

GM SMALL BLOCK V-8

Devi H	Volume	Occilia	Shaft	Screw-in	Provision For	Anti-Cavitation	Associated	Tube Dia.	Pan D	-
Part No.	Increase	Coatings	Support	valve Plug	Bolt-on Screen	Grooves	Screen No.	(Inches)	Min -	
10550	25%	Mag Phosphate					55-S	5/8	7"	7-1/8"
							55-S1	5/8	6-7/8"	
							55-S2	5/8	7-3/4"	
							55-\$3	5/8	7"	7-1/8"
							210S	5/8		9-7/8"
							220\$	5/8	7-1/2"	7-5/8"
10551	25%	Mag Phosphate					155S	3/4		7-3/8"
							211S	3/4	9-7/8"	
							213S	3/4	8-1/8"	8-1/4"
							221\$	3/4	7-3/8"	7-1/2"
							243S	3/4	7-1/2"	7-1/2"
							244S	3/4	7-1/2"	7-5/8"
							245S	3/4	9-7/8"	10"
							251S	3/4		7-5/8"
							258S	3/4	8"	8-1/8"
							259S	3/4	-	
10552	10%	Mag Phosphate	Х	Х	Х		155\$	3/4		7-1/2"
10552C	10%	Mag Phosphate	X	X	X	Х	211\$	3/4	9-7/8"	
105555	25%	Mag Phosphate	X	X	X	^	213\$	3/4		8-3/4"
10555C	25%	Mag Phosphate	X	X	X	Х	2215	3/4	7-5/8"	
103330	2J /0	May i nospitate	X	X	X	X	243\$	3/4		7-5/8"
							2433 244S		7-5/8	
								3/4		
							245S	3/4	10"	10-1/8"
							251S	3/4	7-5/8"	
							258S	3/4		8-3/8"
							259S	3/4		9-3/4"
							12557	3/4	6-3/4"	
							12558	3/4	7-1/4"	
							12559	3/4	8"	8-1/4"*
							12564	3/4	6-7/8"	
							12566	3/4	7-3/8"	7-1/2"**
10553	0%	Mag Phosphate					55-S	5/8	6-3/4"	6-7/8"
							55-S1	5/8	6-5/8"	6-3/4"
							55-S2	5/8	7-1/2"	7-5/8"
							55-\$3	5/8		6-7/8"
							210S	5/8		9-3/8"
							2205	5/8		7-3/8"
10554	0%	Mag Phosphate					155\$	3/4	6-7/8"	
	0 /0	and a noophato					211\$	3/4		9-1/2"
							2135	3/4		7-3/4"
							2133	3/4		7-1/4"
							243\$	3/4 3/4	7"	7-1/4
							2435 244S	3/4 3/4		7-1/4"
							2445 245S			9-1/2"
							2455 251S	3/4	9-3/8 6-7/8"	
								3/4		
							258S	3/4		7-5/8"
10550 35000	050/		N/	¥	NI / A		259S	3/4	8-7/8"	
10550-750SS	25%	Hardcoat Anodize	X	X	N/A		N/A	N/A	N/A	N/A
10055-750SS	0%	Hardcoat Anodize	X	X	N/A		N/A	N/A	N/A	N/A
10550-825SS	25%	Hardcoat Anodize	Х	Х	N/A		N/A	N/A	N/A	N/A
10055-825SS	0%	Hardcoat Anodize	Х	Х	N/A		N/A	N/A	N/A	N/A
10550-700CT	25%	Hardcoat Anodize	Х	Х	N/A		N/A	N/A	N/A	N/A
					N/A		NI/A	NI/A		INI/A
10055-700CT	0%	Hardcoat Anodize	Х	Х			N/A	N/A	N/A	N/A
10990		Mag Phosphate	Х	Х		Х	241S	3/4	8-3/8"	8-1/2"
	0%		X X X	X X X		Х	241S 305S		8-3/8"	
10990	0% 25%	Mag Phosphate	Х	Х	N/A	Х	241S	3/4	8-3/8" 7-1/2"	8-1/2"

*Bolt-On Stock Type Pan **Bolt-On Circle Track Pan

NOTE: SCREEN TO PAN CLEARANCE DISTANCE CAN VARY DUE TO PAN GASKET THICKNESS



PERFORMANCE OIL PUMPS

NOTE: MINIMUM 3/8" TO 1/2" SCREEN TO PAN CLEARANCE

PONTIAC V-8

Part No.	Volume Increase	Coatings	Shaft Support	Screw-in Valve Plug	Bolt-on Screen	Anti-Cavitation Grooves	Associated Screen Number	Screen Inlet Dia. (Inches)
10540	0%	Mag Phosphate		Х			54-DS	3/4
10541	0%	Mag Phosphate		Х			54-DS	3/4

Do not use the 54-DS screen with an OEM replacement pump.

GM GEN III & IV 4.8L, 5.3L • LS1 & LS6 5.7L • LS2 6.0L • LS3 6.2L

Part No.	Volume Increase	Coatings	Shaft Support	Screw-in Valve Plug	Bolt-on Screen	Anti-Cavitation Grooves	Associated Screen Number	Screen Inlet Dia. (Inches)
10295**	0%	Hardcoat Anodize		Х	Х		303S	7/8
							304S	7/8
10296**	18%	Hardcoat Anodize		Х	Х		303S	7/8
							304S	7/8

** 303S - Corvette applications, 304S Camaro applications only.

GM GEN IV LS4 5.3L • L92 VORTEC 6.2L V-8

Part No.	Volume Increase	Coatings	Shaft Support	Screw-in Valve Plug	Bolt-on Screen	Anti-Cavitation Grooves	Associated Screen Number	Screen Inlet Dia. (Inches)
10355	0%*	Hardcoat Anodize		Х	Х		324S	7/8

*33% more volume than the 10295

GM BIG BLOCK V-8

	Volume		Shaft	Screw-in Valve	Provision For	Anti- Cavitation	Associated	Inlet Dia.	Pan D	-
Part No.	Increase	Coatings	Support	Plug	Bolt-on Screen	Grooves	Screen No.	(Inches)	Min -	Max
10770	25%	Mag Phosphate					77-S1	3/4	7-1/2"	7-5/8"
10774	0%	Mag Phosphate					241S	3/4	8-7/8"	9"
10775	0%	Mag Phosphate	Х	Х			305S	3/4	7-7/8"	8"
10778	25%	Mag Phosphate	Х	Х			353S	3/4	9"	9-1/8"
10778C	25%	Mag Phosphate	Х	Х		Х	307S	3/4	9-5/8"	9-3/4"
10070-800SS	25%	Hardcoat Anodize	Х	Х			N/A	N/A	N/A	N/A
10077-800SS	0%	Hardcoat Anodize	Х	Х			N/A	N/A	N/A	N/A
10070-900SS	25%	Hardcoat Anodize	Х	Х			N/A	N/A	N/A	N/A
10077-900SS	0%	Hardcoat Anodize	Х	Х			N/A	N/A	N/A	N/A
10070-1000SS	25%	Hardcoat Anodize	Х	Х			N/A	N/A	N/A	N/A

FORD 260 • 289 • 302

Part No.	Volume Increase	Coatings	CNC Machined	Screw-in Valve Plug	Extended Drive Shaft	Doweled Cover	Associated Screen Number	Screen Inlet Dia. (Inches)
10687	0%	Mag Phosphate	Х	Х	Х	Х	68-S	5/8
10688	25%	Mag Phosphate	Х	Х	Х	Х	68-S3	5/8
							68-S4	5/8
							68-\$5	5/8

FORD 351W

Part No.	Volume Increase	Coatings	CNC Machined	Screw-in Valve Plug	Extended Drive Shaft	Doweled Cover	Associated Screen Number	Screen Inlet Dia. (Inches)
10832	0%	Mag Phosphate	Х	Х	Х	Х	83-5	5/8
10833	25%	Mag Phosphate	Х	Х	Х	Х	83-\$1	5/8

NOTE: SCREEN TO PAN CLEARANCE DISTANCE CAN VARY DUE TO PAN GASKET THICKNESS

PERFORMANCE OIL PUMPS

NOTE: MINIMUM 3/8" TO 1/2" SCREEN TO PAN CLEARANCE



FORD 4.6 & 5.4L Modular

Part No.	Volume Increase	Coatings	Screw-in Valve Plug	Provision For Bolt-on Screen	Associated Screen Number	Screen Inlet Dia. (Inches)
10176	0%	Hardcoat Anodized	Х	Х		13/16
10227	8%**	Hardcoat Anodized	Х	Х	335S	15/16
10340	0%	Hardcoat Anodized	Х	Х		15/16

** 8% Additional volume when used in the 4.6-X SOHC application / standard volume when used in the 4.6 DOHC Cobra application.

CHRYSLER 2.0L

Part No.	Volume Increase	Coatings	Screw-in Valve Plug	Provision For Bolt-on Screen	Associated Screen Number	Screen Inlet Dia. (Inches)
10190	20%	Mag Phosphate	Х	Х	262S	3/4
					330S	3/4
					331\$	3/4

CHRYSLER 5.7L & 6.1L HEMI

Part No.	Volume Increase	Coatings	Screw-in Valve Plug	Provision For Bolt-on Screen	Associated Screen Number	Screen Inlet Dia. (Inches)
10342	0%	Hardcoat Anodize	Х	Х	331\$	1.0

PERFORMANCE OIL PUMP GUIDE

GM S.B. PERFORMANCE OIL PUMP LINE

10550

High volume performance upgrade for M-55HV. 25% increase in volume over stock oil pump. The 10550 housing and cover are CNC machined and phosphate coated. The lower pressure spring is included to reduce pressure if desired. Includes intermediate shaft with steel quide. Built with billet steel gears. Uses 5/8" press in screen.

10551

High volume performance upgrade for M155HV. 25% increase in volume over stock oil pump. The 10551 housing and cover are CNC machined and phosphate coated. The lower pressure spring is included to reduce pressure if desired. Includes intermediate shaft with steel guide. Built with billet steel gears. Uses 3/4" press in screen.

10552

High volume performance oil pump. 10% increase in volume over stock oil pump. The 10552 is manufactured with the drive and idler shafts extended to allow for additional support in the cover eliminating dynamic shaft deflection at increased RPM levels. The cover is doweled to the pump housing to assure alignment of the shaft bores. Screw in plug retains relief valve spring instead of pin. Relief hole in cover uses screw in plug instead of pressed cup plug. All bolts are self locking socket heads, with the wrench supplied. The housing and cover are CNC machined and phosphate coated. Includes 12550 chrome moly intermediate shaft with steel guide. Built with billet steel gears. Uses both 3/4" bolt on or press in screen. The lower pressure spring is included to reduce pressure if desired. Melling Patent No. 5,810,571

10552C (Anti-Cavitation)

High volume performance oil pump. 10% increase in volume over stock oil pump. Same as the 10552 with the addition of grooves machined in the body and cover. The grooves reduce cavitation effects in high RPM applications. Includes 12550 chrome moly intermediate shaft with steel guide. Built with billet steel gears. Uses both 3/4" bolt on or press in screen. Using this oil pump will reduce pressure at idle. The 10552C uses the high pressure spring only. Racing Applications Only.







10553

High pressure performance upgrade for M-55 & M-55A. Standard volume oil pump. The 10553 housing and cover are CNC machined and phosphate coated. Manufactured with pink spring installed for higher pressure (M-55A). To change pump to lower pressure (M-55) install the supplied yellow spring. Includes intermediate shaft with steel guide. Built with billet steel gears. The 10553 uses a 5/8" press in screen.

10554

Performance upgrade for M155. Standard volume oil pump. The 10554 housing and cover are CNC machined and manganese phosphate coated. Manufactured with pink spring installed for higher pressure. To change pump to lower pressure install the supplied yellow spring. Includes intermediate shaft with steel guide. Built with billet steel gears. The 10554 uses a 3/4" press in screen.

10555

High Volume performance upgrade for the 10550 oil pump. 25% increase in volume over stock oil pump. The 10555 is manufactured with the drive and idler shafts extended to allow for additional support in the cover eliminating dynamic shaft deflection at increased RPM levels. The cover is doweled to the pump housing to assure alignment of the shaft bores. Screw in plug retains relief valve spring instead of pin. Relief hole in cover uses screw in plug instead of pressed cup plug. All bolts are self locking socket heads, with the wrench supplied. The housing and cover are CNC machined and manganese phosphate coated. Includes 12550 chrome moly intermediate shaft with steel guide. Built with billet steel gears. Uses both 3/4" bolt on or press in screen. The lower pressure spring is included to reduce pressure if desired.

Melling Patent No. 5,810,571

10555C (Anti-Cavitation)

High volume performance upgrade for the 10550 oil pump. 25% increase in volume over stock oil pump. Same as the 10555 with the addition of grooves machined in the body and cover. The grooves reduce cavitation effects in high RPM applications. Includes 12550 chrome moly intermediate shaft with steel guide. Built with billet steel gears. Uses both 3/4" bolt on or press in screen. Using this oil pump will reduce pressure at idle. The 10555C uses the high pressure spring only. **Racing Applications Only.**

Melling Patent No. 5,810,571

10990

High volume performance upgrade for the M-99HV-S. Increase in volume of 25% over stock oil pump. The 10990 is a Big Block style oil pump made to fit the Small Block applications. The drive and idler shafts have been extended to allow for additional support in the cover. Additional support eliminates dynamic shaft deflection at increased RPM levels. The cover is doweled to the pump housing to assure alignment of the shaft bores. The relief valve has a screw-in plug instead of a pin. The housing and cover are CNC machined and phosphate coated. An additional spring, the original stock replacement is supplied which will reduce bypass pressure if needed. Includes 12550 chrome moly intermediate shaft with steel guide. Built with billet steel gears. Uses 3/4" press in screen.

Melling Patent No. 5,810,571

10990C (Anti-Cavitation)

High volume performance upgrade for the M-99HV-S. Increase in volume of 25% over stock oil pump. The same as the 10990 except with the addition of grooves machined in the housing and cover. The grooves reduce cavitation effects in high RPM applications. Using this oil pump will reduce pressure at idle. Includes 12550 chrome moly intermediate shaft with steel guide. Built with billet steel gears. Uses 3/4" press in screen. **Racing applications only**.

Melling Patent No. 5,810,571





GM S.B. ALUMINUM BILLET PERFORMANCE OIL PUMP LINE FOR STREET & STRIP APPLICATIONS

10055-750SS

Aluminum billet standard volume oil pump for street & strip applications with 7-1/2" deep pans. Pump features a lightweight billet 6061-T6 aluminum housing & cover with a protective anodized hardcoat & standard volume billet steel gears. The drive shaft is manufactured from chrome-moly steel. Pump shafts have been extended into the cover for support. The pickup screen has been integrated into the pump body and features a stainless steel wire mesh. This pump has multiple pressure settings and is CNC manufactured to exacting tolerances and surface finishes. The supercharged inlet allows for improved performance at high RPM's. Includes 12550 chrome moly intermediate shaft, stud kit and +10# and -10# relief springs.

Melling Patent No. 5,810,571

10050-750SS

Aluminum billet high volume oil pump for street & strip applications with 7-1/2" deep pans. 25% increase in volume over stock oil pump. Pump features a lightweight billet 6061-T6 aluminum housing & cover with a protective anodized hardcoat. & high volume billet steel gears. The drive shaft is manufactured from chrome-moly steel. Pump shafts have been extended into the cover for support. The pickup screen has been integrated into the pump body and features a stainless steel wire mesh. This pump has multiple pressure settings and is CNC manufactured to exacting tolerances and surface finishes. The supercharged inlet allows for improved performance at high RPM's. Includes 12550 chrome moly intermediate shaft, stud kit and +10# and -10# relief springs.

Melling Patent No. 5,810,571







Aluminum billet standard volume oil pump for street & strip applications with 8-1/4" deep pans. Pump features a lightweight billet 6061-T6 aluminum housing & cover with a protective anodized hardcoat. & standard volume billet steel gears. The drive shaft is manufactured from chrome-moly steel. Pump shafts have been extended into the cover for support. The pickup screen has been integrated into the pump body and features a stainless steel wire mesh. This pump has multiple pressure settings and is CNC manufactured to exacting tolerances and surface finishes. The supercharged inlet allows for improved performance at high RPM's. Includes 12550 chrome moly intermediate shaft, stud kit and +10# and -10# relief springs.

Melling Patent No. 5,810,571





Aluminum billet high volume oil pump for street & strip applications with 8-1/4" deep pans. 25% increase in volume over stock oil pump. Pump features a lightweight billet 6061-T6 aluminum housing & cover with a protective anodized hardcoat & high volume billet steel gears. The drive shaft is manufactured from chrome-moly steel. Pump shafts have been extended into the cover for support. The pickup screen has been integrated into the pump body and features a stainless steel wire mesh. This pump has multiple pressure settings and is CNC manufactured to exacting tolerances and surface finishes. The supercharged inlet allows for improved performance at high RPM's. Includes 12550 chrome moly intermediate shaft, stud kit and +10# and -10# relief springs.

Melling Patent No. 5,810,571





GM S.B. ALUMINUM BILLET PERFORMANCE OIL PUMP LINE FOR CIRCLE TRACK APPLICATIONS

10055-700CT

Aluminum billet standard volume oil pump for circle track racing applications with 7" deep pans. Pump features a lightweight billet 6061-T6 aluminum housing & cover with a protective anodized hardcoat & standardvolume billet steel gears. The drive shaft is manufactured from chrome -moly steel. Pump shafts have been extended into the cover for support. The pickup screen has been integrated into the pump body, offset for circle track racing and features a stainless steel wire mesh. This pump has multiple pressure settings and is CNC manufactured to exacting tolerances and surface finishes. The supercharged inlet allows for improved performance at high RPM's. Includes 12550 chrome moly intermediate shaft, stud kit and +10# and -10# relief springs.

Melling Patent No. 5,810,571



10050-700CT

Aluminum billet high volume oil pump for circle track racing applications with 7" deep pans. 25% increase in volume over stock oil pump. Pump features a lightweight billet 6061-T6 aluminum housing & cover with a protective anodized hardcoat & high volume billet steel gears The drive shaft is manufactured from chrome-moly steel. Pump shafts have been extended into the cover for support. The pickup screen has been integrated into the pump body, offset for circle track racing and features a stainless steel wire mesh. This pump has multiple pressure settings and is CNC manufactured to exacting tolerances and surface finishes. The supercharged inlet allows for improved performance at high RPM's. Includes 12550 chrome moly intermediate shaft, stud kit and +10# and -10# relief springs.

Melling Patent No. 5,810,571



OLDSMOBILE PERFORMANCE OIL PUMP LINE

M-22FHV

High volume upgrade of the M-22F oil pump. 20% increase in volume over stock oil pump. The M-22FHV is manufactured with both a 3/4" bolt on type flange and a 5/8" chamfered hole allowing for the use of both bolt on or press in type screen. For use with Oldsmobile 260, 307, 350, 400, 403, 425 & 455 engines.



PONTIAC V8 PERFORMANCE OIL PUMP LINE

10540

Stock pressure performance upgrade for the M-54D-S. The housing is CNC machined and phosphate coated. Built with billet steel gears. Includes 3/4" diameter oil pickup screen.

10541

High pressure performance upgrade for the M-54F. 30% increase in pressure over the 10540 oil pump. The housing is CNC machined and phosphate coated. Built with billet steel gears. Includes 3/4" diameter oil pickup screen.

GM GEN III & IV 4.8L-5.3L-5.7L-6.0L • LS3 6.2L PERFORMANCE OIL PUMP LINE

10295

High pressure performance upgrade for M295. Stock volume, 10% increase in pressure over M295 oil pump. The cast aluminum housing is CNC machined and hardcoat anodized. The cast iron cover is CNC machined and phosphate coated. The relief valve features a screw in valve plug with the optional lower stock pressure spring supplied. Uses stock bolt on screen.



High volume performance upgrade for M295. 18% increase in volume over M295 and 10295 oil pump. The cast aluminum housing is CNC machined and hardcoat anodized. The cast iron cover is CNC machined and phosphate coated. The relief valve features a screw in valve plug with the optional lower stock spring supplied. Uses stock bolt on screen.

GM GEN GEN IV, LS4 5.3L & L92 VORTEC 6.2L PERFORMANCE OIL PUMP LINE

10355

Stock volume performance upgrade for M355. Standard volume for LS4 5.3L & L92 6.2L engines. 33% increase in volume over the 10295. The 10355 features a hard coat anodized body with a cast iron phosphate coated cover. The relief valve features a screw in valve plug with the optional lower stock pressure spring supplied. Uses stock bolt on screen.

GM B.B. PERFORMANCE OIL PUMP LINE

10770

High volume performance upgrade for M-77HV. 25% increase in volume over stock pump. The housing and cover are CNC machined and phosphate coated. The lower pressure spring is included to reduce pressure if desired. Built with billet steel gears. Includes intermediate shaft with steel guide. Uses 3/4" press in screen.

10774

Standard volume performance upgrade for M-77. The housing and cover are CNC machined and phosphate coated. The lower pressure spring is included to reduce pressure if desired. Built with billet steel gears. Includes intermediate shaft with steel guide. Uses 3/4" press in screen.









MMMMMM

10778

High volume performance upgrade for the 10770. Increase in volume of 25% over stock oil pump. The drive shaft has been manufactured from chrome-moly steel. The drive and idler shafts have been extended to allow for additional support in the cover. Additional support eliminates dynamic shaft deflection at increased RPM levels. The cover is doweled to the pump housing to assure alignment of the shaft bores. The relief valve has a screw-in plug instead of a pin. The housing and cover are CNC machined and phosphate coated. An additional spring, the original stock replacement is supplied which will reduce bypass pressure if needed. Includes 12770 chrome moly intermediate shaft with steel guide. Built with billet steel gears. Uses 3/4" press in screen.

Melling Patent No. 5,810,571

10778C (Anti-Cavitation)

High volume performance upgrade for the 10770. Increase in volume of 25% over stock oil pump. The same as the 10778 except with the addition of grooves machined in the housing and cover. The grooves reduce cavitation effects in high RPM applications. Using this oil pump will reduce pressure at idle. Includes 12770 chrome moly intermediate shaft with steel guide. Built with billet steel gears. Uses 3/4" press in screen. **Racing applications only.**

Melling Patent No. 5,810,571



GM B.B. ALUMINUM BILLET PERFORMANCE OIL PUMP LINE FOR STREET & STRIP APPLICATIONS

10077-800SS

Aluminum billet standard volume oil pump for street & strip applications with 8" deep pans. Pump features a lightweight billet 6061-T6 aluminum housing & cover with a protective anodized hardcoat & billet steel gears. The chrome-moly drive shaft has been extended. Pump shafts have been extended into the cover for support. The pickup screen has been integrated into the pump body and features a stainless steel wire mesh. This pump has multiple pressure settings and is CNC manufactured to exacting tolerances and surface finishes. The supercharged inlet allows for improved performance at high RPM's. Includes 12770 chrome moly intermediate shaft and stud kit and +10# and - 10# relief springs.

Melling Patent No. 5,810,571



10070-800SS

Aluminum billet high volume oil pump for street & strip applications with 8" deep pans. 25% increase in volume over stock oil pump. Pump features a lightweight billet 6061-T6 aluminum housing & cover with a protective anodized hardcoat & high volume billet steel gears. The chrome-moly drive shaft has been extended. Pump shafts have been extended into the cover for support. The pickup screen has been integrated into the pump body and features a stainless steel wire mesh. This pump has multiple pressure settings and is CNC manufactured to exacting tolerances and surface finishes. The supercharged inlet allows for improved performance at high RPM's. Includes 12770 chrome moly intermediate shaft and stud kit and +10# and - 10# relief springs.

Melling Patent No. 5,810,571

GM B.B. ALUMINUM BILLET PERFORMANCE OIL PUMP LINE FOR STREET & STRIP APPLICATIONS

10077-900SS

Aluminum billet standard volume oil pump for street & strip applications with 9" deep pans. Pump features a lightweight billet 6061-T6 aluminum housing & cover with a protective anodized hardcoat & billetsteel gears. The chrome-moly drive shaft has been extended. Pump shafts have been extended into the cover for support. The pickup screen has been integrated into the pump body and features a stainless steel wire mesh. This pump has multiple pressure settings and is CNC manufactured to exacting tolerances and surface finishes. The supercharged inlet allows for improved performance at high RPM's. Includes 12770 chrome moly intermediate shaft, stud kit and +10# and -10# relief springs.

Melling Patent No. 5,810,571



10070-900SS

Aluminum billet high volume oil pump for street & strip applications with 9" deep pans. 25% increase in volume over stock oil pump. Pump features a lightweight billet 6061-T6 aluminum housing & cover with a protective anodized hardcoat & high volume billet steel gears. The chrome-moly drive shaft has been extended. Pump shafts have been extended into the cover for support. The pickup screen has been integrated into the pump body and features a stainless steel wire mesh. This pump has multiple pressure settings and is CNC manufactured to exacting tolerances and surface finishes. The supercharged inlet allows for improved performance at high RPM's. Includes 12770 chrome moly intermediate shaft, stud kit and +10# and - 10# relief springs.

Melling Patent No. 5,810,571



10070-1000SS

Aluminum billet high volume oil pump for street & strip applications with 10" deep pans. 25% increase in volume over stock oil pump. Pump features a lightweight billet 6061-T6 aluminum housing & cover with a protective anodized hardcoat & high volume billet steel gears. The chrome-moly drive shaft has been extended. Pump shafts have been extended into the cover for support. The pickup screen has been integrated into the pump body and features a stainless steel wire mesh. This pump has multiple pressure settings and is CNC manufactured to exacting tolerances and surface finishes. The supercharged inlet allows for improved performance at high RPM's. Includes 12770 chrome moly intermediate shaft, stud kit and +10# and - 10# relief springs. Ideal for Marine applications.

Melling Patent No. 5,810,571



CHRYSLER PERFORMANCE OIL PUMP LINE

M-63HV

High volume upgrade of the M-63. 25% increased volume over stock pump. Larger volume body and gerotor set provide higher volume than the original stock oil pump.



CHRYSLER PERFORMANCE OIL PUMP LINE



M-63HP

High pressure, standard volume upgrade of the M-63. Increased oil pressure. Provides higher oil pressure than the stock oil pump.



M-72HV

High volume upgrade of the M-72. 25% increased volume over stock pump. Larger volume body and gerotor set provide higher volume than the original stock oil pump.

CHRYSLER 2.0L PERFORMANCE OIL PUMP



10190

High volume performance upgrade of the M190. 20% increased volume over stock pump. The pump is supplied with a gerotor designed to provide 20% increased oil volume than the original Chrysler design. The pump design has been improved by separating the inlet oil from the by-passed oil. In addition pump materials have been changed to improve performance and durability.

CHRYSLER 5.7L & 6.1L PERFORMANCE OIL PUMPS



Standard volume performance upgrade of the M342. The 10342 features a hardcoat anodized body with a cast iron phosphate coated cover for improved pump performance and durability. Adjustable by-pass pressure using optional springs. The cup plugs have been replaced with threaded fittings. Uses 1-1/8" bolt on screen.

FORD 260 • 289 • 302 PERFORMANCE OIL PUMP LINE



Standard volume performance upgrade for M-68. Gerotor set assembled to an extended drive shaft that allows for additional support in the cover. Supporting the drive shaft in both the housing and cover eliminates dynamic shaft deflection at increased RPM levels. The cover is doweled to the pump housing to assure alignment of shaft bores. The housing and cover are CNC machined and phosphate coated for wear and rust prevention. The relief valve has a pressure adjustable screw-in plug instead of a cup plug. Works with the original bolt-on pickup screen assemblies. Uses 5/8" bolt on screen.

Melling Patent No. 5,810,571

10688

High volume performance upgrade for M-68-HV. The same features as the 10687 but the gerotor displaces 25% more volume of oil than the 10687. Uses 5/8" bolt on screen.

Melling Patent No. 5,810,571



FORD 351W PERFORMANCE OIL PUMP LINE

10832

Standard volume performance upgrade for M-83. Gerotor set assembled to an extended drive shaft that allows for additional support in the cover. Supporting the drive shaft in both the housing and cover eliminates dynamic shaft deflection at increased RPM levels. The cover is doweled to the pump housing to assure alignment of shaft bores. The housing and cover are CNC machined and phosphate coated for wear and rust prevention. The relief valve has a pressure adjustable screw-in plug instead of a cup plug.Works with the original 5/8" bolt-on pickup screen assemblies.

Melling Patent No. 5,810,571

10833

High volume performance upgrade for M-83. The same features as the 10832 but the gerotor displaces 25% more volume of oil than the 10832. Uses 5/8" bolt on screen.

Melling Patent No. 5,810,571

FORD 351C • 351M • 400M ENGINES PERFORMANCE OIL PUMP LINE

M-84AHV

High volume upgrade for M-84A. 25% increased volume over stock pump. Larger volume body and gerotor provide higher volume than the original stock oil pump. Uses 5/8" threaded screen.

FORD FE ENGINES PERFORMANCE OIL PUMP LINE

M-57HV

High Volume upgrade for M-57. 25% increased volume over stock pump. Larger volume body and gerotor provide higher volume than the original stock oil pump. Uses 5/8" bolt on screen.

M-57HP

High pressure upgrade for M-57. Provides higher pressure than the original stock oil pump. Uses 5/8" bolt on screen. NOTE: for use in blocks with by-pass spring in the block.

FORD 429•460 ENGINES PERFORMANCE OIL PUMP LINE

M-84BHV-S

High volume upgrade for M-84B. 25% increased volume over stock pump. Larger volume body and gerotor provide higher volume than the original stock oil pump. Includes screen for use in 8-1/4" front sump pans.











M-84DHV

High volume upgrade for M-84D. 25% increased volume over stock pump. For rear sump applications only.



M-84EHV-S

High volume oil pump. For use in 8-5/8" front sump pans. Oil pickup screen is included.



FORD 428CJ ENGINES PERFORMANCE OIL PUMP LINE

M-84EHV-S & M-84BHV-S

High volume oil pump. The M-84EHV-S for use in 8-5/8" front sump pans, and the M-84BHV-S for use in 8-1/4" front sump pans. Oil pickup screen is included.



10176

Standard volume performance upgrade for the M176. For use with the 4.6-X SOHC Mustang GT. Supplied with chrome-moly billet steel rotors. The 10176 also features an anodized hard coated body and a phosphate coated cover. Uses 13/16" diameter pickup screen.

FORD 4.6L & 5.4L MODULAR ENGINES



10227

Standard volume performance upgrade for the M227. For use with the 4.6L DOHC Cobra Mustang. Also may be used in the 4.6L, vin X SOHC Mustang as a 8% High volume oil pump. Supplied with chrome-moly billet steel rotors. The 10227 also features an anodized hard coated body and a phosphate coated cover. Uses 15/16" diameter 335S oil pickup screen.



High pressure, standard volume performance upgrade for the M340. The 10340 features an anodized hard coated body and a phosphate coated cover. The relief valve has a pressure adjustable screw-in plug instead of a cup plug. Uses 15/16" diameter pickup screen.



PERFORMANCE - AMERICAN MOTORS & JEEP

Line No.	Part Title	Part No.			Description				
1	4.8 (290) ENG - 1968-69 - V8 - 3		BASSADOF			MBLER. R	EBEL)		
	Torque Camshaft						-		
			Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation		
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Copulation		
	HYD. IMPROVES LOW-MID.	MTA-1	204 214	280 289	.449 .473	105 115	110		
	PERF. CHECK FOR COIL BIND.		201 211	200 200		100 110	110		
	USE [VS-280] SPRING W/								
	INSTALLED HGT. OF 1.82.								
	CLASS I. NOT CALIFORNIA								
	COMPLIANT. NOT COMPUTER								
	COMPATIBLE. POWER RANGE								
	1200-4700.								
	Mechanical Flat Tappet Lifters	299984	USE WITH	CAST IRON	CAMSHAF	Г			
	Hydraulic Flat Tappet Lifters	290114							
	Valve Locks	473004	2 GROOV	ES					
	Valve Spring with Hydraulic	VS-280		FA-1 CAMSH			OF 1.82.		
	Lifters								
		466434							
	Valve Spring Retainers	475144		MOLY - USE	WITH [4664	34] SPRING	as		
2	5.0 (304) OHV ENG - 1970-79 -	V8 - 3.750 Bore							
	Torque Camshaft		Degrees	Degrees	Inches	Degrees	Degrees		
			.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation		
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.			
	IMPROVES LOW-MID. PERF.	MTA-1	204 214	280 289	.449 .473	105 115	110		
	CHECK FOR COIL BIND. USE								
	[VS-280] SPRING W/INSTALLED								
	HGT. OF 1.82. CLASS I. NOT								
	CALIFORNIA COMPLIANT. NOT								
	COMPUTER COMPATIBLE.								
	POWER RANGE 1200-4700.								
	Torque Cam Lifter Kit	CL-MTA-1		CLASS I HY			~-		
				BLE. IMPRO					
				NOT CALIFC CAM, 16-[JB					
				ECK FOR CO					
				D HGT. OF 1		5E [V3-200]			
	Mechanical Flat Tappet Lifters	299984		I CAST IRON		Г			
	Hydraulic Flat Tappet Lifters	290114	002000						
	Valve Locks	473004	2 GROOV	ES					
	Valve Spring with Hydraulic	VS-280		TA-1 CAMSH	AFT INSTAL	LED HGT.	OF 1.82.		
	Lifters		(MACHINI	NG MAY BE	REQUIRED)				
		466434	USE W/ 47	75144 RETAI	NERS				
	Valve Spring Retainers	475144	CHROME	MOLY - USE	WITH [4664	34] SPRINC	S		
	Chrome Moly Push Rods	500314	HEAT TREATED FOR GUIDE PLATES. 5/16" STANDARI						
			LENGTH. 5/16" DIA. STANDARD LENGTH- HEAT						
			TREATED FOR GUIDE PLATES. MAX. SPRING						
			PRESSURE 350 LBS. HEAT TREATED FOR GUIDE PLATES. 5/16" STANDARD						
		501004							
				ONE PIECE			DIA.		
				D LENGTH -					
				ATES (ONE F		RUCTION) MAX.		
			SPRING P	RESSURE 5	00 LBS.				

PERFORMANCE - AMERICAN MOTORS & JEEP (Continued)

Line									
No.	Part Title	Part No.			Description				
3	5.6 (343) ENG - 1967-69 - V8 - 4	1.080 Bore							
	Torque Camshaft		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation		
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.			
	IMPROVES LOW-MID. PERF.	MTA-1	204 214	280 289	.449 .473	105 115	110		
	CHECK FOR COIL BIND. USE								
	[VS-280] SPRING W/INSTALLED								
	HGT. OF 1.82. CLASS I. NOT								
	CALIFORNIA COMPLIANT. NOT								
	COMPUTER COMPATIBLE.								
	POWER RANGE 1200-4700.								
	Mechanical Flat Tappet Lifters	299984	USE WITH	I CAST IRON	I CAMSHAF	Т			
	Hydraulic Flat Tappet Lifters	290114							
	Valve Locks	473004	2 GROOVE						
	Valve Spring with Hydraulic	VS-280	USE W/MTA-1 CAMSHAFT INSTALLED HGT. OF 1.						
	Lifters		(MACHINING MAY BE REQUIRED)						
		466434	USE W/ 475144 RETAINERS CHROME MOLY - USE WITH [466434] SPRINGS						
	Valve Spring Retainers	475144							
4	5.9 (360) OHV ENG - 1970-78 -	V8 - 4.080 Bore	1	1	1	1			
	Torque Camshaft		Degrees	Degrees	Inches	Degrees	Degrees		
			.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation		
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.			
	IMPROVES LOW-MID. PERF.	MTA-1	204 214	280 289	.449 .473	105 115	110		
	CHECK FOR COIL BIND. USE								
	[VS-280] SPRING W/INSTALLED								
	HGT. OF 1.82. CLASS I. NOT								
	CALIFORNIA COMPLIANT. NOT								
	COMPUTER COMPATIBLE. POWER RANGE 1200-4700.								
	Torque Cam Lifter Kit	CL-MTA-1	1071-1077	CLASS I HY					
	Torque Cam Enter Kit			BLE. IMPRO			SE		
				CAM, 16-[JB					
				· · ·	-		SPRING W/		
				D HGT. OF 1					
	Mechanical Flat Tappet Lifters	299984	USE WITH	CAST IRON	I CAMSHAF	Т			
	Hydraulic Flat Tappet Lifters	290114							
	Valve Locks	473004	2 GROOVE						
	Valve Spring with Hydraulic	VS-280		I [MTA-1] CA			OF 1.82		
	Lifters		· ·	NG MAY BE	,				
		466434		'5144 RETAI					
	Valve Spring Retainers	475144		MOLY - USE	-	-			
	Chrome Moly Push Rods	500314	HEAT TREATED FOR GUIDE PLATES. 5/16" STANDARD LENGTH 5/16" DIA. STANDARD LENGTH- HEAT						
			TREATED FOR GUIDE PLATES. MAX. SPRING						
		501004	PRESSURE 350 LBS. HEAT TREATED FOR GUIDE PLATES. ONE PIECE						
		501004							
				ICTION. 5/16 D LENGTH -			5/10 DIA.		
				ATES (ONE F) MAX		
				RESSURE 5					
				HESSURE S					

PERFORMANCE - AMERICAN MOTORS & JEEP (Continued)

•	Part Title	Part No.			Description			
	6.4 (390) ENG - 1968-70 - V8 - 4							
	Torque Camshaft		Degrees	Degrees	Inches	Degrees	Degrees	
			.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation	
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.		
	IMPROVES LOW-MID. PERF.	MTA-1					110	
	CHECK FOR COIL BIND. USE							
	[VS-280] SPRING W/INSTALLED							
	HGT. OF 1.82. CLASS I. NOT							
	CALIFORNIA COMPLIANT. NOT							
	COMPUTER COMPATIBLE.							
	POWER RANGE 1200-4700.							
Ī	Mechanical Flat Tappet Lifters	299984	USE WITH	CAST IRON	CAMSHAF	Г	•	
Ī	Hydraulic Flat Tappet Lifters	290114						
	Valve Locks	473004	2 GROOVE	ES				
	Valve Spring with Hydraulic	VS-280	USE W/MT	A-1 CAMSH	AFT INSTAL	LED HGT. O	DF 1.82	
	Lifters		(MACHINII	NG MAY BE	REQUIRED)			
		466434	204 214 280 289 .449 .473 105 115 110 USE WITH CAST IRON CAMSHAFT					
	Valve Spring Retainers	475144	CHROME	MOLY - USE	WITH [4664	34] SPRING	iS	
	Chrome Moly Push Rods	500314	1970-1970 HEAT TREATED FOR GUID				LATES. 5/16"	
		501004	(MACHINING MAY BE REQUIRED) USE W/ 475144 RETAINERS CHROME MOLY - USE WITH [466434] SPRINGS 1970-1970 HEAT TREATED FOR GUIDE PLATES. 5/16" STANDARD LENGTH 5/16" DIA. STANDARD LENGTH- HEAT TREATED FOR GUIDE PLATES. MAX. SPRING PRESSURE 350 LBS. 1970-1970 HEAT TREATED FOR GUIDE PLATES. 5/16". ONE PIECE CONSTRUCTION. STANDARD LENGTH 5/10 DIA. STANDARD LENGTH - HEAT TREATED FOR GUIDEPLATES (ONE PIECE CONSTRUCTION) MAX. SPRING PRESSURE 500 LBS. Degrees Degrees					
			DIA. STANDARD LENGTH - HEAT TREATED FOR GUIDEPLATES (ONE PIECE CONSTRUCTION) MAX.					
				RESSURE 5	00 LBS.			
	6.6 (401) OHV ENG - 1971-76 -	V8 - 4.170 Bore	1				1	
	Torque Camshaft							
							Separatio	
							110	
	IMPROVES LOW-MID. PERF.	MTA-1	204 214	280 289	.449 .473	105 115	110	
	CHECK FOR COIL BIND. USE [VS-280] SPRING W/INSTALLED							
	HGT. OF 1.82. CLASS I. NOT							
	CALIFORNIA COMPLIANT. NOT							
	COMPUTER COMPATIBLE.							
	POWER RANGE 1200-4700.							
ŀ	Torque Cam Lifter Kit	CL-MTA-1	GUIDEPLATES (ONE PIECE CONSTRUCTION) MA SPRING PRESSURE 500 LBS. Bore Inches Degrees Degrees					
		-						
						• • •		
			CAM, 16-[J	IB-2011] LIF	TERS & 4OZ	MELL LUB	E. CHECK	
			FOR COIL	BIND. USE	[VS-280] SP	RING W/INS	TALLED	
			HGT. OF 1	.82.				
	Mechanical Flat Tappet Lifters	299984	USE WITH	CAST IRON	I CAMSHAF	Г		
ļ	Hydraulic Flat Tappet Lifters	290114						
	Valve Locks	473004	2 GROOVE					
ſ	Valve Spring with Hydraulic	VS-280	USE W/MT	A-1 CAMSH	AFT INSTAL	LED HGT. C	DF 1.82	
	Lifters				,			
		466434	(MACHINING MAY BE REQUIRED) USE W/ 475144 RETAINERS					
			CHROME MOLY - USE WITH [466434] SPRINGS					
	Valve Spring Retainers	475144				34] SPRING	ŝS	

PERFORMANCE - AMERICAN MOTORS & JEEP (Continued)

Line											
No.	Part Title	Part No.	Description								
6	6.6 (401) OHV ENG - 1971-76 -	V8 - 4.170 Bore									
	Chrome Moly Push Rods	500314	HEAT TREATED FOR GUIDE PLATES. 5/16" STANDARD								
			LENGTH 5/16" DIA. STANDARD LENGTH- HEAT								
			TREATED FOR GUIDE PLATES. MAX. SPRING								
			PRESSURE 350 LBS.								
		501004	HEAT TREATED FOR GUIDE PLATES. ONE PIECE								
			CONSTRUCTION. 5/16" STANDARD LENGTH 5/16" DIA.								
			STANDARD LENGTH - HEAT TREATED FOR								
			GUIDEPLATES (ONE PIECE CONSTRUCTION) MAX.								
			SPRING PRESSURE 500 LBS.								

PERFORMANCE - BUICK

Line No.	Part Title	Part No.			Description			
1	3.0-E (181) ENG - 1982-85 - V6	- 3.800 Bore						
	Torque Camshaft		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation	
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.		
	HYD. IMPROVES MID RANGE PERF. CHECK FOR COIL BIND. USE [VS-380] SPRING W/ INSTALLED HGT. OF 1.72. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATABLE. POWER RANGE 1200-4700.	MTB-1	204 214	280 290	.449 .473	112 112	112	
	HYD. IMPROVES LOW-MID PERF. CHECK FOR COIL BIND. USE [VS-380] SPRING W/ INSTALLED HGT. OF 1.72. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 800-4500.	MTB-2	194 204	272 280	.424 .449	109 119	114	
	Mell Lube	M-10012	ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 40Z CONTAINER.					
	Torque Cam Lifter Kit	CL-MTB-1	CLASS I HYD. NOT COMPUTER COMPATIBLE. IMPROVES LOW-MID PERF. USE (VS-380). NOT CALIFORNIA COMPLIANT. KIT INCLUDES 1-[MTB-1] CAM, 12-[JB-969] LIFTERS & 40Z MELL LUBE. CHECK FOR COIL BIND. USE [VS-380] SPRING W/INSTALLED HGT. OF 1.72.					
		CL-MTB-2	CLASS I HYD. NOT COMPUTER COMPATIBLE. IMPROVES LOW-MID PERF. USE (VS-380) NOT CALIFORNIA COMPLIANT. KIT INCLUDES 1-[MTB-2] CAM, 12-[JB-969] LIFTERS & 40Z MELL LUBE. CHECK FOR COIL BIND. USE [VS-380] SPRING W/INSTALLED HGT. OF 1.72.					
	Hydraulic Flat Tappet Lifters	299694	USE FACT	ORY SETTI				
		299704		P UP, SET A BLE VALVE ⁻	AT ZERO LAS TRAIN	SH; MUST B	E USED W/	
	Valve Locks	476104						
	Continued on Next Page							

PERFORMANCE - BUICK (Continued)

Part Title	Part No.			Description				
3.0-E (181) ENG - 1982-85 - V6		1						
Valve Spring with Hydraulic Lifters	VS-380	STOCK REPLACEMENT. USE WITH [MTB-1] & [MTB-2] CAMSHAFTS (MACHINING MAY BE REQUIRED)						
Chrome Moly Push Rods	500574	CAMSHAFTS (MACHINING MAY BE REQUID HEAT TREATED FOR GUIDE PLATES MAX. PRESSURE 350 LBS. 1982-1984 NOTE: DO NOT USE DAMPER IN SEAMLESS SOLID ROLLER CHAIN, CAST IF SPROCKET & MULTIPLE KEYWAY CRANK (S) 00 Bore (231-A ENG 1977-87, 231-G ENG 197 83, 231-9 ENG 1984-85) Degrees Degrees .050" dur ADV. Dur Valve lift Lobe cnt Int. Exh. Int. Exh. Int. Exh. Int. Exh. 104 214 280 290 .449 .473 112 112 114 204 214 280 290 .449 .449 .473 112 112 114 204 2050" dur ADV. Dur Valve lift Lobe cnt Int. Exh. Int. Exh. 1194 204 272 280 .424 .449 109 115 .500" dur ADV. Dur Valve lift Lobe cnt Int. Exh. Int. Exh. Int. Exh.				PRING		
3pc Set	40404	SEAMLES	S SOLID RO	LLER CHAIN	AY BE REQUIRED) PLATES MAX. SPRING TE DAMPER INCLUDES CHAIN, CAST IRON CAM WAY CRANK SPROCKET 1-G ENG 1978, 231-2 es Degrees Degrees lift Lobe cntr. Separation xh. Int. Exh. 473 112 112 112 449 109 119 114 449 109 119 114 es Degrees Degrees lift Lobe cntr. Separation xh. Int. Exh. 542 107 117 112 EAK-IN LUBRICANT. O PREVENT SCORING NE START UP. 40Z ER COMPATIBLE. F. USE (VS-380). NOT			
· · ·		Bore (231-A	ENG 1977					
ENG 1978-79, 231-3 ENG 1978-	87, 231-8 1983,	231-9 ENG	i 1984-85)					
Torque Camshaft		.050" dur	ADV. Dur	Valve lift	Lobe cntr.			
HYD. IMPROVES MID-RANGE PERF. CHECK FOR COIL BIND.	MTB-1					112		
USE [VS-380] SPRING W/ INSTALLED HGT. OF 1.72. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATABLE. POWER RANGE 1200-4700.								
D. IMPROVES LOW-MID RF. CHECK FOR COIL BIND. E [VS-380] SPRING W/ STALLED HGT. OF 1.72. ASS I. NOT CALIFORNIA MPLIANT. NOT COMPUTER MPATIBLE. POWER RANGE 0-4500.	MTB-2	194 204	272 280	.424 .449	109 119	114		
Camshafts Using Hydraulic Flat Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.			
CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1200-4700.	21300					112		
Mell Lube	M-10012	PLATES W	/EAR SURF/ ING DURIN	ACES TO PF	REVENT SC	ORING		
Torque Cam Lifter Kit	CL-MTB-1	IMPROVES CALIFORN CAM, 12-[, FOR COIL HGT. OF 1	CLASS I HYD. NOT COMPUTER COMPATIBLE. IMPROVES MID-RANGE PERF. USE (VS-380). NOT CALIFORNIA COMPLIANT. KIT INCLUDES 1-[MTB-1] CAM, 12-[JB-969] LIFTERS & 4OZ MELL LUBE. CHECK FOR COIL BIND. USE [VS-380] SPRING W/INSTALLED HGT. OF 1.72.					
	CL-MTB-2	CLASS I H IMPROVE CALIFORN CAM, 12-[J	YD. NOT CO S LOW-MID IIA COMPLI/ IB-969] LIFT	PERF. USE ANT. KIT INC ERS & 40Z I	(VS-380). N CLUDES 1-[N MELL LUBE	OT MTB-2] . CHECK		
		HGT. OF 1	.72.			intr. Separation intr. Separation intr. 12 112 12 112 19 114 19 114 intr. Separation intr. Sepa		

Line No.	Part Title	Part No.			Description			
2								
-			•		07,201 0		2012	
	Hydraulic Flat Tappet Lifters	299704	ANTI-PUM	P UP, SET A		SH; MUST B	E USED W/	
	Valve Locks	476104						
	Valve Spring with Hydraulic Lifters	VS-380	30 Bore (231-A ENG 1977-87, 231-G ENG 1978, 231-2 83, 231-9 ENG 1984-85) ANTI-PUMP UP, SET AT ZERO LASH; MUST BE USED WADJUSTABLE VALVE TRAIN STOCK REPLACEMENT. USE WITH [MTB-1] & [MTB-2] CAMSHAFTS (MACHINING MAY BE REQUIRED) MAXIMUM SPRING PRESSURE 350 LBS. HEAT TREATED FOR GUIDE PLATES MAX. SPRING PRESSURE 350 LBS. NOTE: DO NOT USE DAMPER WITH THIS SET INCLUDES SEAMLESS SOLID ROLLER CHAIN, CAST IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET Bore Int. Exh. Int. Exh. Int. Exh. Int. Exh. Int. Exh. Int. Exh. 204 214 280 290 .449 .473 112 112 112 112 112 114 Int. Exh. Int. Exh. Int. 204 214 280 290 .424 .449 109 119 114 Int. Exh. Int. Exh. Int. ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 40Z CONTAINER. CLASS I HYD. NOT COMPUTER COMPATIBLE. IMPROVES MID-RANGE PERF. USE (VS-380). NOT CALIFORNIA COMPLIANT. KIT INCLUDES 1-[MTB-1]					
	Chrome Moly Push Rods	500574	33, 231-9 ENG 1984-85) ANTI-PUMP UP, SET AT ZERO LASH; MUST BE USED W. ADJUSTABLE VALVE TRAIN STOCK REPLACEMENT. USE WITH [MTB-1] & [MTB-2] CAMSHAFTS (MACHINING MAY BE REQUIRED) MAXIMUM SPRING PRESSURE 350 LBS. HEAT TREATED FOR GUIDE PLATES MAX. SPRING PRESSURE 350 LBS. NOTE: DO NOT USE DAMPER WITH THIS SET INCLUDES SEAMLESS SOLID ROLLER CHAIN, CAST IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET OFE Degrees Inches Degrees Degrees Degrees Degrees Degrees Degrees Degrees 0.424 272 280 A49 109 119 114 PROKET SCORING AND GALLING DURING ENGINE START UP. 40Z CONTAINER. CLASS I HYD. NOT COMPUTER COMPATIBLE. IMPROVES MID-RANGE PERF. USE (VS-380). NOT					
	3pc Set	40404	INCLUDES SEAMLESS SOLID ROLLER CHAIN, CAST IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET					
3	4.1-4 (252) OHV ENG - 1980-84	- V6 - 3.97 Bore	•					
	Torque Camshaft			Degrees ADV. Dur			Degrees Separation	
	HYD. IMPROVES MID-RANGE	MTB-1	-				112	
	PERF. CHECK FOR COIL BIND. USE (VS-380) CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATABLE. POWER RANGE 1200-4700.							
	HYD. IMPROVES LOW-MID PERF. CHECK FOR COIL BIND. USE [VS-380] SPRING W/ INSTALLED HGT. OF 1.72. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE	MTB-2	194 204	272 280	.424 .449	109 119	114	
	800-4500.							
	Mell Lube	M-10012	PLATES W AND GALL	/EAR SURF/ ING DURIN	ACES TO PF	REVENT SCO	ORING	
	Torque Cam Lifter Kit	CL-MTB-1	CLASS I HYD. NOT COMPUTER COMPATIBLE. IMPROVES MID-RANGE PERF. USE (VS-380). NOT CALIFORNIA COMPLIANT. KIT INCLUDES 1-[MTB-1] CAM, 12-[JB-969] LIFTERS & 4OZ MELL LUBE. CHECK FOR COIL BIND. USE [VS-380] SPRING W/INSTALLED					
		CL-MTB-2	CLASS I HYD. NOT COMPUTER COMPATIBLE. IMPROVES LOW-MID PERF. USE (VS-380). NOT					
	Hydraulic Flat Tappet Lifters	299694		ORY SETTI	NG			
		299704	ANTI-PUM		AT ZERO LA	SH; MUST B	E USED W/	
	Valve Locks	476104						
	Valve Spring with Hydraulic Lifters	VS-380			NT. USE WIT			
	Continued on Next Page							

Part Title	Part No.	Description
4.1-4 (252) OHV ENG -		
Chrome Moly Push Rods	500574	MAXIMUM SPRING PRESSURE 350 LBS. HEAT TREATED FOR GUIDE PLATES MAX. SPRING PRESSURE 350 LBS.
3pc Set	40404	NOTE: DO NOT USE A DAMPER WITH THIS SET INCLUDES SEAMLESS SOLID ROLLER CHAIN, CAST IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET
4.4-J (267) ENG - 1981-	82 - V8 - 3.50 Bore	
Mell Lube	M-10012	ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 40Z CONTAINER.
Gear Drive Set	48400	 NOISY - INCLUDES 8620 CARBURIZED STEEL GEAR ROLLER CAM BUTTON, LOCK PLATE AND BOLTS. TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODE DOWEL PIN HOLE INSERTS. RECOMMENDED FOR STREET AND STRIP, CLAIMER AND RACING ENGINE UP TO 6,500 RPM.
	48400Q	QUIET - INCLUDES 8620 CARBURIZED STEEL GEAR ROLLER CAM BUTTON, LOCK PLATE AND BOLTS. TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODE DOWEL PIN HOLE INSERTS. RECOMMENDED FOR STREET AND STRIP, CLAIMER AND RACING ENGINE UP TO 6,500 RPM.
3pc Set	48500T-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES INCLUDE SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER) BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS FIT ROLLER THRUST BEARINGS.
	48500W-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES. INCLUDI SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER) BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZ WASHER
5.0-G,H,U (305) ENG - 1	977-87 - V8 - 3.736 B	ore
Mell Lube	M-10012	ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 40Z CONTAINER.
Gear Drive Set	48400	NOISY - INCLUDES 8620 CARBURIZED STEEL GEAR ROLLER CAM BUTTON, LOCK PLATE AND BOLTS. TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODE DOWEL PIN HOLE INSERTS. RECOMMENDED FOR STREET AND STRIP, CLAIMER AND RACING ENGINE UP TO 6,500 RPM.
	48400Q	QUIET - INCLUDES 8620 CARBURIZED STEEL GEAR ROLLER CAM BUTTON, LOCK PLATE AND BOLTS. TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODE DOWEL PIN HOLE INSERTS. RECOMMENDED FOR STREET AND STRIP, CLAIMER AND RACING ENGINE UP TO 6,500 RPM.

PERFORMANCE - BUICK (Continued)

Line			, , , , , , , , , , , , , , , , , , ,
No.	Part Title	Part No.	Description
5	5.0-G,H,U (305) ENG - 1977-87	- V8 - 3.736 Bor	e
	3pc Set	48500T-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS FIT ROLLER THRUST BEARINGS.
		48500W-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES. INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZE WASHER
6	5.7-L (350) ENG - 1977-79 - V8	- 4.000 Bore	
	Mell Lube	M-10012	ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 40Z CONTAINER.
	Gear Drive Set	48400	NOISY - INCLUDES 8620 CARBURIZED STEEL GEARS, ROLLER CAM BUTTON, LOCK PLATE AND BOLTS. TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODED DOWEL PIN HOLE INSERTS. RECOMMENDED FOR STREET AND STRIP, CLAIMER AND RACING ENGINES UP TO 6,500 RPM.
		48400Q	QUIET - INCLUDES 8620 CARBURIZED STEEL GEARS, ROLLER CAM BUTTON, LOCK PLATE AND BOLTS. TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODED DOWEL PIN HOLE INSERTS. RECOMMENDED FOR STREET AND STRIP, CLAIMER AND RACING ENGINES UP TO 6,500 RPM.
	3pc Set	48500T-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS FIT ROLLER THRUST BEARINGS.
		48500W-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES. INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZE WASHER
7	350 B,H,J,X ENG - 1972-81 - 8	Cyl 3.800 Bore	9
	Mell Lube	M-10012	ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 40Z CONTAINER.
	3pc Set	40210	INCLUDES ROLLER CHAIN, CAST IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET

PERFORMANCE - CHEVROLET CARS & TRUCKS

e	Part Title	Part No.			Description					
	173 ENG - 1980-89 - V6 - 89 MM									
	Torque Camshaft			5			_			
	loique damanan		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Degrees Separation			
			-	Int. Exh.	Int. Exh.					
	HYD. USE (VS-380). CLASS I.	MTC-5	204 214	278 288	.421 .443	107 117	112			
	NOT CALIFORNIA COMPLIANT.									
	NOT COMPUTER COMPATIBLE.									
	POWER RANGE 1000-4800.									
	Hydraulic Flat Tappet Lifters	290954	Degrees .050" dur Degrees ADV. Dur Inches Valve lift Degrees Lobe cntr. D Se Int. Exh. Int. Exh. Int. Exh. Int. Exh. Int. Exh. Se 204 214 278 288 .421 .443 107 117 Int. Stock REPLACEMENT. USE W/ [MTC-5] CAMSH USE FACTORY SETTING STOCK REPLACEMENT. USE W/ [MTC-5] CAMSH INSTALLED HGT. OF 1.72 (MACHINING MAY BE REQUIRED) 3/4 INCH OUTLET HI VOL PUMP (20% ADDL VOL OIL). CHECK FOR PAN AND CRANK CLEARANCE Degrees Degrees .050" dur Degrees ADV. Dur Degrees Valve lift Degrees Lobe cntr. D Int. Exh. Int. Exh. Int. Exh. Int. Exh. Se D 204 214 278 288 .421 .443 107 117 Se EXCLUDES VIN D, M USE FACTORY SETTING STOCK REPLACEMENT. USE W/ [MTC-5] CAMSH INSTALLED HGT. OF 1.72; EXCLUDES VIN D,M MACHINING MAY BE REQUIRED) 3/4" OUTLET HI VOL PUMP (20% ADDL VOL OF O CHECK FOR PAN AND CRANK CLEARANCE.							
		VS-380								
	Lifters				.72 (IVIACHI		3E			
	Oil Pump	M134HV	3/4 INCH 0	OUTLET HI V	OL PUMP (2	20% ADDL V	OL OF			
	LiftersINSTALLED HGT. OF 1.72 (MACHINING MAY BE REQUIRED)Oil PumpM134HV3/4 INCH OUTLET HI VOL PUMP (20% ADDL VOL OF OIL). CHECK FOR PAN AND CRANK CLEARANCE.189 ENG - 1990-94 - V6 - 3.504 BoreDegrees DegreesDegrees ADV. DurDegrees Valve liftDegrees Lobe cntr.Degrees SeparationHYD. USE (VS-380). (EXCLUDES VIN D, M.) CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1000-4800.MTC-5Degrees 204 214Int. Exh.Int. Exh.Int. Exh.Hydraulic Flat Tappet Lifters290954EXCLUDES VIN D, M USE FACTORY SETTING STOCK REPLACEMENT. USE W/ [MTC-5] CAMSHAFT; INSTALLED HGT. OF 1.72; EXCLUDES VIN D, M									
	Torque Camshaft									
							Separation			
			-							
		MTC-5	204 214	278 288	.421 .443	107 117	112			
		200054	EXCLUDES VIN D. M USE FACTORY SETTING							
			STOCK REPLACEMENT. USE W/ [MTC-5] CAMSI							
		V 3-300								
	Litters						VI			
	Oil Pump	M134HV	· · · · · · · · · · · · · · · · · · ·							
		101104110			•		/i OIL).			
	200 ENG - 1978-79 - V6 - 3.50 E	Bore INCLUDES		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						
	Mell Lube	M-10012	T	SSEMBLY A	ND BREAK-	IN LUBRICA	NT.			
			PLATES W	EAR SURF	ACES TO PF	REVENT SC	ORING			
			AND GALL	ING DURIN	G ENGINE S	TART UP. 4	OZ			
			CONTAINE	ER.						
	Gear Drive Set	48400	NOISY - IN	ICLUDES 86	20 CARBUR	IZED STEE	L GEARS,			
			ROLLER C	AM BUTTO	N, LOCK PL	ATE AND BO	DLTS.			
					CLAIMER AN	ID RACING	ENGINES			
							0=100			
		48400Q								
					,					
							ENGINES			
	3pc Set	48500T-9								
						•				
					BEARINGS.		THEOS			

				REVROLE	I CARS &	TRUCKS (Continued)	
Line No.	Part Title	Part No.			Description			
3	200 ENG - 1978-79 - V6 - 3.50 E	Bore INCLUDES	TRUCKS					
	3pc Set	48500W-9	TRACK, H SEAMLES BILLET ST	OT ROD ANI S DOUBLE F EEL CAM SI	D CLAIMER ROLLER CHA PROCKET &	ENGINES. I AIN (.250" R 9 KEYWAY	NCLUDES OLLER), CRANK	
4	229 ENG - 1980-1984 - V6 - 3.7	36 Bore INCLUD	DES TRUCH	(S				
	Mell Lube	M-10012	RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES. INCLUDE SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER) BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZ WASHER JDES TRUCKS ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 40Z CONTAINER. NOISY - INCLUDES 8620 CARBURIZED STEEL GEAR: ROLLER CAM BUTTON, LOCK PLATE AND BOLTS. TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODE DOWEL PIN HOLE INSERTS. RECOMMENDED FOR STREET AND STRIP, CLAIMER AND RACING ENGINE UP TO 6,500 RPM. QUIET - INCLUDES 8620 CARBURIZED STEEL GEAR: ROLLER CAM BUTTON, LOCK PLATE AND BOLTS. TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODE DOWEL PIN HOLE INSERTS. RECOMMENDED FOR STREET AND STRIP, CLAIMER AND RACING ENGINE UP TO 6,500 RPM. QUIET - INCLUDES 8620 CARBURIZED STEEL GEAR: ROLLER CAM BUTTON, LOCK PLATE AND BOLTS. TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODE DOWEL PIN HOLE INSERTS. RECOMMENDED FOR STREET AND STRIP, CLAIMER AND RACING ENGINE UP TO 6,500 RPM. RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES. INCLUDE SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER) BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS FIT ROLLER THRUST BEARINGS. RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES. INCLUDE SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER) BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZ WASHER ZA, NOVA) Degrees Degrees Degrees 240 250 282 290 .521 .104 108 <th>ORING</th>			ORING		
	Gear Drive Set	48400	TRACK, HOT ROD AND CLAIMER ENGINES. INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZE WASHER DES TRUCKS ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 40Z CONTAINER. NOISY - INCLUDES 8620 CARBURIZED STEEL GEARS, ROLLER CAM BUTTON, LOCK PLATE AND BOLTS. TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODED DOWEL PIN HOLE INSERTS. RECOMMENDED FOR STREET AND STRIP, CLAIMER AND RACING ENGINES UP TO 6,500 RPM. QUIET - INCLUDES 8620 CARBURIZED STEEL GEARS, ROLLER CAM BUTTON, LOCK PLATE AND BOLTS. TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODED DOWEL PIN HOLE INSERTS. RECOMMENDED FOR STREET AND STRIP, CLAIMER AND RACING ENGINES UP TO 6,500 RPM. QUIET - INCLUDES 8620 CARBURIZED STEEL GEARS, ROLLER CAM BUTTON, LOCK PLATE AND BOLTS. TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODED DOWEL PIN HOLE INSERTS. RECOMMENDED FOR STREET AND STRIP, CLAIMER AND RACING ENGINES UP TO 6,500 RPM. RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES. INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS FIT ROLLER THRUST BEARINGS. RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES. INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZE WASHER A, NOVA)					
		48400Q	B TRUCKS RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES. INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZE WASHER DES TRUCKS ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 40Z CONTAINER. NOISY - INCLUDES 8620 CARBURIZED STEEL GEARS, ROLLER CAM BUTTON, LOCK PLATE AND BOLTS. TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODED DOWEL PIN HOLE INSERTS. RECOMMENDED FOR STREET AND STRIP, CLAIMER AND RACING ENGINES UP TO 6,500 RPM. QUIET - INCLUDES 8620 CARBURIZED STEEL GEARS, ROLLER CAM BUTTON, LOCK PLATE AND BOLTS. TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODED DOWEL PIN HOLE INSERTS. RECOMMENDED FOR STREET AND STRIP, CLAIMER AND RACING ENGINES UP TO 6,500 RPM. QUIET - INCLUDES 8620 CARBURIZED STEEL GEARS, ROLLER CAM BUTTON, LOCK PLATE AND BOLTS. TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODED DOWEL PIN HOLE INSERTS. RECOMMENDED FOR STREET AND STRIP, CLAIMER AND RACING ENGINES UP TO 6,500 RPM. RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES. INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS FIT ROLLER THRUST BEARINGS. RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES. INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZE WASHER A , NOVA) Degrees Degrees Degrees				DLTS. R CODED D FOR	
	3pc Set	48500T-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES. INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS					
		48500W-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES. INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZE					
5	262 ENG - 1975-76 - 8 Cyl 3.6	7 Bore (MONZA	, NOVA)					
	Camshafts Using Mechanical Flat Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Degrees Separation	
	OEM #3927140 CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3700-7300.	22400	257 270	304 320	.494 .512	108 116	112	
	CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2700-6200.	22402	240 250	282 290	.521 .521	104 108	106	
	CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3700-7300.	22404	258 266	290 298	.538 .556	99 111	105	
	Continued on Next Page							

Line No.	Part Title	Part No.			Description		
5	262 ENG - 1975-76 - 8 Cyl 3.6				Description		
	Camshafts Using Mechanical		-				
	Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	OEM #3849346 CLASS IV. NOT	22410	254 254	294 294	.484 .484	110 118	114
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 3600-7200.						
	OEM #3965754. CLASS IV. NOT	22450	262 273	309 318	.512 .536	108 116	112
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 3600-7200.						
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	CLASS II. NOT CALIFORNIA	C-400-P	223 223	290 290	.447 .447	110 118	114
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2100-5600.						
	OEM #3863151. CLASS II. NOT	22200	223 223	290 290	.447 .447	110 118	114
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2100-5600.						
	OEM #3896962. CLASS II. NOT	22210	224 224	291 287	.450 .460	114 114	114
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2200-5800.						
	CLASS II. NOT CALIFORNIA	22230	214 214	287 287	.444 .444	105 115	110
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1700-5300.						
	CLASS II. NOT CALIFORNIA	22232	220 231	304 287	.468 .480	106 114	110
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2000-5700.						
	CLASS II. NOT CALIFORNIA	22233	224 224	300 300	.436 .436	107 109	108
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2200-5800.						
	CLASS II. NOT CALIFORNIA	22234	224 230	283 291	.480 .486	107 113	110
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2000-5500.	00005	004 004	004 004	105 105	110 110	110
	CLASS II. NOT CALIFORNIA	22235	224 224	224 224	.465 .465	112 112	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2200-5700.	00001	000 000	000 000	400 400	100 110	100
	CLASS III. NOT CALIFORNIA	22301	232 232	288 288	.480 .480	106 110	108
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2500-6000.						
	Continued on Next Page						

Line No.	Part Title	Part No.			Description		
5	262 ENG - 1975-76 - 8 Cyl 3.6		NOVA)		Becomption		
	Camshafts Using Hydraulic Flat			5		5	
	Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Ocparation
	CLASS III. NOT CALIFORNIA	22303	224 234	298 304	.466 .488	107 117	112
	COMPLIANT. NOT COMPUTER	22000	221 201	200 001	. 100 . 100	107 117	
	COMPATIBLE. POWER RANGE						
	2200-5700.						
-	CLASS III. NOT CALIFORNIA	22305	234 244	303 313	.488 .508	107 117	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2700-6200.						
	CLASS III. NOT CALIFORNIA	22320	230 230	304 304	.453 .453	112 116	114
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2500-6000.						
	CLASS IV. NOT CALIFORNIA	22401	244 254	313 328	.508 .533	107 117	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
-	3300-6700. CLASS IV. NOT CALIFORNIA	22460	246 246	302 302	.508 .508	106 112	109
	COMPLIANT. NOT COMPUTER	22460	240 240	302 302	.506 .506	100 112	109
	COMPATIBLE. POWER RANGE						
	3300-6800.						
-	Camshafts Using Hydraulic		Derrees	Desiran	lashaa	Deswaaa	Deersee
	Retro-fit Roller Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	ooparation
	FOR USE WITH RETRO-FIT	22135	206 214	265 274	.470 .490	108 116	112
	ROLLER LIFTER [SB817RF16]						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1000-4500						
	FOR USE WITH RETRO-FIT	22136	215 230	284 310	.470 .480	106 114	110
	ROLLER LIFTER [SB817RF16]						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
-	1500-5000 FOR USE WITH RETRO-FIT	22237	215 224	284 296	.470 .490	108 116	112
	ROLLER LIFTER [SB817RF16]	22231	215 224	284 296	.470 .490	108 116	112
	CLASS II. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1700-5200						
	FOR USE WITH RETRO-FIT	22238	215 215	284 284	.470 .470	106 114	110
	ROLLER LIFTER [SB817RF16]						
	CLASS II. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1700-5300						
	Continued on Next Page						

e	Part Title	Part No.	Description						
	262 ENG - 1975-76 - 8 Cyl 3.6				Becomption				
-	Camshafts Using Hydraulic								
	Retro-fit Roller Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Degrees Separation		
	FOR USE WITH RETRO-FIT ROLLER LIFTER [SB817RF16] CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE	22398	234 238	296 300	.538 .546	107 117	112		
	2500-6000.								
	Mell Lube	M-10012	PLATES W AND GALL	/EAR SURF/ ING DURIN	ACES TO PF	PREVENT SCORING START UP. 40Z			
	Mechanical Flat Tappet Lifters	JB-992	STOCK TYPE REPLACEMENT LIFTER, SPECIAL DESIGNED METERING SYSTEM						
Ī	Hydraulic Flat Tappet Lifters	298174	USE FACT	ORY SETTI	NG				
		298184				SH; MUST E	E USED W/		
	Hydraulic Roller Lifters	JB-2079	Degrees .050" dur Degrees ADV. Dur Inches Valve lift Degrees Lobe cntr. Degrees Separation Int. Exh. Int. Exh. Int. Exh. Int. Exh. Int. Exh. Int. Exh. 234 238 296 300 .538 .546 107 117 112 ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 40Z CONTAINER. STOCK TYPE REPLACEMENT LIFTER, SPECIAL						
	Hydraulic Retro-fit Roller Lifters	SB817RF16	RETRO-FIT LIFTER FOR USE W/ RETRO-FIT ROLLER						
F	Valve Locks	476104				.07], [22200]	, [22000]		
ŀ	Valve Spring with Mechanical	466114				5]. [22400] &	[22450]		
	Lifters		HARDENED 11/32" STEM OUTER- USE WITH [22410], [22415], [22400] & [22450] CAMS- MACHINING MAY BE REQUIRED 1.430 O.D. INNER- USE WITH [22410], [22400] & [22450] CAMS-						
-		466274	A, NOVA) Degrees .050° dur Degrees ADV. Dur Inches Valve lift Degrees Lobe cntr. Degrees Separa Int. Exh. Int. Exh. Int. Exh. Int. Exh. Int. Exh. 234 238 296 300 .538 .546 107 117 112 234 238 296 300 .538 .546 107 117 112 234 238 296 300 .538 .546 107 117 112 234 238 296 300 .538 .546 107 117 112 234 238 296 300 .538 .546 107 117 112 234 238 296 300 .538 .546 107 117 112 234 238 296 300 .538 .546 107 117 112 234 238 296 300 .538 .546 107 117 112 234 238 296 300 .538 .546 107 117 112 234 238 296 300 .538 .546 107 117 112 235 CONTAINER. STOCK TPPE REPLACEMENT LIFTER RETRO-FIT ROLLER CONTAINER. STOCK TPPE REPLACEMENT USE WITH ROLL						
ſ		466364	CAMS- MACHINING MAY BE REQUIRED 1.430 O.D. INNER- USE WITH [22410], [22400] & [22450] CAMS- MACHINING MAY BE REQUIRED 1.080 O.D. 1.260 O.D.						
	Valve Spring with Hydraulic Lifters	VS-380	[22108], [22109], [22114] & [22215] CAMS- NOTE: ASM.						
		VS-739	STOCK RE [22401] CA	EPLACEMEN	ASM HEIGH	IT OF 1.72-			
		466204	USE WITH	[22303], [22	305] & [2240	01] CAMS- N	OTE: ASM		
		466354	USE WITH (22213), (2	MTC-1, (22 2203), (2232	110), (22115 20), (22301) (), (22200), (2 CAMSHAFT:	22210), S. NOTE:		
L	Rocker Arms	498404							
-	Rocker Arm Stud	MRDS-2920 MRDS-941	2.560 OVE		,				
-	Chrome Moly Push Rods	500314	EXC. ROLLER 5/16" DIA. STANDARD LENGTH- HEA TREATED FOR GUIDE PLATES. MAX. SPRING						
		500614	TREATED	FOR GUIDE					
		500674	LBS.	STOCK TYPE REPLACEMENT LIFTER, SPECIAL DESIGNED METERING SYSTEM USE FACTORY SETTING ANTI-PUMP UP, SET AT ZERO LASH; MUST BE USED 1 ADJUSTABLE VALVE TRAIN STOCK TYPE REPLACEMENT LIFTER RETRO-FIT LIFTER FOR USE W/ RETRO-FIT ROLLER CAMSHAFTS [22135], [22136], [22237], [22238], [22398] HARDENED 11/32" STEM OUTER- USE WITH [22410], [22415], [22400] & [22450] CAMS- MACHINING MAY BE REQUIRED 1.430 O.D. INNER- USE WITH [22410], [22400] & [22450] CAMS- MACHINING MAY BE REQUIRED 1.080 O.D. 1.260 O.D. STOCK REPLACEMENT. USE WITH [22111], [22107], [22108], [22109], [22114] & [22215] CAMS- NOTE: ASM. HEIGHT OF 1.72 STOCK REPLACEMENT. USE WITH [22303], [22305] & [22401] CAMS- NOTE: ASM HEIGHT OF 1.72- MACHINING MAY BE REQUIRED CHROME VANADIUM USE WITH [22303], [22305] & [22401] CAMS- NOTE: ASI HEIGHT OF 1.72- MACHINING MAY BE REQUIRED USE WITH MTC-1, (22110), (22115), (22200), (22210), (22213), (22203), (22320), (22301) CAMSHAFTS. NOTE: ASM HEIGHT OF 1.72 - MACHINING MAY BE REQUIRED USE WITH MTC-1, (22110), (22115), (22200), (22210), (22213), (22203), (22320), (22301) CAMSHAFTS. NOTE: ASM HEIGHT OF 1.72 - MACHINING MAY BE REQUIRED USE WITH MTC-1, (22110), (22115), (22200), (22210), (22213), (22203), (22320), (22301) CAMSHAFTS. NOTE: ASM HEIGHT OF 1.72 - MACHINING MAY BE REQUIRED USE WITH MTC-1, (22110), (22115), (22200), (22210), (22213), (2203), (22320), (22301) CAMSHAFTS. NOTE: ASM HEIGHT OF 1.72 - MACHINING MAY BE REQUIRED USE WITH MTC-1, (22110), (22115), (22200), (22210), (22213), (2203), (22320), (22301) CAMSHAFTS. NOTE: ASM HEIGHT OF 1.72 - MACHINING MAY BE REQUIRED USE WITH MTC-1, (22110), (22115), (22200), (22210), (22213), (2203), (22320), (22301) CAMSHAFTS. NOTE: ASM HEIGHT OF 1.72 - MACHINING MAY BE REQUIRED LONG SLOT 2.325 OVERALL LENGTH, 3/8" DIAMETER WITH HEX N 2.560 OVERALL LENGTH, 3/8" DIAMETER WITH HEX N 2.560 OVERALL LENGTH, 3/8" DIAMETER WITH HEX NUT EXC. ROLLER 5/16" DIA. + .100 O/S LENGTH-HEAT TREATED FOR GUIDE PLATES MAX. SPRING PRESSURE 350 LBS. EXC. ROLLER 5/16" DIA. MAX. SPRING PRESSURE 350 LBS. EXC					
		501004	TREATED	FOR GUIDE	PLATES (OI	NE PIECE			
L			00100110			LOOUNE	550 LDO.		

Line No.	Part Title	Part No.	Description					
5	262 ENG - 1975-76 - 8 Cyl 3.0		A, NOVA)					
	Chrome Moly Push Rods	501024	EXC. ROLLER 5/16" DIA. + .150 O/S LENGTH - HEAT					
	-		TREATED FOR GUIDE PLATES. (ONE PIECE					
			CONSTRUCTION)					
		501034	EXC. ROLLER 5/16" DIA. + .200 O/S LENGTH - HEAT					
			TREATED FOR GUIDE PLATES. (ONE PIECE					
		MGP1004 CONSTRUCTION) 5/16" THICK-MUST BE USED WITH SCREW ARM STUDS. (FLAT)						
	Guide Plates	TREATED FOR GUIDE PLATES. (ONE PLONSTRUCTION) MGP1004 5/16" THICK-MUST BE USED WITH SCREARM STUDS. (FLAT) MGP1014 3/8" THICK-MUST BE USED WITH SCREARM STUDS. (FLAT)						
		MCD1014						
		ARM STUDS. (FLAT) MGP1014 3/8" THICK-MUST BE USED WITH SCREW-IN ROC ARM STUDS. (FLAT) MGP1024 3/8" THICK- MUST BE USED WITH SCREW-IN ROC ARM STUDS. (RAISED)						
		MGP1024						
		MGP1034	5/16" THICK- MUST BE USED WITH SCREW-IN ROCKER					
			ARM STUDS. (RAISED)					
	Gear Drive Set	48400	NOISY - INCLUDES 8620 CARBURIZED STEEL GEARS,					
			ROLLER CAM BUTTON, LOCK PLATE AND BOLTS.					
			TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODED					
			DOWEL PIN HOLE INSERTS. RECOMMENDED FOR					
			STREET AND STRIP, CLAIMER AND RACING ENGINES					
		404000						
		48400Q	QUIET - INCLUDES 8620 CARBURIZED STEEL GEARS,					
			ROLLER CAM BUTTON, LOCK PLATE AND BOLTS. TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODED					
			DOWEL PIN HOLE INSERTS. RECOMMENDED FOR					
			STREET AND STRIP, CLAIMER AND RACING ENGINES					
			UP TO 6,500 RPM.					
	3pc Set	40201	EXCLUDES STOCK ROLLER CAM ENGINES. INCLUDES					
			DOUBLE ROLLER CHAIN, CAST IRON CAM SPROCKET					
			& MULTIPLE KEYWAY CRANK SPROCKET.					
		40400	EXCLUDES STOCK ROLLER CAM ENGINES. INCLUDES					
			DOUBLE SEAMLESS SOLID ROLLER CHAIN, CAST IRON					
			CAM SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET					
		48500T-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE					
		405001-9	TRACK, HOT ROD AND CLAIMER ENGINES INCLUDES					
			SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),					
			BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK					
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS					
			FIT ROLLER THRUST BEARINGS.					
		48500W-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE					
			TRACK, HOT ROD AND CLAIMER ENGINES. INCLUDES					
			SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK					
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZE					
			WASHER					
		40520	EXCLUDING ROLLER CAM ENGINES, RACING					
			APPLICATIONS ONLY INCLUDES 3/8" HY-VO TEC					
			CHAIN, CAM SPROCKET WITH LIGHTENING HOLES &					
			9-MULTIPLE KEYWAY CRANK SPROCKET					
	Oil Pump	M-99HV-S	HI VOL PUMP- MORE VOL AND PRESSURE THAN					
			STOCK PUMP. INCLUDES SCREEN. CHECK FOR PAN					
			AND CRANK CLEARANCE.					
	Continued on Next Page							

Line No.	Part Title	Part No.	Description					
5	262 ENG - 1975-76 - 8 Cyl 3.6		· · · ·					
	Oil Pump	10050-700CT	(MELLING PATENT 5,810,571) HI VOLUME 25%.					
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.					
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE					
			COATINGS. SCREW IN VALVE. OFFSET SCREEN FOR					
			7." PAN INTEGRATED INTO PUMP BODY. INCLUDES					
			OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT					
			AND CHROME MOLY I/S SHAFT. CIRCLE TRACK					
			RACING. CHECK FOR PAN AND CRANK CLEARANCE.					
		10050-750SS	(MELLING PATENT 5,810,571) HI VOLUME 25%.					
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.					
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE					
			COATINGS. SCREW IN VALVE. SCREEN FOR 7.5" PAN					
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL					
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME					
			MOLY I/S SHAFT. STREET AND STRIP. CHECK FOR PAN					
			AND CRANK CLEARANCE.					
		10050-825SS	(MELLING PATENT 5,810,571) HI VOLUME 25%.					
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.					
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE					
			COATINGS. SCREW IN VALVE. SCREEN FOR 8.25" PAN					
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL					
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME					
			MOLY I/S SHAFT. STREET AND STRIP. CHECK FOR PAN					
		10055 7000T	AND CRANK CLEARANCE. (MELLING PATENT 5,810,571) STANDARD VOLUME.					
		10055-700CT	MULTIPLE PRESSURE SETTINGS, ALUMINUM BILLET.					
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE					
			COATINGS, SCREW IN VALVE, OFFSET SCREEN FOR					
			7." PAN INTEGRATED INTO PUMP BODY. INCLUDES					
			OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT					
			AND CHROME MOLY I/S SHAFT. CIRCLE TRACK					
			RACING.					
		10055-750SS	(MELLING PATENT 5,810,571) STANDARD VOLUME.					
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.					
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE					
			COATINGS. SCREW IN VALVE. SCREEN FOR 8.25" PAN					
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL					
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME					
			MOLY I/S SHAFT. STREET AND STRIP.					
		10055-825SS	(MELLING PATENT 5,810,571) STANDARD VOLUME.					
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.					
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE					
			COATINGS. SCREW IN VALVE. SCREEN FOR 7.5" PAN					
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL					
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME					
			MOLY I/S SHAFT. STREET AND STRIP.					
		10550	EXC CHEVY II HI VOLUME PUMP (25% ADDL VOL OF					
			OIL) - FEATURES: STEEL GEARS; INCLUDES I/S SHAFT					
			W/STEEL GUIDE. USES 5/8" DIAMETER SCREEN.					
	Continued on Next Page		CHECK FOR PAN AND CRANK CLEARANCE.					
	Continued on Next Page							

Line		PERFURI	MANCE - CHEVROLET CARS & TRUCKS (Continued)						
No.	Part Title	Part No.	Description						
5									
	Oil Pump	10551	EXC CHEVY II - 19MM INLET HI VOLUME PUMP (25% ADDL VOL OF OIL) - FEATURES: STEEL GEARS; INCLUDES I/S SHAFT W/STEEL GUIDE. USES 3/4" DIAMETER SCREEN. CHECK FOR PAN AND CRANK CLEARANCE.						
		10552	(MELLING PATENT 5,810,571) HI VOLUME PUMP (10% ADDL VOL OF OIL) - FEATURES: STEEL GEARS; SHAFTS EXTENDED INTO COVER FOR SUPPORT. RELIEF VALVE SPRING HAS SCREW IN PLUG. INCLUDES [12550] CHROME MOLY INTERMEDIATE SHAFT WITH STEEL GUIDE. EITHER A BOLT ON OR PRESS IN SCREEN CAN BE USED WITH THIS PUMP. CHECK FOR PAN AND CRANK CLEARANCE.						
-		10552C	RACING APPLICATIONS ONLY. (MELLING PATENT 5,810,571) HI VOLUME PUMP (10% ADDL VOL OF OIL) FEATURES: STEEL GEARS; SHAFTS EXTENDED INTO COVER FOR SUPPORT. REFIEF VALVE SPRING HAS SCREW IN PLUG. INCLUDES [12550] CHROME MOLY INTERMEDIATE SHAFT WITH STEEL GUIDE. HAS ANTI-CAVITATION GROOVES. EITHER A BOLT ON OR PRESS IN SCREEN CAN BE USED WITH THIS PUMP. CHECK FOR PAN AND CRANK CLEARANCE.						
		10553	FEATURES STEEL GEARS; STANDARD VOLUME VERSION OF THE 10550 PUMP.						
		10554	FEATURES STEEL GEARS; STANDARD VOLUME VERSION OF THE 10551 PUMP.						
		10555	(MELLING PATENT 5,810,571) HI VOLUME PUMP (25% ADDL VOL OF OIL) FEATURES: STEEL GEARS; SHAFTS EXTENDED INTO COVER FOR SUPPORT. RELIEF VALVE SPRING HAS SCREW IN PLUG. INCLUDES [12550] CHROME MOLY INTERMEDIATE SHAFT WITH STEEL GUIDE. EITHER A BOLT ON OR PRESS IN SCREEN CAN BE USED WITH THIS PUMP. CHECK FOR PAN AND CRANK CLEARANCE.						
		10555C	RACING APPLICATIONS ONLY. (MELLING PATENT 5,810,571) HI VOLUME PUMP (25% ADDL VOL OF OIL) FEATURES: STEEL GEARS; SHAFTS EXTENDED INTO COVER FOR SUPPORT. RELIEF VALVE SPRING HAS SCREW IN PLUG. INCLUDES [12550] CHROME MOLY INTERMEDIATE SHAFT WITH STEEL GUIDE. HAS ANTI-CAVITATION GROOVES. EITHER A BOLT ON OR PRESS IN SCREEN CAN BE USED WITH THIS PUMP. CHECK FOR PAN AND CRANK CLEARANCE.						
	Continued on Next Page	10990	(MELLING PATENT 5,810,571) HI VOLUME PUMP (25% ADDL VOLUME) FEATURES: SHAFTS EXTENDED INTO COVER FOR SUPPORT. RELIEF VALVE HAS SCREW IN PLUG. INCLUDES [12550] CHROME MOLY INTERMEDIATE SHAFT WITH STEEL GUIDE. INCLUDES STOCK SPRING. CHECK FOR PAN AND CRANK CLEARANCE.						
	Continued on Next Page								

Line No.	Part Title	Part No.	Description						
5	262 ENG - 1975-76 - 8 Cyl 3.6								
	Oil Pump	10990C	<u>, , , , , , , , , , , , , , , , , , , </u>	PPLICATION	NS ONLY. (N	IELLING PA	TENT		
					•				
			5,810,571) HI VOLUME PUMP (25% ADDL VOL OF OIL) FEATURES: SHAFTS EXTENDED INTO COVER FOR						
				. RELIEF VA					
				6 [12550] CH					
				TH STEEL G					
				6. CHECK FC					
	Oil Pump Screen	12557		SCREEN. US					
	On rump Screen	12001		EARANCE B					
				3/16 TO 1/4"					
				FIT YOUR AI					
			FOR 1055			. DOLT ON	OUNEEN		
		12558			SE WITH 7 1	/2" DEEP ST	OCK TYPE		
		12000		E: CLEARA					
			-	LOWS 3/16	-	-	-		
				CUSTOM F			-		
		12559		SCREEN, US					
				E: CLEARA					
			HOLES AL	LOWS 3/16	TO 1/4" ADJ	USTMENT (JP OR		
			DOWN TO	CUSTOM F	IT YOUR AP	PLICATION			
		12564	BOLT ON	SCREEN. US	SE WITH 7"	DEEP OVAL	TRACK		
			BOLT ON SCREEN. USE WITH 7" DEEP OVAL TRACK PAN. NOTE: MESH IS TO THE RIGHT. NOTE:						
			CLEARANCE BETWEEN THE BOLTS AND THE HOLES ALLOWS 3/16" TO 1/4" ADJUSTMENT UP OR DOWN TO CUSTOM FIT YOUR APPLICATION. BOLT ON SCREEN. USE WITH 7 1/2" DEEP OVAL TRACK						
		12566							
			PAN. NOT	E: MESH IS	TO THE RIG	HT. NOTE:			
			CLEARAN	CE BETWEE	IN THE BOL	TS AND TH	E HOLES		
			ALLOWS 3	3/16" TO 1/4"	ADJUSTME	ENT UP OR I	DOWN TO		
				FIT YOUR A					
	Oil Pump Drive Shaft	12550		IANCE TYPE					
				H (150,000 F	,				
				D SHAFT RE		IICH LOCKS	ONTO		
			THE OIL P	UMP DRIVE	SHAFT				
6	262 ENG - 1985-04 - V6 - 4.0 Bo	ore				1			
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees		
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation		
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.			
	EXC ROLLER LIFTERS. CLASS I.	22113	194 204	270 278	.398 .421	104 104	104		
	NOT CALIFORNIA COMPLIANT.								
	NOT COMPUTER COMPATIBLE.								
	POWER RANGE IDLE-4500.								
	Camshafts Using Hydraulic Roller Lifters		Degrees	Degrees	Inches	Degrees	Degrees		
			.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation		
	1087 1004 CLASS L NOT	22128	Int. Exh.	Int. Exh. 273 277	Int. Exh.	Int. Exh. 107 117	112		
	1987-1994 CLASS I. NOT	22120	210 214	213 211	.478 .487		112		
	CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE.								
	POWER RANGE 1500-5000.		174 USE FACTORY SETTING						
	Hydraulic Flat Tappet Lifters	298174							
		298184		P UP, SET A		SH: MUST F	E USED W/		
				BLE VALVE		,			
	Hydraulic Roller Lifters	JB-2079		PE REPLAC		TER			
	Valve Locks	476104		(0					
	Continued on Next Page								
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Line			RMANCE - CHEVROLET CARS & TRUCKS (Continued)
No. 6	Part Title 262 ENG - 1985-04 - V6 - 4.0	Part No.	Description
0			
	Valve Spring with Hydraulic Lifters	466354	USE WITH (22113) CAMSHAFT, MACHINING MAY BE REQUIRED
	Chrome Moly Push Rods	500314	EXC. ROLLER CAM. 5/16" DIA. STANDARD LENGTH-
			HEAT TREATED FOR GUIDE PLATES. MAX. SPRING
			PRESSURE 350 LBS.
		500614	EXC. ROLLER CAM. 5/16" DIA. + .100 O/S LENGTH-HEAT
			TREATED FOR GUIDE PLATES MAX. SPRING
		500674	PRESSURE 350 LBS. EXC. ROLLER CAM. 3/8" DIA. MAX. SPRING PRESSURE
		500074	350 LBS.
		501004	EXC. ROLLER CAM. 5/16" DIA. STANDARD LENGTH -
			HEAT TREATED FOR GUIDEPLATES (ONE PIECE
			CONSTRUCTION) MAX. SPRING PRESSURE 500 LBS.
		501024	EXC. ROLLER CAM. 5/16" DIA. + .150 O/S LENGTH -
			HEAT TREATED FOR GUIDE PLATES. (ONE PIECE
			CONSTRUCTION)
		501034	EXC. ROLLER CAM. 5/16" DIA. + .200 O/S LENGTH -
			HEAT TREATED FOR GUIDE PLATES. (ONE PIECE
			CONSTRUCTION)
	Gear Drive Set	48400	1985-1986 NOISY - INCLUDES 8620 CARBURIZED STEEL
			GEARS, ROLLER CAM BUTTON, LOCK PLATE AND
			BOLTS. ADJUSTED W/5 OPTIONAL COLOR CODED
			DOWEL PIN HOLE INSERTS. RECOMMENDED FOR
			STREET AND STRIP, CLAIMER AND RACING ENGINES UP TO 6,500 RPM. INCLUDES TRUCKS VIN CODES N,Z.
		48400Q	1985-1986 QUIET - INCLUDES 8620 CARBURIZED STEEL
		404000	GEARS, ROLLER CAM BUTTON, LOCK PLATE AND
			BOLTS. ADJUSTED W/5 OPTIONAL COLOR CODED
			DOWEL PIN HOLE INSERTS. RECOMMENDED FOR
			STREET AND STRIP, CLAIMER AND RACING ENGINES
			UP TO 6,500 RPM. INCLUDES TRUCKS VIN CODES N,Z
		48450	1987-1993 INCLUDES 8620 CARBURIZED STEEL
			GEARS, ROLLER CAMBUTTON, LOCK PLATE AND
			BOLTS, ADJUSTED W/5 COLOR CODED DOWEL PIN
			HOLE INSERTS. RECOMMENDED FOR STREET AND
			STRIP, CLAIMER AND RACING ENGINES UP TO 6,500
	2no Cot	40201	RPM. INCLUDES TRUCKS VIN CODES B,Z 1985-1985 EXC STOCK ROLLER CAM ENGS, INCLUDES
	3pc Set	40201	TRUCKS INCLUDES DOUBLE ROLLER CHAIN, CAST
			IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK
			SPROCKET.
		40400	EXC STOCK ROLLER CAM ENGS. INCLUDES TRUCKS
			NON RACING APPLICATIONS ONLY INCLUDES DOUBLE
			SEAMLESS SOLID ROLLER CHAIN, CAST IRON CAM
			SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET
		48500T-9	1985-1986 TRUCKS ONLY VIN CODES N,Z.
			RECOMMENDED FOR STREET AND STRIP, CIRCLE
			TRACK, HOT ROD AND CLAIMER ENGINES. INCLUDES
			SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),
			BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS
	Continued on Next Page		FIT ROLLER THRUST BEARINGS.
	Continued on Next Page		

Line No.	Part Title	Description	
6	262 ENG - 1985-04 - V6 - 4.0 Bo	Part No.	Description
0	3pc Set	48500T-9	1985-1993 CARS ONLY VIN CODE Z. RECOMMENDED
		400001 0	FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD
			AND CLAIMER ENGINES. INCLUDES SEAMLESS
			DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL
			CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH
			+4°/-4° CAM ADJUSTMENT. PRESS FIT ROLLER
			THRUST BEARINGS.
		48500W-9	1985-1993 CARS ONLY VIN CODE Z. RECOMMENDED
			FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD
			AND CLAIMER ENGINES. INCLUDES SEAMLESS
			DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL
			CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH
			+4°/-4° CAM ADJUSTMENT. BRONZE WASHER
		48500W-9	1985-1986 TRUCKS ONLY VIN CODES N.Z.
			RECOMMENDED FOR STREET AND STRIP, CIRCLE
			TRACK, HOT ROD AND CLAIMER ENGINES. INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),
			BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZE
			WASHER
		40520	EXC. ROLLER CAM - INCLUDES TRUCKS RACING
		10020	APPLICATIONS ONLY INCLUDES 3/8" HY-VO TEC
			CHAIN, CAM SPROCKET WITH LIGHTENING HOLES &
			9-MULTIPLE KEYWAY CRANK SPROCKET
-	Oil Pump	M-99HV-S	MAY REQUIRE CUTTING PAN BAFFLES. HI VOL PUMP-
			MORE VOL AND PRESSURE THAN STOCK PUMP.
			INCLUDES SCREEN. CHECK FOR PAN AND CRANK
			CLEARANCE.
		10550	HI VOLUME PUMP (25% ADDL VOL OF OIL) -
			FEATURES: STEEL GEARS; INCLUDES I/S SHAFT W/
			STEEL GUIDE. USES 5/8" DIAMETER SCREEN. CHECK
		10551	
		10551	HI VOLUME PUMP (25% ADDL VOL OF OIL) - FEATURES: STEEL GEARS; INCLUDES I/S SHAFT W/
			STEEL GUIDE. USES 3/4" DIAMETER SCREEN. CHECK
			FOR PAN AND CRANK CLEARANCE.
	Oil Pump Drive Shaft	12550	PERFORMANCE TYPE INTERMEDIATE SHAFT. HIGH
			STRENGTH (150,000 PSI) CHROME MOLY STEEL.
			IMPROVED SHAFT RETAINER WHICH LOCKS ONTO
			THE OIL PUMP DRIVE SHAFT
7	265 ENG - 1955-57 - 8 Cyl 3.7	'5 Bore	
	Mell Lube	M-10012	ENGINE ASSEMBLY AND BREAK-IN LUBRICANT.
			PLATES WEAR SURFACES TO PREVENT SCORING
			AND GALLING DURING ENGINE START UP. 40Z
			CONTAINER.
	3pc Set	48500T-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE
			TRACK, HOT ROD AND CLAIMER ENGINES. INCLUDES
			SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),
			BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS
	Continued on Neut Deve		FIT ROLLER THRUST BEARINGS.
	Continued on Next Page		

Line No.	Part Title	Part No.		Description				
NO.	265 ENG - 1955-57 - 8 Cyl 3.7		1					
	3pc Set	48500W-9	TRACK, H SEAMLES BILLET ST	ENDED FOR OT ROD ANI S DOUBLE F EEL CAM SI T WITH +4%	D CLAIMER ROLLER CHA PROCKET &	ENGINES. I AIN (.250" R 9 KEYWAY	NCLUDES OLLER), CRANK	
8	267 ENG - 1979-82 - 8 Cyl 3.5	50 Bore (INC. EL	. CAMINO,	CABALLEI	RO)			
	Torque Camshaft		Degrees .050" dur Int. Exh.	Degrees ADV. Dur Int. Exh.	Inches Valve lift Int. Exh.	Degrees Lobe cntr. Int. Exh.	Degrees Separation	
	HYD. IMPROVES LOW-MID. PERF. CHECK FOR COIL BIND. USE [VS-380] SPRING W/ INSTALLED HGT. OF 1.72. USE ONLY WITH CARBURETTED ENGINES. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1000-4500.	MTC-1	204 214	278 288	.421 .444	107 117	112	
	Camshafts Using Mechanical Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation	
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Separation	
	OEM #3927140 CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3700-7300.	22400	257 270	304 320	.494 .512	108 116	112	
	CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2700-6200.	22402	240 250	282 290	.521 .521	104 108	106	
	CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3700-7300.	22404	258 266	290 298	.538 .556	99 111	105	
	OEM # 3849346 CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3600-7200.	22410	254 254	294 294	.484 .484	110 118	114	
	OEM # 3965754 CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3600-7200.	22450	262 273	309 318	.512 .536	108 116	112	
	Camshafts Using Hydraulic Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift Int. Exh.	Degrees Lobe cntr. Int. Exh.	Degrees Separation	
	CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2100-5600.	С-400-Р	Int. Exh. 223 223	Int. Exh. 290 290	.447 .447	110 118	114	
	Continued on Next Page							

Line		•					
No.	Part Title	Part No.			Description		
8	267 ENG - 1979-82 - 8 Cyl 3.5	0 Bore (INC. EL	CAMINO,	CABALLE	RO)		
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	USE ONLY IN 1987 & OLDER S.B.	22107	208 208	280 280	.408 .408	107 113	110
	CHEVY ENG EQUIPPED WITH						
	CARBURETTED 267-350 CID V8.						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATBLE. POWER RANGE						
	1000-4500.						
	USE ONLY IN 1987 & OLDER S.B.	22108	184 194	260 270	.367 .398	104 104	104
	CHEVY ENG EQUIPPED WITH						
	CARBURETTED 267-350 CID V8.						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	IDLE-4000.		101.001	070 070	000 404	101 101	101
	USE ONLY IN 1987 & OLDER S.B.	22109	194 204	270 278	.398 .421	104 104	104
	CHEVY ENG EQUIPPED WITH						
	CARBURETTED 267-350 CID V8. CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE						
	IDLE-4000.						
	USE ONLY IN 1987 & OLDER S.B.	22114	208 208	280 280	.420 .420	106 116	111
	CHEVY ENG EQUIPPED WITH	22114	200 200	200 200	.420 .420	100 110	
	CARBURETTED 267-350 CID V8.						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1400-4900.						
	USE ONLY IN 1987 & OLDER S.B.	22115	209 216	283 286	.435 .455	107 117	112
	CHEVY ENG EQUIPPED WITH						
	CARBURETTED 267-350 CID V8.						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1500-5000.						
	USE ONLY IN 1987 & OLDER S.B.	22126	194 214	268 288	.398 .441	107 117	112
	CHEVY ENG EQUIPPED WITH						
	CARBURETTED 267-350 CID V8.						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1250-4750.						
	OEM# 3863151. CLASS II. NOT	22200	223 223	290 290	.447 .447	110 118	114
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2100-5600.						
	Continued on Next Page						

Line							Continued)
No.	Part Title	Part No.			Description		
8	267 ENG - 1979-82 - 8 Cyl 3.5	0 Bore (INC. EL	CAMINO,	CABALLEI	RO)		
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	440
	USE ONLY IN 1987 & OLDER S.B.	22203	214 224	288 298	.444 .466	107 117	112
	CHEVY ENG EQUIPPED WITH						
	CARBURETTED 267-350 CID V8. CLASS II. NOT CALIFORNIA						
	COMPLIANT. NOT CALIFORNIA						
	COMPATIBLE. POWER RANGE						
	1700-5200.						
	OEM# 3896962 CLASS II. NOT	22210	224 224	291 287	.450 .460	114 114	114
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2200-5800.						
	USE ONLY IN 1987 & OLDER S.B.	22213	214 214	287 287	.444 .444	107 117	112
	CHEVY ENG EQUIPPED WITH						
	CARBURETTED 267-350 CID V8.						
	CLASS II. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1700-5200.	00015	010 010	005 005	400 400	100 110	110
	USE ONLY IN 1987 & OLDER S.B. CHEVY ENG EQUIPPED WITH	22215	218 218	295 295	.429 .429	108 112	110
	CARBURETTED 267-350 CID V8.						
	CLASS II. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2000-5000.						
	CLASS II. NOT CALIFORNIA	22230	214 214	287 287	.444 .444	105 115	110
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1700-5300.						
	CLASS II. NOT CALIFORNIA	22232	220 231	304 287	.468 .480	106 114	110
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2000-5700.		004 004	000 000	400 400	107 100	100
	CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER	22233	224 224	300 300	.436 .436	107 109	108
	COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE						
	2200-5800.						
	CLASS II. NOT CALIFORNIA	22234	224 230	283 291	.480 .486	107 113	110
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2000-5500.						
	CLASS II. NOT CALIFORNIA	22235	224 224	224 224	.465 .465	112 112	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2200-5700.						
	CLASS III. NOT CALIFORNIA	22301	232 232	288 288	.480 .480	106 110	108
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2500-6000.						
	Continued on Next Page						

Line	Dent Title	Davit Na			Deceriation		
No.	Part Title	Part No.			Description		
8	267 ENG - 1979-82 - 8 Cyl 3.5	D Bore (INC. EL	CAMINO,		RU)		
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
		00000	Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	110
	CLASS III. NOT CALIFORNIA	22303	224 234	298 304	.466 .488	107 117	112
	COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE						
	2200-5700.						
	CLASS III. NOT CALIFORNIA	22305	234 244	303 313	.488 .508	107 117	112
	COMPLIANT. NOT COMPUTER	22303	204 244	505 515	.400 .500	107 117	112
	COMPATIBLE. POWER RANGE						
	2700-6200.						
	CLASS III. NOT CALIFORNIA	22320	230 230	304 304	.453 .453	112 116	114
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2500-6000.						
	CLASS IV. NOT CALIFORNIA	22401	244 254	313 328	.508 .533	107 117	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	3300-6700.						
	CLASS IV. NOT CALIFORNIA	22460	246 246	302 302	.508 .508	106 112	109
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	3300-6800.						
	Camshafts Using Hydraulic Retro-fit Roller Lifters		Degrees	Degrees	Inches	Degrees	Degrees
	Retro-III Roller Lillers		.050" dur Int. Exh.	ADV. Dur Int. Exh.	Valve lift Int. Exh.	Lobe cntr. Int. Exh.	Separation
	FOR USE WITH RETRO-FIT	22135	206 214	265 274	.470 .490	108 116	112
	ROLLER LIFTER [SB817RF16];	22135	200 214	205 274	.470 .490	100 110	112
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1000-4500						
	FOR USE WITH RETRO-FIT	22136	215 230	284 310	.470 .480	106 114	110
	ROLLER LIFTER [SB817RF16];						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1500-5000						
	FOR USE WITH RETRO-FIT	22237	215 224	284 296	.470 .490	108 116	112
	ROLLER LIFTER [SB817RF16];						
	CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER						
	COMPETIANT: NOT COMPOTER COMPATIBLE. POWER RANGE						
	1700-5200						
	FOR USE WITH RETRO-FIT	22238	215 215	284 284	.470 .470	106 114	110
	ROLLER LIFTER [SB817RF16];	======					
	CLASS II. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE						

Line			MANCE - CHEVROLET CARS & TRUCKS (Continued)						
No. 8	Part Title 267 ENG - 1979-82 - 8 Cyl 3.5	Part No.							
0	Camshafts Using Hydraulic				,				
	Retro-fit Roller Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation		
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.			
	FOR USE WITH RETRO-FIT	22398	234 238	296 300	.538 .546	107 117	112		
	ROLLER LIFTER [SB817RF16];.								
	CLASS III. NOT CALIFORNIA								
	COMPLIANT. NOT COMPUTER								
	COMPATIBLE. POWER RANGE								
	2500-6000.								
	Mell Lube	M-10012			ND BREAK-				
			PLATES WEAR SURFACES TO PREVENT SCORIN AND GALLING DURING ENGINE START UP. 40Z						
					a Engline a	IANI UF. 4	02		
	Torque Cam Lifter Kit	CL-MTC-1			MPUTER C		:		
					PERF. USE				
					ENGINES.	• •			
					UDES 1-[M]				
					-	- /			
			LIFTERS & 40Z MELL LUBE. CHECK FOR COIL BIND. USE [VS-380] SPRING W/INSTALLED HGT. OF 1.72						
	Mechanical Flat Tappet Lifters	JB-992	USE [VS-380] SPRING W/INSTALLED HGT. OF 1.72 STOCK TYPE REPLACEMENT LIFTER, SPECIAL DESIGNED METERING SYSTEM						
			DESIGNED	D METERINO	SYSTEM				
	Hydraulic Flat Tappet Lifters	298174							
		298184		SH; MUST BE USED W/					
			ADJUSTABLE VALVE TRAIN STOCK TYPE REPLACEMENT LIFTER RETRO-FIT LIFTER FOR USE W/ RETRO-FIT ROLL CAMSHAFTS [22135], [22136], [22237], [22238], [223						
	Hydraulic Roller Lifters	JB-2079							
	Hydraulic Retro-fit Roller Lifters	SB817RF16							
	Wakaa Laaba	470404	11/32" STE	237], [22238]	, [22398]				
	Valve Locks Valve Spring with Mechanical	476104 466114				1101 [00/15]	10], [22415], [22400] &		
	Lifters	400114			NING MAY E				
	Liners		0.D.				LD 1.430		
		466274		INNER- USI	E WITH [224	10]. [22400]	& [22450]		
					AY BE REQI				
		466364	1.260 O.D.						
	Valve Spring with Hydraulic	VS-380	STOCK RE	PLACEMEN	IT. USE WIT	H [MTC-1], [22107],		
	Lifters		[22108], [2	2109], [2211	4] & [22215]	CAMS- NOT	E: ASM.		
					HINING MA		,		
		VS-739			IT. USE WIT		22305] &		
					ASM HEIGH				
					REQUIRED (
		466204			305] & [2240 HINING MA	-			
		466354			2110), (2211				
		400334			20), (22301) (
				<i>,,</i> , ,	- MACHININ				
	Rocker Arms	498404	LONG SLC			0			
	Rocker Arm Stud	MRDS-2920			TH, 3/8" DIA	METER WIT	H HEX NUT		
		MRDS-941			TH, 7/16" DI				
			NUT						
	Chrome Moly Push Rods	500314			LENGTH HE				
					ROLLER 5/1				
					TED FOR G	JIDE PLATE	S. MAX.		
			SPRING P	RESSURE 3	50 LBS.				
	Continued on Next Page								

Line No.	Part Title	Part No.	Description
8	267 ENG - 1979-82 - 8 Cyl 3.5		
	Chrome Moly Push Rods	500614	EXC. ROLLER 5/16" DIA. + .100 O/S LENGTH-HEAT
	·····		TREATED FOR GUIDE PLATES MAX. SPRING
			PRESSURE 350 LBS.
		500674	EXC. ROLLER 3/8" DIA. MAX. SPRING PRESSURE 350
			LBS.
		501004	EXC. ROLLER 5/16" DIA. STANDARD LENGTH - HEAT
			TREATED FOR GUIDEPLATES (ONE PIECE
			CONSTRUCTION) MAX. SPRING PRESSURE 500 LBS.
		501024	EXC. ROLLER 5/16" DIA. + .150 O/S LENGTH - HEAT
			TREATED FOR GUIDE PLATES. (ONE PIECE
		501004	
		501034	EXC. ROLLER 5/16" DIA. + .200 O/S LENGTH - HEAT TREATED FOR GUIDE PLATES. (ONE PIECE
			CONSTRUCTION)
	Guide Plates	MGP1004	5/16" THICK-MUST BE USED WITH SCREW-IN ROCKER
	Guide Flates	MGP 1004	ARM STUDS. (FLAT)
		MGP1014	3/8" THICK-MUST BE USED WITH SCREW-IN ROCKER
			ARM STUDS. (FLAT)
		MGP1024	3/8" THICK- MUST BE USED WITH SCREW-IN ROCKER
			ARM STUDS. (RAISED)
		MGP1034	5/16" THICK- MUST BE USED WITH SCREW-IN ROCKER
			ARM STUDS. (RAISED)
	Gear Drive Set	48400	NOISY - INCLUDES 8620 CARBURIZED STEEL GEARS,
			ROLLER CAM BUTTON, LOCK PLATE AND BOLTS.
			TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODED
			DOWEL PIN HOLE INSERTS. RECOMMENDED FOR
			STREET AND STRIP, CLAIMER AND RACING ENGINES
		40.4000	
		48400Q	QUIET - INCLUDES 8620 CARBURIZED STEEL GEARS, ROLLER CAM BUTTON, LOCK PLATE AND BOLTS.
			TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODED
			DOWEL PIN HOLE INSERTS. RECOMMENDED FOR
			STREET AND STRIP, CLAIMER AND RACING ENGINES
			UP TO 6,500 RPM.
	3pc Set	40201	EXCLUDING STOCK ROLLER CAM ENGINES INCLUDES
	•		DOUBLE ROLLER CHAIN, CAST IRON CAM SPROCKET
			& MULTIPLE KEYWAY CRANK SPROCKET.
		40400	EXCLUDING STOCK ROLLER CAM ENGINES INCLUDES
			DOUBLE SEAMLESS SOLID ROLLER CHAIN, CAST IRON
			CAM SPROCKET & MULTIPLE KEYWAY CRANK
			SPROCKET
		40500	EXCLUDING STOCK ROLLER CAM ENGINES INCLUDES
			SINGLE SEAMLESS SOLID ROLLER CHAIN (.335"
			ROLLER), CAST IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET.
		48500T-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE
			TRACK, HOT ROD AND CLAIMER ENGINES INCLUDES
			SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),
			BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS
			FIT ROLLER THRUST BEARINGS.
	Continued on Next Page		
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	[PERFOR	MANCE - CHEVROLET CARS & TRUCKS (Continued)			
Line No.	Part Title	Part No.	Description			
8	267 ENG - 1979-82 - 8 Cyl 3.50 Bore (INC. EL CAMINO, CABALLERO)					
	3pc Set	48500W-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE			
			TRACK, HOT ROD AND CLAIMER ENGINES. INCLUDES			
			SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),			
			BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK			
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZE			
			WASHER			
		40520	EXCLUDING ROLLER CAM ENGINES - RACING			
			APPLICATIONS ONLY INCLUDES 3/8" HY-VO TEC			
			CHAIN, CAM SPROCKET WITH LIGHTENING HOLES &			
	Oil Rump	M-99HV-S	9-MULTIPLE KEYWAY CRANK SPROCKET HI VOL PUMP- MORE VOL AND PRESSURE THAN			
	Oil Pump	INI-990V-5	STOCK PUMP. INCLUDES SCREEN. CHECK FOR PAN			
			AND CRANK CLEARANCE.			
		10050-700CT	(MELLING PATENT 5,810,571) HI VOLUME 25%.			
		10000 / 0001	MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.			
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE			
			COATINGS. SCREW IN VALVE. OFFSET SCREEN FOR			
			7." PAN INTEGRATED INTO PUMP BODY. INCLUDES			
			OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT			
			AND CHROME MOLY I/S SHAFT. CIRCLE TRACK			
			RACING. CHECK FOR PAN AND CRANK CLEARANCE.			
		10050-750SS	(MELLING PATENT 5,810,571) HI VOLUME 25%.			
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.			
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE			
			COATINGS. SCREW IN VALVE. SCREEN FOR 7.5" PAN			
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL			
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME MOLY I/S SHAFT. STREET AND STRIP. CHECK FOR PAN			
			AND CRANK CLEARANCE.			
		10050-825SS	(MELLING PATENT 5,810,571) HI VOLUME 25%.			
		10000 02000	MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.			
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE			
			COATINGS. SCREW IN VALVE. SCREEN FOR 8.25" PAN			
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL			
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME			
			MOLY I/S SHAFT. STREET AND STRIP. CHECK FOR PAN			
			AND CRANK CLEARANCE.			
		10055-700CT	(MELLING PATENT 5,810,571) STANDARD VOLUME.			
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.			
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS, SCREW IN VALVE, OFFSET SCREEN FOR			
			7." PAN INTEGRATED INTO PUMP BODY. INCLUDES			
			OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT			
			AND CHROME MOLY I/S SHAFT. CIRCLE TRACK			
			RACING.			
		10055-750SS	(MELLING PATENT 5,810,571) STANDARD VOLUME.			
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.			
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE			
			COATINGS. SCREW IN VALVE. SCREEN FOR 8.25" PAN			
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL			
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME			
			MOLY I/S SHAFT. STREET AND STRIP.			
	Continued on Next Page					

Line						
No.	Part Title	Part No.				
8	267 ENG - 1979-82 - 8 Cyl 3.5	•				
	Oil Pump	10055-825SS	(MELLING PATENT 5,810,571) STANDARD VOLUME.			
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.			
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE			
			COATINGS. SCREW IN VALVE. SCREEN FOR 7.5" PAN			
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL			
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME			
		40550	MOLY I/S SHAFT. STREET AND STRIP.			
		10550	EXC. CHEVY II HI VOLUME PUMP (25% ADDL VOL OF			
			OIL) - FEATURES: STEEL GEARS; INCLUDES I/S SHAFT			
			W/STEEL GUIDE. USES 5/8" DIAMETER SCREEN.			
		10551				
		10551	EXC. CHEVY II - 19MM INLET HI VOLUME PUMP (25%			
			ADDL VOL OF OIL) - FEATURES: STEEL GEARS; INCLUDES I/S SHAFT W/STEEL GUIDE. USES 3/4"			
			DIAMETER SCREEN. CHECK FOR PAN AND CRANK			
			CLEARANCE.			
		10552	(MELLING PATENT 5,810,571) HI VOLUME PUMP (10%			
		10332	ADDL VOL OF OIL) - FEATURES: STEEL GEARS;			
			SHAFTS EXTENDED INTO COVER FOR SUPPORT.			
			RELIEF VALVE SPRING HAS SCREW IN PLUG.			
			INCLUDES [12550] CHROME MOLY INTERMEDIATE			
			SHAFT WITH STEEL GUIDE. EITHER A BOLT ON OR			
			PRESS IN SCREEN CAN BE USED WITH THIS PUMP.			
			CHECK FOR PAN AND CRANK CLEARANCE.			
		10552C	RACING APPLICATIONS ONLY. (MELLING PATENT			
			5,810,571) HI VOLUME PUMP (10% ADDL VOL OF OIL)			
			FEATURES: STEEL GEARS; SHAFTS EXTENDED INTO			
			COVER FOR SUPPORT. REFIEF VALVE SPRING HAS			
			SCREW IN PLUG. INCLUDES [12550] CHROME MOLY			
			INTERMEDIATE SHAFT WITH STEEL GUIDE. HAS			
			ANTI-CAVITATION GROOVES. EITHER A BOLT ON OR			
			PRESS IN SCREEN CAN BE USED WITH THIS PUMP.			
			CHECK FOR PAN AND CRANK CLEARANCE.			
		10553	FEATURES STEEL GEARS; STANDARD VOLUME			
			VERSION OF THE 10550 PUMP.			
		10554	FEATURES STEEL GEARS; STANDARD VOLUME			
			VERSION OF THE 10551 PUMP.			
		10555	(MELLING PATENT 5,810,571) HI VOLUME PUMP (25%			
			ADDL VOL OF OIL) FEATURES: STEEL GEARS; SHAFTS			
			EXTENDED INTO COVER FOR SUPPORT. RELIEF			
			VALVE SPRING HAS SCREW IN PLUG. INCLUDES			
			[12550] CHROME MOLY INTERMEDIATE SHAFT WITH			
			STEEL GUIDE. EITHER A BOLT ON OR PRESS IN			
			SCREEN CAN BE USED WITH THIS PUMP. CHECK FOR			
			PAN AND CRANK CLEARANCE.			
	Continued on Next Page					

		PERFOR	MANCE - CHEVROLET CARS & TRUCKS (Continued)			
Line No.	Part Title	Part No.	Description			
8	267 ENG - 1979-82 - 8 Cyl 3.	50 Bore (INC. EL	C. EL CAMINO, CABALLERO)			
	Oil Pump	10555C	RACING APPLICATIONS ONLY. (MELLING PATENT 5,810,571) HI VOLUME PUMP (25% ADDL VOL OF OIL)			
			FEATURES: STEEL GEARS; SHAFTS EXTENDED INTO COVER FOR SUPPORT. RELIEF VALVE SPRING HAS			
			SCREW IN PLUG. INCLUDES [12550] CHROME MOLY INTERMEDIATE SHAFT WITH STEEL GUIDE. HAS			
			ANTI-CAVITATION GROOVES. EITHER A BOLT ON OR PRESS IN SCREEN CAN BE USED WITH THIS PUMP.			
		10990	CHECK FOR PAN AND CRANK CLEARANCE. (MELLING PATENT 5,810,571) HI VOLUME PUMP (25%			
			ADDL VOLUME) FEATURES: SHAFTS EXTENDED INTO COVER FOR SUPPORT. RELIEF VALVE HAS SCREW IN PLUG. INCLUDES [12550] CHROME MOLY INTERMEDIATE SHAFT WITH STEEL GUIDE. INCLUDES STOCK SPRING. CHECK FOR PAN AND CRANK			
		400000				
		10990C	RACING APPLICATIONS ONLY. (MELLING PATENT 5,810,571) HI VOLUME PUMP (25% ADDL VOL OF OIL) FEATURES: SHAFTS EXTENDED INTO COVER FOR			
			SUPPORT. RELIEF VALVE HAS SCREW IN PLUG.			
			INCLUDES [12550] CHROME MOLY INTERMEDIATE SHAFT WITH STEEL GUIDE. HAS ANTI-CAVITATION GROOVES. CHECK FOR PAN AND CRANK CLEARANCE.			
	Oil Pump Screen	12557	BOLT ON SCREEN. USE W/7" DEEP STOCK TYPE PAN. NOTE: CLEARANCE BETWEEN THE BOLTS AND HOLES ALLOWS 3/16 TO 1/4" ADJUSTMENT UP OR DOWN TO CUSTOM FIT YOUR APPLICATION. BOLT ON SCREEN FOR 10555 PUMP.			
		12558	BOLT ON SCREEN. USE WITH 7 1/2" DEEP STOCK TYPE PAN. NOTE: CLEARANCE BETWEEN THE BOLTS AND HOLES ALLOWS 3/16 TO 1/4" ADJUSTMENT UP OR DOWN TO CUSTOM FIT YOUR APPLICATION.			
		12559	BOLT ON SCREEN. USE WITH 8" DEEP STOCK TYPE PAN. NOTE: CLEARANCE BETWEEN THE BOLTS AND HOLES ALLOWS 3/16 TO 1/4" ADJUSTMENT UP OR DOWN TO CUSTOM FIT YOUR APPLICATION.			
		12564	BOLT ON SCREEN. USE WITH 7" DEEP OVAL TRACK PAN. NOTE: MESH IS TO THE RIGHT. NOTE: CLEARANCE BETWEEN THE BOLTS AND THE HOLES ALLOWS 3/16" TO 1/4" ADJUSTMENT UP OR DOWN TO			
		12566	CUSTOM FIT YOUR APPLICATION. BOLT ON SCREEN. USE WITH 7 1/2" DEEP OVAL TRACK			
			PAN. NOTE: MESH IS TO THE RIGHT. NOTE: CLEARANCE BETWEEN THE BOLTS AND THE HOLES ALLOWS 3/16" TO 1/4" ADJUSTMENT UP OR DOWN TO CUSTOM FIT YOUR APPLICATION.			
	Oil Pump Drive Shaft	12550	PERFORMANCE TYPE INTERMEDIATE SHAFT. HIGH STRENGTH (150,000 PSI) CHROME MOLY STEEL. IMPROVED SHAFT RETAINER WHICH LOCKS ONTO THE OIL PUMP DRIVE SHAFT			

Line No.	Part Title	Part No.			Description		
9	283 ENG - 1957-67 - 8 Cyl 3 7				Description		
	Torque Camshaft		Degrees	Degrade	Inches	Degrees	Degrees
			.050" dur	Degrees ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Coparation
	HYD. IMPROVES LOW-MID.	MTC-1	204 214	278 288	.421 .444	107 117	112
	PERF. CHECK FOR COIL BIND.		-			-	
	USE [VS-380] SPRING W/						
	INSTALLED HGT. OF 1.72. USE						
	ONLY WITH CARBURETTED						
	ENGINES. CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1000-4500.						
	Camshafts Using Mechanical		Degrees	Degrees	Inches	Degrees	Degrees
	Flat Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	OEM #3927140 CLASS IV. NOT	22400	257 270	304 320	.494 .512	108 116	112
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
·	POWER RANGE 3700-7300. CLASS IV. NOT CALIFORNIA	22402	240 250	282 290	.521 .521	104 108	106
	COMPLIANT. NOT COMPUTER	22402	240 250	202 290	.521 .521	104 100	100
	COMPATIBLE. POWER RANGE						
	2700-6200.						
	CLASS IV. NOT CALIFORNIA	22404	258 266	290 298	.538 .556	99 111	105
	COMPLIANT. NOT COMPUTER	-					
	COMPATIBLE. POWER RANGE						
	3700-7300.						
	OEM #3849346 CLASS IV. NOT	22410	254 254	294 294	.484 .484	110 118	114
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 3600-7200.						
	OEM #3965754. CLASS IV. NOT	22450	262 273	309 318	.512 .536	108 116	112
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE. POWER RANGE 3600-7200.						
·	Camshafts Using Hydraulic Flat			-		-	
	Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Coparation
	CLASS II. NOT CALIFORNIA	C-400-P	223 223	290 290	.447 .447	110 118	114
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2100-5600.						
	USE ONLY IN 1987 & OLDER S.B.	22107	208 208	280 280	.408 .408	107 113	110
	CHEVY ENG EQUIPPED WITH						
	CARBURETTED 267-350 CID V8.						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATBLE. POWER RANGE						
	1000-4500.						
	Continued on Next Page						

Line							Continued)
No.	Part Title	Part No.			Description		
9	283 ENG - 1957-67 - 8 Cyl 3 7	7/8 Bore	1	1	1	1	
	Camshafts Using Hydraulic Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
	USE ONLY IN 1987 & OLDER S.B. CHEVY ENG EQUIPPED WITH	22108	Int. Exh. 184 194	Int. Exh. 260 270	Int. Exh. .367 .398	Int. Exh. 104 104	104
	CARBURETTED 267-350 CID V8. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE IDLE-4000.						
	USE ONLY IN 1987 & OLDER S.B. CHEVY ENG EQUIPPED WITH CARBURETTED 267-350 CID V8. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE IDLE-4000.	22109	194 204	270 278	.398 .421	104 104	104
	USE ONLY IN 1987 & OLDER S.B. CHEVY ENG EQUIPPED WITH CARBURETTED 267-350 CID V8. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1400-4900.	22114	208 208	280 280	.420 .420	106 116	111
	USE ONLY IN 1987 & OLDER S.B. CHEVY ENG EQUIPPED WITH CARBURETTED 267-350 CID V8. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1500-5000.	22115	209 216	283 286	.435 .455	107 117	112
	USE ONLY IN 1987 & OLDER S.B. CHEVY ENG EQUIPPED WITH CARBURETTED 267-350 CID V8. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1250-4750.	22126	194 214	268 288	.398 .441	107 117	112
	OEM# 3863151. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2100-5600.	22200	223 223	290 290	.447 .447	110 118	114
	USE ONLY IN 1987 & OLDER S.B. CHEVY ENG EQUIPPED WITH CARBURETTED 267-350 CID V8. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5200.	22203	214 224	288 298	.444 .466	107 117	112
	OEM# 3896962 CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2200-5800.	22210	224 224	291 287	.450 .460	114 114	114
	Continued on Next Page						

No.	Part Title	Part No.			Description		
9	283 ENG - 1957-67 - 8 Cyl 3 7						
	Camshafts Using Hydraulic Flat		Destrates	Deswaaa	Inches	Deerroop	Desires
	Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Copulation
	USE ONLY IN 1987 & OLDER S.B.	22213	214 214	287 287	.444 .444	107 117	112
	CHEVY ENG EQUIPPED WITH	22210	211 211	207 207		107 117	112
	CARBURETTED 267-350 CID V8.						
	CLASS II. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1700-5200.						
	USE ONLY IN 1987 & OLDER S.B.	22215	218 218	295 295	.429 .429	108 112	110
	CHEVY ENG EQUIPPED WITH						
	CARBURETTED 267-350 CID V8.						
	CLASS II. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2000-5000.						
	CLASS II. NOT CALIFORNIA	22230	214 214	287 287	.444 .444	105 115	110
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
-	1700-5300.	00000	000 001	004 007	400 400	100 114	110
	CLASS II. NOT CALIFORNIA	22232	220 231	304 287	.468 .480	106 114	110
	COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE						
	2000-5700.						
-	CLASS II. NOT CALIFORNIA	22233	224 224	300 300	.436 .436	107 109	108
	COMPLIANT. NOT COMPUTER	22233		500 500		107 103	100
	COMPATIBLE. POWER RANGE						
	2200-5800.						
-	CLASS II. NOT CALIFORNIA	22234	224 230	283 291	.480 .486	107 113	110
	COMPLIANT. NOT COMPUTER	-					
	COMPATIBLE. POWER RANGE						
	2000-5500.						
Ī	CLASS II. NOT CALIFORNIA	22235	224 224	224 224	.465 .465	112 112	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2200-5700.						
	CLASS III. NOT CALIFORNIA	22301	232 232	288 288	.480 .480	106 110	108
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
-	2500-6000.				400 400		
	CLASS III. NOT CALIFORNIA	22303	224 234	298 304	.466 .488	107 117	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
-	2200-5700. CLASS III. NOT CALIFORNIA	22305	234 244	303 313	.488 .508	107 117	112
	COMPLIANT. NOT CALIFORNIA COMPLIANT. NOT COMPUTER	22305	234 244	303 313	.400 .500	107 117	112
	COMPATIBLE. POWER RANGE						
	2700-6200.						
-	CLASS III. NOT CALIFORNIA	22320	230 230	304 304	.453 .453	112 116	114
	COMPLIANT. NOT COMPUTER		200 200				
	COMPATIBLE. POWER RANGE						
	2500-6000.						
ŀ	Continued on Next Page						

e	Part Title	Part No.			Description		
	283 ENG - 1957-67 - 8 Cyl 3 7				2000011011011		
	Camshafts Using Hydraulic Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
	CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3300-6700.	22401	Int. Exh. 244 254	Int. Exh. 313 328	Int. Exh. .508 .533	Int. Exh. 107 117	112
	CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3300-6800.	22460	246 246	302 302	.508 .508	106 112	109
	Camshafts Using Hydraulic Retro-fit Roller Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
	FOR USE WITH RETRO-FIT ROLLER LIFTER [SB817RF16] CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1000-4500	22135	Int. Exh. 206 214	Int. Exh. 265 274	Int. Exh. .470 .490	Int. Exh. 108 116	112
	FOR USE WITH RETRO-FIT ROLLER LIFTER [SB817RF16] CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1500-5000	22136	215 230	284 310	.470 .480	106 114	110
	FOR USE WITH RETRO-FIT ROLLER LIFTER [SB817RF16] CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5200	22237	215 224	284 296	.470 .490	108 116	112
	FOR USE WITH RETRO-FIT ROLLER LIFTER [SB817RF16] CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5300	22238	215 215	284 284	.470 .470	106 114	110
	FOR USE WITH RETRO-FIT ROLLER LIFTER [SB817RF16] CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2500-6000.	22398	234 238	296 300	.538 .546	107 117	112
	Mell Lube	M-10012	PLATES W	/EAR SURF/ ING DURING	ND BREAK- ACES TO PF G ENGINE S	REVENT SC	ORING

Line						
No.	Part Title	Part No.	Description			
9	283 ENG - 1957-67 - 8 Cyl 3 7					
	Torque Cam Lifter Kit	CL-MTC-1	CLASS I HYD. NOT COMPUTER COMPATIBLE.			
			IMPROVES LOW-MID PERF. USE (VS-380). USE ONLY			
			WITH CARBURETTED ENGINES. NOT CALIFORNIA			
			COMPLIANT. KIT INCLUDES 1-[MTC-1] CAM, 16-[JB-817]			
			LIFTERS & 40Z MELL LUBE. CHECK FOR COIL BIND.			
		18.000	USE [VS-380] SPRING W/INSTALLED HGT. OF 1.72			
	Mechanical Flat Tappet Lifters	JB-992	STOCK TYPE REPLACEMENT LIFTER, SPECIAL			
			DESIGNED METERING SYSTEM			
	Hydraulic Flat Tappet Lifters	298174				
		298184	ANTI-PUMP UP, SET AT ZERO LASH; MUST BE USED W/			
	I hadroadia Dallan Liffana	IB 0070				
	Hydraulic Roller Lifters	JB-2079				
	Hydraulic Retro-fit Roller Lifters	SB817RF16	RETRO-FIT LIFTER FOR USE W/ RETRO-FIT ROLLER			
	Valve Locks	476104	CAMSHAFTS [22135], [22136], [22237], [22238], [22398] HARDENED 11/32" STEM			
	Valve Spring with Mechanical	466114	1957-1967 OUTER- USE WITH [22410], [22415], [22400] &			
	Lifters	400114	[22450] CAMS- MACHINING MAY BE REQUIRED 1.430			
	Litters		0.D.			
		466274	1957-1967 INNER- USE WITH [22410], [22400] & [22450]			
		400274	CAMS- MACHINING MAY BE REQUIRED 1.080 O.D.			
		466364	1.260 O.D.			
	Valve Spring with Hydraulic	VS-380	STOCK REPLACEMENT. USE WITH [MTC-1], [22111],			
	Lifters	V-500	[22107], [22108], [22109], [22114] & [22215] CAMS- NOTE:			
-	Enters		ASM. HEIGHT OF 1.72 (MACHINING MAY BE REQUIRED)			
		VS-739	STOCK REPLACEMENT. USE WITH [22303], [22305] &			
		10.00	[22401] CAMS - NOTE: ASM HEIGHT OF			
			1.72-MACHINING MAY BE REQUIRED. CHROME			
			VANADIUM			
		466204	USE WITH [22303], [22305] & [22401] CAMS - NOTE: ASM			
			HEIGHT OF 1.72-MACHINING MAY BE REQUIRED.			
		466354	USE WITH MTC-1, (22110), (22115), (22200), (22210),			
			(22213), (22203), (22320), (22301) CAMSHAFTS. NOTE:			
			ASM HEIGHT OF 1.72 - MACHINING MAY BE REQUIRED.			
	Rocker Arms	498404	LONG SLOT			
	Rocker Arm Stud	MRDS-2920	2.325 OVERALL LENGTH, 3/8" DIAMETER WITH HEX NUT			
		MRDS-941	2.560 OVERALL LENGTH, 7/16" DIAMETER WITH HEX			
			NUT			
	Chrome Moly Push Rods	500314	EXC. ROLLER 5/16" DIA. STANDARD LENGTH- HEAT			
			TREATED FOR GUIDE PLATES. MAX. SPRING			
		500044	PRESSURE 350 LBS.			
		500614	EXC. ROLLER 5/16" DIA. + .100 O/S LENGTH-HEAT TREATED FOR GUIDE PLATES MAX. SPRING			
			PRESSURE 350 LBS.			
		500674	EXC. ROLLER 3/8" DIA. MAX. SPRING PRESSURE 350			
		500074	LBS.			
		501004	EXC. ROLLER 5/16" DIA. STANDARD LENGTH - HEAT			
		501007	TREATED FOR GUIDEPLATES (ONE PIECE			
			CONSTRUCTION) MAX. SPRING PRESSURE 500 LBS.			
		501024	EXC. ROLLER 5/16" DIA. + .150 O/S LENGTH - HEAT			
		JUIUET	TREATED FOR GUIDE PLATES. (ONE PIECE			
			CONSTRUCTION)			
	Continued on Next Page		,			
	-					

Line No.	Part Title	Part No.	Description
9	283 ENG - 1957-67 - 8 Cyl 3 7		Description
3	Chrome Moly Push Rods	501034	EXC. ROLLER 5/16" DIA. + .200 O/S LENGTH - HEAT
	on one moly rush hous	501054	TREATED FOR GUIDE PLATES. (ONE PIECE
			CONSTRUCTION)
	Guide Plates	MGP1004	5/16" THICK-MUST BE USED WITH SCREW-IN ROCKER
			ARM STUDS. (FLAT)
		MGP1014	3/8" THICK-MUST BE USED WITH SCREW-IN ROCKER
			ARM STUDS. (FLAT)
		MGP1024	3/8" THICK- MUST BE USED WITH SCREW-IN ROCKER
			ARM STUDS. (RAISED)
	Gear Drive Set	48400	1967-1967 NOISY - INCLUDES 8620 CARBURIZED STEEL
			GEARS, ROLLER CAM BUTTON, LOCK PLATE AND
			BOLTS. TIMING ADJUSTED WITH 5 OPTIONAL COLOR
			CODED DOWEL PIN HOLE INSERTS. RECOMMENDED
			FOR STREET AND STRIP, CLAIMER AND RACING
			ENGINES UP TO 6,500 RPM. CAR APPLICATIONS ONLY.
		48400	1959-1967 NOISY - INCLUDES 8620 CARBURIZED STEEL
			GEARS, ROLLER CAM BUTTON, LOCK PLATE AND
			BOLTS. TIMING ADJUSTED WITH 5 OPTIONAL COLOR
			CODED DOWEL PIN HOLE INSERTS. RECOMMENDED
			FOR STREET AND STRIP, CLAIMER AND RACING ENGINES UP TO 6,500 RPM. TRUCKS ONLY.
		48400Q	1959-1967 QUIET - INCLUDES 8620 CARBURIZED STEEL
		404000	GEARS, ROLLER CAM BUTTON, LOCK PLATE AND
			BOLTS. TIMING ADJUSTED WITH 5 OPTIONAL COLOR
			CODED DOWEL PIN HOLE INSERTS, RECOMMENDED
			FOR STREET AND STRIP, CLAIMER AND RACING
			ENGINES UP TO 6,500 RPM. TRUCKS ONLY.
		48400Q	1967-1967 QUIET - INCLUDES 8620 CARBURIZED STEEL
			GEARS, ROLLER CAM BUTTON, LOCK PLATE AND
			BOLTS. TIMING ADJUSTED WITH 5 OPTIONAL COLOR
			CODED DOWEL PIN HOLE INSERTS. RECOMMENDED
			FOR STREET AND STRIP, CLAIMER AND RACING
			ENGINES UP TO 6,500 RPM. CAR APPLICATIONS ONLY.
	3pc Set	40201	1959-1967 EXCLUDING STOCK ROLLER CAM ENGINES.
			TRUCKS ONLY INCLUDES DOUBLE ROLLER CHAIN,
			CAST IRON CAM SPROCKET & MULTIPLE KEYWAY
		40201	1967-1967 EXCLUDES STOCK ROLLER CAM ENGINES.
			CAR APPLICATIONS ONLY. INCLUDES DOUBLE
			ROLLER CHAIN, CAST IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET.
		40400	1967-1967 EXCLUDES STOCK ROLLER CAM ENGINES.
		10100	CAR APPLICATIONS ONLY. INCLUDES DOUBLE
			SEAMLESS SOLID ROLLER CHAIN, CAST IRON CAM
			SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET
		40400	1959-1967 EXCLUDING STOCK ROLLER CAM ENGINES.
			TRUCKS ONLY INCLUDES DOUBLE SEAMLESS SOLID
			ROLLER CHAIN, CAST IRON CAM SPROCKET &
			MULTIPLE KEYWAY CRANK SPROCKET
		40500	1959-1967 EXCLUDING STOCK ROLLER CAM ENGINES.
			TRUCKS ONLY INCLUDES SINGLE SEAMLESS SOLID
			ROLLER CHAIN (.335" ROLLER), CAST IRON CAM
			SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET.
	Continued on Next Page		

Line No.	Part Title	Part No.	Description
9	283 ENG - 1957-67 - 8 Cyl 3 7		Description
9	3pc Set	40500	1967-1967 EXCLUDES STOCK ROLLER CAM ENGINES.
	Spc Set	40300	CAR APPLICATIONS ONLY. INCLUDES SINGLE
			SEAMLESS SOLID ROLLER CHAIN (.335" ROLLER),
			CAST IRON CAM SPROCKET & MULTIPLE KEYWAY
			CRANK SPROCKET.
		48500T-9	1967-1967 RECOMMENDED FOR STREET AND STRIP,
			CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES.
			CAR APPLICATIONS ONLY. INCLUDES SEAMLESS
			DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL
			CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH
			+4°/-4° CAM ADJUSTMENT. PRESS FIT ROLLER
			THRUST BEARINGS.
		48500T-9	1959-1967 RECOMMENDED FOR STREET AND STRIP,
			CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES.
			TRUCKS ONLY INCLUDES SEAMLESS DOUBLE ROLLER
			CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET
			& 9 KEYWAY CRANK SPROCKET WITH +4°/-4° CAM
		48500W-9	ADJUSTMENT. PRESS FIT ROLLER THRUST BEARINGS. 1959-1967 RECOMMENDED FOR STREET AND STRIP,
		4050077-9	CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES.
			TRUCKS ONLY INCLUDES SEAMLESS DOUBLE ROLLER
			CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET
			& 9 KEYWAY CRANK SPROCKET WITH +4°/-4° CAM
-			ADJUSTMENT. BRONZE WASHER
		48500W-9	1967-1967 RECOMMENDED FOR STREET AND STRIP,
			CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES.
			CAR APPLICATIONS ONLY INCLUDES SEAMLESS
			DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL
			CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH
			+4°/-4° CAM ADJUSTMENT. BRONZE WASHER
		40520	1967-1967 RACING APPLICATIONS ONLY. EXCLUDES
			STOCK ROLLER CAM ENGINES. CAR APPLICATIONS
			ONLY. INCLUDES 3/8" HY-VO TEC CHAIN, CAM
			SPROCKET WITH LIGHTENING HOLES & 9-MULTIPLE KEYWAY CRANK SPROCKET
		40520	1959-1967 RACING APPLICATIONS ONLY. EXCLUDING
		40320	STOCK ROLLER CAM ENGINES. TRUCKS ONLY
			INCLUDES 3/8" HY-VO TEC CHAIN, CAM SPROCKET
			WITH LIGHTENING HOLES & 9-MULTIPLE KEYWAY
			CRANK SPROCKET
	Oil Pump	M-99HV-S	HI VOL PUMP- MORE VOL AND PRESSURE THAN
			STOCK PUMP. INCLUDES SCREEN. CHECK FOR PAN
			AND CRANK CLEARANCE.
		10050-700CT	(MELLING PATENT 5,810,571) HI VOLUME 25%.
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS. SCREW IN VALVE. OFFSET SCREEN FOR
			7." PAN INTEGRATED INTO PUMP BODY. INCLUDES
			OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME MOLY I/S SHAFT. CIRCLE TRACK
			RACING. CHECK FOR PAN AND CRANK CLEARANCE.
	Continued on Next Page		TAGING, OFLOCT OF LAN AND CHAINE CLEARANCE.
	Continued on Next Fage		

Line			MANCE - CHEVROLET CARS & TRUCKS (Continued)			
No.	Part Title	Part No.	Description			
9	283 ENG - 1957-67 - 8 Cyl 3 7/8 Bore					
	Oil Pump	10050-750SS	(MELLING PATENT 5,810,571) HI VOLUME 25%. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 7.5" PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME MOLY I/S SHAFT. STREET AND STRIP. CHECK FOR PAN AND CRANK CLEARANCE.			
		10050-825SS	(MELLING PATENT 5,810,571) HI VOLUME 25%. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 8.25" PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME MOLY I/S SHAFT. STREET AND STRIP. CHECK FOR PAN AND CRANK CLEARANCE.			
		10055-700CT	(MELLING PATENT 5,810,571) STANDARD VOLUME. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. OFFSET SCREEN FOR 7." PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME MOLY I/S SHAFT. CIRCLE TRACK RACING.			
		10055-750SS	(MELLING PATENT 5,810,571) STANDARD VOLUME. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 8.25" PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME MOLY I/S SHAFT. STREET AND STRIP.			
		10055-825SS	(MELLING PATENT 5,810,571) STANDARD VOLUME. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 7.5" PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME MOLY I/S SHAFT. STREET AND STRIP.			
		10550	EXC. CHEVY II HI VOLUME PUMP (25% ADDL VOL OF OIL) - FEATURES: STEEL GEARS; INCLUDES I/S SHAFT W/STEEL GUIDE. USES 5/8" DIAMETER SCREEN. CHECK FOR PAN AND CRANK CLEARANCE.			
	Continued on Neut Dese	10551	EXC. CHEVY II - 19MM INLET HI VOLUME PUMP (25% ADDL VOL OF OIL) - FEATURES: STEEL GEARS; INCLUDES I/S SHAFT W/STEEL GUIDE. USES 3/4" DIAMETER SCREEN. CHECK FOR PAN AND CRANK CLEARANCE.			
	Continued on Next Page					

Line No.	Part Title	Part No.	Description
9	283 ENG - 1957-67 - 8 Cyl 3 7		Description
5	Oil Pump	10552	(MELLING PATENT 5,810,571) HI VOLUME PUMP (10%
		10332	ADDL VOL OF OIL) - FEATURES: STEEL GEARS;
			SHAFTS EXTENDED INTO COVER FOR SUPPORT.
			RELIEF VALVE SPRING HAS SCREW IN PLUG.
			INCLUDES [12550] CHROME MOLY INTERMEDIATE
			SHAFT WITH STEEL GUIDE. EITHER A BOLT ON OR
			PRESS IN SCREEN CAN BE USED WITH THIS PUMP.
			CHECK FOR PAN AND CRANK CLEARANCE.
		10552C	RACING APPLICATIONS ONLY. (MELLING PATENT
			5,810,571) HI VOLUME PUMP (10% ADDL VOL OF OIL)
			FEATURES: STEEL GEARS; SHAFTS EXTENDED INTO
			COVER FOR SUPPORT. REFIEF VALVE SPRING HAS
			SCREW IN PLUG. INCLUDES [12550] CHROME MOLY
			INTERMEDIATE SHAFT WITH STEEL GUIDE. HAS
			ANTI-CAVITATION GROOVES. EITHER A BOLT ON OR
			PRESS IN SCREEN CAN BE USED WITH THIS PUMP.
			CHECK FOR PAN AND CRANK CLEARANCE.
		10553	FEATURES STEEL GEARS; STANDARD VOLUME
			VERSION OF THE 10550 PUMP.
		10554	FEATURES STEEL GEARS; STANDARD VOLUME
			VERSION OF THE 10551 PUMP.
		10555	(MELLING PATENT 5,810,571) HI VOLUME PUMP (25%
			ADDL VOL OF OIL) FEATURES: STEEL GEARS; SHAFTS
			EXTENDED INTO COVER FOR SUPPORT. RELIEF
			VALVE SPRING HAS SCREW IN PLUG. INCLUDES
			[12550] CHROME MOLY INTERMEDIATE SHAFT WITH
			STEEL GUIDE. EITHER A BOLT ON OR PRESS IN
			SCREEN CAN BE USED WITH THIS PUMP. CHECK FOR
		405550	PAN AND CRANK CLEARANCE.
		10555C	RACING APPLICATIONS ONLY. (MELLING PATENT 5,810,571) HI VOLUME PUMP (25% ADDL VOL OF OIL)
			FEATURES: STEEL GEARS; SHAFTS EXTENDED INTO
			COVER FOR SUPPORT. RELIEF VALVE SPRING HAS
			SCREW IN PLUG. INCLUDES [12550] CHROME MOLY
			INTERMEDIATE SHAFT WITH STEEL GUIDE. HAS
			ANTI-CAVITATION GROOVES, EITHER A BOLT ON OR
			PRESS IN SCREEN CAN BE USED WITH THIS PUMP.
			CHECK FOR PAN AND CRANK CLEARANCE.
		10990	(MELLING PATENT 5,810,571) HI VOLUME PUMP (25%
			ADDL VOLUME) FEATURES: SHAFTS EXTENDED INTO
			COVER FOR SUPPORT. RELIEF VALVE HAS SCREW IN
			PLUG. INCLUDES [12550] CHROME MOLY
			INTERMEDIATE SHAFT WITH STEEL GUIDE. INCLUDES
			STOCK SPRING. CHECK FOR PAN AND CRANK
			CLEARANCE.
		10990C	RACING APPLICATIONS ONLY. (MELLING PATENT
			5,810,571) HI VOLUME PUMP (25% ADDL VOL OF OIL)
			FEATURES: SHAFTS EXTENDED INTO COVER FOR
			SUPPORT. RELIEF VALVE HAS SCREW IN PLUG.
			INCLUDES [12550] CHROME MOLY INTERMEDIATE
			SHAFT WITH STEEL GUIDE. HAS ANTI-CAVITATION
			GROOVES. CHECK FOR PAN AND CRANK CLEARANCE.
	Continued on Next Page		

Line	PERFORMANCE - CHEVROLET CARS & TRUCKS (Continued)							
No.	Part Title	Part No.			Description			
9	283 ENG - 1957-67 - 8 Cyl 3 7							
	Oil Pump Screen	12557	NOTE: CLI ALLOWS 3	SCREEN. US EARANCE B 3/16 TO 1/4" FIT YOUR AI 5 PUMP.	ETWEEN TH ADJUSTME	HE BOLTS A NT UP OR D	ND HOLES OWN TO	
		12558	PAN. NOT HOLES AL		NCE BETWE TO 1/4" ADJ	EEN THE BO		
12559 BOLT ON SCREEN. USE WITH 8" DE PAN. NOTE: CLEARANCE BETWEE HOLES ALLOWS 3/16 TO 1/4" ADJUS DOWN TO CUSTOM FIT YOUR APP						H 8" DEEP STOCK TYPE TWEEN THE BOLTS AND ADJUSTMENT UP OR		
		12564	BOLT ON SCREEN. USE WITH 7" DEEP OVAL TRACK PAN. NOTE: MESH IS TO THE RIGHT. NOTE: CLEARANCE BETWEEN THE BOLTS AND THE HOLES ALLOWS 3/16" TO 1/4" ADJUSTMENT UP OR DOWN TO CUSTOM FIT YOUR APPLICATION.					
		12566						
	Oil Pump Drive Shaft	12550	PERFORMANCE TYPE INTERMEDIATE SHAFT. HIGH STRENGTH (150,000 PSI) CHROME MOLY STEEL. IMPROVED SHAFT RETAINER WHICH LOCKS ONTO THE OIL PUMP DRIVE SHAFT					
10	292 ENG - 1964-72 - V6							
	Camshafts Using Mechanical Flat Tappet Lifters		Degrees .050" dur Int. Exh.	Degrees ADV. Dur Int. Exh.	Inches Valve lift Int. Exh.	Degrees Lobe cntr. Int. Exh.	Degrees Separation	
	FULL RACE CAM.	CCR-9		276 268			0	
	Mell Lube	M-10012	PLATES W AND GALL CONTAINE		ACES TO PF	REVENT SC	ORING	
11	4.8-A,C,V (293) ENG - 1999-11	- 8 Cyl 3.78 Bo						
	Mell Lube	M-10012	ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 40Z CONTAINER.					
	Oil Pump	10295	COATING. SCREEN.	D VOLUME. SCREW IN	VALVE. USE	ES 7/8" BOL	T ON	
		10296	VALVE. US OPTIONAL	E 18%. PRC SES 7/8" BO L HI PRESSU NK CLEARAI	LT ON SCRE JRE SPRINC	EEN. INCLU	DES	

Line No.	Part Title	Part No.			Description		
12	302 ENG - 1967-69 - 8 Cyl. 4.00						
	Torque Camshaft				, 	_	
	l'orque oumsnure		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Coparation
	HYD. IMPROVES LOW-MID.	MTC-1	204 214	278 288	.421 .444	107 117	112
	PERF. CHECK FOR COIL BIND.		201 211	270 200		107 117	
	USE [VS-380] SPRING W/						
	INSTALLED HGT. OF 1.72. USE						
	ONLY WITH CARBURETTED						
	ENGINES. CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1000-4500.						
	Camshafts Using Mechanical		Degrees	Degrees	Inches	Degrees	Degrees
	Flat Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	OEM #3927140 CLASS IV. NOT	22400	257 270	304 320	.494 .512	108 116	112
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 3700-7300.						
	CLASS IV. NOT CALIFORNIA	22402	240 250	282 290	.521 .521	104 108	106
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE 2700-6200.						
	CLASS IV. NOT CALIFORNIA	22404	258 266	290 298	.538 .556	99 111	105
	COMPLIANT. NOT COMPUTER	22404	200 200	290 290	.000 .000	99 111	105
	COMPATIBLE. POWER RANGE						
	3700-7300.						
·	OEM # 3849346 CLASS IV. NOT	22410	254 254	294 294	.484 .484	110 118	114
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 3600-7200.						
	OEM # 3965754 CLASS IV. NOT	22450	262 273	309 318	.512 .536	108 116	112
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 3600-7200.						
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
		0 (00 D	Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	CLASS II. NOT CALIFORNIA	C-400-P	223 223	290 290	.447 .447	110 118	114
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE 2100-5600.						
	USE ONLY IN 1987 & OLDER S.B.	22107	208 208	280 280	.408 .408	107 113	110
	CHEVY ENG EQUIPPED WITH	22101	200 200	200 200	.+00 .+00	107 113	
	CARBURETTED 267-350 CID V8.						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATBLE. POWER RANGE						
	1000-4500.						
1	Continued on Next Page						

Line							Continued)
No.	Part Title	Part No.			Description		
12	302 ENG - 1967-69 - 8 Cyl. 4.00	Bore (SPECIAL	ENGINE F	OR CAMA	RO)		
	Camshafts Using Hydraulic Flat Tappet Lifters		Degrees .050" dur Int. Exh.	Degrees ADV. Dur Int. Exh.	Inches Valve lift Int. Exh.	Degrees Lobe cntr. Int. Exh.	Degrees Separation
	USE ONLY IN 1987 & OLDER S.B. CHEVY ENG EQUIPPED WITH CARBURETTED 267-350 CID V8.	22108	184 194	260 270	.367 .398	104 104	104
	CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE IDLE-4000.						
	USE ONLY IN 1987 & OLDER S.B. CHEVY ENG EQUIPPED WITH CARBURETTED 267-350 CID V8. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE IDLE-4000.	22109	194 204	270 278	.398 .421	104 104	104
	USE ONLY IN 1987 & OLDER S.B. CHEVY ENG EQUIPPED WITH CARBURETTED 267-350 CID V8. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1400-4900.	22114	208 208	280 280	.420 .420	106 116	111
	USE ONLY IN 1987 & OLDER S.B. CHEVY ENG EQUIPPED WITH CARBURETTED 267-350 CID V8. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1500-5000.	22115	209 216	283 286	.435 .455	107 117	112
	USE ONLY IN 1987 & OLDER S.B. CHEVY ENG EQUIPPED WITH CARBURETTED 267-350 CID V8. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1250-4750.	22126	194 214	268 288	.398 .441	107 117	112
	OEM# 3863151. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2100-5600.	22200	223 223	290 290	.447 .447	110 118	114
	USE ONLY IN 1987 & OLDER S.B. CHEVY ENG EQUIPPED WITH CARBURETTED 267-350 CID V8. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5200.	22203	214 224	288 298	.444 .466	107 117	112
	OEM# 3896962 CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2200-5800.	22210	224 224	291 287	.450 .460	114 114	114
	Continued on Next Page						

Line No.	Part Title	Part No.			Description		
12	302 ENG - 1967-69 - 8 Cyl. 4.00						
12	Camshafts Using Hydraulic Flat				, 	_	_
	Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	USE ONLY IN 1987 & OLDER S.B.	22213	214 214	287 287	.444 .444	107 117	112
	CHEVY ENG EQUIPPED WITH						
	CARBURETTED 267-350 CID V8.						
	CLASS II. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1700-5200.						
	USE ONLY IN 1987 & OLDER S.B.	22215	218 218	295 295	.429 .429	108 112	110
	CHEVY ENG EQUIPPED WITH						
	CARBURETTED 267-350 CID V8.						
	CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2000-5000.						
	CLASS II. NOT CALIFORNIA	22230	214 214	287 287	.444 .444	105 115	110
	COMPLIANT. NOT COMPUTER	0		207 207		100 110	
	COMPATIBLE. POWER RANGE						
	1700-5300.						
	CLASS II. NOT CALIFORNIA	22232	220 231	304 287	.468 .480	106 114	110
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2000-5700.						
	CLASS II. NOT CALIFORNIA	22233	224 224	300 300	.436 .436	107 109	108
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2200-5800.				400 400		
	CLASS II. NOT CALIFORNIA	22234	224 230	283 291	.480 .486	107 113	110
	COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE						
	2000-5500.						
	CLASS II. NOT CALIFORNIA	22235	224 224	224 224	.465 .465	112 112	112
	COMPLIANT. NOT COMPUTER	22200				112 112	112
	COMPATIBLE. POWER RANGE						
	2200-5700.						
	CLASS III. NOT CALIFORNIA	22301	232 232	288 288	.480 .480	106 110	108
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2500-6000.						
	CLASS III. NOT CALIFORNIA	22303	224 234	298 304	.466 .488	107 117	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2200-5700.	00005	004 044	000.010	400 500	107 117	110
	CLASS III. NOT CALIFORNIA	22305	234 244	303 313	.488 .508	107 117	112
	COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE						
	2700-6200.						
	CLASS III. NOT CALIFORNIA	22320	230 230	304 304	.453 .453	112 116	114
	COMPLIANT. NOT COMPUTER		200 200				
	COMPATIBLE. POWER RANGE						
	2500-6000.						
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Line No.	Part Title	Part No.	Description				
12	302 ENG - 1967-69 - 8 Cyl. 4.00		· · · · · · · · · · · · · · · · · · ·				
	Camshafts Using Hydraulic Flat				, 	D	D
	Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Ocparation
	CLASS IV. NOT CALIFORNIA	22401	244 254	313 328	.508 .533	107 117	112
	COMPLIANT. NOT COMPUTER	22-101		010 020			
	COMPATIBLE. POWER RANGE						
	3300-6700.						
	CLASS IV. NOT CALIFORNIA	22460	246 246	302 302	.508 .508	106 112	109
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	3300-6800.						
	Camshafts Using Hydraulic		Degrees	Degrees	Inches	Degrees	Degrees
	Retro-fit Roller Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	FOR USE WITH RETRO-FIT	22135	206 214	265 274	.470 .490	108 116	112
	ROLLER LIFTER [SB817RF16]						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE 1000-4500						
	FOR USE WITH RETRO-FIT	22136	215 230	284 310	.470 .480	106 114	110
	ROLLER LIFTER [SB817RF16]	22150	210 200	204 010	.+70 .+00	100 114	110
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1500-5000						
	FOR USE WITH RETRO-FIT	22237	215 224	284 296	.470 .490	108 116	112
	ROLLER LIFTER [SB817RF16]						
	CLASS II. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
		00000	015 015	004 004	470 470	100 114	110
	FOR USE WITH RETRO-FIT	22238	215 215	284 284	.470 .470	106 114	110
	ROLLER LIFTER [SB817RF16] CLASS II. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1700-5300						
	FOR USE WITH RETRO-FIT	22398	234 238	296 300	.538 .546	107 117	112
	ROLLER LIFTER [SB817RF16]						
	CLASS III. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2500-6000.						
	Mell Lube	M-10012	-	SSEMBLY A			
				.ING DURIN(=B		UANI UP. 4	02
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Part Title	Part No.	Description
302 ENG - 1967-69 - 8 Cyl. 4.00		
Torque Cam Lifter Kit	CL-MTC-1	CLASS I HYD. NOT COMPUTER COMPATIBLE.
		IMPROVES LOW-MID. PERF. USE (VS-380). USE ONLY
		WITH CARBURETTED ENGINES. NOT CALIFORNIA
		COMPLIANT. KIT INCLUDES 1-[MTC-1] CAM, 16-[JB-817]
		LIFTERS & 40Z MELL LUBE. CHECK FOR COIL BIND.
		USE [VS-380] SPRING W/INSTALLED HGT. OF 1.72
Mechanical Flat Tappet Lifters	JB-992	STOCK TYPE REPLACEMENT LIFTER, SPECIAL
		DESIGNED METERING SYSTEM
Hydraulic Flat Tappet Lifters	298174	USE FACTORY SETTING
	298184	ANTI-PUMP UP, SET AT ZERO LASH; MUST BE USED W/
		ADJUSTABLE VALVE TRAIN
Hydraulic Roller Lifters	JB-2079	STOCK TYPE REPLACEMENT LIFTER
Hydraulic Retro-fit Roller Lifters	SB817RF16	RETRO-FIT LIFTER FOR USE W/ RETRO-FIT ROLLER
		CAMSHAFTS [22135], [22136], [22237], [22238], [22398]
Valve Locks	476104	HARDENED 11/32" STEM
Valve Spring with Mechanical	466114	1967-1969 OUTER- USE WITH [22410], [22415], [22400] &
Lifters		[22450] CAMS- MACHINING MAY BE REQUIRED 1.430
		O.D.
	466274	1967-1969 INNER- USE WITH [22410], [22400] & [22450]
		CAMS- MACHINING MAY BE REQUIRED 1.080 O.D.
	466364	1.260 O.D.
Valve Spring with Hydraulic	VS-380	STOCK REPLACEMENT. USE WITH [MTC-1], [22111],
Lifters		[22107], [22108], [22109], [22114] & [22215] CAMS- NOTE:
	10 700	ASM. HEIGHT OF 1.72 (MACHINING MAY BE REQUIRED)
	VS-739	STOCK REPLACEMENT. USE WITH [22303], [22305] &
		[22401] CAMS- NOTE: ASM HEIGHT OF 1.72-
	400004	MACHINING MAY BE REQUIRED CHROME VANADIUM USE WITH [22303], [22305] & [22401] CAMS- NOTE: ASM
	466204	HEIGHT OF 1.72- MACHINING MAY BE REQUIRED
	466354	USE WITH MTC-1, (22110), (22115), (22200), (22210),
	400334	(22213), (22203), (2230), (22301) CAMSHAFTS. NOTE:
		ASM HEIGHT OF 1.72 - MACHINING MAY BE REQUIRED.
Rocker Arms	498404	LONG SLOT
Rocker Arm Stud	MRDS-2920	2.325 OVERALL LENGTH, 3/8" DIAMETER WITH HEX NUT
	MRDS-941	2.560 OVERALL LENGTH, 7/16" DIAMETER WITH HEX
		NUT
Chrome Moly Push Rods	500314	EXC. ROLLER 5/16" DIA. STANDARD LENGTH- HEAT
		TREATED FOR GUIDE PLATES. MAX. SPRING
		PRESSURE 350 LBS.
	500614	EXC. ROLLER 5/16" DIA. + .100 O/S LENGTH-HEAT
		TREATED FOR GUIDE PLATES MAX. SPRING
		PRESSURE 350 LBS.
	500674	EXC. ROLLER 3/8" DIA. MAX. SPRING PRESSURE 350
		LBS.
	501004	EXC. ROLLER 5/16" DIA. STANDARD LENGTH - HEAT
		TREATED FOR GUIDEPLATES (ONE PIECE
		CONSTRUCTION) MAX. SPRING PRESSURE 500 LBS.
	501024	EXC. ROLLER 5/16" DIA. + .150 O/S LENGTH - HEAT
		TREATED FOR GUIDE PLATES. (ONE PIECE
		CONSTRUCTION)
	501034	EXC. ROLLER 5/16" DIA. + .200 O/S LENGTH - HEAT
		TREATED FOR GUIDE PLATES. (ONE PIECE
		CONSTRUCTION)
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Line			RMANCE - CHEVROLET CARS & TRUCKS (Continued)				
No.	Part Title	Part No.	Description				
12							
	Guide Plates	MGP1004	5/16" THICK-MUST BE USED WITH SCREW-IN ROCKER				
		NODIAL					
		MGP1014	3/8" THICK-MUST BE USED WITH SCREW-IN ROCKER				
		MGP1024	ARM STUDS. (FLAT) 3/8" THICK- MUST BE USED WITH SCREW-IN ROCKER				
		MGP 1024	ARM STUDS. (RAISED)				
		MGP1034	5/16" THICK- MUST BE USED WITH SCREW-IN ROCKER				
		Mai 1004	ARM STUDS. (RAISED)				
	Gear Drive Set	48400	NOISY - INCLUDES 8620 CARBURIZED STEEL GEARS,				
			ROLLER CAM BUTTON, LOCK PLATE AND BOLTS.				
			TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODED				
			DOWEL PIN HOLE INSERTS. RECOMMENDED FOR				
			STREET AND STRIP, CLAIMER AND RACING ENGINES				
			UP TO 6,500 RPM.				
		48400Q	QUIET - INCLUDES 8620 CARBURIZED STEEL GEARS,				
			ROLLER CAM BUTTON, LOCK PLATE AND BOLTS.				
			TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODED				
			DOWEL PIN HOLE INSERTS. RECOMMENDED FOR				
			STREET AND STRIP, CLAIMER AND RACING ENGINES				
			UP TO 6,500 RPM.				
	3pc Set	40201	EXCLUDES STOCK ROLLER CAM ENGINES. INCLUDES DOUBLE ROLLER CHAIN, CAST IRON CAM SPROCKET				
			& MULTIPLE KEYWAY CRANK SPROCKET.				
-		40400	EXCLUDES STOCK ROLLER CAM ENGINES INCLUDES				
		40400	DOUBLE SEAMLESS SOLID ROLLER CHAIN, CAST IRON				
			CAM SPROCKET & MULTIPLE KEYWAY CRANK				
			SPROCKET				
		40500	EXCLUDES STOCK ROLLER CAM ENGINES INCLUDES				
			SINGLE SEAMLESS SOLID ROLLER CHAIN (.335"				
			ROLLER), CAST IRON CAM SPROCKET & MULTIPLE				
			KEYWAY CRANK SPROCKET.				
		48500T-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE				
			TRACK, HOT ROD AND CLAIMER ENGINES INCLUDES				
			SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),				
			BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK				
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS				
		48500W-9	FIT ROLLER THRUST BEARINGS. RECOMMENDED FOR STREET AND STRIP, CIRCLE				
		4050079	TRACK, HOT ROD AND CLAIMER ENGINES. INCLUDES				
			SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),				
			BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK				
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZE				
			WASHER				
		40520	EXCLUDES STOCK ROLLER CAM ENGINES. RACING				
			APPLICATIONS ONLY INCLUDES 3/8" HY-VO TEC				
			CHAIN, CAM SPROCKET WITH LIGHTENING HOLES &				
			9-MULTIPLE KEYWAY CRANK SPROCKET				
	Oil Pump	M-99HV-S	HI VOL PUMP- MORE VOL AND PRESSURE THAN				
			STOCK PUMP. INCLUDES SCREEN. CHECK FOR PAN				
			AND CRANK CLEARANCE.				
	Continued on Next Page						

Line No.	Part Title	Part No.	Description
12	302 ENG - 1967-69 - 8 Cyl. 4.00		•
	Oil Pump	10050-700CT	(MELLING PATENT 5,810,571) HI VOLUME 25%.
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS. SCREW IN VALVE. OFFSET SCREEN FOR
			7." PAN INTEGRATED INTO PUMP BODY. INCLUDES
			OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT
			AND CHROME MOLY I/S SHAFT. CIRCLE TRACK
			RACING. CHECK FOR PAN AND CRANK CLEARANCE.
		10050-750SS	(MELLING PATENT 5,810,571) HI VOLUME 25%.
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS. SCREW IN VALVE. SCREEN FOR 7.5" PAN
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME
			MOLY I/S SHAFT. STREET AND STRIP. CHECK FOR PAN
			AND CRANK CLEARANCE.
		10050-825SS	(MELLING PATENT 5,810,571) HI VOLUME 25%.
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS. SCREW IN VALVE. SCREEN FOR 8.25" PAN
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME
			MOLY I/S SHAFT. STREET AND STRIP. CHECK FOR PAN
			AND CRANK CLEARANCE.
		10055-700CT	(MELLING PATENT 5,810,571) STANDARD VOLUME.
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS. SCREW IN VALVE. OFFSET SCREEN FOR 7." PAN INTEGRATED INTO PUMP BODY. INCLUDES
			OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT
			AND CHROME MOLY I/S SHAFT. CIRCLE TRACK
			RACING.
		10055-750SS	(MELLING PATENT 5,810,571) STANDARD VOLUME.
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS. SCREW IN VALVE. SCREEN FOR 8.25" PAN
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME
			MOLY I/S SHAFT. STREET AND STRIP.
		10055-825SS	(MELLING PATENT 5,810,571) STANDARD VOLUME.
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS. SCREW IN VALVE. SCREEN FOR 7.5" PAN
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME
			MOLY I/S SHAFT. STREET AND STRIP.
		10550	EXC. CHEVY II HI VOLUME PUMP (25% ADDL VOL OF
			OIL) - FEATURES: STEEL GEARS; INCLUDES I/S SHAFT
			W/STEEL GUIDE. USES 5/8" DIAMETER SCREEN. CHECK FOR PAN AND CRANK CLEARANCE.
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Line		FERFORI	MANCE - CHEVROLET CARS & TRUCKS (Continued)
No.	Part Title	Part No.	Description
12	302 ENG - 1967-69 - 8 Cyl. 4.00	Bore (SPECIAL	,
	Oil Pump	10551	EXC. CHEVY II - 19MM INLET HI VOLUME PUMP (25% ADDL VOL OF OIL) - FEATURES: STEEL GEARS; INCLUDES I/S SHAFT W/STEEL GUIDE. USES 3/4" DIAMETER SCREEN. CHECK FOR PAN AND CRANK CLEARANCE.
		10552	(MELLING PATENT 5,810,571) HI VOLUME PUMP (10% ADDL VOL OF OIL) - FEATURES: STEEL GEARS; SHAFTS EXTENDED INTO COVER FOR SUPPORT. RELIEF VALVE SPRING HAS SCREW IN PLUG. INCLUDES [12550] CHROME MOLY INTERMEDIATE
		10552C	SHAFT WITH STEEL GUIDE. EITHER A BOLT ON OR PRESS IN SCREEN CAN BE USED WITH THIS PUMP. CHECK FOR PAN AND CRANK CLEARANCE. RACING APPLICATIONS ONLY. (MELLING PATENT
		100020	5,810,571) HI VOLUME PUMP (10% ADDL VOL OF OIL) FEATURES: STEEL GEARS; SHAFTS EXTENDED INTO COVER FOR SUPPORT. REFIEF VALVE SPRING HAS SCREW IN PLUG. INCLUDES [12550] CHROME MOLY INTERMEDIATE SHAFT WITH STEEL GUIDE. HAS ANTI-CAVITATION GROOVES. EITHER A BOLT ON OR PRESS IN SCREEN CAN BE USED WITH THIS PUMP. CHECK FOR PAN AND CRANK CLEARANCE.
		10553	FEATURES STEEL GEARS; STANDARD VOLUME VERSION OF THE 10550 PUMP.
		10554	FEATURES STEEL GEARS; STANDARD VOLUME VERSION OF THE 10551 PUMP.
		10555	(MELLING PATENT 5,810,571) HI VOLUME PUMP (25% ADDL VOL OF OIL) FEATURES: STEEL GEARS; SHAFTS EXTENDED INTO COVER FOR SUPPORT. RELIEF VALVE SPRING HAS SCREW IN PLUG. INCLUDES [12550] CHROME MOLY INTERMEDIATE SHAFT WITH STEEL GUIDE. EITHER A BOLT ON OR PRESS IN SCREEN CAN BE USED WITH THIS PUMP. CHECK FOR PAN AND CRANK CLEARANCE.
		10555C	RACING APPLICATIONS ONLY. (MELLING PATENT 5,810,571) HI VOLUME PUMP (25% ADDL VOL OF OIL) FEATURES: STEEL GEARS; SHAFTS EXTENDED INTO COVER FOR SUPPORT. RELIEF VALVE SPRING HAS SCREW IN PLUG. INCLUDES [12550] CHROME MOLY INTERMEDIATE SHAFT WITH STEEL GUIDE. HAS ANTI-CAVITATION GROOVES. EITHER A BOLT ON OR PRESS IN SCREEN CAN BE USED WITH THIS PUMP. CHECK FOR PAN AND CRANK CLEARANCE.
		10990	(MELLING PATENT 5,810,571) HI VOLUME PUMP (25% ADDL VOLUME) FEATURES: SHAFTS EXTENDED INTO COVER FOR SUPPORT. RELIEF VALVE HAS SCREW IN PLUG. INCLUDES [12550] CHROME MOLY INTERMEDIATE SHAFT WITH STEEL GUIDE. INCLUDES STOCK SPRING. CHECK FOR PAN AND CRANK CLEARANCE.
	Continued on Next Page		

Line No.	Part Title	Part No.	Description					
12	302 ENG - 1967-69 - 8 Cyl. 4.00							
	Oil Pump	10990C			NS ONLY. (M		TENT	
		105500			E PUMP (25%			
			,				,	
					LVE HAS S			
					ROME MOL	-		
					UIDE. HAS			
			-		OR PAN AND	-	-	
	Oil Pump Screen	12557			SE W/7" DEE			
	On Fullip Screen	12557			ETWEEN TH			
			ALLOWS 3/16 TO 1/4" ADJUSTMENT UP OR DO CUSTOM FIT YOUR APPLICATION. BOLT ON S FOR 10555 PUMP.					
		12558			SE WITH 7 1			
		12556						
			-	-	TO 1/4" ADJ	-	-	
					IT YOUR AP		-	
		12559			SE WITH 8" I			
		12559			NCE BETWE			
					TO 1/4" ADJ			
							-	
		12564				PPLICATION. DEEP OVAL TRACK		
		12304		HT. NOTE:				
			-			TS AND THE HOLES		
							DOWN TO	
		12566	CUSTOM FIT YOUR APPLICATION. BOLT ON SCREEN. USE WITH 7 1/2" DEEP OVAL TRACK					
		12300			TO THE RIG		AL THACK	
			-		EN THE BOL	-		
			-	-		-		
					PPLICATION			
	Oil Pump Drive Shaft	12550						
	On Pump Drive Shart	12550			PSI) CHROM			
				•	TAINER WH			
			_	UMP DRIVE			ONIO	
10					SHALL			
13	305 ENG - 1976-93 - 8 Cyl 3.7	4 Bore (INCLUL		(5)				
	Torque Camshaft		Degrees	Degrees	Inches	Degrees	Degrees	
			.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation	
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.		
	1982-1987 HYD. IMPROVES	MTC-1	204 214	278 288	.421 .444	107 117	112	
	LOW-MID. PERF. CHECK FOR							
	COIL BIND. USE [VS-380]							
	SPRING W/INSTALLED HGT. OF							
	1.72. USE ONLY WITH							
	CARBURETTED ENGINES.							
	CLASS I. NOT CALIFORNIA							
	COMPLIANT. NOT COMPUTER							
	COMPATIBLE. POWER RANGE							
	1000-4500.							
	Continued on Next Page							

Line No.	Part Title	Part No.			Description		
13	305 ENG - 1976-93 - 8 Cyl 3.7		DES TRUCH		•		
	Camshafts Using Mechanical				linghag	Desman	Deerroop
	Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	1982-1987 OEM #3927140 CLASS	22400	257 270	304 320	.494 .512	108 116	112
	IV. NOT CALIFORNIA	22100	207 270	001 020		100 110	
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	3700-7300.						
	1982-1987 CLASS IV. NOT	22402	240 250	282 290	.521 .521	104 108	106
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2700-6200.						
	1982-1987 CLASS IV. NOT	22404	258 266	290 298	.538 .556	99 111	105
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 3700-7300.						
	1982-1987 OEM #3849346 CLASS	22410	254 254	294 294	.484 .484	110 118	114
	IV. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	3600-7200.						
	1982-1987 OEM #3965754.	22450	262 273	309 318	.512 .536	108 116	112
	CLASS IV. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	3600-7200.						
	Camshafts Using Hydraulic Flat Tappet Lifters		Degrees	Degrees	Inches	Degrees	Degrees
	Tapper Liners		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
		C-400-P	Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	114
	1982-1987 CLASS II. NOT	C-400-P	223 223	290 290	.447 .447	110 118	114
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE. POWER RANGE 2100-5600.						
	1982-1987 USE ONLY IN 1987 &	22107	208 208	280 280	.408 .408	107 113	110
	OLDER S.B. CHEVY ENG	22107	200 200	200 200	.400 .400	107 115	110
	EQUIPPED WITH						
	CARBURETTED 267-350 CID V8.						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATBLE. POWER RANGE						
	1000-4500.						
	1982-1987 USE ONLY IN 1987 &	22108	184 194	260 270	.367 .398	104 104	104
	OLDER S.B. CHEVY ENG						
	EQUIPPED WITH						
	CARBURETTED 267-350 CID V8.						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	IDLE-4000.						
	Continued on Next Page						

Line No.	Part Title	Part No.			Description		
13	305 ENG - 1976-93 - 8 Cyl 3.7				Description		
13							
	Camshafts Using Hydraulic Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	1982-1987 USE ONLY IN 1987 &	22109	194 204	270 278	.398 .421	104 104	104
	OLDER S.B. CHEVY ENG						
	EQUIPPED WITH						
	CARBURETTED 267-350 CID V8.						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	IDLE-4000.				000 404		
	1987-1993 CLASS I. NOT	22111	194 204	270 278	.398 .421	107 117	112
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE. POWER RANGE IDLE-4000.						
	1982-1987 USE ONLY IN 1987 &	22114	208 208	280 280	.420 .420	106 116	111
	OLDER S.B. CHEVY ENG	22114	200 200	200 200	.+20 .+20	100 110	
	EQUIPPED WITH						
	CARBURETTED 267-350 CID V8.						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1400-4900.						
	1982-1987 USE ONLY IN 1987 &	22115	209 216	283 286	.435 .455	107 117	112
	OLDER S.B. CHEVY ENG						
	CARBURETTED 267-350 CID V8. CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1500-5000.						
	1982-1987 USE ONLY IN 1987 &	22126	194 214	268 288	.398 .441	107 117	112
	OLDER S.B. CHEVY ENG						
	EQUIPPED WITH						
	CARBURETTED 267-350 CID V8.						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1250-4750. 1982-1987 OEM# 3863151.	22200	223 223	290 290	.447 .447	110 118	114
	CLASS II. NOT CALIFORNIA	22200	223 223	290 290	.447 .447	110 110	114
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2100-5600.						
	1982-1987 USE ONLY IN 1987 &	22203	214 224	288 298	.444 .466	107 117	112
	OLDER S.B. CHEVY ENG						
	EQUIPPED WITH						
	CARBURETTED 267-350 CID V8.						
	CLASS II. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE 1700-5200.						
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Line No.	Part Title	Part No.			Description		
13	305 ENG - 1976-93 - 8 Cyl 3.7	4 Bore (INCLUE	DES TRUCH	(S)			
	Camshafts Using Hydraulic Flat	•	Degrees	Degrees	Inches	Degrees	Degrees
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	1982-1987 OEM# 3896962 CLASS	22210	224 224	291 287	.450 .460	114 114	114
	II. NOT CALIFORNIA	-					
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2200-5800.						
	1982-1987 USE ONLY IN 1987 &	22213	214 214	287 287	.444 .444	107 117	112
	OLDER S.B. CHEVY ENG						
	EQUIPPED WITH						
	CARBURETTED 267-350 CID V8.						
	CLASS II. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1700-5200.						
	1982-1987 USE ONLY IN 1987 &	22215	218 218	295 295	.429 .429	108 112	110
	OLDER S.B. CHEVY ENG						
	EQUIPPED WITH						
	CARBURETTED 267-350 CID V8.						
	CLASS II. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2000-5000.						
	1982-1987 CLASS II. NOT	22230	214 214	287 287	.444 .444	105 115	110
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1700-5300.			004 007	400 400		
	1982-1987 CLASS II. NOT	22232	220 231	304 287	.468 .480	106 114	110
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2000-5700.		004 004	000 000	400 400	107 100	100
	1982-1987 CLASS II. NOT	22233	224 224	300 300	.436 .436	107 109	108
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
·	POWER RANGE 2200-5800.	00004	224 220	202 201	190 196	107 113	110
	1982-1987 CLASS II. NOT CALIFORNIA COMPLIANT. NOT	22234	224 230	283 291	.480 .486	107 113	
	COMPUTER COMPATIBLE.						
	POWER RANGE 2000-5500.						
	1982-1987 CLASS II. NOT	22235	224 224	224 224	.465 .465	112 112	112
	CALIFORNIA COMPLIANT. NOT	0			.100 .400		
	COMPUTER COMPATIBLE.						
	POWER RANGE 2200-5700.						
	1982-1987 CLASS III. NOT	22301	232 232	288 288	.480 .480	106 110	108
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2500-6000.						
	1982-1987 CLASS III. NOT	22303	224 234	298 304	.466 .488	107 117	112
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2200-5700.						
	Continued on Next Page						
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Line No.	Part Title	Part No.			Description		
					Description		
13	305 ENG - 1976-93 - 8 Cyl 3.7	4 DORE (INCLUL		(3)			
	Camshafts Using Hydraulic Flat Tappet Lifters		Degrees	Degrees	Inches	Degrees	Degrees
	rapper Liners		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
		00005	Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	110
	1982-1987 CLASS III. NOT	22305	234 244	303 313	.488 .508	107 117	112
	CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE.						
	POWER RANGE 2700-6200.						
	1982-1987 CLASS III. NOT	22320	230 230	304 304	.453 .453	112 116	114
	CALIFORNIA COMPLIANT. NOT	22320	230 230	304 304	.433 .433	112 110	114
	COMPUTER COMPATIBLE.						
	POWER RANGE 2500-6000.						
	1982-1987 CLASS IV. NOT	22401	244 254	313 328	.508 .533	107 117	112
	CALIFORNIA COMPLIANT. NOT	22.101	211 201	010 020	.000 .000	107 117	
	COMPUTER COMPATIBLE.						
	POWER RANGE 3300-6700.						
	1982-1987 CLASS IV. NOT	22460	246 246	302 302	.508 .508	106 112	109
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 3300-6800.						
	Camshafts Using Hydraulic		Degrees	Degrees	Inches	Degrees	Degrees
	Roller Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	1987-1993 CLASS I. NOT	22129	198 210	273 288	.434 .462	108 116	112
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE IDLE-4500.						
	1987-1993 CLASS I. NOT	22131	207 214	271 280	.410 .427	117 117	117
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1000-4500.						
	1987-1987 305 ONLY. CLASS I.	22221	197 206	261 276	.433 .450	105 114	109
	NOT CALIFORNIA COMPLIANT.						
	NOT COMPUTER COMPATIBLE.						
	POWER RANGE IDLE-4500. 1987-1993 CLASS II. NOT	22298	000 000	007 007	470 501	109 119	114
	CALIFORNIA COMPLIANT. NOT	22290	222 232	297 307	.478 .501	109 119	114
	COMPUTER COMPATIBLE.						
	POWER RANGE 2000-5500.						
·	1987-1993 CLASS III. NOT	22397	234 238	296 300	.538 .546	107 117	112
	CALIFORNIA COMPLIANT. NOT	22007	201 200	200 000	.000 .010	107 117	
	COMPUTER COMPATIBLE.						
	POWER RANGE 2500-6200.						
	Camshafts Using Hydraulic		Degrees	Degrees	Inches	Degrees	Degrees
	Retro-fit Roller Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	FOR USE WITH RETRO-FIT	22135	206 214	265 274	.470 .490	108 116	112
	ROLLER LIFTERS [SB817RF16]						
	AND [SB079RF16] CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1000-4500						
	Continued on Next Page						

Line No.	Part Title	Part No.			Description				
13	305 ENG - 1976-93 - 8 Cyl 3.7		DES TRUCI		•				
	Camshafts Using Hydraulic	· · ·	Degrees	Degrees	Inches	Degrees	Degrees		
	Retro-fit Roller Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation		
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.			
	FOR USE WITH RETRO-FIT	22136	215 230	284 310	.470 .480	106 114	110		
	ROLLER LIFTERS [SB817RF16]								
	AND [SB079RF16] CLASS I. NOT								
	CALIFORNIA COMPLIANT. NOT								
	COMPUTER COMPATIBLE.								
	POWER RANGE 1500-5000								
	FOR USE WITH RETRO-FIT	22237	215 224	284 296	.470 .490	108 116	112		
	ROLLER LIFTERS [SB817RF16]								
	AND [SB079RF16] CLASS II. NOT								
	CALIFORNIA COMPLIANT. NOT								
	COMPUTER COMPATIBLE.								
	POWER RANGE 1700-5200								
	FOR USE WITH RETRO-FIT	22238	215 215	284 284	.470 .470	106 114	110		
	ROLLER LIFTERS [SB817RF16]								
	AND [SB079RF16] CLASS II. NOT								
	CALIFORNIA COMPLIANT. NOT								
	COMPUTER COMPATIBLE.								
	POWER RANGE 1700-5300	00000	004 000	000.000	500 540	107 117	112		
	FOR USE WITH RETRO-FIT	22398	234 238	296 300	.538 .546	107 117	112		
	ROLLER LIFTERS [SB817RF16] AND [SB079RF16] CLASS III.								
	NOT CALIFORNIA COMPLIANT.								
	NOT COMPUTER COMPATIBLE.								
	POWER RANGE 2500-6000.								
	Mell Lube	M-10012	ENGINE A	SSEMBLY A	Y AND BREAK-IN LUBRICANT.				
					ACES TO PF				
			_		G ENGINE S				
			CONTAINE	ER.					
	Torque Cam Lifter Kit	CL-MTC-1	1982-1987	CLASS I HY	D. NOT COI	MPUTER			
			COMPATIE	BLE. IMPRO	VES LOW-M	ID PERF. U	SE		
					VITH CARBL				
					MPLIANT. KI				
				-	ERS & 4OZ I				
					[VS-380] SPI	RING W/INS	TALLED		
			HGT. OF 1						
	Mechanical Flat Tappet Lifters	JB-992			PE REPLACE		⊏H,		
	Hydraulic Flat Tappet Lifters	298174			ORY SETTING				
	nyuraune nat rappet Linters	298184			P UP, SET A		SH: MUST		
		200104							
	Hydraulic Roller Lifters	JB-2079			PE REPLACE		ER		
	Hydraulic Retro-fit Roller Lifters	SB079RF16			LIFTER FO				
	• • • • • • • • • • • • • • • • • • • •				22135], [221				
			[22398]	•					
		SB817RF16	1976-1985	RETRO-FIT	LIFTER FO	R USE W/ R	ETRO-FIT		
			ROLLER C	AMSHAFTS	[22238], [22	398]			
	Valve Locks	476104	1982-1987	HARDENED) 11/32" STE	М			
	Valve Spring with Mechanical	466114			SE WITH [224				
	Lifters			MS- MACHI	NING MAY E	BE REQUIRE	ED 1.430		
			O.D.						
	Continued on Next Page								

e	Part Title	Part No.	Description
}	305 ENG - 1976-93 - 8 Cyl 3		
	Valve Spring with Mechanical	466274	1982-1987 INNER- USE WITH [22410], [22400] & [22450]
	Lifters		CAMS- MACHINING MAY BE REQUIRED 1.080 O.D.
F		466364	1982-1987 1.260 O.D.
ľ	Valve Spring with Hydraulic	VS-380	1982-1987 STOCK REPLACEMENT. USE WITH [MTC-1],
	Lifters		[22111], [22107], [22108], [22109], [22114] & [22215]
			CAMS- NOTE: ASM. HEIGHT OF 1.72 (MACHINING MAY
			BE REQUIRED)
		VS-739	1982-1987 STOCK REPLACEMENT. USE WITH [22303],
			[22305] & [22401] CAMS- NOTE: ASM HEIGHT OF 1.72-
ļ			MACHINING MAY BE REQUIRED CHROME VANADIUM
		466204	1982-1987 USE WITH [22303], [22305] & [22401] CAMS-
			NOTE: ASM HEIGHT OF 1.72- MACHINING MAY BE
ļ			
		466354	1982-1987 USE WITH MTC-1, (22110), (22115), (22200),
			(22210), (22213), (22203), (22320), (22301) CAMSHAFTS.
			NOTE: ASM HEIGHT OF 1.72 - MACHINING MAY BE
+	Deeker Arme	498404	REQUIRED. 1982-1987 LONG SLOT
┝	Rocker Arms Rocker Arm Stud	MRDS-2920	1982-1987 2.325 OVERALL LENGTH, 3/8" DIAMETER
		MIND 3-2920	WITH HEX NUT
╞		MRDS-941	1982-1987 2.560 OVERALL LENGTH, 7/16" DIAMETER
			WITH HEX NUT
F	Chrome Moly Push Rods	500314	1982-1987 EXC. ROLLER 5/16" DIA. STANDARD
	2		LENGTH- HEAT TREATED FOR GUIDE PLATES. MAX.
			SPRING PRESSURE 350 LBS.
Γ		500614	1982-1987 EXC. ROLLER 5/16" DIA. + .100 O/S
			LENGTH-HEAT TREATED FOR GUIDE PLATES MAX.
			SPRING PRESSURE 350 LBS.
		500674	1982-1987 EXC. ROLLER 3/8" DIA. MAX. SPRING
			PRESSURE 350 LBS.
		501004	1982-1987 EXC. ROLLER 5/16" DIA. STANDARD LENGTH
			- HEAT TREATED FOR GUIDEPLATES (ONE PIECE
-		501004	CONSTRUCTION) MAX. SPRING PRESSURE 500 LBS. 1982-1987 EXC. ROLLER 5/16" DIA. + .150 O/S LENGTH -
		501024	HEAT TREATED FOR GUIDE PLATES. (ONE PIECE
			CONSTRUCTION)
F		501034	1982-1987 EXC. ROLLER 5/16" DIA. + .200 O/S LENGTH ·
		001004	HEAT TREATED FOR GUIDE PLATES. (ONE PIECE
			CONSTRUCTION)
F	Guide Plates	MGP1004	1982-1987 5/16" THICK-MUST BE USED WITH
			SCREW-IN ROCKER ARM STUDS. (FLAT)
Ī		MGP1014	1982-1987 3/8" THICK-MUST BE USED WITH SCREW-IN
			ROCKER ARM STUDS. (FLAT)
		MGP1024	1982-1987 3/8" THICK- MUST BE USED WITH SCREW-IN
			ROCKER ARM STUDS. (RAISED)
		MGP1034	1982-1987 5/16" THICK- MUST BE USED WITH
ļ		SCREW-IN ROCKER ARM STUDS. (RAISED)
	Gear Drive Set	48400	1984-1988 NOISY - INCLUDES 8620 CARBURIZED STEE
			GEARS, ROLLER CAM BUTTON, LOCK PLATE AND
			BOLTS. TIMING ADJUSTED WITH 5 OPTIONAL COLOR
			CODED DOWEL PIN HOLE INSERTS. RECOMMENDED
			FOR STREET AND STRIP, CLAIMER AND RACING ENGINES TO 6,500 RPM. CAR APPLICATIONS ONLY

Line			RMANCE - CHEVROLET CARS & TRUCKS (Continued)
No.	Part Title	Part No.	Description
13	305 ENG - 1976-93 - 8 Cyl	3.74 Bore (INCLU	IDES TRUCKS)
	Gear Drive Set	48400	1976-1993 NOISY - INCLUDES 8620 CARBURIZED STEEL
			GEARS, ROLLER CAM BUTTON, LOCK PLATE AND
			BOLTS. TIMING ADJUSTED WITH 5 OPTIONAL COLOR
			CODED DOWEL PIN HOLE INSERTS. RECOMMENDED
			FOR STREET AND STRIP, CLAIMER AND RACING
			ENGINES TO 6,500 RPM. TRUCK APPLICATIONS ONLY
		48400Q	1976-1993 QUIET - INCLUDES 8620 CARBURIZED STEEL
			GEARS, ROLLER CAM BUTTON, LOCK PLATE AND
			BOLTS. TIMING ADJUSTED WITH 5 OPTIONAL COLOR
			CODED DOWEL PIN HOLE INSERTS. RECOMMENDED
			FOR STREET AND STRIP, CLAIMER AND RACING
			ENGINES TO 6,500 RPM. TRUCK APPLICATIONS ONLY
		48400Q	1984-1988 QUIET - INCLUDES 8620 CARBURIZED STEEL
			GEARS, ROLLER CAM BUTTON, LOCK PLATE AND
			BOLTS. TIMING ADJUSTED WITH 5 OPTIONAL COLOR
			CODED DOWEL PIN HOLE INSERTS. RECOMMENDED
			FOR STREET AND STRIP, CLAIMER AND RACING
		40450	ENGINES UP TO 6,500 RPM. CAR APPLICATIONS ONLY.
		48450	1987-1993 INCLUDES 8620 CARBURIZED STEEL
			GEARS, ROLLER CAMBUTTON, LOCK PLATE AND
			BOLTS, ADJUSTED W/5 COLOR CODED DOWEL PIN
			HOLE INSERTS. RECOMMENDED FOR STREET AND STRIP, CLAIMER AND RACING ENGINES UP TO 6,500
			RPM. CAR APPLICATIONS ONLY
	3pc Set	40201	1982-1987 EXCLUDING STOCK ROLLER CAM ENGINES,
	Spc Sec	40201	CARS AND TRUCKS INCLUDES DOUBLE ROLLER
			CHAIN, CAST IRON CAM SPROCKET & MULTIPLE
			KEYWAY CRANK SPROCKET.
		40400	1982-1987 EXCLUDING STOCK ROLLER CAM ENGINES,
		10100	CARS AND TRUCKS INCLUDES DOUBLE SEAMLESS
			SOLID ROLLER CHAIN, CAST IRON CAM SPROCKET &
			MULTIPLE KEYWAY CRANK SPROCKET
		40500	1982-1987 EXCLUDING STOCK ROLLER CAM ENGINES,
			CARS AND TRUCKS INCLUDES SINGLE SEAMLESS
			SOLID ROLLER CHAIN (.335" ROLLER), CAST IRON CAM
			SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET.
		48500T-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE
			TRACK, HOT ROD AND CLAIMER ENGINES. EXC. VIN E
			AND CA EMISSIONS. INCLUDES SEAMLESS DOUBLE
			ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM
			SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/
			-4° CAM ADJUSTMENT. PRESS FIT ROLLER THRUST
			BEARINGS.
		48500W-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE
			TRACK, HOT ROD AND CLAIMER ENGINES. EXCLUDES
			VIN E AND CA EMISSIONS INCLUDES SEAMLESS
			DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL
			CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH
			+4°/-4° CAM ADJUSTMENT. BRONZE WASHER
	Continued on Next Page		

Line No.	Part Title	Part No.	Description
13	305 ENG - 1976-93 - 8 Cyl 3.7		
	3pc Set	40520	1982-1987 EXCLUDING STOCK ROLLER CAM ENGINES.
	Spc Sec	40320	RACING APPLICATIONS ONLY. CARS AND TRUCKS
			INCLUDES 3/8" HY-VO TEC CHAIN, CAM SPROCKET
			WITH LIGHTENING HOLES & 9-MULTIPLE KEYWAY
			CRANK SPROCKET
	Oil Pump	M-99HV-S	1982-1987 HI VOL PUMP- MORE VOL AND PRESSURE
			THAN STOCK PUMP. INCLUDES SCREEN. CHECK FOR
			PAN AND CRANK CLEARANCE.
		10050-700CT	1982-1987 (MELLING PATENT 5,810,571) HI VOLUME
			25%. MULTIPLE PRESSURE SETTINGS. ALUMINUM
			BILLET. HEAVY DUTY SHAFT SUPPORT AND
			PROTECTIVE COATINGS. SCREW IN VALVE. OFFSET
			SCREEN FOR 7." PAN INTEGRATED INTO PUMP BODY.
			INCLUDES OPTIONAL RELIEF SPRINGS, STUD
			MOUNTING KIT AND CHROME MOLY I/S SHAFT. CIRCLE
			TRACK RACING. CHECK FOR PAN AND CRANK
			CLEARANCE.
		10050-750SS	1982-1987 (MELLING PATENT 5,810,571) HI VOLUME
			25%. MULTIPLE PRESSURE SETTINGS. ALUMINUM
			BILLET. HEAVY DUTY SHAFT SUPPORT AND
			PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN
			FOR 7.5" PAN INTEGRATED INTO PUMP BODY.
			INCLUDES OPTIONAL RELIEF SPRINGS, STUD
			MOUNTING KIT AND CHROME MOLY I/S SHAFT.
			STREET AND STRIP. CHECK FOR PAN AND CRANK CLEARANCE.
		10050-825SS	1982-1987 (MELLING PATENT 5,810,571) HI VOLUME
		10030-02333	25%. MULTIPLE PRESSURE SETTINGS. ALUMINUM
			BILLET, HEAVY DUTY SHAFT SUPPORT AND
			PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN
			FOR 8.25" PAN INTEGRATED INTO PUMP BODY.
			INCLUDES OPTIONAL RELIEF SPRINGS, STUD
			MOUNTING KIT AND CHROME MOLY I/S SHAFT.
			STREET AND STRIP. CHECK FOR PAN AND CRANK
			CLEARANCE.
		10055-700CT	1982-1987 (MELLING PATENT 5,810,571) STANDARD
			VOLUME. MULTIPLE PRESSURE SETTINGS. ALUMINUM
			BILLET. HEAVY DUTY SHAFT SUPPORT AND
			PROTECTIVE COATINGS. SCREW IN VALVE. OFFSET
			SCREEN FOR 7." PAN INTEGRATED INTO PUMP BODY.
			INCLUDES OPTIONAL RELIEF SPRINGS, STUD
			MOUNTING KIT AND CHROME MOLY I/S SHAFT. CIRCLE
		10055-750SS	TRACK RACING. 1982-1987 (MELLING PATENT 5,810,571) STANDARD
		10055-75055	VOLUME. MULTIPLE PRESSURE SETTINGS. ALUMINUM
			BILLET. HEAVY DUTY SHAFT SUPPORT AND
			PROTECTIVE COATINGS, SCREW IN VALVE, SCREEN
			FOR 8.25" PAN INTEGRATED INTO PUMP BODY.
			INCLUDES OPTIONAL RELIEF SPRINGS, STUD
			MOUNTING KIT AND CHROME MOLY I/S SHAFT.
			STREET AND STRIP.
	Continued on Next Page		
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Line No.	Part Title	Part No.	Description
13	305 ENG - 1976-93 - 8 Cyl 3.7	4 Bore (INCLU	· · · ·
	Oil Pump	10055-825SS	1982-1987 (MELLING PATENT 5,810,571) STANDARD
			VOLUME. MULTIPLE PRESSURE SETTINGS. ALUMINUM
			BILLET. HEAVY DUTY SHAFT SUPPORT AND
			PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN
			FOR 7.5" PAN INTEGRATED INTO PUMP BODY.
			INCLUDES OPTIONAL RELIEF SPRINGS, STUD
			MOUNTING KIT AND CHROME MOLY I/S SHAFT.
			STREET AND STRIP.
		10550	1982-1987 EXC CHEVY II HI VOLUME PUMP (25% ADDL
			VOL OF OIL) - FEATURES: STEEL GEARS; INCLUDES I/S
			SHAFT W/STEEL GUIDE. USES 5/8" DIAMETER
			SCREEN. CHECK FOR PAN AND CRANK CLEARANCE.
		10551	1982-1987 EXC CHEVY II - 19MM INLET HI VOLUME
			PUMP (25% ADDL VOL OF OIL) - FEATURES: STEEL
			GEARS; INCLUDES I/S SHAFT W/STEEL GUIDE. USES 3/
			4" DIAMETER SCREEN. CHECK FOR PAN AND CRANK CLEARANCE.
		10552	1982-1987 (MELLING PATENT 5,810,571) HI VOLUME
		10552	PUMP (10% ADDL VOL OF OIL) - FEATURES: STEEL
			GEARS; SHAFTS EXTENDED INTO COVER FOR
			SUPPORT. RELIEF VALVE SPRING HAS SCREW IN
			PLUG. INCLUDES [12550] CHROME MOLY
			INTERMEDIATE SHAFT WITH STEEL GUIDE. EITHER A
			BOLT ON OR PRESS IN SCREEN CAN BE USED WITH
			THIS PUMP. CHECK FOR PAN AND CRANK CLEARANCE.
		10552C	1982-1987 RACING APPLICATIONS ONLY. (MELLING
			PATENT 5,810,571) HI VOLUME PUMP (10% ADDL VOL
			OF OIL) FEATURES: STEEL GEARS; SHAFTS
			EXTENDED INTO COVER FOR SUPPORT. REFIEF
			VALVE SPRING HAS SCREW IN PLUG. INCLUDES
			[12550] CHROME MOLY INTERMEDIATE SHAFT WITH
			STEEL GUIDE. HAS ANTI-CAVITATION GROOVES.
			EITHER A BOLT ON OR PRESS IN SCREEN CAN BE
			USED WITH THIS PUMP. CHECK FOR PAN AND CRANK
		10553	1982-1987 FEATURES STEEL GEARS; STANDARD
		40554	VOLUME VERSION OF THE 10550 PUMP.
		10554	1982-1987 FEATURES STEEL GEARS; STANDARD VOLUME VERSION OF THE 10551 PUMP.
		10555	1982-1987 (MELLING PATENT 5,810,571) HI VOLUME
		10555	PUMP (25% ADDL VOL OF OIL) FEATURES: STEEL
			GEARS; SHAFTS EXTENDED INTO COVER FOR
			SUPPORT. RELIEF VALVE SPRING HAS SCREW IN
			PLUG. INCLUDES [12550] CHROME MOLY
			INTERMEDIATE SHAFT WITH STEEL GUIDE. EITHER A
			BOLT ON OR PRESS IN SCREEN CAN BE USED WITH
			THIS PUMP. CHECK FOR PAN AND CRANK CLEARANCE.
	Continued on Next Page		

Line No.	Part Title	Part No.	Description
13	305 ENG - 1976-93 - 8 Cyl 3.7		
	Oil Pump	10555C	1982-1987 RACING APPLICATIONS ONLY. (MELLING
			PATENT 5,810,571) HI VOLUME PUMP (25% ADDL VOL
			OF OIL) FEATURES: STEEL GEARS; SHAFTS
			EXTENDED INTO COVER FOR SUPPORT. RELIEF
			VALVE SPRING HAS SCREW IN PLUG. INCLUDES
			[12550] CHROME MOLY INTERMEDIATE SHAFT WITH
			STEEL GUIDE. HAS ANTI-CAVITATION GROOVES.
			EITHER A BOLT ON OR PRESS IN SCREEN CAN BE
			USED WITH THIS PUMP. CHECK FOR PAN AND CRANK
			CLEARANCE.
		10990	1982-1987 (MELLING PATENT 5,810,571) HI VOLUME
			PUMP (25% ADDL VOLUME) FEATURES: SHAFTS
			EXTENDED INTO COVER FOR SUPPORT. RELIEF
			VALVE HAS SCREW IN PLUG. INCLUDES [12550]
			CHROME MOLY INTERMEDIATE SHAFT WITH STEEL
			GUIDE. INCLUDES STOCK SPRING. CHECK FOR PAN
			AND CRANK CLEARANCE.
		10990C	1982-1987 RACING APPLICATIONS ONLY. (MELLING
			PATENT 5,810,571) HI VOLUME PUMP (25% ADDL VOL
			OF OIL) FEATURES: SHAFTS EXTENDED INTO COVER
			FOR SUPPORT. RELIEF VALVE HAS SCREW IN PLUG.
			INCLUDES [12550] CHROME MOLY INTERMEDIATE
			SHAFT WITH STEEL GUIDE. HAS ANTI-CAVITATION
	011 0	40557	GROOVES. CHECK FOR PAN AND CRANK CLEARANCE.
	Oil Pump Screen	12557	1982-1987 BOLT ON SCREEN. USE W/7" DEEP STOCK TYPE PAN. NOTE: CLEARANCE BETWEEN THE BOLTS
			AND HOLES ALLOWS 3/16 TO 1/4" ADJUSTMENT UP OR
			DOWN TO CUSTOM FIT YOUR APPLICATION. BOLT ON
			SCREEN FOR 10555 PUMP.
		12558	1982-1987 BOLT ON SCREEN. USE WITH 7 1/2" DEEP
		12000	STOCK TYPE PAN. NOTE: CLEARANCE BETWEEN THE
			BOLTS AND HOLES ALLOWS 3/16 TO 1/4" ADJUSTMENT
			UP OR DOWN TO CUSTOM FIT YOUR APPLICATION.
		12559	1982-1987 BOLT ON SCREEN. USE WITH 8" DEEP
			STOCK TYPE PAN. NOTE: CLEARANCE BETWEEN THE
			BOLTS AND HOLES ALLOWS 3/16 TO 1/4" ADJUSTMENT
			UP OR DOWN TO CUSTOM FIT YOUR APPLICATION.
		12564	1982-1987 BOLT ON SCREEN. USE WITH 7" DEEP OVAL
			TRACK PAN. NOTE: MESH IS TO THE RIGHT. NOTE:
			CLEARANCE BETWEEN THE BOLTS AND THE HOLES
			ALLOWS 3/16" TO 1/4" ADJUSTMENT UP OR DOWN TO
		40500	CUSTOM FIT YOUR APPLICATION.
		12566	1982-1987 BOLT ON SCREEN. USE WITH 7 1/2" DEEP
			OVAL TRACK PAN. NOTE: MESH IS TO THE RIGHT. NOTE: CLEARANCE BETWEEN THE BOLTS AND THE
			HOLES ALLOWS 3/16" TO 1/4" ADJUSTMENT UP OR
	Oil Rump Drive Sheft	12550	DOWN TO CUSTOM FIT YOUR APPLICATION. 1982-1987 PERFORMANCE TYPE INTERMEDIATE
	Oil Pump Drive Shaft	12550	
			SHAFT. HIGH STRENGTH (150,000 PSI) CHROME MOLY STEEL. IMPROVED SHAFT RETAINER WHICH LOCKS
			ONTO THE OIL PUMP DRIVE SHAFT

F F C C F C C C C C C C C C C C C C C C	307 ENG - 1968-73 - 8 Cyl 3 7 Forque Camshaft HYD. IMPROVES LOW-MID. PERF. CHECK FOR COIL BIND. JSE [VS-380] SPRING W/ NSTALLED HGT. OF 1.72. USE ONLY WITH CARBURETTED ENGINES. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1000-4500. Camshafts Using Mechanical Flat Tappet Lifters DEM #3927140 CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPLIANT. NOT COMPUTER COMPLIANT. NOT COMPUTER COMPLIANT. NOT COMPUTER COMPATIBLE.	/8 Bore (INCLU MTC-1 22400	Degrees .050" dur Int. Exh. 204 214 Degrees .050" dur		Description Inches Valve lift Int. Exh. .421 .444	Degrees Lobe cntr. Int. Exh. 107 117	Degrees Separation 112
T F U U U U U U C C C C C C C C C C C C C	Forque Camshaft HYD. IMPROVES LOW-MID. PERF. CHECK FOR COIL BIND. JSE [VS-380] SPRING W/ NSTALLED HGT. OF 1.72. USE DNLY WITH CARBURETTED ENGINES. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1000-4500. Camshafts Using Mechanical Flat Tappet Lifters DEM #3927140 CLASS IV. NOT CALIFORNIA COMPLIANT. NOT	MTC-1	Degrees .050" dur Int. Exh. 204 214 Degrees .050" dur	Degrees ADV. Dur Int. Exh. 278 288 Degrees	Valve lift Int. Exh. .421 .444	Lobe cntr. Int. Exh. 107 117	Separation 112
F L C E C C F F C C C C C C C C C C C C C C	PERF. CHECK FOR COIL BIND. JSE [VS-380] SPRING W/ NSTALLED HGT. OF 1.72. USE DNLY WITH CARBURETTED ENGINES. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1000-4500. Camshafts Using Mechanical Flat Tappet Lifters DEM #3927140 CLASS IV. NOT CALIFORNIA COMPLIANT. NOT		.050" dur Int. Exh. 204 214 Degrees .050" dur	ADV. Dur Int. Exh. 278 288 Degrees	Valve lift Int. Exh. .421 .444	Lobe cntr. Int. Exh. 107 117	Separation 112
F U E C C F C C C C C C C C C C C C C C C C	PERF. CHECK FOR COIL BIND. JSE [VS-380] SPRING W/ NSTALLED HGT. OF 1.72. USE DNLY WITH CARBURETTED ENGINES. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1000-4500. Camshafts Using Mechanical Flat Tappet Lifters DEM #3927140 CLASS IV. NOT CALIFORNIA COMPLIANT. NOT		204 214 Degrees .050" dur	278 288 Degrees	.421 .444	107 117	
F U U E C C F C C C C C C C C C C C C C C C C	PERF. CHECK FOR COIL BIND. JSE [VS-380] SPRING W/ NSTALLED HGT. OF 1.72. USE DNLY WITH CARBURETTED ENGINES. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1000-4500. Camshafts Using Mechanical Flat Tappet Lifters DEM #3927140 CLASS IV. NOT CALIFORNIA COMPLIANT. NOT		Degrees .050" dur	Degrees			
L 	USE [VS-380] SPRING W/ NSTALLED HGT. OF 1.72. USE ONLY WITH CARBURETTED ENGINES. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1000-4500. Camshafts Using Mechanical Flat Tappet Lifters DEM #3927140 CLASS IV. NOT CALIFORNIA COMPLIANT. NOT	22400	.050" dur	Degrees	Inches	Decree	Decret
 	NSTALLED HGT. OF 1.72. USE ONLY WITH CARBURETTED ENGINES. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1000-4500. Camshafts Using Mechanical Flat Tappet Lifters DEM #3927140 CLASS IV. NOT CALIFORNIA COMPLIANT. NOT	22400	.050" dur	Degrees	Inches	Decree	Decret
C E C F F C C F C C C C C C C C C C C C	ONLY WITH CARBURETTED ENGINES. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1000-4500. Camshafts Using Mechanical Flat Tappet Lifters DEM #3927140 CLASS IV. NOT CALIFORNIA COMPLIANT. NOT	22400	.050" dur	Degrees	Inches	Decree	Decret
E () () () () () () () () () () () () ()	ENGINES. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1000-4500. Camshafts Using Mechanical Flat Tappet Lifters DEM #3927140 CLASS IV. NOT CALIFORNIA COMPLIANT. NOT	22400	.050" dur	Degrees	Inches	Desires	Decus
C F C F C C C C C C C C C C C C C C C C	CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1000-4500. Camshafts Using Mechanical Flat Tappet Lifters DEM #3927140 CLASS IV. NOT CALIFORNIA COMPLIANT. NOT	22400	.050" dur	Degrees	Inches	Desires	Decus
C F C F C C C C C C C C C C C C C C C C	COMPUTER COMPATIBLE. POWER RANGE 1000-4500. Camshafts Using Mechanical Flat Tappet Lifters DEM #3927140 CLASS IV. NOT CALIFORNIA COMPLIANT. NOT	22400	.050" dur	Degrees	Inches	Desires	Deguard
F C F C C	POWER RANGE 1000-4500. Camshafts Using Mechanical Flat Tappet Lifters DEM #3927140 CLASS IV. NOT CALIFORNIA COMPLIANT. NOT	22400	.050" dur	Degrees	Inches	Desman	Desire
C F C	Camshafts Using Mechanical Flat Tappet Lifters DEM #3927140 CLASS IV. NOT CALIFORNIA COMPLIANT. NOT	22400	.050" dur	Degrees	Inches	Desman	Desire
F	Flat Tappet Lifters DEM #3927140 CLASS IV. NOT CALIFORNIA COMPLIANT. NOT	22400	.050" dur	Degrees	Inches	Deswaaa	Deerses
	DEM #3927140 CLASS IV. NOT CALIFORNIA COMPLIANT. NOT	22400				Degrees	Degrees
C	CALIFORNIA COMPLIANT. NOT	22400			Valve lift	Lobe cntr.	Separation
C	CALIFORNIA COMPLIANT. NOT	22400	Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
			257 270	304 320	.494 .512	108 116	112
	COMPUTER COMPATIBLE.						
	POWER RANGE 3700-7300. CLASS IV. NOT CALIFORNIA	00400	040.050	282 290		104 108	106
	COMPLIANT. NOT COMPUTER	22402	240 250	282 290	.521 .521	104 108	106
	COMPATIBLE. POWER RANGE						
	2700-6200.						
	CLASS IV. NOT CALIFORNIA	22404	258 266	290 298	.538 .556	99 111	105
	COMPLIANT. NOT COMPUTER	22404	200 200	200 200	.000 .000	00 111	100
	COMPATIBLE. POWER RANGE						
	3700-7300.						
	DEM #3849346 CLASS IV. NOT	22410	254 254	294 294	.484 .484	110 118	114
0	CALIFORNIA COMPLIANT. NOT						
0	COMPUTER COMPATIBLE.						
F	POWER RANGE 3600-7200.						
0	DEM #3965754. CLASS IV. NOT	22450	262 273	309 318	.512 .536	108 116	112
0	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 3600-7200.						
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees
Т	Гарреt Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	CLASS II. NOT CALIFORNIA	С-400-Р	223 223	290 290	.447 .447	110 118	114
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2100-5600.	00407		000.000	400 400	107 110	110
	JSE ONLY IN 1987 & OLDER S.B.	22107	208 208	280 280	.408 .408	107 113	110
	CARBURETTED 267-350 CID V8.						
	CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER						
	COMPLIANT: NOT COMPUTER						
	1000-4500.						
	Continued on Next Page						

Line No.	Part Title	Part No.			Description		
14	307 ENG - 1968-73 - 8 Cyl 3 7		DES TRUC				
	Camshafts Using Hydraulic Flat			-		5	
	Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Copulation
	USE ONLY IN 1987 & OLDER S.B.	22108	184 194	260 270	.367 .398	104 104	104
	CHEVY ENG EQUIPPED WITH	22100	104 104	200 210	.007 .000	104 104	104
	CARBURETTED 267-350 CID V8.						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	IDLE-4000.						
	USE ONLY IN 1987 AND OLDER	22109	194 204	270 278	.398 .421	104 104	104
	S.B. CHEVY ENG EQUIPPED						
	WITH CARBURETTED 267-350						
	CID V8. CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE IDLE-4000.						
	USE ONLY IN 1987 AND OLDER	22114	208 208	280 280	.420 .420	106 116	111
	S.B. CHEVY ENG EQUIPPED						
	WITH CARBURETTED 267-350						
	CID V8. CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1400-4900.	00115	000.010	000,000	405 455		110
	USE ONLY IN 1987 AND OLDER	22115	209 216	283 286	.435 .455	107 117	112
	S.B. CHEVY ENG EQUIPPED WITH CARBURETTED 267-350						
	CID V8. CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1500-5000.						
	USE ONLY IN 1987 AND OLDER	22126	194 214	268 288	.398 .441	107 117	112
	S.B. CHEVY ENG EQUIPPED			200 200		107 117	
	WITH CARBURETTED 267-350						
	CID V8. CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1250-4750.						
	OEM# 3863151. CLASS II. NOT	22200	223 223	290 290	.447 .447	110 118	114
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2100-5600.						
	USE ONLY IN 1987 AND OLDER	22203	214 224	288 298	.444 .466	107 117	112
	S.B. CHEVY ENG EQUIPPED						
	WITH CARBURETTED 267-350						
	CID V8. CLASS II. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1700-5200.	00010	004 004	001 007	450 105		
	OEM# 3896962 CLASS II. NOT	22210	224 224	291 287	.450 .460	114 114	114
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2200-5800.						
	Continued on Next Page						

Line No.	Part Title	Part No.			Description		
14	307 ENG - 1968-73 - 8 Cyl 3 7/8 Bore (INCLUDES TRUCKS)						
	Camshafts Using Hydraulic Flat				lun alt	Dearrait	Deers
	Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	USE ONLY IN 1987 AND OLDER	22213	214 214	287 287	.444 .444	107 117	112
	S.B. CHEVY ENG EQUIPPED						
	WITH CARBURETTED 267-350						
	CID V8. CLASS II. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1700-5200.						
	USE ONLY IN 1987 AND OLDER	22215	218 218	295 295	.429 .429	108 112	110
	S.B. CHEVY ENG EQUIPPED						
	WITH CARBURETTED 267-350						
	CID V8. CLASS II. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE. POWER RANGE 2000-5000.						
	CLASS II. NOT CALIFORNIA	22230	214 214	287 287	.444 .444	105 115	110
	COMPLIANT. NOT COMPUTER	0		207 207		100 110	110
	COMPATIBLE. POWER RANGE						
	1700-5300.						
	CLASS II. NOT CALIFORNIA	22232	220 231	304 287	.468 .480	106 114	110
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2000-5700.						
	CLASS II. NOT CALIFORNIA	22233	224 224	300 300	.436 .436	107 109	108
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2200-5800. CLASS II. NOT CALIFORNIA	22234	224 230	283 291	.480 .486	107 113	110
	COMPLIANT. NOT COMPUTER	22234	224 230	203 291	.400 .400	107 113	110
	COMPATIBLE. POWER RANGE						
	2000-5500.						
	CLASS II. NOT CALIFORNIA	22235	224 224	224 224	.465 .465	112 112	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2200-5700.						
	CLASS III. NOT CALIFORNIA	22301	232 232	288 288	.480 .480	106 110	108
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2500-6000.		004 004	000.004	400 400	107 117	440
	CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER	22303	224 234	298 304	.466 .488	107 117	112
	COMPATIBLE. POWER RANGE						
	2200-5700.						
	CLASS III. NOT CALIFORNIA	22305	234 244	303 313	.488 .508	107 117	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2700-6200.						
	CLASS III. NOT CALIFORNIA	22320	230 230	304 304	.453 .453	112 116	114
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2500-6000.						
	Continued on Next Page						

Line			-		-		
No.	Part Title	Part No.			Description		
14	307 ENG - 1968-73 - 8 Cyl 3 7	78 Bore (INCLU		-			
	Camshafts Using Hydraulic Flat Tappet Lifters		Degrees .050" dur	Degrees	Inches	Degrees	Degrees
	rapper Linters			ADV. Dur	Valve lift	Lobe cntr.	Separation
		00401	Int. Exh.	Int. Exh. 313 328	Int. Exh. .508 .533	Int. Exh. 107 117	112
	CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER	22401	244 254	313 320	.508 .533	107 117	112
	COMPATIBLE. POWER RANGE						
	3300-6700.						
	CLASS IV. NOT CALIFORNIA	22460	246 246	302 302	.508 .508	106 112	109
	COMPLIANT. NOT COMPUTER	22100	210 210	002 002		100 112	100
	COMPATIBLE. POWER RANGE						
	3300-6800.						
	Camshafts Using Hydraulic		Degrees	Degrees	Inches	Degrees	Degrees
	Retro-fit Roller Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	FOR USE WITH RETRO-FIT	22135	206 214	265 274	.470 .490	108 116	112
	ROLLER LIFTER [SB817RF16]						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1000-4500						
	FOR USE WITH RETRO-FIT	22136	215 230	284 310	.470 .480	106 114	110
	ROLLER LIFTER [SB817RF16]						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1500-5000						
	FOR USE WITH RETRO-FIT	22237	215 224	284 296	.470 .490	108 116	112
	ROLLER LIFTER [SB817RF16]						
	CLASS II. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE 1700-5200						
	FOR USE WITH RETRO-FIT	22238	215 215	284 284	.470 .470	106 114	110
	ROLLER LIFTER [SB817RF16]	22230	215 215	204 204	.470 .470	100 114	110
	CLASS II. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1700-5300						
	FOR USE WITH RETRO-FIT	22398	234 238	296 300	.538 .546	107 117	112
	ROLLER LIFTER [SB817RF16]						
	CLASS III. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2500-6000.						
	Mell Lube	M-10012			ND BREAK-		
			_		ACES TO PF		
					G ENGINE S	TART UP. 4	OZ
			CONTAINE	ER.			
	Continued on Next Page						

Line			MANCE - CHEVROLET CARS & TRUCKS (Continued)
No.	Part Title	Part No.	Description
14	307 ENG - 1968-73 - 8 Cyl 3 7	· · · · · · · · · · · · · · · · · · ·	,
	Torque Cam Lifter Kit	CL-MTC-1	CLASS I HYD. NOT COMPUTER COMPATIBLE. IMPROVES LOW-MID. PERF. USE (VS-380). USE ONLY
			WITH CARBURETTED ENGINES. NOT CALIFORNIA
			COMPLIANT. KIT INCLUDES 1-[MTC-1] CAM, 16-[JB-817]
			LIFTERS & 40Z MELL LUBE. CHECK FOR COIL BIND.
	Machania al Elet Tana et l'Atana		USE [VS-380] SPRING W/INSTALLED HGT. OF 1.72
	Mechanical Flat Tappet Lifters	JB-992	STOCK TYPE REPLACEMENT LIFTER, SPECIAL DESIGNED METERING SYSTEM
	Hydraulic Flat Tappet Lifters	298174	USE FACTORY SETTING
	· · ·	298184	ANTI-PUMP UP, SET AT ZERO LASH; MUST BE USED W/
			ADJUSTABLE VALVE TRAIN
	Hydraulic Roller Lifters	JB-2079	STOCK TYPE REPLACEMENT LIFTER
	Hydraulic Retro-fit Roller Lifters	SB817RF16	RETRO-FIT LIFTER FOR USE W/ RETRO-FIT ROLLER
			CAMSHAFTS [22135], [22136], [22237], [22238], [22398]
	Valve Locks	476104	HARDENED 11/32" STEM
	Valve Spring with Mechanical	466114	OUTER- USE WITH [22410], [22415], [22400] & [22450]
	Lifters		CAMS- MACHINING MAY BE REQUIRED 1.430 O.D.
		466274	INNER- USE WITH [22410], [22400] & [22450] CAMS-
			MACHINING MAY BE REQUIRED 1.080 O.D.
		466364	
	Valve Spring with Hydraulic	VS-380	STOCK REPLACEMENT. USE WITH [MTC-1], [22111],
	Lifters		[22107], [22108], [22109], [22114] & [22215] CAMS- NOTE:
		VS-739	ASM. HEIGHT OF 1.72 (MACHINING MAY BE REQUIRED) STOCK REPLACEMENT. USE WITH [22303], [22305] &
		V3-739	[22401] CAMS- NOTE: ASM HEIGHT OF 1.72-
			MACHINING MAY BE REQUIRED CHROME VANADIUM
		466204	USE WITH [22303], [22305] & [22401] CAMS- NOTE: ASM
		400204	HEIGHT OF 1.72- MACHINING MAY BE REQUIRED
		466354	USE WITH MTC-1, (22110), (22115), (22200), (22210),
			(22213), (22203), (22320), (22301) CAMSHAFTS. NOTE:
			ASM HEIGHT OF 1.72 - MACHINING MAY BE REQUIRED.
	Rocker Arms	498404	LONG SLOT
	Rocker Arm Stud	MRDS-2920	2.325 OVERALL LENGTH, 3/8" DIAMETER WITH HEX NUT
		MRDS-941	2.560 OVERALL LENGTH, 7/16" DIAMETER WITH HEX NUT
	Chrome Moly Push Rods	500314	EXC. ROLLER 5/16" DIA. STANDARD LENGTH- HEAT
	Chrome Moly Fush hous	500314	TREATED FOR GUIDE PLATES. MAX. SPRING
			PRESSURE 350 LBS.
		500614	EXC. ROLLER 5/16" DIA. + .100 O/S LENGTH-HEAT
			TREATED FOR GUIDE PLATES MAX. SPRING
			PRESSURE 350 LBS.
		500674	EXC. ROLLER 3/8" DIA. MAX. SPRING PRESSURE 350
			LBS.
		501004	EXC. ROLLER 5/16" DIA. STANDARD LENGTH - HEAT
			TREATED FOR GUIDEPLATES (ONE PIECE
			CONSTRUCTION) MAX. SPRING PRESSURE 500 LBS.
		501024	EXC. ROLLER 5/16" DIA. + .150 O/S LENGTH - HEAT
			TREATED FOR GUIDE PLATES. (ONE PIECE
			CONSTRUCTION)
		501034	EXC. ROLLER 5/16" DIA. + .200 O/S LENGTH - HEAT
			TREATED FOR GUIDE PLATES. (ONE PIECE
			CONSTRUCTION)
	Continued on Next Page		

Line No.	Part Title	Part No.	Description
14	307 ENG - 1968-73 - 8 Cyl 3 7		
	Guide Plates	MGP1004	5/16" THICK-MUST BE USED WITH SCREW-IN ROCKER
			ARM STUDS. (FLAT)
		MGP1014	3/8" THICK-MUST BE USED WITH SCREW-IN ROCKER
			ARM STUDS. (FLAT)
		MGP1024	3/8" THICK- MUST BE USED WITH SCREW-IN ROCKER
			ARM STUDS. (RAISED)
		MGP1034	5/16" THICK- MUST BE USED WITH SCREW-IN ROCKER
			ARM STUDS. (RAISED)
	Gear Drive Set	48400	NOISY - INCLUDES 8620 CARBURIZED STEEL GEARS,
			ROLLER CAM BUTTON, LOCK PLATE AND BOLTS.
			TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODED
			DOWEL PIN HOLE INSERTS. RECOMMENDED FOR
			STREET AND STRIP, CLAIMER AND RACING ENGINES TO 6,500 RPM. CAR APPLICATIONS ONLY
		48400Q	QUIET - INCLUDES 8620 CARBURIZED STEEL GEARS,
		404000	ROLLER CAM BUTTON, LOCK PLATE AND BOLTS.
			TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODED
			DOWEL PIN HOLE INSERTS. RECOMMENDED FOR
			STREET AND STRIP, CLAIMER AND RACING ENGINES
			TO 6,500 RPM.
		48450	INCLUDES 8620 CARBURIZED STEEL GEARS, ROLLER
			CAMBUTTON, LOCK PLATE AND BOLTS, ADJUSTED W/
			5 COLOR CODED DOWEL PIN HOLE INSERTS.
			RECOMMENDED FOR STREET AND STRIP, CLAIMER
			AND RACING ENGINES UP TO 6,500 RPM. TRUCK
			APPLICATIONS ONLY
	3pc Set	40201	EXCLUDING STOCK ROLLER CAM ENGINES INCLUDES
-		40400	& MULTIPLE KEYWAY CRANK SPROCKET. EXCLUDING STOCK ROLLER CAM ENGINES INCLUDES
		40400	DOUBLE SEAMLESS SOLID ROLLER CHAIN, CAST IRON
			CAM SPROCKET & MULTIPLE KEYWAY CRANK
			SPROCKET
-		40500	EXCLUDING STOCK ROLLER CAM ENGINES INCLUDES
			SINGLE SEAMLESS SOLID ROLLER CHAIN (.335"
			ROLLER), CAST IRON CAM SPROCKET & MULTIPLE
			KEYWAY CRANK SPROCKET.
		48500T-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE
			TRACK, HOT ROD AND CLAIMER ENGINES. INCLUDES
			SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),
			BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS
		48500W-9	FIT ROLLER THRUST BEARINGS. RECOMMENDED FOR STREET AND STRIP, CIRCLE
		4050070-5	TRACK, HOT ROD AND CLAIMER ENGINES. INCLUDES
			SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),
			BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZE
			WASHER
ł		40520	EXCLUDING STOCK ROLLER CAM ENGINES. RACING
			APPLICATIONS ONLY. INCLUDES 3/8" HY-VO TEC
			CHAIN, CAM SPROCKET WITH LIGHTENING HOLES &
			9-MULTIPLE KEYWAY CRANK SPROCKET
ĺ	Continued on Next Page		

Line No.	Part Title	Part No.	Description
14	307 ENG - 1968-73 - 8 Cyl 3		
	Oil Pump	M-99HV-S	HI VOL PUMP- MORE VOL AND PRESSURE THAN
			STOCK PUMP. INCLUDES SCREEN. CHECK FOR PAN
			AND CRANK CLEARANCE.
		10050-700CT	(MELLING PATENT 5,810,571) HI VOLUME 25%.
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS, SCREW IN VALVE, OFFSET SCREEN FOR
			7." PAN INTEGRATED INTO PUMP BODY. INCLUDES
			OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT
			AND CHROME MOLY I/S SHAFT. CIRCLE TRACK
			RACING. CHECK FOR PAN AND CRANK CLEARANCE.
		10050-750SS	(MELLING PATENT 5,810,571) HI VOLUME 25%.
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS. SCREW IN VALVE. SCREEN FOR 7.5" PAN
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME
			MOLY I/S SHAFT. STREET AND STRIP. CHECK FOR PAN
			AND CRANK CLEARANCE.
		10050-825SS	(MELLING PATENT 5,810,571) HI VOLUME 25%.
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS. SCREW IN VALVE. SCREEN FOR 8.25" PAN
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME
			MOLY I/S SHAFT. STREET AND STRIP. CHECK FOR PAN
			AND CRANK CLEARANCE.
		10055-700CT	(MELLING PATENT 5,810,571) STANDARD VOLUME.
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS. SCREW IN VALVE. OFFSET SCREEN FOR
			7." PAN INTEGRATED INTO PUMP BODY. INCLUDES
			OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT
			AND CHROME MOLY I/S SHAFT. CIRCLE TRACK
			RACING.
		10055-750SS	(MELLING PATENT 5,810,571) STANDARD VOLUME.
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS. SCREW IN VALVE. SCREEN FOR 8.25" PAN
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME
			MOLY I/S SHAFT. STREET AND STRIP.
		10055-825SS	(MELLING PATENT 5,810,571) STANDARD VOLUME.
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS. SCREW IN VALVE. SCREEN FOR 7.5" PAN
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME
			MOLY I/S SHAFT. STREET AND STRIP.
		10550	EXC. CHEVY II HI VOLUME PUMP (25% ADDL VOL OF
			OIL) - FEATURES: STEEL GEARS; INCLUDES I/S SHAFT
			W/STEEL GUIDE. USES 5/8" DIAMETER SCREEN.
			CHECK FOR PAN AND CRANK CLEARANCE.
	Continued on Next Page		

Line No.	Part Title	Part No.	Description
14	307 ENG - 1968-73 - 8 Cyl 3 7		· · · ·
	Oil Pump	10551	EXC. CHEVY II - 19MM INLET HI VOLUME PUMP (25%
			ADDL VOL OF OIL) - FEATURES: STEEL GEARS;
			INCLUDES I/S SHAFT W/STEEL GUIDE. USES 3/4"
			DIAMETER SCREEN. CHECK FOR PAN AND CRANK
			CLEARANCE.
		10552	(MELLING PATENT 5,810,571) HI VOLUME PUMP (10%
			ADDL VOL OF OIL) - FEATURES: STEEL GEARS;
			SHAFTS EXTENDED INTO COVER FOR SUPPORT.
			RELIEF VALVE SPRING HAS SCREW IN PLUG.
			INCLUDES [12550] CHROME MOLY INTERMEDIATE
			SHAFT WITH STEEL GUIDE. EITHER A BOLT ON OR
			PRESS IN SCREEN CAN BE USED WITH THIS PUMP.
			CHECK FOR PAN AND CRANK CLEARANCE.
		10552C	RACING APPLICATIONS ONLY. (MELLING PATENT
			5,810,571) HI VOLUME PUMP (10% ADDL VOL OF OIL)
			FEATURES: STEEL GEARS; SHAFTS EXTENDED INTO
			COVER FOR SUPPORT. REFIEF VALVE SPRING HAS
			SCREW IN PLUG. INCLUDES [12550] CHROME MOLY
			INTERMEDIATE SHAFT WITH STEEL GUIDE. HAS
			ANTI-CAVITATION GROOVES. EITHER A BOLT ON OR
			PRESS IN SCREEN CAN BE USED WITH THIS PUMP.
			CHECK FOR PAN AND CRANK CLEARANCE.
		10553	FEATURES STEEL GEARS; STANDARD VOLUME
		10554	VERSION OF THE 10550 PUMP.
		10554	FEATURES STEEL GEARS; STANDARD VOLUME VERSION OF THE 10551 PUMP.
		10555	(MELLING PATENT 5,810,571) HI VOLUME PUMP (25%
		10555	ADDL VOL OF OIL) FEATURES: STEEL GEARS; SHAFTS
			EXTENDED INTO COVER FOR SUPPORT. RELIEF
			VALVE SPRING HAS SCREW IN PLUG. INCLUDES
			[12550] CHROME MOLY INTERMEDIATE SHAFT WITH
			STEEL GUIDE. EITHER A BOLT ON OR PRESS IN
			SCREEN CAN BE USED WITH THIS PUMP. CHECK FOR
			PAN AND CRANK CLEARANCE.
		10555C	RACING APPLICATIONS ONLY. (MELLING PATENT
			5,810,571) HI VOLUME PUMP (25% ADDL VOL OF OIL)
			FEATURES: STEEL GEARS; SHAFTS EXTENDED INTO
			COVER FOR SUPPORT. RELIEF VALVE SPRING HAS
			SCREW IN PLUG. INCLUDES [12550] CHROME MOLY
			INTERMEDIATE SHAFT WITH STEEL GUIDE. HAS
			ANTI-CAVITATION GROOVES. EITHER A BOLT ON OR
			PRESS IN SCREEN CAN BE USED WITH THIS PUMP.
		40000	
		10990	(MELLING PATENT 5,810,571) HI VOLUME PUMP (25%
			ADDL VOLUME) FEATURES: SHAFTS EXTENDED INTO
			COVER FOR SUPPORT. RELIEF VALVE HAS SCREW IN PLUG. INCLUDES [12550] CHROME MOLY
			INTERMEDIATE SHAFT WITH STEEL GUIDE. INCLUDES
			STOCK SPRING. CHECK FOR PAN AND CRANK
			CLEARANCE.
	Continued on Next Page		
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Line		PENFUN	MANCE - CHEVROLET CARS & TRUCKS (Continued)
No.	Part Title	Part No.	Description
14	307 ENG - 1968-73 - 8 Cyl 3 7	/8 Bore (INCLU	DES TRUCKS)
	Oil Pump	10990C	RACING APPLICATIONS ONLY. (MELLING PATENT 5,810,571) HI VOLUME PUMP (25% ADDL VOL OF OIL) FEATURES: SHAFTS EXTENDED INTO COVER FOR SUPPORT. RELIEF VALVE HAS SCREW IN PLUG.
			INCLUDES [12550] CHROME MOLY INTERMEDIATE SHAFT WITH STEEL GUIDE. HAS ANTI-CAVITATION GROOVES. CHECK FOR PAN AND CRANK CLEARANCE.
	Oil Pump Screen	12557	BOLT ON SCREEN. USE W/7" DEEP STOCK TYPE PAN. NOTE: CLEARANCE BETWEEN THE BOLTS AND HOLES ALLOWS 3/16 TO 1/4" ADJUSTMENT UP OR DOWN TO CUSTOM FIT YOUR APPLICATION. BOLT ON SCREEN FOR 10555 PUMP.
		12558	BOLT ON SCREEN. USE WITH 7 1/2" DEEP STOCK TYPE PAN. NOTE: CLEARANCE BETWEEN THE BOLTS AND HOLES ALLOWS 3/16 TO 1/4" ADJUSTMENT UP OR DOWN TO CUSTOM FIT YOUR APPLICATION.
		12559	BOLT ON SCREEN. USE WITH 8" DEEP STOCK TYPE PAN. NOTE: CLEARANCE BETWEEN THE BOLTS AND HOLES ALLOWS 3/16 TO 1/4" ADJUSTMENT UP OR DOWN TO CUSTOM FIT YOUR APPLICATION.
		12564	BOLT ON SCREEN. USE WITH 7" DEEP OVAL TRACK PAN. NOTE: MESH IS TO THE RIGHT. NOTE: CLEARANCE BETWEEN THE BOLTS AND THE HOLES ALLOWS 3/16" TO 1/4" ADJUSTMENT UP OR DOWN TO CUSTOM FIT YOUR APPLICATION.
		12566	BOLT ON SCREEN. USE WITH 7 1/2" DEEP OVAL TRACK PAN. NOTE: MESH IS TO THE RIGHT. NOTE: CLEARANCE BETWEEN THE BOLTS AND THE HOLES ALLOWS 3/16" TO 1/4" ADJUSTMENT UP OR DOWN TO CUSTOM FIT YOUR APPLICATION.
	Oil Pump Drive Shaft	12550	PERFORMANCE TYPE INTERMEDIATE SHAFT. HIGH STRENGTH (150,000 PSI) CHROME MOLY STEEL. IMPROVED SHAFT RETAINER WHICH LOCKS ONTO THE OIL PUMP DRIVE SHAFT
15	5.3-T,Z (325) ENG - 1999-07 - 8	Cyl 3.78 Bore	GEN III LM7, L59
	Mell Lube	M-10012	ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 40Z CONTAINER.
	Oil Pump	10295	STANDARD VOLUME. HI PRESSURE 10%. PROTECTIVE COATING. SCREW IN VALVE. USES 7/8" BOLT ON SCREEN.
		10296	HI VOLUME 18%. PROTECTIVE COATING. SCREW IN VALVE. USES 7/8" BOLT ON SCREEN. INCLUDES OPTIONAL HI PRESSURE SPRING. CHECK FOR PAN AND CRANK CLEARANCE.
16	5.3-O,J,3 (325) OHV ENG - 200		
	Mell Lube	M-10012	ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 40Z CONTAINER.
	Continued on Next Page		

Line No.	Part Title	Part No.			Description		
16	5.3-O,J,3 (325) OHV ENG - 200		Bore GEN I				
	Oil Pump	10355	(AVALANC (33% ADD) VOLUME (HARDCOA COATED (CHE, SUBUR L VOL OF O GEN IV APPI T ANODIZE COVER, ADJ _ SPRING. C	BAN) VIN 3 IL) GEN III A ∟ICATIONS. D BODY, CA USTABLE P	PPLICATIOI FEATURES \ST IRON PI RESSURE \	NS. STD : HOSPHATE W/
17	327 ENG - 1962-69 - 8 Cyl 4.0	0 Bore (INCLU	DES TRUCH	KS 1962-68)		
	Torque Camshaft		Degrees .050" dur Int. Exh.	Degrees ADV. Dur Int. Exh.	Inches Valve lift Int. Exh.	Degrees Lobe cntr. Int. Exh.	Degrees Separation
	HYD. IMPROVES LOW-MID. PERF. CHECK FOR COIL BIND. USE [VS-380] SPRING W/ INSTALLED HGT. OF 1.72. USE ONLY WITH CARBURETTED ENGINES. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1000-4500.	MTC-1	204 214	278 288	.421 .444	107 117	112
	Camshafts Using Mechanical Flat Tappet Lifters		Degrees .050" dur Int. Exh.	Degrees ADV. Dur Int. Exh.	Inches Valve lift Int. Exh.	Degrees Lobe cntr. Int. Exh.	Degrees Separation
	OEM #3927140 CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3700-7300.	22400	257 270	304 320	.494 .512	108 116	112
	CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2700-6200.	22402	240 250	282 290	.521 .521	104 108	106
	CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3700-7300.	22404	258 266	290 298	.538 .556	99 111	105
	OEM #3849346 CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3600-7200.	22410	254 254	294 294	.484 .484	110 118	114
	OEM #3965754. CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3600-7200.	22450	262 273	309 318	.512 .536	108 116	112
	Camshafts Using Hydraulic Flat Tappet Lifters		Degrees .050" dur Int. Exh.	Degrees ADV. Dur Int. Exh.	Inches Valve lift Int. Exh.	Degrees Lobe cntr. Int. Exh.	Degrees Separation
	CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2100-5600.	С-400-Р	223 223	290 290	.447 .447	110 118	114
	Continued on Next Page						

Line No.	Part Title	Part No.			Description		
17	327 ENG - 1962-69 - 8 Cyl 4.0						
	Camshafts Using Hydraulic Flat				Í		1
	Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Separation
	USE ONLY IN 1987 AND OLDER	00107	208 208	280 280	.408 .408	107 113	110
		22107	208 208	260 260	.406 .406	107 113	110
	S.B. CHEVY ENG EQUIPPED WITH CARBURETTED 267-350						
	CID V8. CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATBLE.						
	POWER RANGE 1000-4500. USE ONLY IN 1987 AND OLDER	22109	184 194	260 270	.367 .398	104 104	104
		22108	164 194	260 270	.307 .396	104 104	104
	S.B. CHEVY ENG EQUIPPED						
	WITH CARBURETTED 267-350						
	CID V8. CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE. POWER RANGE IDLE-4000.						
	USE ONLY IN 1987 AND OLDER	00100	194 204	270 278	.398 .421	104 104	104
		22109	194 204	270 278	.398 .421	104 104	104
	S.B. CHEVY ENG EQUIPPED						
	WITH CARBURETTED 267-350						
	CID V8. CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE IDLE-4000.	00111	104 004	070 070	000 401	107 117	112
	USE IN 1987-95 S.B. CHEVY	22111	194 204	270 278	.398 .421	107 117	112
	ENG. CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE						
	IDLE-4000.						
	USE ONLY IN 1987 AND OLDER	00114	208 208	280 280	.420 .420	106 116	111
	S.B. CHEVY ENG EQUIPPED	22114	208 208	260 260	.420 .420	106 116	
	WITH CARBURETTED 267-350						
	CID V8. CLASS I. NOT CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1400-4900.						
	USE ONLY IN 1987 AND OLDER	22115	209 216	283 286	.435 .455	107 117	112
	S.B. CHEVY ENG EQUIPPED	22115	203 210	203 200	.400 .400	107 117	112
	WITH CARBURETTED 267-350						
	CID V8. CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1500-5000.						
	USE ONLY IN 1987 AND OLDER	22126	194 214	268 288	.398 .441	107 117	112
	S.B. CHEVY ENG EQUIPPED		107 217	200 200			112
	WITH CARBURETTED 267-350						
	CID V8. CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1250-4750.						
	Continued on Next Page						
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Line No.	Part Title	Part No.			Description		
17	327 ENG - 1962-69 - 8 Cyl 4.0						
	Camshafts Using Hydraulic Flat						1
	Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches	Degrees	Degrees
			Int. Exh.	Int. Exh.	Valve lift	Lobe cntr. Int. Exh.	Separation
		00000	223 223	290 290	Int. Exh. .447 .447	110 118	114
	OEM# 3863151. CLASS II. NOT	22200	223 223	290 290	.447 .447	110 118	114
	CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE.						
	POWER RANGE 2100-5600.						
	USE ONLY IN 1987 AND OLDER	22203	214 224	288 298	.444 .466	107 117	112
	S.B. CHEVY ENG EQUIPPED	22203	214 224	200 290	.444 .400	107 117	112
	WITH CARBURETTED 267-350						
	CID V8. CLASS II. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1700-5200.						
	OEM# 3896962 CLASS II. NOT	22210	224 224	291 287	.450 .460	114 114	114
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2200-5800.						
	USE ONLY IN 1987 AND OLDER	22213	214 214	287 287	.444 .444	107 117	112
	S.B. CHEVY ENG EQUIPPED					-	
	WITH CARBURETTED 267-350						
	CID V8. CLASS II. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1700-5200.						
	USE ONLY IN 1987 AND OLDER	22215	218 218	295 295	.429 .429	108 112	110
	S.B. CHEVY ENG EQUIPPED						
	WITH CARBURETTED 267-350						
	CID V8. CLASS II. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2000-5000.						
	CLASS II. NOT CALIFORNIA	22230	214 214	287 287	.444 .444	105 115	110
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1700-5300.						
	CLASS II. NOT CALIFORNIA	22232	220 231	304 287	.468 .480	106 114	110
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2000-5700.						
	CLASS II. NOT CALIFORNIA	22233	224 224	300 300	.436 .436	107 109	108
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2200-5800.	00004	004 000	000.001	400 400	107 110	110
	CLASS II. NOT CALIFORNIA	22234	224 230	283 291	.480 .486	107 113	110
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2000-5500. CLASS II. NOT CALIFORNIA	00025	224 224	224 224	.465 .465	112 112	112
	CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER	22235	224 224	224 224	.405 .405	112 112	112
	COMPLIANT: NOT COMPUTER COMPATIBLE. POWER RANGE						
	2200-5700.						
	Continued on Next Page						
	Communication report rage						

Line No.	Part Title	Part No.			Description		
17	327 ENG - 1962-69 - 8 Cyl 4.0						
	Camshafts Using Hydraulic Flat				-	_	
	Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Copulation
	CLASS III. NOT CALIFORNIA	22301	232 232	288 288	.480 .480	106 110	108
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2500-6000.						
	CLASS III. NOT CALIFORNIA	22303	224 234	298 304	.466 .488	107 117	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2200-5700.						
	CLASS III. NOT CALIFORNIA	22305	234 244	303 313	.488 .508	107 117	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2700-6200. CLASS III. NOT CALIFORNIA	22320	230 230	304 304	.453 .453	112 116	114
	COMPLIANT. NOT COMPUTER	22320	230 230	304 304	.455 .455	112 110	114
	COMPATIBLE. POWER RANGE						
	2500-6000.						
	CLASS IV. NOT CALIFORNIA	22401	244 254	313 328	.508 .533	107 117	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	3300-6700.						
	CLASS IV. NOT CALIFORNIA	22460	246 246	302 302	.508 .508	106 112	109
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	3300-6800.						
	Camshafts Using Hydraulic Retro-fit Roller Lifters		Degrees	Degrees	Inches	Degrees	Degrees
	Retro-III Roller Lillers		.050" dur Int. Exh.	ADV. Dur Int. Exh.	Valve lift Int. Exh.	Lobe cntr. Int. Exh.	Separation
	FOR USE WITH RETRO-FIT	22135	206 214	265 274	.470 .490	108 116	112
	ROLLER LIFTER [SB817RF16]	22135	200 214	205 274	.470 .490	100 110	112
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1000-4500						
	FOR USE WITH RETRO-FIT	22136	215 230	284 310	.470 .480	106 114	110
	ROLLER LIFTER [SB817RF16]						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
		00007	015 004	004 000	470 400	100 110	110
	FOR USE WITH RETRO-FIT	22237	215 224	284 296	.470 .490	108 116	112
	ROLLER LIFTER [SB817RF16] CLASS II. NOT CALIFORNIA						
	COMPLIANT. NOT CALIFORNIA						
	COMPATIBLE. POWER RANGE						
	1700-5200						
	Continued on Next Page						
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Line No.	Part Title	Part No.			Description		
17	327 ENG - 1962-69 - 8 Cyl 4.0						
	-						
	Camshafts Using Hydraulic Retro-fit Roller Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	FOR USE WITH RETRO-FIT ROLLER LIFTER {SB817RF16] CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5300	22238	215 215	284 284	.470 .470	106 114	110
	FOR USE WITH RETRO-FIT ROLLER LIFTER [SB817RF16] CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2500-6000.	22398	234 238	296 300	.538 .546	107 117	112
	Mell Lube	M-10012	ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING				
			CONTAINE				
	Torque Cam Lifter Kit	CL-MTC-1	CLASSIH	YD. NOT CO	MPUTER C	OMPATIBLE	
			IMPROVES LOW-MID PERF. USE (VS-380). USE ONLY WITH CARBURETTED ENGINES. NOT CALIFORNIA COMPLIANT. KIT INCLUDES 1-[MTC-1] CAM, 16-[JB-817] LIFTERS & 40Z MELL LUBE. CHECK FOR COIL BIND.				DRNIA 16-[JB-817] IL BIND.
	Mechanical Flat Tappet Lifters	JB-992	USE [VS-380] SPRING W/INSTALLED HGT. OF 1.72 STOCK TYPE REPLACEMENT LIFTER, SPECIAL				
	meenamear rat rapper Enters	00-332	DESIGNED METERING SYSTEM				
·	Hydraulic Flat Tappet Lifters	298174	USE FACTORY SETTING ANTI-PUMP UP, SET AT ZERO LASH; MUST BE USED W/ ADJUSTABLE VALVE TRAIN				
		298184					E USED W/
	Hydraulic Roller Lifters	JB-2079	STOCK TY	PE REPLAC	EMENT LIF	TER	
	Hydraulic Retro-fit Roller Lifters	SB817RF16		T LIFTER FO TS [22135],			
	Valve Locks	476104	HARDENE	D 11/32" ST	EM		
	Valve Spring with Mechanical Lifters	466114		OUTER- US AMS- MACHI	-		
		466274	CAMS- MA	INNER- US	-		
		466364	1.260 O.D.				
	Valve Spring with Hydraulic Lifters	VS-380	[22107], [2	EPLACEMEN 2108], [2210 GHT OF 1.72	9], [22114], [22215] CAM	S- NOTE:
		VS-739	ASM. HEIGHT OF 1.72 (MACHINING MAY BE REQUIRED) STOCK REPLACEMENT. USE WITH [22303], [22305] & [22401] CAMS- NOTE: ASM HEIGHT OF 1.72- MACHINING MAY BE REQUIRED CHROME VANADIUM			22305] &	
		466204	HEIGHT O	I [22303], [22 F 1.72- MAC	HINING MA	Y BE REQU	IRED
		466354	(22213), (2	I MTC-1, (22 2203), (2232 iHT OF 1.72	20), (22301) (CAMSHAFT	S. NOTE:
	Rocker Arms	498404	LONG SLC				
	Rocker Arm Stud	MRDS-2920		RALL LENG	TH, 3/8" DIA	METER WIT	H HEX NUT
	Continued on Next Page						

Line No.	Part Title	Part No.	Description
17	327 ENG - 1962-69 - 8 Cyl		
	Rocker Arm Stud	MRDS-941	2.560 OVERALL LENGTH, 7/16" DIAMETER WITH HEX
			NUT
	Chrome Moly Push Rods	500314	EXC. ROLLER 5/16" DIA. STANDARD LENGTH- HEAT
			TREATED FOR GUIDE PLATES. MAX. SPRING
			PRESSURE 350 LBS.
		500614	EXC. ROLLER 5/16" DIA. + .100 O/S LENGTH-HEAT
			TREATED FOR GUIDE PLATES MAX. SPRING
			PRESSURE 350 LBS.
		500674	EXC. ROLLER 3/8" DIA. MAX. SPRING PRESSURE 350
		504004	
		501004	EXC. ROLLER 5/16" DIA. STANDARD LENGTH - HEAT
			TREATED FOR GUIDEPLATES (ONE PIECE
		501024	CONSTRUCTION) MAX. SPRING PRESSURE 500 LBS. EXC. ROLLER 5/16" DIA. + .150 O/S LENGTH - HEAT
		501024	TREATED FOR GUIDE PLATES. (ONE PIECE
			CONSTRUCTION)
		501034	EXC. ROLLER 5/16" DIA. + .200 O/S LENGTH - HEAT
		001004	TREATED FOR GUIDE PLATES. (ONE PIECE
			CONSTRUCTION)
	Guide Plates	MGP1004	5/16" THICK-MUST BE USED WITH SCREW-IN ROCKER
			ARM STUDS. (FLAT)
		MGP1014	3/8" THICK-MUST BE USED WITH SCREW-IN ROCKER
_			ARM STUDS. (FLAT)
		MGP1024	3/8" THICK- MUST BE USED WITH SCREW-IN ROCKER
			ARM STUDS. (RAISED)
		MGP1034	5/16" THICK- MUST BE USED WITH SCREW-IN ROCKER
			ARM STUDS. (RAISED)
	Gear Drive Set	48400	NOISY - INCLUDES 8620 CARBURIZED STEEL GEARS,
			ROLLER CAM BUTTON, LOCK PLATE AND BOLTS. TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODED
			DOWEL PIN HOLE INSERTS. RECOMMENDED FOR
			STREET AND STRIP, CLAIMER AND RACING ENGINES
			TO 6,500 RPM.
		48400Q	QUIET - INCLUDES 8620 CARBURIZED STEEL GEARS,
			ROLLER CAM BUTTON, LOCK PLATE AND BOLTS.
			TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODED
			DOWEL PIN HOLE INSERTS. RECOMMENDED FOR
			STREET AND STRIP, CLAIMER AND RACING ENGINES
			UP TO 6,500 RPM.
	3pc Set	40201	EXCLUDING STOCK ROLLER CAM ENGINES. INCLUDES
			DOUBLE ROLLER CHAIN, CAST IRON CAM SPROCKET
		40400	& MULTIPLE KEYWAY CRANK SPROCKET.
		40400	EXCLUDING STOCK ROLLER CAM ENGINES. INCLUDES DOUBLE SEAMLESS SOLID ROLLER CHAIN, CAST IRON
			CAM SPROCKET & MULTIPLE KEYWAY CRANK
			SPROCKET
		40500	EXCLUDING STOCK ROLLER CAM ENGINES. INCLUDES
			SINGLE SEAMLESS SOLID ROLLER CHAIN (.335"
			ROLLER), CAST IRON CAM SPROCKET & MULTIPLE
			KEYWAY CRANK SPROCKET.
	Continued on Next Page		

Line No.	Part Title	Part No.	Description
17	327 ENG - 1962-69 - 8 Cyl 4.0		
<i>'</i>	3pc Set	48500T-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE
		400001 0	TRACK, HOT ROD AND CLAIMER ENGINES. INCLUDES
			SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),
			BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS
			FIT ROLLER THRUST BEARINGS.
		48500W-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE
			TRACK, HOT ROD AND CLAIMER ENGINES INCLUDES
			SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),
			BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZE
			WASHER
		40520	EXCLUDING STOCK ROLLER CAM ENGINES. RACING
			APPLICATIONS ONLY INCLUDES 3/8" HY-VO TEC
			CHAIN, CAM SPROCKET WITH LIGHTENING HOLES &
			9-MULTIPLE KEYWAY CRANK SPROCKET
	Oil Pump	M-99HV-S	HI VOL PUMP- MORE VOL AND PRESSURE THAN
			STOCK PUMP. INCLUDES SCREEN. CHECK FOR PAN
			AND CRANK CLEARANCE.
		10050-700CT	(MELLING PATENT 5,810,571) HI VOLUME 25%.
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS. SCREW IN VALVE. OFFSET SCREEN FOR
			7." PAN INTEGRATED INTO PUMP BODY. INCLUDES
			OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT
			AND CHROME MOLY I/S SHAFT. CIRCLE TRACK
			RACING. CHECK FOR PAN AND CRANK CLEARANCE.
		10050-750SS	(MELLING PATENT 5,810,571) HI VOLUME 25%.
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS. SCREW IN VALVE. SCREEN FOR 7.5" PAN
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME
			MOLY I/S SHAFT. STREET AND STRIP. CHECK FOR PAN AND CRANK CLEARANCE.
		10050-825SS	(MELLING PATENT 5,810,571) HI VOLUME 25%.
		10050-62555	MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS, SCREW IN VALVE, SCREEN FOR 8.25" PAN
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME
			MOLY I/S SHAFT. STREET AND STRIP. CHECK FOR PAN
			AND CRANK CLEARANCE.
		10055-700CT	(MELLING PATENT 5,810,571) STANDARD VOLUME.
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS. SCREW IN VALVE. OFFSET SCREEN FOR
			7." PAN INTEGRATED INTO PUMP BODY. INCLUDES
			OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT
			AND CHROME MOLY I/S SHAFT. CIRCLE TRACK
			RACING.
	Continued on Next Page		

Line			MANCE - CHEVROLET CARS & TRUCKS (Continued)			
No.	Part Title	Part No.	Description			
17	327 ENG - 1962-69 - 8 Cyl 4.00 Bore (INCLUDES TRUCKS 1962-68)					
	Oil Pump	10055-750SS	(MELLING PATENT 5,810,571) STANDARD VOLUME.			
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.			
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE			
			COATINGS. SCREW IN VALVE. SCREEN FOR 8.25" PAN			
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL			
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME			
			MOLY I/S SHAFT. STREET AND STRIP.			
		10055-825SS	(MELLING PATENT 5,810,571) STANDARD VOLUME.			
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.			
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE			
			COATINGS. SCREW IN VALVE. SCREEN FOR 7.5" PAN			
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME			
			MOLY I/S SHAFT. STREET AND STRIP.			
		10550	EXC. CHEVY II HI VOLUME PUMP (25% ADDL VOL OF			
		10550	OIL) - FEATURES: STEEL GEARS; INCLUDES I/S SHAFT			
			W/STEEL GUIDE. USES 5/8" DIAMETER SCREEN.			
			CHECK FOR PAN AND CRANK CLEARANCE.			
		10551	EXC. CHEVY II - 19MM INLET HI VOLUME PUMP (25%			
			ADDL VOL OF OIL) - FEATURES: STEEL GEARS;			
			INCLUDES I/S SHAFT W/STEEL GUIDE. USES 3/4"			
			DIAMETER SCREEN. CHECK FOR PAN AND CRANK			
			CLEARANCE.			
		10552	(MELLING PATENT 5,810,571) HI VOLUME PUMP (10%			
			ADDL VOL OF OIL) - FEATURES: STEEL GEARS;			
			SHAFTS EXTENDED INTO COVER FOR SUPPORT.			
			RELIEF VALVE SPRING HAS SCREW IN PLUG.			
			INCLUDES [12550] CHROME MOLY INTERMEDIATE			
			SHAFT WITH STEEL GUIDE. EITHER A BOLT ON OR			
			PRESS IN SCREEN CAN BE USED WITH THIS PUMP.			
		40000	CHECK FOR PAN AND CRANK CLEARANCE.			
		10552C	RACING APPLICATIONS ONLY. (MELLING PATENT			
			5,810,571) HI VOLUME PUMP (10% ADDL VOL OF OIL) FEATURES: STEEL GEARS; SHAFTS EXTENDED INTO			
			COVER FOR SUPPORT. REFIEF VALVE SPRING HAS			
			SCREW IN PLUG. INCLUDES [12550] CHROME MOLY			
			INTERMEDIATE SHAFT WITH STEEL GUIDE. HAS			
			ANTI-CAVITATION GROOVES, EITHER A BOLT ON OR			
			PRESS IN SCREEN CAN BE USED WITH THIS PUMP.			
			CHECK FOR PAN AND CRANK CLEARANCE.			
		10553	FEATURES STEEL GEARS; STANDARD VOLUME			
			VERSION OF THE 10550 PUMP.			
		10554	FEATURES STEEL GEARS; STANDARD VOLUME			
			VERSION OF THE 10551 PUMP.			
		10555	(MELLING PATENT 5,810,571) HI VOLUME PUMP (25%			
			ADDL VOL OF OIL) FEATURES: STEEL GEARS; SHAFTS			
			EXTENDED INTO COVER FOR SUPPORT. RELIEF			
			VALVE SPRING HAS SCREW IN PLUG. INCLUDES			
			[12550] CHROME MOLY INTERMEDIATE SHAFT WITH			
			STEEL GUIDE. EITHER A BOLT ON OR PRESS IN			
			SCREEN CAN BE USED WITH THIS PUMP. CHECK FOR			
	Continued on Next Page		PAN AND CRANK CLEARANCE.			
	Continued on Next Page					

Line No.	Part Title	Part No.	Description
17	327 ENG - 1962-69 - 8 Cyl 4.0		
	Oil Pump	10555C	RACING APPLICATIONS ONLY. (MELLING PATENT
			5,810,571) HI VOLUME PUMP (25% ADDL VOL OF OIL)
			FEATURES: STEEL GEARS; SHAFTS EXTENDED INTO
			COVER FOR SUPPORT. RELIEF VALVE SPRING HAS
			SCREW IN PLUG. INCLUDES [12550] CHROME MOLY
			INTERMEDIATE SHAFT WITH STEEL GUIDE. HAS
			ANTI-CAVITATION GROOVES. EITHER A BOLT ON OR
			PRESS IN SCREEN CAN BE USED WITH THIS PUMP.
			CHECK FOR PAN AND CRANK CLEARANCE.
		10990	(MELLING PATENT 5,810,571) HI VOLUME PUMP (25%
			ADDL VOLUME) FEATURES: SHAFTS EXTENDED INTO
			COVER FOR SUPPORT. RELIEF VALVE HAS SCREW IN
			PLUG. INCLUDES [12550] CHROME MOLY
			INTERMEDIATE SHAFT WITH STEEL GUIDE. INCLUDES
			STOCK SPRING. CHECK FOR PAN AND CRANK
			CLEARANCE.
		10990C	RACING APPLICATIONS ONLY. (MELLING PATENT
			5,810,571) HI VOLUME PUMP (25% ADDL VOL OF OIL)
			FEATURES: SHAFTS EXTENDED INTO COVER FOR
			SUPPORT. RELIEF VALVE HAS SCREW IN PLUG.
			INCLUDES [12550] CHROME MOLY INTERMEDIATE
			SHAFT WITH STEEL GUIDE. HAS ANTI-CAVITATION
			GROOVES. CHECK FOR PAN AND CRANK CLEARANCE.
	Oil Pump Screen	12557	BOLT ON SCREEN. USE W/7" DEEP STOCK TYPE PAN.
			NOTE: CLEARANCE BETWEEN THE BOLTS AND HOLES
			ALLOWS 3/16 TO 1/4" ADJUSTMENT UP OR DOWN TO
			CUSTOM FIT YOUR APPLICATION. BOLT ON SCREEN
			FOR 10555 PUMP.
		12558	BOLT ON SCREEN. USE WITH 7 1/2" DEEP STOCK TYPE
			PAN. NOTE: CLEARANCE BETWEEN THE BOLTS AND
			HOLES ALLOWS 3/16 TO 1/4" ADJUSTMENT UP OR
			DOWN TO CUSTOM FIT YOUR APPLICATION.
		12559	BOLT ON SCREEN. USE WITH 8" DEEP STOCK TYPE
			PAN. NOTE: CLEARANCE BETWEEN THE BOLTS AND
			HOLES ALLOWS 3/16 TO 1/4" ADJUSTMENT UP OR
		10504	DOWN TO CUSTOM FIT YOUR APPLICATION. BOLT ON SCREEN. USE WITH 7" DEEP OVAL TRACK
		12564	PAN. NOTE: MESH IS TO THE RIGHT. NOTE:
			CLEARANCE BETWEEN THE BOLTS AND THE HOLES
			ALLOWS 3/16" TO 1/4" ADJUSTMENT UP OR DOWN TO
			CUSTOM FIT YOUR APPLICATION.
		12566	BOLT ON SCREEN. USE WITH 7 1/2" DEEP OVAL TRACK
		12300	PAN. NOTE: MESH IS TO THE RIGHT. NOTE:
			CLEARANCE BETWEEN THE BOLTS AND THE HOLES
			ALLOWS 3/16" TO 1/4" ADJUSTMENT UP OR DOWN TO
			CUSTOM FIT YOUR APPLICATION.
	Oil Pump Drive Shaft	12550	PERFORMANCE TYPE INTERMEDIATE SHAFT. HIGH
		12000	STRENGTH (150,000 PSI) CHROME MOLY STEEL.
			IMPROVED SHAFT RETAINER WHICH LOCKS ONTO
			THE OIL PUMP DRIVE SHAFT
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Line No.	Part Title	Part No.			Description		
18	350 ENG - 1967-02 - 8 Cyl 4.0						
10	Torque Camshaft					_	_
	Torque Gamanan		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Separation
	1967-1987 HYD. IMPROVES	MTC-1	204 214	278 288	.421 .444	107 117	112
	LOW-MID. PERF. CHECK FOR		201 211	2/0/200		107 117	
	COIL BIND. USE [VS-380]						
	SPRING W/INSTALLED HGT. OF						
	1.72. USE ONLY WITH						
	CARBURETTED ENGINES.						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1000-4500.						
	Camshafts Using Mechanical		Degrees	Degrees	Inches	Degrees	Degrees
	Flat Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	OEM #3927140 CLASS IV. NOT	22400	257 270	304 320	.494 .512	108 116	112
	CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE.						
	POWER RANGE 3700-7300.						
	CLASS IV. NOT CALIFORNIA	22402	240 250	282 290	.521 .521	104 108	106
	COMPLIANT. NOT COMPUTER	22.102	210 200	202 200	.021 .021	101 100	100
	COMPATIBLE. POWER RANGE						
	2700-6200.						
	CLASS IV. NOT CALIFORNIA	22404	258 266	290 298	.538 .556	99 111	105
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	3700-7300.						
	OEM #3849346 CLASS IV. NOT	22410	254 254	294 294	.484 .484	110 118	114
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE. POWER RANGE 3600-7200.						
	OEM #3965754 CLASS IV. NOT	22450	262 273	309 318	.512 .536	108 116	112
	CALIFORNIA COMPLIANT. NOT	22430	202 210	003 010	.012 .000	100 110	112
	COMPUTER COMPATIBLE.						
	POWER RANGE 3600-7200.						
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	CLASS II. NOT CALIFORNIA	С-400-Р	223 223	290 290	.447 .447	110 118	114
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2100-5600.						
	USE ONLY IN 1987 AND OLDER	22107	208 208	280 280	.408 .408	107 113	110
	S.B. CHEVY ENG EQUIPPED						
	WITH CARBURETTED 267-350						
	CID V8. CLASS I. NOT CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPLIANT. NOT						
	POWER RANGE 1000-4500.						
	Continued on Next Page						
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Line	Devit Title	Part No.			Description		
No. 18	Part Title 350 ENG - 1967-02 - 8 Cyl 4.0				Description		
10	Camshafts Using Hydraulic Flat					_	
	Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Separation
	USE ONLY IN 1987 AND OLDER	22108	184 194	260 270	.367 .398	104 104	104
	S.B. CHEVY ENG EQUIPPED	22100	104 194	200 270	.507 .550	104 104	104
	WITH CARBURETTED 267-350						
	CID V8. CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE IDLE-4000.						
	USE ONLY IN 1987 AND OLDER	22109	194 204	270 278	.398 .421	104 104	104
	S.B. CHEVY ENG EQUIPPED						
	WITH CARBURETTED 267-350						
	CID V8. CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE IDLE-4000.						
	USE IN 1987-95 S.B. CHEVY	22111	194 204	270 278	.398 .421	107 117	112
	ENG. CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
·	IDLE-4000. USE ONLY IN 1987 AND OLDER	22114	208 208	280 280	.420 .420	106 116	111
	S.B. CHEVY ENG EQUIPPED	22114	200 200	200 200	.420 .420	100 110	
	WITH CARBURETTED 267-350						
	CID V8. CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1400-4900.						
	USE ONLY IN 1987 AND OLDER	22115	209 216	283 286	.435 .455	107 117	112
	S.B. CHEVY ENG EQUIPPED						
	WITH CARBURETTED 267-350						
	CID V8. CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1500-5000.						
	USE ONLY IN 1987 AND OLDER	22126	194 214	268 288	.398 .441	107 117	112
	S.B. CHEVY ENG EQUIPPED						
	WITH CARBURETTED 267-350						
	CID V8. CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE.						
	POWER RANGE 1250-4750.						
	OEM# 3863151 CLASS II. NOT	22200	223 223	290 290	.447 .447	110 118	114
	CALIFORNIA COMPLIANT. NOT			200 200		110 110	
	COMPUTER COMPATIBLE.						
	POWER RANGE 2100-5600.						
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Line					I OANO Q		Continued)
No.	Part Title	Part No.			Description		
18	350 ENG - 1967-02 - 8 Cyl 4.0	0 Bore (INCLU	DES TRUCH	(S) GAS E	NGINE		
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	USE ONLY IN 1987 AND OLDER	22203	214 224	288 298	.444 .466	107 117	112
	S.B. CHEVY ENG EQUIPPED						
	WITH CARBURETTED 267-350						
	CID V8. CLASS II. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE. POWER RANGE 1700-5200.						
	OEM# 3896962 CLASS II. NOT	22210	224 224	291 287	.450 .460	114 114	114
	CALIFORNIA COMPLIANT. NOT	22210	224 224	231 207	.430 .400	114 114	114
	COMPUTER COMPATIBLE.						
	POWER RANGE 2200-5800.						
	USE ONLY IN 1987 AND OLDER	22213	214 214	287 287	.444 .444	107 117	112
	S.B. CHEVY ENG EQUIPPED	-		-			
	WITH CARBURETTED 267-350						
	CID V8. CLASS II. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1700-5200.						
	USE ONLY IN 1987 AND OLDER	22215	218 218	295 295	.429 .429	108 112	110
	S.B. CHEVY ENG EQUIPPED						
	WITH CARBURETTED 267-350						
	CID V8. CLASS II. NOT						
	CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE.						
	POWER RANGE 2000-5000.						
	CLASS II. NOT CALIFORNIA	22230	214 214	287 287	.444 .444	105 115	110
	COMPLIANT. NOT COMPUTER	0		207 207		100 110	
	COMPATIBLE. POWER RANGE						
	1700-5300.						
	CLASS II. NOT CALIFORNIA	22232	220 231	304 287	.468 .480	106 114	110
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2000-5700.						
	CLASS II. NOT CALIFORNIA	22233	224 224	300 300	.436 .436	107 109	108
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2200-5800. CLASS II. NOT CALIFORNIA	22234	224 230	283 291	.480 .486	107 113	110
	COMPLIANT. NOT COMPUTER	22234	224 230	203 291	.400 .400	107 113	110
	COMPATIBLE. POWER RANGE						
	2000-5500.						
	1967-1987 CLASS II. NOT	22235	224 224	224 224	.465 .465	112 112	112
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2200-5700.						
	CLASS III. NOT CALIFORNIA	22301	232 232	288 288	.480 .480	106 110	108
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2500-6000.						
	Continued on Next Page						

Line	D. 1 7'11				D		
No.	Part Title	Part No.			Description		
18	350 ENG - 1967-02 - 8 Cyl 4.0	U Bore (INCLUL	JES TRUCK	(S) GAS EI	NGINE		
	Camshafts Using Hydraulic Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Copulation
	CLASS III. NOT CALIFORNIA	22303	224 234	298 304	.466 .488	107 117	112
	COMPLIANT. NOT COMPUTER		_			-	
	COMPATIBLE. POWER RANGE						
	2200-5700.						
	CLASS III. NOT CALIFORNIA	22305	234 244	303 313	.488 .508	107 117	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2700-6200. CLASS III. NOT CALIFORNIA	22320	230 230	304 304	.453 .453	112 116	114
	COMPLIANT. NOT COMPUTER	22320	230 230	304 304	.405 .405	112 110	114
	COMPATIBLE. POWER RANGE						
	2500-6000.						
	CLASS IV. NOT CALIFORNIA	22401	244 254	313 328	.508 .533	107 117	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	3300-6700.						
	CLASS IV. NOT CALIFORNIA	22460	246 246	302 302	.508 .508	106 112	109
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE 3300-6800.						
	Camshafts Using Hydraulic		Deserves	Desmost	la chi c c	Desman	Desire
	Roller Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	ooparation
	1987-1994 CLASS I. NOT	22129	198 210	273 288	.434 .462	108 116	112
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE IDLE-4500.						
	1987-1994 CLASS I. NOT	22131	207 214	271 280	.410 .427	117 117	117
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1000-4500. 1987-1994 CLASS I. NOT	22221	197 206	261 276	.433 .450	105 114	109
	CALIFORNIA COMPLIANT. NOT		197 200	201 270	.435 .450	105 114	109
	COMPUTER COMPATIBLE.						
	POWER RANGE IDLE-4500.						
	1987-1998 FOR ENGINE	22280	220 224	283 287	.495 .502	107 113	110
	ORGINALLY EQUIPPED W/						
	ROLLER CAM. CLASS II. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2000-5200. 1987-1999 CLASS II. NOT	22298	222 232	297 307	.478 .501	109 119	114
	CALIFORNIA COMPLIANT. NOT	22230	222 232	231 301	.470 .301	109 119	114
	COMPUTER COMPATIBLE.						
	POWER RANGE 2000-5500.						
	1987-1994 CLASS III. NOT	22397	234 238	296 300	.538 .546	107 117	112
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2500-6200.						
	Continued on Next Page						

Line							Continued)	
No.	Part Title	Part No.			Description			
18	350 ENG - 1967-02 - 8 Cyl 4.0	0 Bore (INCLU	DES TRUCKS) GAS ENGINE					
	Camshafts Using Hydraulic Retro-fit Roller Lifters		Degrees	Degrees	Inches	Degrees	Degrees	
	Retro-fit Roller Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation	
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.		
	FOR USE WITH RETRO-FIT	22135	206 214	265 274	.470 .490	108 116	112	
	ROLLER LIFTERS [SB817RF16]							
	AND [SB079RF16] CLASS I. NOT							
	CALIFORNIA COMPLIANT. NOT							
	COMPUTER COMPATIBLE.							
F	POWER RANGE 1000-4500							
	FOR USE WITH RETRO-FIT	22136	215 230	284 310	.470 .480	106 114	110	
	ROLLER LIFTERS [SB817RF16]							
	AND [SB079RF16] CLASS I. NOT							
	CALIFORNIA COMPLIANT. NOT							
	COMPUTER COMPATIBLE.							
	POWER RANGE 1500-5000							
	1967-1987 FOR USE WITH	22237	215 224	284 296	.470 .490	108 116	112	
	RETRO-FIT ROLLER LIFTERS							
	[SB817RF16] AND [SB079RF16]							
	CLASS II. NOT CALIFORNIA							
	COMPLIANT. NOT COMPUTER							
	COMPATIBLE. POWER RANGE							
	1700-5200							
	FOR USE WITH RETRO-FIT	22238	215 215	284 284	.470 .470	106 114	110	
	ROLLER LIFTERS [SB817RF16]							
	AND [SB079RF16] CLASS II. NOT							
	CALIFORNIA COMPLIANT. NOT							
	COMPUTER COMPATIBLE.							
	POWER RANGE 1700-5300							
	FOR USE WITH RETRO-FIT	22398	234 238	296 300	.538 .546	107 117	112	
	ROLLER LIFTERS [SB817RF16]							
	AND [SB079RF16] CLASS III.							
	NOT CALIFORNIA COMPLIANT.							
	NOT COMPUTER COMPATIBLE.							
-	POWER RANGE 2500-6000.						<u> </u>	
	Mell Lube	M-10012			ND BREAK-			
					ACES TO PF			
					G ENGINE S	TART UP. 4	0Z	
F	Towning Open Lifton Kit	CL-MTC-1	CONTAINE		D. NOT CO			
	Torque Cam Lifter Kit	CL-INITC-1			VES LOW-M		о г	
					VITH CARBL MPLIANT. KI			
				-				
					[VS-380] SPI		TALLED	
F	Machanical Elet Tonnat Liftere		HGT. OF 1				A1	
	Mechanical Flat Tappet Lifters	JB-992			EMENT LIF	IEN, SPEUI	AL	
ŀ	Hudroulio Elet Tennet Liftere	200174						
ŀ	Hydraulic Flat Tappet Lifters	298174		ORY SETTI	NG AT ZERO LAS			
		298184		BLE VALVE		511, IVIUST E		
-	Hydraulic Roller Lifters	JB-2079				TED		
1						1111		

Part Title	Part No.	Description
350 ENG - 1967-02 - 8 Cyl 4	.00 Bore (INCLU	DES TRUCKS) GAS ENGINE
Hydraulic Retro-fit Roller Lifters	SB079RF16	1986-2002 RETRO-FIT LIFTER FOR USE W/ RETRO-F
		ROLLER CAMSHAFTS [22135], [22136], [22237], [2223
		[22398]
	SB817RF16	1967-1985 RETRO-FIT LIFTER FOR USE W/ RETRO-F
		ROLLER CAMSHAFTS [22135], [22136], [22237], [2223
		[22398]
Valve Locks	476104	HARDENED 11/32" STEM
Valve Spring with Mechanical	466114	1967-2002 OUTER- USE WITH [22410], [22400] & [224
Lifters	400114	CAMS- MACHINING MAY BE REQUIRED 1.430 O.D.
Enters	466274	1967-2002 INNER- USE WITH [22410], [22400] & [2245
	400214	CAMS- MACHINING MAY BE REQUIRED 1.080 O.D.
	466364	1.260 O.D.
Valve Spring with Hydraulic	VS-380	STOCK REPLACEMENT. USE WITH [MTC-1], [22111],
	VS-360	
Lifters		[22107], [22108], [22109], [22114], [22215] CAMS- NOT
		ASM. HEIGHT OF 1.72 (MACHINING MAY BE REQUIP
	VS-739	STOCK REPLACEMENT. USE WITH [22303], [22305] &
		[22401] CAMS- NOTE: ASM HEIGHT OF 1.72-
		MACHINING MAY BE REQUIRED CHROME VANADIU
	466204	USE WITH [22303], [22305] & [22401] CAMS- NOTE: A
		HEIGHT OF 1.72- MACHINING MAY BE REQUIRED
	466354	USE WITH [MTC-1], [22110], [22115], [22200], [22210],
		[22213], [22203], [22320] & [22301] CAMSHAFTS. NOT
		ASM HEIGHT OF 1.72 - MACHINING MAY BE REQUIF
Rocker Arms	498404	LONG SLOT
Rocker Arm Stud	MRDS-2920	2.325 OVERALL LENGTH, 3/8" DIAMETER WITH HEX
	MRDS-941	2.560 OVERALL LENGTH, 7/16" DIAMETER WITH HEX
		NUT
Chrome Moly Push Rods	500314	EXC. ROLLER 5/16" DIA. STANDARD LENGTH- HEAT
		TREATED FOR GUIDE PLATES. MAX. SPRING
		PRESSURE 350 LBS.
	500614	EXC. ROLLER 5/16" DIA. + .100 O/S LENGTH-HEAT
		TREATED FOR GUIDE PLATES MAX. SPRING
		PRESSURE 350 LBS.
	500674	EXC. ROLLER 3/8" DIA. MAX. SPRING PRESSURE 35
	000014	LBS.
	501004	ED3. EXC. ROLLER 5/16" DIA. STANDARD LENGTH - HEA
	501004	TREATED FOR GUIDEPLATES (ONE PIECE
		CONSTRUCTION) MAX. SPRING PRESSURE 500 LBS
	501024	EXC. ROLLER 5/16" DIA. + .150 O/S LENGTH - HEAT
	501024	
		TREATED FOR GUIDE PLATES. (ONE PIECE
	501034	EXC. ROLLER 5/16" DIA. + .200 O/S LENGTH - HEAT
		TREATED FOR GUIDE PLATES. (ONE PIECE
		CONSTRUCTION)
Guide Plates	MGP1004	5/16" THICK-MUST BE USED WITH SCREW-IN ROCK
		ARM STUDS. (FLAT)
	MGP1014	3/8" THICK-MUST BE USED WITH SCREW-IN ROCKE
		ARM STUDS. (FLAT)
	MGP1024	3/8" THICK- MUST BE USED WITH SCREW-IN ROCK
		ARM STUDS. (RAISED)
	MGP1034	5/16" THICK- MUST BE USED WITH SCREW-IN ROCK
		ARM STUDS. (RAISED)

Line			MANCE - CHEVROLET CARS & TRUCKS (Continued)				
No.	Part Title	Part No.	Description				
18	350 ENG - 1967-02 - 8 Cyl 4.00 Bore (INCLUDES TRUCKS) GAS ENGINE						
	Gear Drive Set	48400	1967-1988 NOISY - 8620 CARBURIZED STEEL GEARS, ROLLER CAM BUTTON, LOCK PLATE AND BOLTS. TIMING ADJUSTED W/5 COLOR CODED DOWEL PIN HOLE INSERTS. RECOMMENDED FOR STREET AND STRIP, CLAIMER, RACING ENGINES TO 6,500 RPM. VIN CODE 8 1982-86 ONLY. CAR APPLICATIONS ONLY.				
		48400	1969-1996 NOISY - INCLUDES 8620 CARBURIZED STEEL GEARS, ROLLER CAM BUTTON, LOCK PLATE AND BOLTS. TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODED DOWEL PIN HOLE INSERTS. RECOMMENDED FOR STREET AND STRIP, CLAIMER AND RACING ENGINES TO 6,500 RPM. TRUCK APPLICATIONS ONLY				
		48400Q	1969-1996 QUIET - INCLUDES 8620 CARBURIZED STEEL GEARS, ROLLER CAM BUTTON, LOCK PLATE AND BOLTS. TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODED DOWEL PIN HOLE INSERTS. RECOMMENDED FOR STREET AND STRIP, CLAIMER AND RACING ENGINES TO 6,500 RPM. TRUCK APPLICATIONS ONLY				
		48400Q	1967-1988 QUIET - 8620 CARBURIZED STEEL GEARS, ROLLER CAM BUTTON, LOCK PLATE AND BOLTS. TIMING ADJUSTED W/5 OPTIONAL COLOR CODED DOWEL PIN HOLE INSERTS. RECOMMENDED FOR STREET AND STRIP, CLAIMER, RACING ENGINES TO 6,500 RPM. VIN 8 82-86 ONLY. CAR APPLICATIONS ONLY.				
		48450	1987-1992 INCLUDES 8620 CARBURIZED STEEL GEARS, ROLLER CAM BUTTON, LOCK PLATE AND BOLTS, ADJUSTED W/5 COLOR CODED DOWEL PIN HOLE INSERTS. RECOMMENDED FOR STREET AND STRIP, CLAIMER AND RACING ENGINES UP TO 6,500 RPM. CARS AND TRUCK APPLICATIONS				
	3pc Set	40201	1967-1992 EXCLUDES STOCK ROLLER CAM ENGINES INCLUDES DOUBLE ROLLER CHAIN, CAST IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET.				
		40400	1967-1992 EXCLUDING STOCK ROLLER CAM ENGINES INCLUDES DOUBLE SEAMLESS SOLID ROLLER CHAIN, CAST IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET				
		40500	1967-1992 EXCLUDING STOCK ROLLER CAM ENGINES. INCLUDES SINGLE SEAMLESS SOLID ROLLER CHAIN (.335" ROLLER), CAST IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET.				
	Continued on Next Page	48500T-9	1967-1988 RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES. VIN 8 1982-86 ONLY. CAR APPLICATIONS ONLY. INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS FIT ROLLER THRUST BEARINGS.				

Line No.	Part Title	Part No.	Description
18	350 ENG - 1967-02 - 8 Cyl 4.0		
	3pc Set	48500T-9	1969-1996 RECOMMENDED FOR STREET AND STRIP,
	000 000		CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES.
			TRUCK APPLICATIONS ONLY INCLUDES SEAMLESS
			DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL
			CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH
			+4°/-4° CAM ADJUSTMENT. PRESS FIT ROLLER
			THRUST BEARINGS.
		48500W-9	1969-1996 RECOMMENDED FOR STREET AND STRIP,
			CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES.
			TRUCK APPLICATIONS ONLY INCLUDES SEAMLESS
			DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL
			CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH
			+4°/-4° CAM ADJUSTMENT. BRONZE WASHER
		48500W-9	1967-1988 RECOMMENDED FOR STREET AND STRIP,
			CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES. VIN
			8 1982-86 ONLY. CAR APPLICATIONS ONLY. INCLUDES
			SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),
			BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZE
			WASHER
		40520	1967-1992 EXCLUDING STOCK ROLLER CAM ENGINES.
			RACING APPLICATIONS ONLY INCLUDES 3/8" HY-VO
			TEC CHAIN, CAM SPROCKET WITH LIGHTENING
			HOLES & 9-MULTIPLE KEYWAY CRANK SPROCKET
	Oil Pump	M-99HV-S	HI VOL PUMP- MORE VOL AND PRESSURE THAN
			STOCK PUMP. INCLUDES SCREEN. CHECK FOR PAN
			AND CRANK CLEARANCE.
		10050-700CT	(MELLING PATENT 5,810,571) HI VOLUME 25%.
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS. SCREW IN VALVE. OFFSET SCREEN FOR
			7." PAN INTEGRATED INTO PUMP BODY. INCLUDES
			OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT
			AND CHROME MOLY I/S SHAFT. CIRCLE TRACK
			RACING. CHECK FOR PAN AND CRANK CLEARANCE.
		10050-750SS	(MELLING PATENT 5,810,571) HI VOLUME 25%.
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 7.5" PAN
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME
			MOLY I/S SHAFT, STREET AND STRIP, CHECK FOR PAN
			AND CRANK CLEARANCE.
		10050-825SS	(MELLING PATENT 5,810,571) HI VOLUME 25%.
		10050-02555	MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS. SCREW IN VALVE. SCREEN FOR 8.25" PAN
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME
			MOLY I/S SHAFT. STREET AND STRIP. CHECK FOR PAN
			AND CRANK CLEARANCE.
	Continued on Next Page		
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Line			MANCE - CHEVROLET CARS & TRUCKS (Continued)
No.	Part Title	Part No.	Description
18	350 ENG - 1967-02 - 8 Cyl 4.0		
	Oil Pump	10055-700CT	(MELLING PATENT 5,810,571) STANDARD VOLUME. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. OFFSET SCREEN FOR 7." PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME MOLY I/S SHAFT. CIRCLE TRACK BACING.
		10055-750SS	(MELLING PATENT 5,810,571) STANDARD VOLUME. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 8.25" PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME MOLY I/S SHAFT. STREET AND STRIP.
		10055-825SS	(MELLING PATENT 5,810,571) STANDARD VOLUME. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 7.5" PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME MOLY I/S SHAFT. STREET AND STRIP.
		10550	EXC. CHEVY II HI VOLUME PUMP (25% ADDL VOL OF OIL) - FEATURES: STEEL GEARS; INCLUDES I/S SHAFT W/STEEL GUIDE. USES 5/8" DIAMETER SCREEN. CHECK FOR PAN AND CRANK CLEARANCE.
		10551	EXC. CHEVY II - 19MM INLET HI VOLUME PUMP (25% ADDL VOL OF OIL) - FEATURES: STEEL GEARS; INCLUDES I/S SHAFT W/STEEL GUIDE. USES 3/4" DIAMETER SCREEN. CHECK FOR PAN AND CRANK CLEARANCE.
		10552	(MELLING PATENT 5,810,571) HI VOLUME PUMP (10% ADDL VOL OF OIL) - FEATURES: STEEL GEARS; SHAFTS EXTENDED INTO COVER FOR SUPPORT. RELIEF VALVE SPRING HAS SCREW IN PLUG. INCLUDES [12550] CHROME MOLY INTERMEDIATE SHAFT WITH STEEL GUIDE. EITHER A BOLT ON OR PRESS IN SCREEN CAN BE USED WITH THIS PUMP. CHECK FOR PAN AND CRANK CLEARANCE.
		10552C	RACING APPLICATIONS ONLY. (MELLING PATENT 5,810,571) HI VOLUME PUMP (10% ADDL VOL OF OIL) FEATURES: STEEL GEARS; SHAFTS EXTENDED INTO COVER FOR SUPPORT. REFIEF VALVE SPRING HAS SCREW IN PLUG. INCLUDES [12550] CHROME MOLY INTERMEDIATE SHAFT WITH STEEL GUIDE. HAS ANTI-CAVITATION GROOVES. EITHER A BOLT ON OR PRESS IN SCREEN CAN BE USED WITH THIS PUMP. CHECK FOR PAN AND CRANK CLEARANCE.
		10553 10554	FEATURES STEEL GEARS; STANDARD VOLUME VERSION OF THE 10550 PUMP. FEATURES STEEL GEARS; STANDARD VOLUME
	Continued on Next Page		VERSION OF THE 10551 PUMP.

Line No.	Part Title	Part No.	Description
18	350 ENG - 1967-02 - 8 Cyl 4.0		•
	Oil Pump	10555	(MELLING PATENT 5,810,571) HI VOLUME PUMP (25%
		10000	ADDL VOL OF OIL) FEATURES: STEEL GEARS; SHAFTS
			EXTENDED INTO COVER FOR SUPPORT. RELIEF
			VALVE SPRING HAS SCREW IN PLUG. INCLUDES
			[12550] CHROME MOLY INTERMEDIATE SHAFT WITH
			STEEL GUIDE. EITHER A BOLT ON OR PRESS IN
			SCREEN CAN BE USED WITH THIS PUMP. CHECK FOR
			PAN AND CRANK CLEARANCE.
		10555C	RACING APPLICATIONS ONLY. (MELLING PATENT
			5,810,571) HI VOLUME PUMP (25% ADDL VOL OF OIL)
			FEATURES: STEEL GEARS; SHAFTS EXTENDED INTO
			COVER FOR SUPPORT. RELIEF VALVE SPRING HAS
			SCREW IN PLUG. INCLUDES [12550] CHROME MOLY
			INTERMEDIATE SHAFT WITH STEEL GUIDE. HAS
			ANTI-CAVITATION GROOVES. EITHER A BOLT ON OR
			PRESS IN SCREEN CAN BE USED WITH THIS PUMP.
			CHECK FOR PAN AND CRANK CLEARANCE.
		10990	(MELLING PATENT 5,810,571) HI VOLUME PUMP (25%
			ADDL VOLUME) FEATURES: SHAFTS EXTENDED INTO
			COVER FOR SUPPORT. RELIEF VALVE HAS SCREW IN
			PLUG. INCLUDES [12550] CHROME MOLY
			INTERMEDIATE SHAFT WITH STEEL GUIDE. INCLUDES
			STOCK SPRING. CHECK FOR PAN AND CRANK
			CLEARANCE.
		10990C	RACING APPLICATIONS ONLY. (MELLING PATENT
			5,810,571) HI VOLUME PUMP (25% ADDL VOL OF OIL)
			FEATURES: SHAFTS EXTENDED INTO COVER FOR
			SUPPORT. RELIEF VALVE HAS SCREW IN PLUG.
			INCLUDES [12550] CHROME MOLY INTERMEDIATE
			SHAFT WITH STEEL GUIDE. HAS ANTI-CAVITATION
			GROOVES. CHECK FOR PAN AND CRANK CLEARANCE.
	Oil Pump Screen	12557	BOLT ON SCREEN. USE W/7" DEEP STOCK TYPE PAN.
			NOTE: CLEARANCE BETWEEN THE BOLTS AND HOLES
			ALLOWS 3/16 TO 1/4" ADJUSTMENT UP OR DOWN TO
			CUSTOM FIT YOUR APPLICATION. BOLT ON SCREEN
		10550	FOR 10555 PUMP. BOLT ON SCREEN. USE WITH 7 1/2" DEEP STOCK TYPE
		12558	PAN. NOTE: CLEARANCE BETWEEN THE BOLTS AND
			HOLES ALLOWS 3/16 TO 1/4" ADJUSTMENT UP OR
			DOWN TO CUSTOM FIT YOUR APPLICATION.
		12559	BOLT ON SCREEN. USE WITH 8" DEEP STOCK TYPE
		12555	PAN. NOTE: CLEARANCE BETWEEN THE BOLTS AND
			HOLES ALLOWS 3/16 TO 1/4" ADJUSTMENT UP OR
			DOWN TO CUSTOM FIT YOUR APPLICATION.
		12564	BOLT ON SCREEN. USE WITH 7" DEEP OVAL TRACK
			PAN. NOTE: MESH IS TO THE RIGHT. NOTE:
			CLEARANCE BETWEEN THE BOLTS AND THE HOLES
			ALLOWS 3/16" TO 1/4" ADJUSTMENT UP OR DOWN TO
			CUSTOM FIT YOUR APPLICATION.
	Continued on Next Page		
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Line				HEVHOLE	I CANS &		Continued)
No.	Part Title	Part No.			Description		
18	350 ENG - 1967-02 - 8 Cyl 4.0	0 Bore (INCLUE	DES TRUCH	(S) GAS EI	NGINE		
	Oil Pump Screen	12566	PAN. NOT CLEARAN ALLOWS 3	SCREEN. US E: MESH IS CE BETWEE 8/16" TO 1/4" FIT YOUR AI	TO THE RIG N THE BOL ADJUSTME	HT. NOTE: TS AND THE NT UP OR I	E HOLES
	Oil Pump Drive Shaft	12550	PERFORM STRENGT IMPROVE	IANCE TYPE H (150,000 F D SHAFT RE UMP DRIVE	E INTERMED PSI) CHROM TAINER WH	DIATE SHAF E MOLY ST	EEL.
19	5.7-G,S (350) ENG - 1997-2004	- 8 Cyl 4.000 E	Bore LS1, L	.S6 (CARS	ONLY)		
	Camshafts Using Hydraulic Roller Lifters CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER	22201	Degrees .050" dur Int. Exh. 223 223	Degrees ADV. Dur Int. Exh. 291 291	Inches Valve lift Int. Exh. .566 .566	Degrees Lobe cntr. Int. Exh. 110 118	Degrees Separation 114
	COMPATABLE. POWER RANGE 2000-5000.						
	Mell Lube	M-10012	PLATES W	SSEMBLY A /EAR SURF/ .ING DURIN(ER.	ACES TO PF	REVENT SCO	ORING
	Valve Spring Retainers	475234	CHROME	MOLY.			
	Oil Pump	10295	COATING. SCREEN.	D VOLUME. SCREW IN	VALVE. USE	ES 7/8" BOL	ΓON
		10296	VALVE. US OPTIONAL AND CRAN	E 18%. PRO SES 7/8" BOI HI PRESSUNK CLEARAN	LT ON SCRE JRE SPRING NCE.	EN. INCLU	DES
20	6.0 (364) ENG - 1999-07 - 8 Cyl						
	Mell Lube	M-10012	PLATES W AND GALL CONTAINE		ACES TO PF G ENGINE S	REVENT SCO TART UP. 4	oring Oz
	Oil Pump	10295	PRESSUR	S U,N ONLY E 10%. PRO SES 7/8" BOI	TECTIVE CO	DATING. SC	
		10296	COATING. SCREEN.	S U,N ONLY SCREW IN INCLUDES ()R PAN AND	VALVE. USE OPTIONAL H	ES 7/8" BOL ⁻ II PRESSUR	r on
		10355	HI VOLUM APPLICAT FEATURES PHOSPHA PRESSUR	(SUBURBAI E PUMP (33 IONS. STD \ S: HARDCO/ TE COATED E W/OPTION NK CLEARAI	% ADDL VO /OLUME GE AT ANODIZE) COVER, AI NAL SPRING	L OF OIL) G N IV APPLIC D BODY, C DJUSTABLE	EN III CATIONS. AST IRON

Line	Part Title	Dort No			Description		
No. 21	6.2-8 (378) OHV ENG - 2007 - 8	Part No.			Description	1 92	
	Mell Lube	M-10012		SSEMBLY A			NT
		W-10012		EAR SURFA			
				ING DURING			
			CONTAINE				
-	Oil Pump	10355	HI VOLUM	E PUMP (33	% ADDL VO	L OF OIL) G	EN III
			APPLICAT	IONS. STD \	/OLUME GE	N IV APPLIC	CATIONS.
			FEATURE	S: HARDCO	AT ANODIZE	D BODY, C	AST IRON
			PHOSPHA	TE COATED	COVER, AD	DJUSTABLE	
			PRESSUR	E W/OPTION	NAL SPRING	i. CHECK FO	OR PAN
				NK CLEARAN			
22	400 S.B. ENG - 1970-80 - 8 Cyl.	- 4 1/8 Bore (IN	CLUDES T	RUCKS) SI	MALL BLO	СК	
	Torque Camshaft		Degrees	Degrees	Inches	Degrees	Degrees
			.050" dur	ADV. Dur Int. Exh.	Valve lift Int. Exh.	Lobe cntr.	Separation
	HYD. IMPROVES LOW-MID.	MTC-1	Int. Exh. 204 214	278 288	.421 .444	Int. Exh. 107 117	112
	PERF. CHECK FOR COIL BIND.		204 214	270 200	.421 .444	107 117	112
	USE [VS-380] SPRING W/						
	INSTALLED HGT. OF 1.72. USE						
	ONLY WITH CARBURETTED						
	ENGINES. CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1000-4500.						
	Camshafts Using Mechanical		Degrees	Degrees	Inches	Degrees	Degrees
	Flat Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	OEM #3927140 CLASS IV. NOT	22400	257 270	304 320	.494 .512	108 116	112
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
-	POWER RANGE 3700-7300.	22402	040.050	000 000	.521 .521	104 108	106
	CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER	22402	240 250	282 290	.521 .521	104 108	106
	COMPATIBLE. POWER RANGE						
	2700-6200.						
-	CLASS IV. NOT CALIFORNIA	22404	258 266	290 298	.538 .556	99 111	105
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	3700-7300.						
	OEM #3849346 CLASS IV. NOT	22410	254 254	294 294	.484 .484	110 118	114
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 3600-7200.						
	OEM #3965754. CLASS IV. NOT	22450	262 273	309 318	.512 .536	108 116	112
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
ŀ	POWER RANGE 3600-7200.						
	Continued on Next Page						

Line		Dout No.			Description		
No.	Part Title 400 S.B. ENG - 1970-80 - 8 Cyl.	Part No. - 4 1/8 Bore (IN	ICI UDES T		Description		
	Camshafts Using Hydraulic Flat			, , , , , , , , , , , , , , , , , , ,			Desire
	Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Copulation
	CLASS II. NOT CALIFORNIA	C-400-P	223 223	290 290	.447 .447	110 118	114
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2100-5600.						
	USE ONLY IN 1987 AND OLDER	22107	208 208	280 280	.408 .408	107 113	110
	S.B. CHEVY ENG EQUIPPED						
	WITH CARBURETTED 267-350						
	CID V8. CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATBLE.						
	POWER RANGE 1000-4500.						
	USE ONLY IN 1987 AND OLDER	22108	184 194	260 270	.367 .398	104 104	104
	S.B. CHEVY ENG EQUIPPED						
	WITH CARBURETTED 267-350						
	CID V8. CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE IDLE-4000.						
	USE ONLY IN 1987 AND OLDER	22109	194 204	270 278	.398 .421	104 104	104
	S.B. CHEVY ENG EQUIPPED						
	WITH CARBURETTED 267-350						
	CID V8. CLASS I. NOT CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE IDLE-4000.						
	USE IN 1987-95 S.B. CHEVY	22111	194 204	270 278	.398 .421	107 117	112
	ENG. CLASS I. NOT CALIFORNIA	22111	104 204	210 210	.000 .421	107 117	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	IDLE-4000.						
	USE ONLY IN 1987 AND OLDER	22114	208 208	280 280	.420 .420	106 116	111
	S.B. CHEVY ENG EQUIPPED						
	WITH CARBURETTED 267-350						
	CID V8. CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1400-4900.						
	USE ONLY IN 1987 AND OLDER	22115	209 216	283 286	.435 .455	107 117	112
	S.B. CHEVY ENG EQUIPPED						
	WITH CARBURETTED 267-350						
	CID V8. CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1500-5000.						
	Continued on Next Page						

Line No.	Part Title	Part No.			Description		
22	400 S.B. ENG - 1970-80 - 8 Cyl.					СК	
LL	Camshafts Using Hydraulic Flat						
	Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Separation
	USE ONLY IN 1987 AND OLDER	22126	194 214	268 288	.398 .441	107 117	112
	S.B. CHEVY ENG EQUIPPED	22120	104 214	200 200	.000 .441	107 117	112
	WITH CARBURETTED 267-350						
	CID V8. CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1250-4750.						
	OEM# 3863151. CLASS II. NOT	22200	223 223	290 290	.447 .447	110 118	114
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2100-5600.						
	USE ONLY IN 1987 AND OLDER	22203	214 224	288 298	.444 .466	107 117	112
	S.B. CHEVY ENG EQUIPPED						
	WITH CARBURETTED 267-350						
	CID V8. CLASS II. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1700-5200.						
	OEM# 3896962 CLASS II. NOT	22210	224 224	291 287	.450 .460	114 114	114
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2200-5800.						
	USE ONLY IN 1987 AND OLDER	22213	214 214	287 287	.444 .444	107 117	112
	S.B. CHEVY ENG EQUIPPED						
	WITH CARBURETTED 267-350						
	CID V8. CLASS II. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1700-5200.	00015	010 010	005 005	400 400	108 112	110
	USE ONLY IN 1987 AND OLDER	22215	218 218	295 295	.429 .429	108 112	110
	S.B. CHEVY ENG EQUIPPED						
	WITH CARBURETTED 267-350 CID V8. CLASS II. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2000-5000.						
	CLASS II. NOT CALIFORNIA	22230	214 214	287 287	.444 .444	105 115	110
	COMPLIANT. NOT COMPUTER	22200	211 211	207 207		100 110	110
	COMPATIBLE. POWER RANGE						
	1700-5300.						
	CLASS II. NOT CALIFORNIA	22232	220 231	304 287	.468 .480	106 114	110
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2000-5700.						
	CLASS II. NOT CALIFORNIA	22233	224 224	300 300	.436 .436	107 109	108
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2200-5800.						
	Continued on Next Page						

Line No.	Part Title	Part No.			Description		
22	400 S.B. ENG - 1970-80 - 8 Cyl					CK	
		4 1/6 DOIE (IN					
	Camshafts Using Hydraulic Flat Tappet Lifters		Degrees	Degrees ADV. Dur	Inches	Degrees	Degrees
	rapper Liners		.050" dur Int. Exh.	Int. Exh.	Valve lift Int. Exh.	Lobe cntr. Int. Exh.	Separation
	CLASS II. NOT CALIFORNIA	00004	224 230	283 291	.480 .486	107 113	110
	COMPLIANT. NOT CALIFORNIA	22234	224 230	203 291	.460 .460	107 113	110
	COMPATIBLE. POWER RANGE						
	2000-5500.						
	CLASS II. NOT CALIFORNIA	22235	224 224	224 224	.465 .465	112 112	112
	COMPLIANT. NOT COMPUTER	22233			.405 .405	112 112	112
	COMPATIBLE. POWER RANGE						
	2200-5700.						
	CLASS III. NOT CALIFORNIA	22301	232 232	288 288	.480 .480	106 110	108
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2500-6000.						
	CLASS III. NOT CALIFORNIA	22303	224 234	298 304	.466 .488	107 117	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2200-5700.						
	CLASS III. NOT CALIFORNIA	22305	234 244	303 313	.488 .508	107 117	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2700-6200.						
	CLASS III. NOT CALIFORNIA	22320	230 230	304 304	.453 .453	112 116	114
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2500-6000.						
	CLASS IV. NOT CALIFORNIA	22401	244 254	313 328	.508 .533	107 117	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	3300-6700. CLASS IV. NOT CALIFORNIA	00400	246 246	302 302	.508 .508	106 112	109
	COMPLIANT. NOT COMPUTER	22460	240 240	302 302	.506 .506	100 112	109
	COMPATIBLE. POWER RANGE						
	3300-6800.						
	Camshafts Using Hydraulic		Den	Den	lus al	Den	
	Retro-fit Roller Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Separation
	FOR USE WITH RETRO-FIT	22135	206 214	265 274	.470 .490	108 116	112
	ROLLER LIFTER [SB817RF16]	22100	200 211	200 271		100 110	
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1000-4500						
	FOR USE WITH RETRO-FIT	22136	215 230	284 310	.470 .480	106 114	110
	ROLLER LIFTER [SB817RF16]						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1500-5000						
	Continued on Next Page						

e	Part Title	Part No.			Description			
	400 S.B. ENG - 1970-80 - 8 Cyl		CLUDES T			СК		
	Camshafts Using Hydraulic						Deserves	
	Retro-fit Roller Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation	
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Copulation	
	FOR USE WITH RETRO-FIT	22237	215 224	284 296	.470 .490	108 116	112	
	ROLLER LIFTER [SB817RF16]							
	CLASS II. NOT CALIFORNIA							
	COMPLIANT. NOT COMPUTER							
	COMPATIBLE. POWER RANGE							
L	1700-5200							
	FOR USE WITH RETRO-FIT	22238	215 215	284 284	.470 .470	106 114	110	
	ROLLER LIFTER [SB817RF16]							
	CLASS II. NOT CALIFORNIA							
	COMPLIANT. NOT COMPUTER							
	COMPATIBLE. POWER RANGE							
┝	1700-5300 FOR USE WITH RETRO-FIT	22398	234 238	296 300	.538 .546	107 117	112	
	ROLLER LIFTER [SB817RF16]	22390	234 230	290 300	.556 .540	107 117	112	
	CLASS III. NOT CALIFORNIA							
	COMPLIANT. NOT COMPUTER							
	COMPATIBLE. POWER RANGE							
	2500-6000.							
	Mell Lube	M-10012	ENGINE ASSEMBLY AND BREAK-IN LUBRICANT.					
			PLATES WEAR SURFACES TO PREVENT SCORING					
				AND GALLING DURING ENGINE START UP. 40Z				
Ļ			CONTAINE				_	
	Torque Cam Lifter Kit	CL-MTC-1	CLASS I HYD. NOT COMPUTER COMPATIBLE. IMPROVES LOW-MID PERF. USE (VS-380). USE ONLY					
						NES. NOT CALIFORNIA		
					UDES 1-[MT			
					LUBE. CHE	-		
					W/INSTALL			
F	Mechanical Flat Tappet Lifters	JB-992			EMENT LIF			
			DESIGNE	NED METERING SYSTEM				
	Hydraulic Flat Tappet Lifters	298174		ORY SETTI				
		298184			T ZERO LA	SH; MUST E	E USED W	
Ļ		15.0050		BLE VALVE				
┝	Hydraulic Roller Lifters Hydraulic Retro-fit Roller Lifters	JB-2079 SB817RF16			EMENT LIF			
	nyuraulic netro-lit noller Litters	3001/11/10			[22136], [222			
F	Valve Locks	476104		D 11/32" ST			,[
F	Valve Spring with Mechanical	466114			2410], [22418	5], [22400] &	[22450]	
	Lifters		CAMS- MA	CHINING M	AY BE REQU	JIRED 1.430) O.D.	
		466274	INNER- US	SE WITH [22	410], [22400]	& [22450] C	CAMS-	
					REQUIRED 1	.080 O.D.		
L		466364	1.260 O.D.					
			L STOCK BE	EPLACEMEN	IT. USE WIT		-	
	Valve Spring with Hydraulic	VS-380		0 1 0 01 T=				
	Valve Spring with Hydraulic Lifters	VS-380	[22107], [2	2108], [2210		-		
			[22107], [2 ASM. HEI0	GHT OF 1.72	(MACHININ	G MAY BE F	REQUIRED	
		VS-380 VS-739	[22107], [2 ASM. HEIC STOCK RE	GHT OF 1.72 EPLACEMEN	(MACHININ IT. USE WIT	G MAY BE F H [22303], [2	REQUIRED	
			[22107], [2 ASM. HEIC STOCK RE [22401] CA	OHT OF 1.72 EPLACEMEN MS- NOTE:	(MACHININ IT. USE WIT ASM HEIGH	<u>G MAY BE F</u> H [22303], [2 T OF 1.72-	REQUIRED) 22305] &	
		VS-739	[22107], [2 ASM. HEIO STOCK RE [22401] CA MACHININ	GHT OF 1.72 EPLACEMEN MS- NOTE: IG MAY BE F	(MACHININ IT. USE WIT ASM HEIGH REQUIRED (G MAY BE F H [22303], [2 T OF 1.72- CHROME VA	REQUIRED) 22305] & ANADIUM	
			[22107], [2 ASM. HEIO STOCK RE [22401] CA MACHININ USE WITH	GHT OF 1.72 EPLACEMEN MS- NOTE: IG MAY BE F [22303], [22	(MACHININ IT. USE WIT ASM HEIGH	G MAY BE F H [22303], [2 T OF 1.72- CHROME VA 1] CAMS- N	REQUIRED) 22305] & ANADIUM OTE: ASM	

Part Title	Part No.	
Valve Spring with Hydrauli	c 466354	USE WITH MTC-1, (22110), (22115), (22200), (2221
Lifters		(22213), (22203), (22320), (22301) CAMSHAFTS. NOTE: ASM HEIGHT OF 1.72 - MACHINING MAY BE REQUIRED.
Deelver Arme	400404	LONG SLOT
Rocker Arms Rocker Arm Stud	498404 MRDS-2920	2.325 OVERALL LENGTH, 3/8" DIAMETER WITH HEX NUT
Rocker Arm Stud	MRDS-2920 MRDS-941	2.560 OVERALL LENGTH, 7/16" DIAMETER WITH HEX
	WIND3-941	NUT
Chrome Moly Push Rods	500314	EXC. ROLLER 5/16" DIA. STANDARD LENGTH- HEAT
official mony rush rious	000014	TREATED FOR GUIDE PLATES. MAX. SPRING
		PRESSURE 350 LBS.
	500614	EXC. ROLLER 5/16" DIA. + .100 O/S LENGTH-HEAT
		TREATED FOR GUIDE PLATES MAX. SPRING
		PRESSURE 350 LBS.
	500674	EXC. ROLLER 3/8" DIA. MAX. SPRING PRESSURE 350
		LBS.
	501004	EXC. ROLLER 5/16" DIA. STANDARD LENGTH - HEAT
		TREATED FOR GUIDEPLATES (ONE PIECE
		CONSTRUCTION) MAX. SPRING PRESSURE 500 LBS.
	501024	EXC. ROLLER 5/16" DIA. + .150 O/S LENGTH - HEAT
		TREATED FOR GUIDE PLATES. (ONE PIECE
		CONSTRUCTION)
	501034	EXC. ROLLER 5/16" DIA. + .200 O/S LENGTH - HEAT
		TREATED FOR GUIDE PLATES. (ONE PIECE
		CONSTRUCTION)
Guide Plates	MGP1004	5/16" THICK-MUST BE USED WITH SCREW-IN ROCKER
		ARM STUDS. (FLAT)
	MGP1014	3/8" THICK-MUST BE USED WITH SCREW-IN ROCKER
		ARM STUDS. (FLAT)
	MGP1024	3/8" THICK- MUST BE USED WITH SCREW-IN ROCKER
	NODION	ARM STUDS. (RAISED) 5/16" THICK- MUST BE USED WITH SCREW-IN ROCKER
	MGP1034	ARM STUDS. (RAISED)
Gear Drive Set	48400	1974-1980 NOISY - 8620 CARBURIZED STEEL GEARS,
Gear Drive Set	40400	ROLLER CAM BUTTON. LOCK PLATE AND BOLTS.
		TIMING ADJUSTED W/5 OPTIONAL COLOR CODED
		DOWEL PIN HOLE INSERTS, RECOMMENDED FOR
		STREET AND STRIP, CLAIMER, RACING ENGINES TO
		6,500 RPM. S. B. TRUCK APPLICATIONS ONLY
<u> </u>	48400	1970-1976 NOISY - 8620 CARBURIZED STEEL GEARS,
		ROLLER CAM BUTTON, LOCK PLATE AND BOLTS.
		TIMING ADJUSTED W/5 OPTIONAL COLOR CODED
		DOWEL PIN HOLE INSERTS. RECOMMENDED FOR
		STREET AND STRIP, CLAIMER, RACING ENGINES TO
		6,500 RPM. S. B. CAR APPLICATIONS ONLY
	48400Q	1970-1976 QUIET - 8620 CARBURIZED STEEL GEARS,
		ROLLER CAM BUTTON, LOCK PLATE AND BOLTS.
		TIMING ADJUSTED W/5 OPTIONAL COLOR CODED
		DOWEL PIN HOLE INSERTS. RECOMMENDED FOR
1		STREET AND STRIP, CLAIMER, RACING ENGINES TO
		6,500 RPM. S.B. CAR APPLICATIONS ONLY

Line No.	Part Title	Part No.	Description
22			ICLUDES TRUCKS) SMALL BLOCK
	Gear Drive Set	48400Q	1974-1980 QUIET - 8620 CARBURIZED STEEL GEARS,
	Geal Drive Set	101000	ROLLER CAM BUTTON, LOCK PLATE AND BOLTS.
			TIMING ADJUSTED W/5 OPTIONAL COLOR CODED
			DOWEL PIN HOLE INSERTS. RECOMMENDED FOR
			STREET AND STRIP, CLAIMER, RACING ENGINES TO
			6,500 RPM. S.B. TRUCK APPLICATIONS ONLY
	3pc Set	40201	1970-1976 EXCLUDING STOCK ROLLER CAM ENGINES.
			SMALL BLOCK CAR APPLICATIONS ONLY INCLUDES
			DOUBLE ROLLER CHAIN, CAST IRON CAM SPROCKET
			& MULTIPLE KEYWAY CRANK SPROCKET.
		40201	1974-1980 EXCLUDING STOCK ROLLER CAM ENGINES.
			SMALL BLOCK TRUCK APPLICATIONS ONLY INCLUDES
			DOUBLE ROLLER CHAIN, CAST IRON CAM SPROCKET
			& MULTIPLE KEYWAY CRANK SPROCKET.
		40400	1974-1980 EXCLUDING STOCK ROLLER CAM ENGINES.
			SMALL BLOCK TRUCK APPLICATIONS ONLY INCLUDES
			DOUBLE SEAMLESS SOLID ROLLER CHAIN, CAST IRON
			CAM SPROCKET & MULTIPLE KEYWAY CRANK
			SPROCKET
		40400	1970-1976 EXCLUDING STOCK ROLLER CAM ENGINES.
			SMALL BLOCK CAR APPLICATIONS ONLY INCLUDES
			DOUBLE SEAMLESS SOLID ROLLER CHAIN, CAST IRON
			CAM SPROCKET & MULTIPLE KEYWAY CRANK
			SPROCKET
		40500	1970-1976 EXCLUDING STOCK ROLLER CAM ENGINES.
			SMALL BLOCK CAR APPLICATIONS ONLY INCLUDES
			SINGLE SEAMLESS SOLID ROLLER CHAIN (.335"
			ROLLER), CAST IRON CAM SPROCKET & MULTIPLE
		40500	KEYWAY CRANK SPROCKET. 1974-1980 EXCLUDING STOCK ROLLER CAM ENGINES.
		40500	SMALL BLOCK TRUCK APPLICATIONS ONLY INCLUDES
			SINGLE SEAMLESS SOLID ROLLER CHAIN (.335"
			ROLLER), CAST IRON CAM SPROCKET & MULTIPLE
			KEYWAY CBANK SPROCKET.
		48500T-9	1970-1976 RECOMMENDED FOR STREET AND STRIP,
			CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES.
			SMALL BLOCK CAR APPLICATIONS ONLY INCLUDES
			SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),
			BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS
			FIT ROLLER THRUST BEARINGS.
		48500W-9	1974-1980 RECOMMENDED FOR STREET AND STRIP,
			CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES.
			SMALL BLOCK TRUCK APPLICATIONS ONLY INCLUDES
			SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),
			BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZE
			WASHER
	Continued on Next Page		

Line No.	Part Title	Part No.	Description
22			ICLUDES TRUCKS) SMALL BLOCK
	3pc Set	48500W-9	1970-1976 RECOMMENDED FOR STREET AND STRIP,
			CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES.
			SMALL BLOCK CAR APPLICATIONS ONLY INCLUDES
			SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),
			BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZE
			WASHER
		40520	1974-1980 EXCLUDING STOCK ROLLER CAM ENGINES.
			SMALL BLOCK TRUCK RACING APPLICATIONS ONLY
			INCLUDES 3/8" HY-VO TEC CHAIN, CAM SPROCKET
			WITH LIGHTENING HOLES & 9-MULTIPLE KEYWAY
			CRANK SPROCKET
		40520	1970-1976 EXCLUDING STOCK ROLLER CAM ENGINES.
			SMALL BLOCK CAR RACING APPLICATIONS ONLY
			INCLUDES 3/8" HY-VO TEC CHAIN, CAM SPROCKET
			WITH LIGHTENING HOLES & 9-MULTIPLE KEYWAY
			CRANK SPROCKET
	Oil Pump	10050-700CT	(MELLING PATENT 5,810,571) HI VOLUME 25%.
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS. SCREW IN VALVE. OFFSET SCREEN FOR
			7." PAN INTEGRATED INTO PUMP BODY. INCLUDES
			OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT
			AND CHROME MOLY I/S SHAFT. CIRCLE TRACK
		10050-750SS	RACING. CHECK FOR PAN AND CRANK CLEARANCE. (MELLING PATENT 5,810,571) HI VOLUME 25%.
		10050-75055	MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS. SCREW IN VALVE. SCREEN FOR 7.5" PAN
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME
			MOLY I/S SHAFT. STREET AND STRIP. CHECK FOR PAN
			AND CRANK CLEARANCE.
		10050-825SS	(MELLING PATENT 5,810,571) HI VOLUME 25%.
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS. SCREW IN VALVE. SCREEN FOR 8.25" PAN
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME
			MOLY I/S SHAFT. STREET AND STRIP. CHECK FOR PAN
			AND CRANK CLEARANCE.
		10055-700CT	(MELLING PATENT 5,810,571) STANDARD VOLUME.
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			7." PAN INTEGRATED INTO PUMP BODY. INCLUDES
			OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME MOLY I/S SHAFT. CIRCLE TRACK
			RACING.
	Continued on Next Page		

22 400 S.B. ENG - 1970-80 - 8 Cyl 4 1/8 Bore (INCLUDES TRUCKS) SMALL BLOCK 0il Pump 10055-7595S (MELLING PATENT 5.810,571) STANDARD VOLUME: UNLTPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTEOTIVE COATINGS. SCREEN FOR 3.25° PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL RELIEF SPRINGS. STUD MOUNTING KIT AND CHARME MULT PLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTEOTIVE COATINGS. SCREEN FOR 3.25° PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL RELIEF SPRINGS. STUD MOUNTING KIT AND CHARME MULT PLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTEOTIVE COATINGS. SCREEN FOR 7.5° PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL RELIEF SPRINGS. STUD MOUNTING KIT AND CHARME MOLY US SHAFT. STREET AND STRIP. 10550 EXC. CHEVY IN VOLUME PUMP (25% ADDL VOL OF OIL) - FEATURES: STEEL GEARS; INCLUDES IS SHAFT WISTEL GUIDE. USES S60 TOMAL MOLY US SHAFT. STREET AND STRIP. 10551 EXC. CHEVY IN VOLUME PUMP (25% ADDL VOL OF OIL) - FEATURES: STEEL GEARS; INCLUDES IN SHAFT WISTEL GUIDE IN SHAFT WISTEL GUIDE. USES S60 TOMAL MARTER SCREEN. CHECK FOR PAN AND CRANK CLEARANCE. 10552 (MELLING PATENT 5.810,571) HI VOLUME PUMP (10% ADDL VOL OF OIL) - FEATURES: STEEL GEARS; SHAFT WITHED INTO COVER FOR SUPPORT. RELIEF VALVE SPRING HAS SCREW IN PLUG INCLUDES (1256) CHARDME MOLY INTERMEDIATE SHAFT WITH STEEL GUIDE. ETHER A BOLT ON OR PRESS IN SCREEN CAN BE USED WITH THIS PUMP. CHECK FOR PAN AND CRANK CLEARANCE. 10552 RACING APPLICATION ON ONLY, (MELLING PATENT S.810,571) HI VOLUME PUMP (10% ADDL VOL OF OLUME PUMP (10% ADDL VOL OF OL) FEATURES: STEEL GEARS; STANDARD VOLUME VERSION OF THE LEGUIDE ENTHER A BOLT ON OR PRESS IN SCREEN CAN BE USED WITH T	Line No.	Part Title	Part No.	Description
Oil Pump 10055-750SS MELLING PATENT 5.810,571) STADADAD VOLUME MULTIPLE PRESQUES ESTINGS, ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS, SCREW IN VALVE, SCREEN FOR 8.25 PAN INTEGRATED INTO PUMP EDOY. INCLUDES OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME UNU TIPLE PRESQUES ESTINGS, ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS, SCREW IN VALVE, SCREEN FOR 7.5 PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME UNU TIPLE PRESQUES ESTINGS, ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS, SCREW IN VALVE, SCREEN FOR 7.5 PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME UNU 'IS SHAFT. STREET AND STRIP. 10550 EXC. CHEVY II HI VOLUME FUMP (26% ADD VOL OF PAN AND CRANK CLEARANCE. 10551 EXC. CHEVY II SIMM INLET HI VOLUME PUMP (25% ADD VOL OF OIL) - FFATURES: STEEL GEARS; INCLUDES IS SHAFT WSTEEL GUIDE: USES 56" DIAMETER SCREEN. OHECK FOR PAN AND CRANK CLEARANCE. 10551 EXC. CHEVY II SIMM INLET HI VOLUME PUMP (25% ADD VOL OF OIL) - FFATURES: STEEL GEARS; MOLUDES IS SHAFT WISTEL GUIDE. USES 34" DIAMETER SCREEN. CHECK FOR PAN AND CRANK CLEARANCE. 10552 (MELLING PATENT 5.810,571) HI VOLUME PUMP (10% ADD VOL OF OIL) - FFATURES: STEEL GEARS; SHAFTS EXTENDED INTO COVER FOR SUPPORT. RELIEF VALVE SPRING HAS SCREW IN PLUG. INCLUDES (12550) CHROME MOLY INTERMEDIATE SHAFT WISTEL GUIDE: STEEL GEARS; SHAFTS SHAFTS EXTENDED INTO COVER FOR SUPPORT. RELIEF VALVE SPRING HAS SCREW IN PLUG. INCLUDES (12550) CHROME MOLY INTERMEDIATE SHAFTS SHAFTS EXTENDED INTO COVER FOR SUPPORT. RELIEF VALVE SPRING HAS SCREW IN PLUG. STEEL GEARS; SHAFTS EXTEL GEARS; STANDARD VOLUME VERSION OF THE 10550 PUMP. 10553				
MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 8.25" PAN INTEGRATED INTO PUMP BODY. INCLUDES OFTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME MOLY I/S SHAFT. STREET AND STRIP. 10055-82555 (MELLING PATENT 5,810.571) STANDARD VOLUME. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT. SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 7.5" PAN INTEGRATED INTO PUMP BODY. INCLUDES OFTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME MOLY I/S SHAFT. STREET AND STRIP. 10550 EXC. CHEVY II HY VOLUME PUMP (25%, ADDL VOL OF OIL) - FEATURES: STELL GEARS; INCLUDES I/S SHAFT WISTEL GUIDE. USES 55% PIAMETER SCREEN. CHECK FOR PAN AND CRANK CLEARANCE. 10551 EXC. CHEVY II HY MOLUME PUMP (25%, ADDL VOL OF OIL) - FEATURES: STELL GEARS; INCLUDES I/S SHAFT WISTELG GUIDE USES 34" DIAMETER SCREEN. CHECK FOR PAN AND CRANK CLEARANCE. 10552 (MELLING PATENT 5,810,571) HI VOLUME PUMP (10%, ADDL VOL OF OIL) - FEATURES: STELL GEARS; INCLUDES I/S SHAFT WISTELG GUIDE. SHAFT BETENDED INTO COVER FOR SUPPORT. RELIEF VALVE SPRING HAS SCREW IN PLUG. INCLUDES I/S SIGL CHOWE MOLY INTERMEDIATE SHAFT WITH STEL GUIDE. SIGL STI JH VOLUME PUMP (10%, ADDL VOL OF OIL) FEATURES: STEEL GEARS; SHAFT S EXTENDED INTO COVER FOR SUPPORT. REFIEF VALVE SPRING HAS SCREW IN PLUG. INCLUDES [1250] CHROME MOLY INTERMEDIATE SHAFT WITH STELL GUIDE. SIGL STIPP FOR AND CRANK CLEARANCE. 10552 RACING APPLICATIONS ONLY. (MELLING PATENT SIGL STIPP. 10554 FEATURES STELL GEARS; STANDARD VOLUME VERSION OF THE 10550 PUMP. 10554 FEATURES STELL GEARS; STANDARD VOLUME VERSION OF THE 10550 PUMP.	66			-
COATINGS. SCREW IN VALVE. SCREEN FOR 8.25" PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME MOLY IS SHAFT. STREET AND STRIP. 10055-82555 IMELLING PATENT 5.810.571) STANDARD VOLUME. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. VIEW DAY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 7.5" PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME MOLY IS SHAFT. STREET AND STRIP. 10550 EXC. CHEVY IN H VOLUME FUMP (25% ADDL VOL OF OIL) - FEATURES: STELL GEARS; INCLUDES IS SHAFT WISTELL GUIDE. USES 56% DIAMETER SCREEN. CHECK FOR PAN AND CRANK CLEARANCE. 10551 EXC. CHEVY IN 19MM INLET H VOLUME PUMP (25% ADDL VOL OF OIL) - FEATURES: STELL GEARS; INCLUDES IS SHAFT WISTEL GUIDE. USES 3.4" DIAMETER SCREEN. CHECK FOR PAN AND CRANK CLEARANCE. 10552 10551 EXC. CHEVY IN STELL GUIDE SUSES 3.4" DIAMETER SCREEN. CHECK FOR PAN AND CRANK CLEARANCE. 10552 MELLING PATENT 5.810.571) HI VOLUME PUMP (10% ADDL VOL OF OIL) - FEATURES: STELL GEARS; INCLUDES IS 500) CHROME MOLY INTERMEDIATE SHAFT WITH STELL GUIDE. ENTER ADDL TO NO R PRESS IN SCREEN CAN BE USED WITH THIS PUMP. CHECK FOR PAN AND CRANK CLEARANCE. 10552 RACING APPLICATIONS ONLY. (IMELLING PATENT S.810.571) HI VOLUME PUMP (10% ADDL VOL OF OL) FEATURES: STELL GEARS; STANDARD VOLUME VERSION OF THE 10550 PUMP. 10554 FEATURES STELL GEARS; STANDARD VOLUME VERSION OF THE 10550 PUMP. 10554 FEATURES STELL GEARS; STANDARD VOLUME VERSION OF THE 10550 PUMP. VERSION OF THE 10550 PUMP. T				
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OIL) - FEATURES: STEEL GEARS; INCLUDES I/S SHAFT WSTEEL GUIDE. USES 58' DIAMETER SCREEN. CHECK FOR PAN AND CRANK CLEARANCE. 10551 EXC. CHEVY II 19MM INLET HI VOLUME PUMP (25% ADDL VOL OF OIL) - FEATURES: STEEL GEARS; INCLUDES I/S SHAFT WISTEEL GUIDE. USES 34" DIAMETER SCREEN. CHECK FOR PAN AND CRANK CLEARANCE. 10552 (MELLING PATENT 5,810,571) HI VOLUME PUMP (10% ADDL VOL OF OIL) - FEATURES: STEEL GEARS; SHAFTS EXTENDED INTO COVER FOR SUPPORT. RELIEF VALVE SPRING HAS SCREW IN PLUG, INCLUDES [12550] CHROME MOLY INTERMEDIATE SHAFT WITH STEEL GUIDE. EITHER A BOLT ON OR PRESS IN SCREEN CAN BE USED WITH THIS PUMP. CHECK FOR PAN AND CRANK CLEARANCE. 10552 RACING APPLICATIONS ONLY. (MELLING PATENT 5,810,571) HI VOLUME PUMP (10%. ADDL VOL OF OIL) FEATURES: STEEL GEARS; SHAFTS EXTENDED INTO COVER FOR PAN AND CRANK CLEARANCE. 10552 RACING APPLICATIONS ONLY. (MELLING PATENT 5,810,571) HI VOLUME PUMP (10%. ADDL VOL OF OIL) FEATURES: STEEL GEARS; SHAFTS EXTENDED INTO COVER FOR SUPPORT. REFIEF VALVE SPRING HAS SCREW IN PLUG, INCLUDES [12550] CHROME MOLY INTERMEDIATE SHAFT WITH STEEL GUIDE. HAS ANTI-CAVITATION GROOVES. EITHER A BOLT ON OR PRESS IN SCREEN CAN BE USED WITH THIS PUMP. CHECK FOR PAN AND CRANK CLEARANCE. 10553 FEATURES STEEL GEARS; STANDARD VOLUME VERSION OF THE 10550 PUMP. 10554 FEATURES STEEL GEARS; STANDARD VOLUME VERSION OF THE 10550 PUMP. 10555 (MELLING PATENT 5,810,571 HI VOLUME PUMP (25% ADDL VOL OF OIL) FEATURES: STEEL GEARS; SHAFTS EXTENDED INTO COVER FOR SUPPORT. RELIEF VALVE SPRING HAS SCREW IN PLUG, INCLUDES [12550] CHROME MOLY INTERMEDIATE SHAFT WITH STEEL GUIDE. EITHER A BOLT ON OR PRESS IN SCREEN CAN BE USED WITH				
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EXTENDED INTO COVER FOR SUPPORT. RELIEF VALVE SPRING HAS SCREW IN PLUG. INCLUDES [12550] CHROME MOLY INTERMEDIATE SHAFT WITH STEEL GUIDE. EITHER A BOLT ON OR PRESS IN SCREEN CAN BE USED WITH THIS PUMP. CHECK FOR PAN AND CRANK CLEARANCE.			10000	
VALVE SPRING HAS SCREW IN PLUG. INCLUDES [12550] CHROME MOLY INTERMEDIATE SHAFT WITH STEEL GUIDE. EITHER A BOLT ON OR PRESS IN SCREEN CAN BE USED WITH THIS PUMP. CHECK FOR PAN AND CRANK CLEARANCE.				
[12550] CHROME MOLY INTERMEDIATE SHAFT WITH STEEL GUIDE. EITHER A BOLT ON OR PRESS IN SCREEN CAN BE USED WITH THIS PUMP. CHECK FOR PAN AND CRANK CLEARANCE.				
STEEL GUIDE. EITHER A BOLT ON OR PRESS IN SCREEN CAN BE USED WITH THIS PUMP. CHECK FOR PAN AND CRANK CLEARANCE.				
SCREEN CAN BE USED WITH THIS PUMP. CHECK FOR PAN AND CRANK CLEARANCE.				
PAN AND CRANK CLEARANCE.				
Continued on Next Page				
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Line		PERFUR	MANCE - CHEVROLET CARS & TRUCKS (Continued)
No.	Part Title	Part No.	Description
22	400 S.B. ENG - 1970-80 - 8 Cyl.	- 4 1/8 Bore (IN	CLUDES TRUCKS) SMALL BLOCK
	Oil Pump	10555C	RACING APPLICATIONS ONLY. (MELLING PATENT 5,810,571) HI VOLUME PUMP (25% ADDL VOL OF OIL) FEATURES: STEEL GEARS; SHAFTS EXTENDED INTO COVER FOR SUPPORT. RELIEF VALVE SPRING HAS SCREW IN PLUG. INCLUDES [12550] CHROME MOLY
			INTERMEDIATE SHAFT WITH STEEL GUIDE. HAS ANTI-CAVITATION GROOVES. EITHER A BOLT ON OR PRESS IN SCREEN CAN BE USED WITH THIS PUMP. CHECK FOR PAN AND CRANK CLEARANCE.
		10990	(MELLING PATENT 5,810,571) HI VOLUME PUMP (25% ADDL VOLUME) FEATURES: SHAFTS EXTENDED INTO COVER FOR SUPPORT. RELIEF VALVE HAS SCREW IN PLUG. INCLUDES [12550] CHROME MOLY INTERMEDIATE SHAFT WITH STEEL GUIDE. INCLUDES STOCK SPRING. CHECK FOR PAN AND CRANK CLEARANCE.
		10990C	RACING APPLICATIONS ONLY. (MELLING PATENT 5,810,571) HI VOLUME PUMP (25% ADDL VOL OF OIL) FEATURES: SHAFTS EXTENDED INTO COVER FOR SUPPORT. RELIEF VALVE HAS SCREW IN PLUG. INCLUDES [12550] CHROME MOLY INTERMEDIATE SHAFT WITH STEEL GUIDE. HAS ANTI-CAVITATION GROOVES. CHECK FOR PAN AND CRANK CLEARANCE.
	Oil Pump Screen	12557	BOLT ON SCREEN. USE W/7" DEEP STOCK TYPE PAN. NOTE: CLEARANCE BETWEEN THE BOLTS AND HOLES ALLOWS 3/16 TO 1/4" ADJUSTMENT UP OR DOWN TO CUSTOM FIT YOUR APPLICATION. BOLT ON SCREEN FOR 10555 PUMP.
		12558	BOLT ON SCREEN. USE WITH 7 1/2" DEEP STOCK TYPE PAN. NOTE: CLEARANCE BETWEEN THE BOLTS AND HOLES ALLOWS 3/16 TO 1/4" ADJUSTMENT UP OR DOWN TO CUSTOM FIT YOUR APPLICATION.
		12559	BOLT ON SCREEN. USE WITH 8" DEEP STOCK TYPE PAN. NOTE: CLEARANCE BETWEEN THE BOLTS AND HOLES ALLOWS 3/16 TO 1/4" ADJUSTMENT UP OR DOWN TO CUSTOM FIT YOUR APPLICATION.
		12564	BOLT ON SCREEN. USE WITH 7" DEEP OVAL TRACK PAN. NOTE: MESH IS TO THE RIGHT. NOTE: CLEARANCE BETWEEN THE BOLTS AND THE HOLES ALLOWS 3/16" TO 1/4" ADJUSTMENT UP OR DOWN TO CUSTOM FIT YOUR APPLICATION.
		12566	BOLT ON SCREEN. USE WITH 7 1/2" DEEP OVAL TRACK PAN. NOTE: MESH IS TO THE RIGHT. NOTE: CLEARANCE BETWEEN THE BOLTS AND THE HOLES ALLOWS 3/16" TO 1/4" ADJUSTMENT UP OR DOWN TO CUSTOM FIT YOUR APPLICATION.
	Oil Pump Drive Shaft	12550	PERFORMANCE TYPE INTERMEDIATE SHAFT. HIGH STRENGTH (150,000 PSI) CHROME MOLY STEEL. IMPROVED SHAFT RETAINER WHICH LOCKS ONTO THE OIL PUMP DRIVE SHAFT

Line No.	Part Title	Part No.			Description		
23	396 ENG - 1965-70 - 8 Cyl 4.0				200011911011		
20	Torque Camshaft			, 		_	
			Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	HYD. USE [VS-320] SPRING W/	MTC-6	204 208	288 298	.459 .459	108 116	112
	INSTALLED HGT. OF 1.90. CAM						
	LIFT INT .270 EXH .270 CLASS I.						
	NOT CALIFORNIA COMPLIANT.						
	NOT COMPUTER COMPATIBLE.						
	POWER RANGE 1000-4500.						
	Camshafts Using Mechanical		Degrees	Degrees	Inches	Degrees	Degrees
	Flat Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
		22206	Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	114
	OEM #3904362. CLASS III. NOT CALIFORNIA COMPLIANT. NOT	22396	242 242	310 297	.520 .520	108 120	114
	COMPUTER COMPATIBLE.						
	POWER RANGE 3200-7200.						
	1965-66 REQUIRES A 3/16" WIDE	22427	264 270	322 322	.559 .580	108 116	112
	X 7/16" DEEP GROOVE CUT IN		201 270	OLL OLL	.000 .000	100 110	112
	THE REAR BEARING JOURNAL.						
	CLASS IV. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	4500-8000.						
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	CLASS I. NOT CALIFORNIA	22100	192 203	271 281	.398 .430	107 117	112
	COMPLIANT. NOT COMPUTER						
	COMPATBLE. POWER RANGE						
	IDLE-4000.						
	CLASS I. NOT CALIFORNIA	22127	190 202	261 272	.438 .465	106 114	110
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	700-4500.	00004	014 004	000.000	500 500	100 110	110
	CLASS II. NOT CALIFORNIA	22204	214 224	292 302	.503 .528	108 116	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1700-5200.	22214	214 214	203 203	503 503	109 119	11/
	1700-5200. CLASS II. NOT CALIFORNIA	22214	214 214	293 293	.503 .503	109 119	114
	1700-5200. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER	22214	214 214	293 293	.503 .503	109 119	114
	1700-5200. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE	22214	214 214	293 293	.503 .503	109 119	114
	1700-5200. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER	22214	214 214	293 293 310 325	.503 .503	109 119	114
	1700-5200. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5200.						
	1700-5200. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5200. CLASS II. NOT CALIFORNIA						
	1700-5200. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5200. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER						
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	1700-5200. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5200. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2200-5700.	22296	222 235	310 325	.500 .505	110 120	115
	1700-5200. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5200. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2200-5700. CLASS III. NOT CALIFORNIA	22296	222 235	310 325	.500 .505	110 120	115
	1700-5200. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5200. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2200-5700. CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER	22296	222 235	310 325	.500 .505	110 120	115

Line No.	Part Title	Part No.			Description		
23	396 ENG - 1965-70 - 8 Cyl 4.0		DES TRUC				
	Camshafts Using Hydraulic Flat			-	la ale a a	Design	Desire
	Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	ooparation
	CLASS III. NOT CALIFORNIA	22306	224 234	302 308	.528 .552	110 118	114
	COMPLIANT. NOT COMPUTER	22000	221 201	002 000	.020 .002	110 110	
	COMPATIBLE. POWER RANGE						
	2500-6000.						
	CLASS IV. NOT CALIFORNIA	22471	240 246	305 311	.559 .572	110 114	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	3200-6700.						
	Camshafts Using Hydraulic		Degrees	Degrees	Inches	Degrees	Degrees
	Roller Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	CLASS IV. NOT CALIFORNIA	22472	237 245	335 329	.626 .639	109 115	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2600-6300. CLASS IV. NOT CALIFORNIA	22480	241 246	305 310	.559 .572	110 114	112
	COMPLIANT. NOT COMPUTER	22400	241 240	303 310	.009 .072	110 114	112
	COMPATIBLE. POWER RANGE						
	3000-6500.						
	CLASS IV. NOT CALIFORNIA	22485	236 246	316 324	.561 .578	106 114	110
	COMPLIANT. NOT COMPUTER			0.0 02.			
	COMPATIBLE. POWER RANGE						
	2600-6300.						
ĺ	Camshafts Using Hydraulic		Degrees	Degrees	Inches	Degrees	Degrees
	Retro-fit Roller Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	FOR USE WITH RETRO-FIT	22141	216 228	288 300	.501 .510	108 116	112
	ROLLER LIFTER [BB817RF16]						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
		22226	224 234	206.000	E07 E44	106 114	110
	FOR USE WITH RETRO-FIT ROLLER LIFTER [BB817RF16]	22236	224 234	296 308	.527 .544	106 114	110
	CLASS II. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2200-5700						
	Mell Lube	M-10012	ENGINE A	SSEMBLY A	ND BREAK-	IN LUBRICA	NT.
			PLATES W	EAR SURF	ACES TO PF	REVENT SC	ORING
					G ENGINE S	TART UP. 4	OZ
			CONTAINE				
	Torque Cam Lifter Kit	CL-MTC-6					
			-	-	G W/INSTAL		
					MPLIANT. KI		
	Hydraulic Flat Tappet Lifters	298174		ORY SETTI	ERS & 4OZ I		
	Hydraulic Flat Tappet Litters	298174			AT ZERO LAS		
		230104		BLE VALVE			
		1					
	Hydraulic Roller Lifters	JB-7003	STOCK RF	PLACEMEN	IT TYPE HYI	D. ROLI FR	

Line No.	Part Title	Part No.	Description
23	396 ENG - 1965-70 - 8 Cyl 4.0		
20	Hydraulic Retro-fit Roller Lifters	BB817RF16	RETRO-FIT LIFTER FOR USE W/ RETRO-FIT ROLLER
	Hydraulic Retro-IIt Roller Litters	BBOITHFID	CAMSHAFTS [22141], [22236]
	Valve Locks	473004	HARDENED 3/8" STEM 2 GROOVE
-		476104	HARDENED 11/32" STEM
-	Valve Spring with Mechanical	VS-320	USE W/ [MTC-6] CAMSHAFT; INSTALLED HGT. OF 1.90
	Lifters		(MACHINING MAY BE REQUIRED)
		VS-320	USE WITH [22100] CAM- NOTE: ASM. HEIGHT OF 1.88
		466154	1965-1970 OUTER- USE WITH [22427] CAM- MACHINING
			MAY BE REQUIRED
		466164	1965-1970 INNER- USE WITH [22427] CAM- MACHINING
			MAY BE REQUIRED
	Valve Spring with Hydraulic	466224	USE WITH [22214], [22204], [22296], [22306], [22302],
	Lifters		[22100] CAMS- NOTE: ASM. HEIGHT OF 1.88-
			MACHINING MAY BE REQUIRED.
	De alson Anna a	466224	USE WITH [22396] CAM- MACHINING MAY BE REQUIRED
-	Rocker Arms	498684	LONG SLOT ROCKER ARM RATIO 1.75 INT. 3/8" DIA. HEAT TREATED FOR GUIDE PLATES MAX.
	Chrome Moly Push Rods	500154	SPRING PRESSURE 350 LBS.
		500164	EXH 3/8" DIA. 9.230 LENGTH - HEAT TREATED FOR
		500104	GUIDE PLATES. MAX. SPRING PRESSURE 350 LBS.
		500294	INT. 7/16" DIA. 8.280 LENGTH, 7/16" DIA. MAX. SPRING
		000234	PRESSURE 350 LBS.
-		500304	EXH. 7/16" DIA. 9.252 LENGTH, 7/16". MAX. SPRING
			PRESSURE 350 LBS.
-	Guide Plates	MGP1064	7/16" THICK- MUST BE USED WITH SCREW-IN ROCKER
			ARM STUDS. (RAISED)
		MGP1074	3/8" THICK- MUST BE USED WITH SCREW-IN ROCKER
			ARM STUDS. (RAISED)
	Gear Drive Set	48410	INCLUDES 8620 CARBURIZED STEEL GEARS, ROLLER
			CAMBUTTON, LOCK PLATE AND BOLTS, TIMING
			ADJUSTED WITH 5 OPTIONAL COLOR CODED DOWEL
			PIN HOLE INSERTS. RECOMMENDED FOR STREET
			AND STRIP, CLAIMER AND RACING ENGINES UP TO
			6,500 RPM. FOR CAR AND TRUCK APPLICATIONS
		48410Q	NOISY SET INCLUDES 8620 CARBURIZED STEEL GEARS, ROLLER
		404100	CAMBUTTON, LOCK PLATE AND BOLTS, TIMING
			ADJUSTED WITH 5 OPTIONAL COLOR CODED DOWEL
			PIN HOLE INSERTS, RECOMMENDED FOR STREET
			AND STRIP, CLAIMER AND RACING ENGINES UP TO
			6,500 RPM. FOR CAR AND TRUCK APPLICATIONS
			QUIET SET
	3pc Set	40205	INCLUDES DOUBLE ROLLER CHAIN, CAST IRON CAM
			SPROCKET, MULTIPLE KEYWAY CRANK SPROCKET.
			CAR AND TRUCK APPLICATIONS. INCLUDES DOUBLE
			ROLLER CHAIN, CAST IRON CAM SPROCKET,
			MULTIPLE KEYWAY CRANK SPROCKET. FOR CAR AND
			TRUCK APPLICATIONS
	Continued on Next Page		

Line			
	Part Title 396 ENG - 1965-70 - 8 Cyl	Part No.	Description
23	,		,
No. 23 3 3	3pc Set	40401	INCLUDES SEAMLESS SOLID ROLLER CHAIN, CAST IRON CAM SPROCKET, MULTIPLE KEYWAY CRANK SPROCKET. CAR AND TRUCK APPLICATIONS. INCLUDES SEAMLESS SOLID ROLLER CHAIN, CAST IRON CAM SPROCKET, MULTIPLE KEYWAY CRANK SPROCKET. FOR CAR AND TRUCK APPLICATIONS.
		40510	INCLUDES SEAMLESS SINGLE SOLID ROLLER CHAIN (.335" ROLLER), CAST IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET EXC. STOCK ROLLER CAM ENGINES. FOR CAR AND TRUCK APPLICATIONS INCLUDES SEAMLESS SINGLE SOLID ROLLER CHAIN (.335" ROLLER), CAST IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET. EXCLUDES STOCK ROLLER CAM ENGINES. FOR CAR AND TRUCK APPLICATIONS.
		48510T-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD, CLAIMER ENGINES. FOR CAR AND TRUCK APPLICATIONS INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/ -4° CAM ADJUSTMENT. PRESS FIT ROLLER THRUST BEARINGS.
		48510W-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD, CLAIMER ENGINES. FOR CAR AND TRUCK APPLICATIONS INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/ -4° CAM ADJUSTMENT. BRONZE WASHER
	Oil Pump	10070-800SS	(MELLING PATENT 5,810,571) HI VOLUME 25%. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 8" PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME MOLY I/S SHAFT. STREET AND STRIP. CHECK FOR PAN AND CRANK CLEARANCE.
		10070-900SS	(MELLING PATENT 5,810,571) HI VOLUME 25%. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 9" PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME MOLY I/S SHAFT. STREET AND STRIP. CHECK FOR PAN AND CRANK CLEARANCE.
	Continued on Next Page	10077-800SS	(MELLING PATENT 5,810,571) STANDARD VOLUME. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 8" PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME MOLY I/S SHAFT. STREET AND STRIP.

Line No.	Part Title	Part No.			Description		
23	396 ENG - 1965-70 - 8 Cyl 4.0				Description		
20	Oil Pump	10077-900SS		PATENT 5,8	210 571) STA		
			MULTIPLE HEAVY DU COATINGS	PRESSURE JTY SHAFT S 5. SCREW IN TED INTO PU	E SETTINGS SUPPORT A N VALVE. SC	. ALUMINUN ND PROTEC REEN FOR	/I BILLET. CTIVE 9" PAN
			RELIEF SF	PRINGS, STU SHAFT. STR	JD MOUNTII	NG KIT AND	
		10770	STEEL GE	IMP (25% AE ARS; INCLU STOCK 3/4"	DES I/S SH	AFT W/STEE	
		10774 FEATURES STEEL GEARS; STANDARD VOLU VERSION OF THE 10770 PUMP.					IME
10778 (MELLING PATENT 5,810,571) HI VOLUME I ADDL VOL OF OIL) FEATURES: STEEL GEA EXTENDED INTO COVER FOR SUPPORT, F VALVE HAS SCREW IN PLUG. INCLUDES [CHROME MOLY INTERMEDIATE SHAFT WI GUIDE. CHECK FOR PAN AND CRANK CLE 10778C (MELLING PATENT 5,810,571) HI VOLUME I				TEEL GEAR PPORT, RE CLUDES [12 SHAFT WITH	ARS; SHAFTS RELIEF [12770] /ITH STEEL		
		10778C	ADDL VOL EXTENDE VALVE HA CHROME GUIDE. HA SPECIAL S	(MELLING PATENT 5,810,571) HI VOLUME PUMP (25% ADDL VOL OF OIL) FEATURES: STEEL GEARS; SHAF EXTENDED INTO COVER FOR SUPPORT, RELIEF VALVE HAS SCREW IN PLUG. INCLUDES [12770] CHROME MOLY INTERMEDIATE SHAFT WITH STEEL GUIDE. HAS ANTI-CAVITATION GROOVES. REQUIRE SPECIAL SCREW IN SCREEN. RACING APPLICATION ONLY. CHECK FOR PAN AND CRANK CLEARANCE.			
	Oil Pump Drive Shaft	12770	STRENGT IMPROVEI	IANCE TYPE H (150,000 F D SHAFT RE UMP DRIVE	PSI) CHROM	E MOLY ST	EEL.
24	400 B.B. ENG - 1970-1973 - 8 C	yl 4.125 Bore	(INCLUDE	S TRUCKS) BIG BLO	СК	
	Torque Camshaft		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
	1970-1971 HYD. USE [VS-320] SPRING W/INSTALLED HGT. OF 1.90. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1000-4500.	MTC-6	Int. Exh. 204 208	Int. Exh. 288 298	Int. Exh. .459 .459	Int. Exh. 108 116	112
	Camshafts Using Mechanical Flat Tappet Lifters		Degrees .050" dur Int. Exh.	Degrees ADV. Dur Int. Exh.	Inches Valve lift Int. Exh.	Degrees Lobe cntr. Int. Exh.	Degrees Separation
	1970-1971 OEM #3904362. CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3200-7200.	22396	242 242	310 297	.520 .520	108 120	114
	Continued on Next Page						

Line No.	Part Title	Part No.			Description		
24	400 B.B. ENG - 1970-1973 - 8 C	yl 4.125 Bore	(INCLUDE			СК	
	Camshafts Using Mechanical		i				Degrees
	Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	1970-1971 1965-66 REQUIRES A	22427	264 270	322 322	.559 .580	108 116	112
	3/16" WIDE X 7/16" DEEP						
	GROOVE CUT IN THE REAR						
	BEARING JOURNAL. CLASS IV.						
	NOT CALIFORNIA COMPLIANT.						
	NOT COMPUTER COMPATIBLE.						
	POWER RANGE 4500-8000.						
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	1970-1971 CLASS I. NOT	22100	192 203	271 281	.398 .430	107 117	112
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATBLE.						
	POWER RANGE IDLE-4000.						
	1970-1971 CLASS I. NOT	22127	190 202	261 272	.438 .465	106 114	110
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 700-4500.						
	1970-1971 CLASS II. NOT	22204	214 224	292 302	.503 .528	108 116	112
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1700-5200. 1970-1971 CLASS II. NOT	22214	214 214	293 293	.503 .503	109 119	114
	CALIFORNIA COMPLIANT. NOT	22214	214 214	293 293	.503 .503	109 119	114
	COMPUTER COMPATIBLE.						
	POWER RANGE 1700-5200.						
	1970-1971 CLASS II. NOT	22296	222 235	310 325	.500 .505	110 120	115
	CALIFORNIA COMPLIANT. NOT	0		0.0.020	.000 .000	110 120	110
	COMPUTER COMPATIBLE.						
	POWER RANGE 2200-5700.						
	1970-1971 CLASS III. NOT	22302	230 230	309 309	.513 .513	106 114	110
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2500-6000.						
	1970-1971 CLASS III. NOT	22306	224 234	302 308	.528 .552	110 118	114
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2500-6000.						
	1970-1971 CLASS IV. NOT	22471	240 246	305 311	.559 .572	110 114	112
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 3200-6700.						
	Camshafts Using Hydraulic Roller Lifters		Degrees .050" dur	Degrees	Inches Valve lift	Degrees	Degrees
				ADV. Dur	Int. Exh.	Lobe cntr. Int. Exh.	Separation
	CLASS IV. NOT CALIFORNIA	22472	Int. Exh. 237 245	Int. Exh. 335 329		109 115	112
	CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER	22412	231 243	<u> </u>	.626 .639	109 115	112
	COMPATIBLE. POWER RANGE						
	2600-6300.						
	Continued on Next Page						

Line No.	Part Title	Part No.			Description			
24	400 B.B. ENG - 1970-1973 - 8 C		(INCLUDE			СК		
<u> </u>	Camshafts Using Hydraulic		r`		Í		_	
	Roller Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation	
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Coparation	
	1970-1971 CLASS IV. NOT	22480	241 246	305 310	.559 .572	110 114	112	
	CALIFORNIA COMPLIANT. NOT	22400	241 240	000 010	.000 .072		112	
	COMPUTER COMPATIBLE.							
	POWER RANGE 3000-6500.							
	CLASS IV. NOT CALIFORNIA	22485	236 246	316 324	.561 .578	106 114	110	
	COMPLIANT. NOT COMPUTER							
	COMPATIBLE. POWER RANGE							
	2600-6300.							
	Camshafts Using Hydraulic		Degrees	Degrees	Inches	Degrees	Degrees	
	Retro-fit Roller Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation	
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.		
	1970-1971 FOR USE WITH	22141	216 228	288 300	.501 .510	108 116	112	
	RETRO-FIT ROLLER LIFTER							
	[BB817RF16] CLASS I. NOT							
	CALIFORNIA COMPLIANT. NOT							
	COMPUTER COMPATIBLE.							
	POWER RANGE 1700-5200							
	1970-1971 FOR USE WITH	22236	224 234	296 308	.527 .544	106 114	110	
	RETRO-FIT ROLLER LIFTER							
	[BB817RF16] CLASS II. NOT							
	CALIFORNIA COMPLIANT. NOT							
	COMPUTER COMPATIBLE.							
	POWER RANGE 2200-5700							
	Mell Lube	M-10012	ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING					
					G ENGINE S	TART UP. 4	02	
	Torque Cam Lifter Kit	CL-MTC-6	CONTAINE		D. NOT CO			
					ITH [VS-320]		\\//	
					1.90. NOT CA		/	
					UDES 1-[MT		16-[JB-817]	
				40Z MELL	-	o oj o <i>i</i> ,	10-[JB-81/]	
	Hydraulic Flat Tappet Lifters	298174			ORY SETTIN	IG		
	, ,	298184			P UP, SET A		SH; MUST	
	Hydraulic Roller Lifters	JB-7003	1970-1971	STOCK RE	PLACEMEN	TYPE; HYI	D. ROLLER	
	Hydraulic Retro-fit Roller Lifters	BB817RF16			DR USE W/ F	RETRO-FIT I	ROLLER	
				TS [22141],				
	Valve Locks	473004			0 3/8" STEM			
		476104			0 11/32" STE		· · · - -	
	Valve Spring with Mechanical	VS-320		-	C-6] CAMSH			
	Lifters	NO 000			NING MAY B			
		VS-320		USE WITH	[22100] CAM	- NOTE: AS	M. HEIGH [
		400154	OF 1.88					
		466154			SE WITH [224	+∠/] ∪AIVI- IV		
		466164	MAY BE R 1970-1971					
	Valve Spring with Hydraulic	466224			[22214], [222	0/11 [200061	[22306]	
	Lifters	700224			S- NOTE: AS			
				IG MAY BE F			01 1.00-	
	Continued on Next Page							

		PERFURI	MANCE - CHEVROLET CARS & TRUCKS (Continued)
Line No.	Part Title	Part No.	Description
24	400 B.B. ENG - 1970-1973 - 8 C	yl 4.125 Bore	(INCLUDES TRUCKS) BIG BLOCK
	Valve Spring with Hydraulic	466224	1970-1971 USE WITH [22396] CAM- MACHINING MAY BE
	Lifters		REQUIRED
	Valve Spring Retainers	475064	1970-1971 CHROME MOLY
	Rocker Arms	498684	1970-1971 LONG SLOT ROCKER ARM RATIO 1.75
	Chrome Moly Push Rods	500154	1970-1971 8.280 LENGTH - HEAT TREATED FOR
			GUIDEPLATES, DRILLED, 3/8" DIAMETER MAX. SPRING
			PRESSURE 350 LBS.
		500164	1970-1971 9.252 LENGTH - HEAT TREATED FOR GUIDE
			PLATES, DRILLED, 3/8" DIAMETER MAX. SPRING
			PRESSURE 350 LBS.
		500294	1970-1971 8.280 LENGTH - DRILLED, 7/16" DIAMETER
			8.280 LENGTH, 7/16" DIA. MAX. SPRING PRESSURE 350
			LBS.
		500304	1970-1971 9.252 LENGTH - DRILLED, 7/16" DIAMETER
			9.252 LENGTH, 7/16". MAX. SPRING PRESSURE 350 LBS.
	Guide Plates	MGP1064	1970-1971 7/16" THICK- MUST BE USED WITH
			SCREW-IN ROCKER ARM STUDS. (RAISED)
		MGP1074	1970-1971 3/8" THICK- MUST BE USED WITH SCREW-IN
			ROCKER ARM STUDS. (RAISED)
	Gear Drive Set	48410	INCLUDES 8620 CARBURIZED STEEL GEARS, ROLLER
			CAMBUTTON, LOCK PLATE AND BOLTS, TIMING
			ADJUSTED WITH 5 OPTIONAL COLOR CODED DOWEL PIN HOLE INSERTS. RECOMMENDED FOR STREET
			AND STRIP, CLAIMER AND RACING ENGINES UP TO
			6,500 RPM. CAR APPLICATIONS ONLY NOISY SET
		48410Q	INCLUDES 8620 CARBURIZED STEEL GEARS, ROLLER
		40410Q	CAMBUTTON, LOCK PLATE AND BOLTS, TIMING
			ADJUSTED WITH 5 OPTIONAL COLOR CODED DOWEL
			PIN HOLE INSERTS. RECOMMENDED FOR STREET
			AND STRIP, CLAIMER AND RACING ENGINES UP TO
			6,500 RPM. CAR APPLICATIONS ONLY QUIET SET
	3pc Set	40205	INCLUDES DOUBLE ROLLER CHAIN, CAST IRON CAM
	•		SPROCKET, MULTIPLE KEYWAY CRANK SPROCKET.
			CAR AND TRUCK APPLICATIONS. INCLUDES DOUBLE
			ROLLER CHAIN, CAST IRON CAM SPROCKET,
			MULTIPLE KEYWAY CRANK SPROCKET. FOR CAR AND
			TRUCK APPLICATIONS
		40401	INCLUDES SEAMLESS SOLID ROLLER CHAIN, CAST
			IRON CAM SPROCKET, MULTIPLE KEYWAY CRANK
			SPROCKET. CAR AND TRUCK APPLICATIONS.
			INCLUDES SEAMLESS SOLID ROLLER CHAIN, CAST
			IRON CAM SPROCKET, MULTIPLE KEYWAY CRANK
		40540	SPROCKET. FOR CAR AND TRUCK APPLICATIONS.
		40510	INCLUDES SEAMLESS SINGLE SOLID ROLLER CHAIN (.335" ROLLER), CAST IRON CAM SPROCKET &
			MULTIPLE KEYWAY CRANK SPROCKET EXC. STOCK
			ROLLER CAM ENGINES, CAR AND TRUCK
			APPLICATIONS INCLUDES SEAMLESS SINGLE SOLID
			ROLLER CHAIN (.335" ROLLER), CAST IRON CAM
			SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET.
			EXCLUDES STOCK ROLLER CAM ENGINES. FOR CAR
			AND TRUCK APPLICATIONS.
	Continued on Next Page		
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Part Title	Part No.	Description
		(INCLUDES TRUCKS) BIG BLOCK
3pc Set	48510T-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE
		TRACK, HOT ROD, CLAIMER ENGINES. CAR
		APPLICATIONS ONLY INCLUDES SEAMLESS DOUBLE
		ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM
		SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4
		-4° CAM ADJUSTMENT. PRESS FIT ROLLER THRUST
		BEARINGS.
	48510W-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE
		TRACK, HOT ROD, CLAIMER ENGINES. CAR
		APPLICATIONS ONLY INCLUDES SEAMLESS DOUBLE
		ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM
		SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4 -4° CAM ADJUSTMENT. BRONZE WASHER
Oil Pump	10070-800SS	1970-1971 (MELLING PATENT 5,810,571) HI VOLUME
On Pump	10070-80055	25%. MULTIPLE PRESSURE SETTINGS. ALUMINUM
		BILLET. HEAVY DUTY SHAFT SUPPORT AND
		PROTECTIVE COATINGS, SCREW IN VALVE, SCREEN
		FOR 8" PAN INTEGRATED INTO PUMP BODY.
		INCLUDES OPTIONAL RELIEF SPRINGS, STUD
		MOUNTING KIT AND CHROME MOLY I/S SHAFT.
		STREET AND STRIP. CHECK FOR PAN AND CRANK
		CLEARANCE.
	10070-900SS	1970-1971 (MELLING PATENT 5,810,571) HI VOLUME
		25%. MULTIPLE PRESSURE SETTINGS. ALUMINUM
		BILLET. HEAVY DUTY SHAFT SUPPORT AND
		PROTECTIVE COATINGS. SCREW IN VALVE. SCREEI
		FOR 9" PAN INTEGRATED INTO PUMP BODY.
		INCLUDES OPTIONAL RELIEF SPRINGS, STUD
		MOUNTING KIT AND CHROME MOLY I/S SHAFT. STREET AND STRIP. CHECK FOR PAN AND CRANK
		CLEARANCE.
	10077-800SS	1970-1971 (MELLING PATENT 5,810,571) STANDARD
		VOLUME. MULTIPLE PRESSURE SETTINGS. ALUMIN
		BILLET. HEAVY DUTY SHAFT SUPPORT AND
		PROTECTIVE COATINGS. SCREW IN VALVE. SCREEM
		FOR 8" PAN INTEGRATED INTO PUMP BODY.
		INCLUDES OPTIONAL RELIEF SPRINGS, STUD
		MOUNTING KIT AND CHROME MOLY I/S SHAFT.
		STREET AND STRIP.
	10077-900SS	1970-1971 (MELLING PATENT 5,810,571) STANDARD
		VOLUME. MULTIPLE PRESSURE SETTINGS. ALUMIN
		BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEI
		FOR 9" PAN INTEGRATED INTO PUMP BODY.
		INCLUDES OPTIONAL RELIEF SPRINGS, STUD
		MOUNTING KIT AND CHROME MOLY I/S SHAFT.
		STREET AND STRIP.
	10770	1970-1971 HI VOL PUMP (25% ADDL VOL OF OIL)
		FEATURES: STEEL GEARS; INCLUDES I/S SHAFT W/
		STEEL GUIDE. WILL USE STOCK 3/4" PRESS-IN
		SCREEN.
	10774	1970-1971 FEATURES STEEL GEARS; STANDARD
		VOLUME VERSION OF THE 10770 PUMP.
Continued on Next Page		

Line		PERFUR			I CARS &		Continued)
No.	Part Title	Part No.			Description		
24	400 B.B. ENG - 1970-1973 - 8 C	yl 4.125 Bore					
	Oil Pump	10778	PUMP (25° GEARS; SI SUPPORT INCLUDES SHAFT WI	ADDL VOI HAFTS EXTI , RELIEF VA 5 [12770] CH	PATENT 5,8 ¹ _ OF OIL) FE ENDED INTO LVE HAS SO ROME MOL GUIDE. CHEO	ATURES: S O COVER FO CREW IN PL Y INTERME	TEEL DR .UG. DIATE
		10778C	PUMP (25° GEARS; SI SUPPORT INCLUDES SHAFT WI GROOVES RACING A CRANK CL	% ADDL VOI HAFTS EXT , RELIEF VA [12770] CH TH STEEL G . REQUIRES PPLICATION .EARANCE.	PATENT 5,8 ¹ OF OIL) FE ENDED INTO LVE HAS SO ROME MOL' GUIDE. HAS S SPECIAL S S SPECIAL S	ATURES: S O COVER FO CREW IN PL Y INTERME ANTI-CAVIT SCREW IN S HECK FOR I	TEEL DR .UG. DIATE ATION CREEN. PAN AND
	Oil Pump Drive Shaft	12770	SHAFT. HI STEEL. IM ONTO THE	GH STRENO PROVED SH E OIL PUMP	ANCE TYPE GTH (150,000 IAFT RETAIL DRIVE SHA) PSI) CHR(NER WHICH	OME MOLY
25	402 ENG - 1971-72 - 8 Cyl 4.1	25 Bore (INCLU	DES TRUC	CKS)			
	Torque Camshaft		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
	HYD. USE [VS-320] SPRING W/ INSTALLED HGT. OF 1.90. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1000-4500.	MTC-6	Int. Exh. 204 208	Int. Exh. 288 298	Int. Exh. .459 .459	Int. Exh. 108 116	112
	Camshafts Using Mechanical Flat Tappet Lifters		Degrees .050" dur Int. Exh.	Degrees ADV. Dur Int. Exh.	Inches Valve lift Int. Exh.	Degrees Lobe cntr. Int. Exh.	Degrees Separation
	OEM #3904362. CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3200-7200.	22396	242 242	310 297	.520 .520	108 120	114
	CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 4500-8000.	22427	264 270	322 322	.559 .580	108 116	112
	Camshafts Using Hydraulic Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
	CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATBLE. POWER RANGE IDLE-4000.	22100	Int. Exh. 192 203	Int. Exh. 271 281	Int. Exh. .398 .430	Int. Exh. 107 117	112
	CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 700-4500.	22127	190 202	261 272	.438 .465	106 114	110
	Continued on Next Page						

Line No.	Part Title	Part No.	-		Description		
	402 ENG - 1971-72 - 8 Cyl 4.1				Description		
25		25 Bore (INCLU		-			
	Camshafts Using Hydraulic Flat Tappet Lifters		Degrees	Degrees	Inches	Degrees	Degrees
	Tapper Litters		.050" dur	ADV. Dur Int. Exh.	Valve lift Int. Exh.	Lobe cntr. Int. Exh.	Separation
	CLASS II. NOT CALIFORNIA	22204	Int. Exh. 214 224	292 302	.503 .528	108 116	112
	COMPLIANT. NOT CALIFORNIA COMPLIANT. NOT COMPUTER	22204	214 224	292 302	.503 .526	106 116	112
	COMPETIANT: NOT COMPOTER COMPATIBLE. POWER RANGE						
	1700-5200.						
	CLASS II. NOT CALIFORNIA	22214	214 214	293 293	.503 .503	109 119	114
	COMPLIANT. NOT COMPUTER	22214	214 214	230 230	.505 .505	103 113	114
	COMPATIBLE. POWER RANGE						
	1700-5200.						
	CLASS II. NOT CALIFORNIA	22296	222 235	310 325	.500 .505	110 120	115
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2200-5700.						
	CLASS III. NOT CALIFORNIA	22302	230 230	309 309	.513 .513	106 114	110
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2500-6000.						
	CLASS III. NOT CALIFORNIA	22306	224 234	302 308	.528 .552	110 118	114
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2500-6000.						
	CLASS IV. NOT CALIFORNIA	22471	240 246	305 311	.559 .572	110 114	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	3200-6700. Camshafts Using Hydraulic						
	Roller Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
	Honer Enters		Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Separation
	CLASS IV. NOT CALIFORNIA	22472	237 245	335 329	.626 .639	109 115	112
	COMPLIANT. NOT COMPUTER		207 240	000 020	.020 .000	100 110	112
	COMPATIBLE. POWER RANGE						
	2600-6300.						
	CLASS IV. NOT CALIFORNIA	22480	241 246	305 310	.559 .572	110 114	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	3000-6500.						
	CLASS IV. NOT CALIFORNIA	22485	236 246	316 324	.561 .578	106 114	110
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2600-6300.						
	Camshafts Using Hydraulic		Degrees	Degrees	Inches	Degrees	Degrees
	Retro-fit Roller Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
		00144	Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	442
	FOR USE WITH RETRO-FIT	22141	216 228	288 300	.501 .510	108 116	112
	ROLLER LIFTER [BB817RF16]						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE						
	1700-5200						
	Continued on Next Page						
	Commund on Moxer age						

	Part Title	Part No.			Description					
	402 ENG - 1971-72 - 8 Cyl 4.1		JDES TRUC		•					
	Camshafts Using Hydraulic			-	Inches	Dogrado	Degrade			
	Retro-fit Roller Lifters		Degrees .050" dur	Degrees ADV. Dur	Valve lift	Degrees Lobe cntr.	Degrees Separation			
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Copulation			
	FOR USE WITH RETRO-FIT	22236	224 234	296 308	.527 .544	106 114	110			
	ROLLER LIFTER [BB817RF16]	0								
	CLASS II. NOT CALIFORNIA									
	COMPLIANT. NOT COMPUTER									
	COMPATIBLE. POWER RANGE									
	2200-5700									
	Mell Lube	M-10012		SSEMBLY A						
				/EAR SURF/						
					G ENGINE S	NE START UP. 4OZ				
			CONTAINE							
	Torque Cam Lifter Kit	CL-MTC-6				OMPATIBLE. USE				
				-		LLED HGT. OF 1.90.				
				T INCLUDE						
				-		OZ MELL LUBE.				
	Hydraulic Flat Tappet Lifters	298174		ORY SETTI	-					
		298184					ST BE USED W/			
┝	Hydraulic Roller Lifters	JB-7003		JSTABLE VALVE TRAIN CK REPLACEMENT TYPE; HYD. ROLLER						
┝	Hydraulic Retro-fit Roller Lifters	BB817RF16								
	nyuraulic Retro-IIt Roller Litters	DD01/NF10			FTER FOR USE W/ RETRO-FIT ROL [22141], [22236]					
┢	Valve Locks	473004		D 3/8" STEN		:				
F		476104		D 11/32" ST		-				
F	Valve Spring with Mechanical	VS-320		TC-6] CAMS		ALLED HG1	T. OF 1.90			
	Lifters		-	NG MAY BE						
Γ		VS-320	USE WITH	[22100] CA	M- NOTE: AS	SM. HEIGHT	OF 1.88			
		466154	OUTER- U	SE WITH [22	2427] CAM- I	MACHINING	MAY BE			
			REQUIRED							
		466164		SE WITH [22	427] CAM- N	IACHINING	MAY BE			
L			REQUIRED							
	Valve Spring with Hydraulic	466224		[22214], [22			2302],			
	Lifters			MS- NOTE:		HI OF 1.88-				
-		400004		IG MAY BE F						
┝	Valve Spring Retainers	466224 475064	CHROME				NEQUINEL			
	Rocker Arms	498684				1 75				
	Chrome Moly Push Rods	500154		IA. HEAT TH			ATES MAX			
		000104		RESSURE 3	-					
F		500164		DIA. 9.230 LI		AT TREATE	D FOR			
				ATES. EXC.						
			PRESSUR	E 350 LBS.						
		500294	INT. 7/16"	DIA 8.280 LE	ENGTH, 7/16	" DIA. MAX.	SPRING			
				E 350 LBS.						
ſ		500304		' DIA 9.252 L	ENGTH, 7/1	6". MAX. SP	RING			
				E 350 LBS.						
[Guide Plates	MGP1064		K- MUST BE		H SCREW-II	N ROCKER			
L				DS. (RAISED	1					
- 1		MGP1074	3/8" THICK	- MUST BE	USED WITH	SCREW-IN	ROCKER			
				DS. (RAISED						

Line No.	Part Title	Part No.	Description
25	402 ENG - 1971-72 - 8 Cyl 4.1		· · ·
Ev	Gear Drive Set	48410	INCLUDES 8620 CARBURIZED STEEL GEARS, ROLLER
			CAMBUTTON, LOCK PLATE AND BOLTS, TIMING
			ADJUSTED WITH 5 OPTIONAL COLOR CODED DOWEL
			PIN HOLE INSERTS. RECOMMENDED FOR STREET
			AND STRIP, CLAIMER AND RACING ENGINES UP TO
			6,500 RPM. FOR CAR AND TRUCK APPLICATIONS
			NOISY SET
		48410Q	INCLUDES 8620 CARBURIZED STEEL GEARS, ROLLER
			CAMBUTTON, LOCK PLATE AND BOLTS, TIMING
			ADJUSTED WITH 5 OPTIONAL COLOR CODED DOWEL
			PIN HOLE INSERTS. RECOMMENDED FOR STREET
			AND STRIP, CLAIMER AND RACING ENGINES UP TO
			6,500 RPM. FOR CAR AND TRUCK APPLICATIONS QUIET SET
	3pc Set	40205	INCLUDES DOUBLE ROLLER CHAIN, CAST IRON CAM
	Spc Set	40203	SPROCKET, MULTIPLE KEYWAY CRANK SPROCKET.
			CAR AND TRUCK APPLICATIONS. INCLUDES DOUBLE
			ROLLER CHAIN, CAST IRON CAM SPROCKET,
			MULTIPLE KEYWAY CRANK SPROCKET. FOR CAR AND
			TRUCK APPLICATIONS
		40401	INCLUDES SEAMLESS SOLID ROLLER CHAIN, CAST
			IRON CAM SPROCKET, MULTIPLE KEYWAY CRANK
			SPROCKET. CAR AND TRUCK APPLICATIONS.
			INCLUDES SEAMLESS SOLID ROLLER CHAIN, CAST
			IRON CAM SPROCKET, MULTIPLE KEYWAY CRANK
		40510	SPROCKET. FOR CAR AND TRUCK APPLICATIONS. INCLUDES SEAMLESS SINGLE SOLID ROLLER CHAIN
		40510	(.335" ROLLER), CAST IRON CAM SPROCKET,
			MULTIPLE KEYWAY CRANK SPROCKET EXC. STOCK
			ROLLER CAM ENGINES. FOR CAR AND TRUCK
			APPLICATIONS INCLUDES SEAMLESS SINGLE SOLID
			ROLLER CHAIN (.335" ROLLER), CAST IRON CAM
			SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET.
			EXCLUDES STOCK ROLLER CAM ENGINES. FOR CAR
			AND TRUCK APPLICATIONS.
		48510T-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE
			TRACK, HOT ROD, CLAIMER ENGINES. FOR CAR AND
			TRUCK APPLICATIONS INCLUDES SEAMLESS DOUBLE
			ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM
			SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/ -4° CAM ADJUSTMENT. PRESS FIT ROLLER THRUST
			BEARINGS.
		48510W-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE
			TRACK, HOT ROD, CLAIMER ENGINES. FOR CAR AND
			TRUCK APPLICATIONS INCLUDES SEAMLESS DOUBLE
			ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM
			SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/
			-4° CAM ADJUSTMENT. BRONZE WASHER
	Continued on Next Page		

Line No.	Part Title	Part No.	Description
25	402 ENG - 1971-72 - 8 Cyl 4.1		•
	Oil Pump	10070-800SS	(MELLING PATENT 5,810,571) HI VOLUME 25%.
	-		MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS. SCREW IN VALVE. SCREEN FOR 8" PAN
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME
			MOLY I/S SHAFT. STREET AND STRIP. CHECK FOR PAN
			AND CRANK CLEARANCE.
		10070-900SS	(MELLING PATENT 5,810,571) HI VOLUME 25%.
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 9" PAN
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME
			MOLY I/S SHAFT. STREET AND STRIP. CHECK FOR PAN
			AND CRANK CLEARANCE.
		10077-800SS	(MELLING PATENT 5,810,571) STANDARD VOLUME.
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS. SCREW IN VALVE. SCREEN FOR 8" PAN
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME
			MOLY I/S SHAFT. STREET AND STRIP.
		10077-900SS	(MELLING PATENT 5,810,571) STANDARD VOLUME.
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 9" PAN
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME
			MOLY I/S SHAFT. STREET AND STRIP.
		10770	HI VOL PUMP (25% ADDL VOL OF OIL) FEATURES:
			STEEL GEARS; INCLUDES I/S SHAFT W/STEEL GUIDE.
			WILL USE STOCK 3/4" PRESS-IN SCREEN.
		10774	FEATURES STEEL GEARS; STANDARD VOLUME
			VERSION OF THE 10770 PUMP.
		10778	(MELLING PATENT 5,810,571) HI VOLUME PUMP (25%
			ADDL VOL OF OIL) FEATURES: STEEL GEARS; SHAFTS
			EXTENDED INTO COVER FOR SUPPORT, RELIEF
			VALVE HAS SCREW IN PLUG. INCLUDES [12770] CHROME MOLY INTERMEDIATE SHAFT WITH STEEL
			GUIDE. CHECK FOR PAN AND CRANK CLEARANCE.
		10778C	(MELLING PATENT 5,810,571) HI VOLUME PUMP (25%
			ADDL VOL OF OIL) FEATURES: STEEL GEARS; SHAFTS
			EXTENDED INTO COVER FOR SUPPORT, RELIEF
			VALVE HAS SCREW IN PLUG. INCLUDES [12770]
			CHROME MOLY INTERMEDIATE SHAFT WITH STEEL
			GUIDE. HAS ANTI-CAVITATION GROOVES. REQUIRES
			SPECIAL SCREW IN SCREEN. RACING APPLICATIONS
			ONLY. CHECK FOR PAN AND CRANK CLEARANCE.
	Oil Pump Drive Shaft	12770	PERFORMANCE TYPE INTERMEDIATE SHAFT. HIGH
			STRENGTH (150,000 PSI) CHROME MOLY STEEL.
			IMPROVED SHAFT RETAINER WHICH LOCKS ONTO THE OIL PUMP DRIVE SHAFT

Line No.	Part Title	Part No.			Description		
26	427 ENG - 1966-69 - 8 Cyl 4.2		PPLICATIO				
	Torque Camshaft		Degrees	Degrees	Inches	Degrees	Degrees
	•		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	HYD. USE [VS-320] SPRING W/	MTC-6	204 208	288 298	.459 .459	108 116	112
	INSTALLED HGT. OF 1.90.						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1000-4500.						
	Camshafts Using Mechanical		Degrees	Degrees	Inches	Degrees	Degrees
	Flat Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	OEM #3904362. CLASS III. NOT	22396	242 242	310 297	.520 .520	108 120	114
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE. POWER RANGE 3200-7200.						
	1966 REQUIRES A 3/16" WIDE X	22427	264 270	322 322	.559 .580	108 116	112
	7/16" DEEP GROOVE CUT IN		204 270	022 022	.000 .000	100 110	112
	THE REAR BEARING JOURNAL.						
	CLASS IV. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	4500-8000.						
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	CLASS I. NOT CALIFORNIA	22100	192 203	271 281	.398 .430	107 117	112
	COMPLIANT. NOT COMPUTER						
	COMPATBLE. POWER RANGE						
	IDLE-4000. CLASS I. NOT CALIFORNIA	22127	190 202	261 272	.438 .465	106 114	110
	COMPLIANT. NOT COMPUTER	22127	190 202	201 272	.436 .405	100 114	110
	COMPATIBLE. POWER RANGE						
	700-4500.						
	CLASS II. NOT CALIFORNIA	22204	214 224	292 302	.503 .528	108 116	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1700-5200.						
	CLASS II. NOT CALIFORNIA	22214	214 214	293 293	.503 .503	109 119	114
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1700-5200.						
	CLASS II. NOT CALIFORNIA	22296	222 235	310 325	.500 .505	110 120	115
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2200-5700. CLASS III. NOT CALIFORNIA	22302	230 230	309 309	.513 .513	106 114	110
	CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER	22302	230 230	208 208	.515.513	100 114	110
	COMPETIANT: NOT COMPOTER COMPATIBLE. POWER RANGE						
	2500-6000.						
	Continued on Next Page						
	5		1	1	1	1	

Line No.	Part Title	Part No.			Description		
26	427 ENG - 1966-69 - 8 Cyl 4.2		PPLICATIO		•		
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	CLASS III. NOT CALIFORNIA	22306	224 234	302 308	.528 .552	110 118	114
	COMPLIANT. NOT COMPUTER		_				
	COMPATIBLE. POWER RANGE						
	2500-6000.						
	CLASS IV. NOT CALIFORNIA	22471	240 246	305 311	.559 .572	110 114	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	3200-6700.						
	Camshafts Using Hydraulic		Degrees	Degrees	Inches	Degrees	Degrees
	Roller Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	CLASS IV. NOT CALIFORNIA	22472	237 245	335 329	.626 .639	109 115	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2600-6300.						
	CLASS IV. NOT CALIFORNIA	22480	241 246	305 310	.559 .572	110 114	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	3000-6500.						
	CLASS IV. NOT CALIFORNIA	22485	236 246	316 324	.561 .578	106 114	110
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2600-6300.						
	Camshafts Using Hydraulic		Degrees	Degrees	Inches	Degrees	Degrees
	Retro-fit Roller Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	FOR USE WITH RETRO-FIT	22141	216 228	288 300	.501 .510	108 116	112
	ROLLER LIFTER [BB817RF16]						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1700-5200 FOR USE WITH RETRO-FIT	22236	224 234	296 308	.527 .544	106 114	110
	ROLLER LIFTER [BB817RF16]	22230	224 204	230 300	.527 .344	100 114	110
	CLASS II. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2200-5700						
	Mell Lube	M-10012	ENGINE A	SSEMBLY A	ND BREAK-		NT.
			_				
			PLATES WEAR SURFACES TO PREVENT SCORIN AND GALLING DURING ENGINE START UP. 40Z				
			CONTAINE				
	Torque Cam Lifter Kit	CL-MTC-6	CLASSIH	YD. NOT CO	OMPUTER C	OMPATIBLE	. USE
			WITH [VS-	320] SPRINO	G W/INSTAL	LED HGT. C	F 1.90.
			NOT CALI	FORNIA COI	MPLIANT. KI	T INCLUDE	S 1-[MTC-6]
			CAM, 16-[J	JB-817] LIFT	ERS & 40Z I	MELL LUBE	
	Hydraulic Flat Tappet Lifters	298174	USE FACT	ORY SETTI	NG		
		298184	ANTI-PUM	IP UP, SET A	AT ZERO LAS	SH; MUST E	E USED W/
				BLE VALVE			
		.			IT TYPE IN		
	Hydraulic Roller Lifters Continued on Next Page	JB-7003	STOCK RE	EPLACEMEN	NT TYPE; HY	D. ROLLER	

Line No.	Part Title	Part No.	Description
	427 ENG - 1966-69 - 8 Cyl 4.2		· · · · ·
26			
	Hydraulic Retro-fit Roller Lifters	BB817RF16	RETRO-FIT LIFTER FOR USE W/ RETRO-FIT ROLLER CAMSHAFT [22141], [22236]
	Valve Locks	473004	HARDENED 3/8" STEM 2 GROOVE
		476104	HARDENED 11/32" STEM
	Valve Spring with Mechanical	VS-320	USE W/ [MTC-6] CAMSHAFT; INSTALLED HGT. OF 1.90
	Lifters	10 020	(MACHINING MAY BE REQUIRED)
		VS-320	USE WITH [22100] CAM- NOTE: ASM. HEIGHT OF 1.88
		466154	OUTER- USE WITH [22427] CAM- MACHINING MAY BE
			REQUIRED
		466164	INNER- USE WITH [22427] CAM- MACHINING MAY BE
			REQUIRED
	Valve Spring with Hydraulic	466224	USE WITH [22214], [22204], [22296], [22306], [22302],
	Lifters		[22100] CAMS- NOTE: ASM. HEIGHT OF 1.88-
			MACHINING MAY BE REQUIRED.
		466224	USE WITH [22396] CAM- MACHINING MAY BE REQUIRED
	Valve Spring Retainers	475064	CHROME MOLY
	Rocker Arms	498684	LONG SLOT ROCKER ARM RATIO 1.75
	Guide Plates	MGP1074	3/8" THICK- MUST BE USED WITH SCREW-IN ROCKER
			ARM STUDS. (RAISED)
	Gear Drive Set	48410	INCLUDES 8620 CARBURIZED STEEL GEARS, ROLLER
			CAMBUTTON, LOCK PLATE AND BOLTS, TIMING
			ADJUSTED WITH 5 OPTIONAL COLOR CODED DOWEL
			PIN HOLE INSERTS. RECOMMENDED FOR STREET
			AND STRIP, CLAIMER AND RACING ENGINES UP TO
		404400	6,500 RPM.; NOISY SET NOISY SET INCLUDES 8620 CARBURIZED STEEL GEARS, ROLLER
		48410Q	CAMBUTTON, LOCK PLATE AND BOLTS, TIMING
			ADJUSTED WITH 5 OPTIONAL COLOR CODED DOWEL
			PIN HOLE INSERTS. RECOMMENDED FOR STREET
			AND STRIP, CLAIMER AND RACING ENGINES UP TO
			6,500 RPM.; QUIET SET QUIET SET
	3pc Set	40205	INCLUDES DOUBLE ROLLER CHAIN, CAST IRON CAM
			SPROCKET, MULTIPLE KEYWAY CRANK SPROCKET.
			INCLUDES DOUBLE ROLLER CHAIN, CAST IRON CAM
			SPROCKET, MULTIPLE KEYWAY CRANK SPROCKET.
			FOR CAR AND TRUCK APPLICATIONS
		40401	INCLUDES SEAMLESS SOLID ROLLER CHAIN, CAST
			IRON CAM SPROCKET, MULTIPLE KEYWAY CRANK
			SPROCKET. INCLUDES SEAMLESS SOLID ROLLER
			CHAIN, CAST IRON CAM SPROCKET, MULTIPLE
			KEYWAY CRANK SPROCKET. FOR CAR AND TRUCK
		40740	APPLICATIONS.
		40510	
			(.335" ROLLER), CAST IRON CAM SPROCKET, MULTIPLE KEYWAY CRANK SPROCKET EXC. STOCK
			ROLLER CAM ENGINES, INCLUDES SEAMLESS SINGLE
			SOLID ROLLER CHAIN (.335" ROLLER), CAST IRON CAM
			SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET.
			EXCLUDES STOCK ROLLER CAM ENGINES. FOR CAR
			AND TRUCK APPLICATIONS.
	Continued on Next Page		

Line			MANCE - CHEVROLET CARS & TRUCKS (Continued)					
No.	Part Title	Part No.	Description					
26	427 ENG - 1966-69 - 8 Cyl 4.250 Bore CAR APPLICATIONS ONLY							
	3pc Set	48510T-9 48510W-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD, CLAIMER ENGINES. INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS FIT ROLLER THRUST BEARINGS. RECOMMENDED FOR STREET AND STRIP, CIRCLE					
		40310₩-3	TRACK, HOT ROD, CLAIMER ENGINES. INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZE WASHER					
	Oil Pump	10070-800SS	(MELLING PATENT 5,810,571) HI VOLUME 25%. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 8" PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME MOLY I/S SHAFT. STREET AND STRIP. CHECK FOR PAN AND CRANK CLEARANCE.					
		10070-900SS	(MELLING PATENT 5,810,571) HI VOLUME 25%. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 9" PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME MOLY I/S SHAFT. STREET AND STRIP. CHECK FOR PAN AND CRANK CLEARANCE.					
		10077-800SS	(MELLING PATENT 5,810,571) STANDARD VOLUME. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 8" PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME MOLY I/S SHAFT. STREET AND STRIP.					
		10077-900SS	(MELLING PATENT 5,810,571) STANDARD VOLUME. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 9" PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME MOLY I/S SHAFT. STREET AND STRIP.					
		10770	HI VOL PUMP (25% ADDL VOL OF OIL) FEATURES: STEEL GEARS; INCLUDES I/S SHAFT W/STEEL GUIDE. WILL USE STOCK 3/4" PRESS-IN SCREEN.					
		10774	FEATURES STEEL GEARS; STANDARD VOLUME VERSION OF THE 10770 PUMP.					
	Continued on Next Page	10778	HI VOLUME PUMP (25% ADDL VOL OF OIL) FEATURES: STEEL GEARS; SHAFTS EXTENDED INTO COVER FOR SUPPORT, RELIEF VALVE HAS SCREW IN PLUG. INCLUDES [12770] CHROME MOLY INTERMEDIATE SHAFT WITH STEEL GUIDE. CHECK FOR PAN AND CRANK CLEARANCE.					
	Commueu on Next Page							

Line No.	Part Title	Part No.			Description		
26	427 ENG - 1966-69 - 8 Cyl 4.2		PPLICATIO				
20	Oil Pump	10778C	HI VOLUM	E PUMP (25		,	
			STEEL GEARS; SHAFTS EXTENDED INTO COVER FO SUPPORT, RELIEF VALVE HAS SCREW IN PLUG.				
				, RELIEF VA S [12770] CH			
				TH STEEL G			
			GROOVES	. REQUIRES	S SPECIAL S	SCREW IN S	CREEN.
			RACING A	PPLICATION	NS ONLY. CH	HECK FOR I	PAN AND
				EARANCE.			
	Oil Pump Drive Shaft	12770		IANCE TYPE			
				H (150,000 F D SHAFT RE			
				UMP DRIVE			
27	427 ENG - 1980-90 - 8 Cyl 4.2	250 Bore (MEDIL				IS ONLY	
	Torque Camshaft		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	HYD. USE [VS-320] SPRING W/ INSTALLED HGT. OF 1.90.	MTC-6	204 208	288 298	.459 .459	108 116	112
	CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE						
	1000-4500. Camshafts Using Mechanical						
	Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	ooparadon
	OEM #3904362. CLASS III. NOT	22396	242 242	310 297	.520 .520	108 120	114
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 3200-7200. CLASS IV. NOT CALIFORNIA	22427	264 270	322 322	.559 .580	108 116	112
	COMPLIANT. NOT COMPUTER	22421	204 270	522 522	.559 .560	100 110	112
	COMPATIBLE. POWER RANGE						
	4500-8000.						
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
		22100	Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	110
	CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER	22100	192 203	271 281	.398 .430	107 117	112
	COMPATBLE. POWER RANGE						
	IDLE-4000.						
	CLASS I. NOT CALIFORNIA	22127	190 202	261 272	.438 .465	106 114	110
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	700-4500. CLASS II. NOT CALIFORNIA	22204	014 004	202 202	E02 E00	100 116	110
	COMPLIANT. NOT CALIFORNIA COMPLIANT. NOT COMPUTER	22204	214 224	292 302	.503 .528	108 116	112
	COMPATIBLE. POWER RANGE						
	1700-5200.						
	CLASS II. NOT CALIFORNIA	22214	214 214	293 293	.503 .503	109 119	114
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1700-5200. Continued on Next Page						
	Commuted on NEXLE aye						

Line No.	Part Title	Part No.			Description		
27	427 ENG - 1980-90 - 8 Cyl 4.2		עדוום או .				
	Camshafts Using Hydraulic Flat		,				
	Tappet Lifters		Degrees	Degrees	Inches	Degrees	Degrees
	Tapper Litters		.050" dur Int. Exh.	ADV. Dur Int. Exh.	Valve lift	Lobe cntr. Int. Exh.	Separation
		00000	222 235	310 325	Int. Exh. .500 .505	110 120	115
	CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER	22296	222 235	310 325	.500 .505	110 120	115
	COMPETIANT: NOT COMPOTER COMPATIBLE. POWER RANGE						
	2200-5700.						
	CLASS III. NOT CALIFORNIA	22302	230 230	309 309	.513 .513	106 114	110
	COMPLIANT. NOT COMPUTER	22302	230 230	309 309	.515 .515	100 114	110
	COMPATIBLE. POWER RANGE						
	2500-6000.						
	CLASS III. NOT CALIFORNIA	22306	224 234	302 308	.528 .552	110 118	114
	COMPLIANT. NOT COMPUTER	22000	22. 20.	002 000	.020 .002	110 110	
	COMPATIBLE. POWER RANGE						
	2500-6000.						
	CLASS IV. NOT CALIFORNIA	22471	240 246	305 311	.559 .572	110 114	112
	COMPLIANT. NOT COMPUTER					-	
	COMPATIBLE. POWER RANGE						
	3200-6700.						
	Camshafts Using Hydraulic		Degrees	Degrees	Inches	Degrees	Degrees
	Roller Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	CLASS IV. NOT CALIFORNIA	22472	237 245	335 329	.626 .639	109 115	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2600-6300.						
	CLASS IV. NOT CALIFORNIA	22480	241 246	305 310	.559 .572	110 114	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	3000-6500.						
	CLASS IV. NOT CALIFORNIA	22485	236 246	316 324	.561 .578	106 114	110
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2600-6300.						
	Camshafts Using Hydraulic		Degrees	Degrees	Inches	Degrees	Degrees
	Retro-fit Roller Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	FOR USE WITH RETRO-FIT	22141	216 228	288 300	.501 .510	108 116	112
	ROLLER LIFTERS [BB817RF16]						
	AND [BB969RF16] CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1700-5200	00006	004 004	006 000		106 114	110
	FOR USE WITH RETRO-FIT	22236	224 234	296 308	.527 .544	106 114	110
	ROLLER LIFTERS [BB817RF16]						
	AND [BB969RF16] CLASS II. NOT CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2200-5700						
	Continued on Next Page						
	Contract on Wext r age						

Line No.	Part Title	Part No.	Description
27			JM DUTY) TRUCK APPLICATIONS ONLY
	Mell Lube	M-10012	ENGINE ASSEMBLY AND BREAK-IN LUBRICANT.
			PLATES WEAR SURFACES TO PREVENT SCORING
			AND GALLING DURING ENGINE START UP. 40Z
			CONTAINER.
	Torque Cam Lifter Kit	CL-MTC-6	CLASS I HYD. NOT COMPUTER COMPATIBLE. USE
		•= • •	WITH [VS-320] SPRING W/INSTALLED HGT. OF 1.90.
			NOT CALIFORNIA COMPLIANT. KIT INCLUDES 1-[MTC-6]
			CAM, 16-[JB-817] LIFTERS & 40Z MELL LUBE.
	Hydraulic Flat Tappet Lifters	298174	USE FACTORY SETTING
		298184	ANTI-PUMP UP, SET AT ZERO LASH; MUST BE USED W/
			ADJUSTABLE VALVE TRAIN
	Hydraulic Roller Lifters	JB-7003	STOCK REPLACEMENT TYPE
	Hydraulic Retro-fit Roller Lifters	BB817RF16	1980-1987 RETRO-FIT LIFTER FOR USE W/ RETRO-FIT
		220111110	ROLLER CAMSHAFTS [22141], [22236]
		BB969RF16	1988-1990 RETRO-FIT LIFTER FOR USE W/ RETRO-FIT
		2200011110	ROLLER CAMSHAFTS [22141], [22236]
	Valve Locks	473004	HARDENED 3/8" STEM 2 GROOVE
		476104	HARDENED 11/32" STEM
	Valve Spring with Mechanical	VS-320	USE W/ [MTC-6] CAMSHAFT; INSTALLED HGT. OF 1.90
	Lifters		(MACHINING MAY BE REQUIRED)
		VS-320	USE WITH [22100] CAM- NOTE: ASM. HEIGHT OF 1.88
		466154	OUTER- USE WITH [22427] CAM- MACHINING MAY BE
			REQUIRED
		466164	INNER- USE WITH [22427] CAM- MACHINING MAY BE
			REQUIRED
	Valve Spring with Hydraulic	466224	USE WITH [22214], [22204], [22296], [22306], [22302],
	Lifters		[22100] CAMS- NOTE: ASM. HEIGHT OF 1.88-
			MACHINING MAY BE REQUIRED.
İ		466224	USE WITH [22396] CAM- MACHINING MAY BE REQUIRED
	Valve Spring Retainers	475064	CHROME MOLY
	Rocker Arms	498684	LONG SLOT ROCKER ARM RATIO 1.75
	Chrome Moly Push Rods	500624	INT. 3/8" DIA. MAX. SPRING PRESSURE 350 LBS.
		500634	EXH. 3/8" DIA. MAX. SPRING PRESSURE 350 LBS.
	Guide Plates	MGP1064	7/16" THICK- MUST BE USED WITH SCREW-IN ROCKER
			ARM STUDS. (RAISED)
		MGP1074	3/8" THICK- MUST BE USED WITH SCREW-IN ROCKER
			ARM STUDS. (RAISED)
	Gear Drive Set	48410	INCLUDES 8620 CARBURIZED STEEL GEARS, ROLLER
			CAMBUTTON, LOCK PLATE AND BOLTS, TIMING
			ADJUSTED WITH 5 OPTIONAL COLOR CODED DOWEL
			PIN HOLE INSERTS. RECOMMENDED FOR STREET
			AND STRIP, CLAIMER AND RACING ENGINES UP TO
			6,500 RPM.; NOISY SET NOISY SET
		48410Q	INCLUDES 8620 CARBURIZED STEEL GEARS, ROLLER
			CAMBUTTON, LOCK PLATE AND BOLTS, TIMING
			ADJUSTED WITH 5 OPTIONAL COLOR CODED DOWEL
			PIN HOLE INSERTS. RECOMMENDED FOR STREET
			AND STRIP, CLAIMER AND RACING ENGINES UP TO
			6,500 RPM.; QUIET SET QUIET SET
	Continued on Next Page		

Line			MANCE - CHEVROLET CARS & TRUCKS (Continued)
No.	Part Title	Part No.	Description
27	-		JM DUTY) TRUCK APPLICATIONS ONLY
	3pc Set	40205	INCLUDES DOUBLE ROLLER CHAIN, CAST IRON CAM
			SPROCKET, MULTIPLE KEYWAY CRANK SPROCKET.
			INCLUDES DOUBLE ROLLER CHAIN, CAST IRON CAM
			SPROCKET, MULTIPLE KEYWAY CRANK SPROCKET.
		40.404	FOR CAR AND TRUCK APPLICATIONS
		40401	INCLUDES SEAMLESS SOLID ROLLER CHAIN, CAST IRON CAM SPROCKET, MULTIPLE KEYWAY CRANK
			SPROCKET. INCLUDES SEAMLESS SOLID ROLLER
			CHAIN, CAST IRON CAM SPROCKET, MULTIPLE
			KEYWAY CRANK SPROCKET. FOR CAR AND TRUCK
			APPLICATIONS.
		40510	INCLUDES SEAMLESS SINGLE SOLID ROLLER CHAIN
			(.335" ROLLER), CAST IRON CAM SPROCKET,
			MULTIPLE KEYWAY CRANK SPROCKET EXC. STOCK
			ROLLER CAM ENGINES. INCLUDES SEAMLESS SINGLE
			SOLID ROLLER CHAIN (.335" ROLLER), CAST IRON CAM
			SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET.
			EXCLUDES STOCK ROLLER CAM ENGINES. FOR CAR
			AND TRUCK APPLICATIONS.
		48510T-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE
			TRACK, HOT ROD, CLAIMER ENGINES. INCLUDES
			SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),
			BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS
		40540140	
		48510W-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE
			TRACK, HOT ROD, CLAIMER ENGINES. INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),
			BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZE
			WASHER
	Oil Pump	10070-800SS	(MELLING PATENT 5,810,571) HI VOLUME 25%.
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS. SCREW IN VALVE. SCREEN FOR 8" PAN
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME
			MOLY I/S SHAFT. STREET AND STRIP. CHECK FOR PAN
			AND CRANK CLEARANCE.
		10070-900SS	(MELLING PATENT 5,810,571) HI VOLUME 25%.
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS. SCREW IN VALVE. SCREEN FOR 9" PAN
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME
			MOLY I/S SHAFT. STREET AND STRIP. CHECK FOR PAN AND CRANK CLEARANCE.
	Continued on Next Page		
	Continued on Next Page		

Line No.	Part Title	Part No.			Description			
27	427 ENG - 1980-90 - 8 Cyl 4.2		JM DUTY) 1					
	Oil Pump	10077-800SS	,	PATENT 5,8			LUME.	
	• · · · •····P			PRESSURE				
				JTY SHAFT				
			COATINGS	S. SCREW IN	VALVE. SC	REEN FOR	8" PAN	
			INTEGRAT	ED INTO PU	JMP BODY.	INCLUDES	OPTIONAL	
			RELIEF SF	RINGS, STU	JD MOUNTI	NG KIT AND	CHROME	
			MOLY I/S	SHAFT. STR	EET AND S	TRIP.		
		10077-900SS	(MELLING	PATENT 5,8	310,571) STA	ANDARD VO	LUME.	
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLE					
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 9" PAN					
			INTEGRATED INTO PUMP BODY. INCLUDES OPTI RELIEF SPRINGS, STUD MOUNTING KIT AND CHR					
				SHAFT. STR				
		10770	HI VOL PUMP (25% ADDL VOL OF OIL) FEATURES					
			STEEL GEARS; INCLUDES I/S SHAFT W/STEEL GUIDE.					
			WILL USE STOCK 3/4" PRESS-IN SCREEN.					
		10774	FEATURES STEEL GEARS; STANDARD VOLUME					
			VERSION OF THE 10770 PUMP.					
		10778	(MELLING PATENT 5,810,571) HI VOLUME PUMP					
			ADDL VOL OF OIL) FEATURES: STEEL GEARS; SHA EXTENDED INTO COVER FOR SUPPORT, RELIEF					
				S SCREW I		-	-	
-		10778C		HECK FOR F				
		10//80		OF OIL) FE			•	
				D INTO COV				
				S SCREW I				
						-	-	
				AS ANTI-CA				
				SCREW IN S				
				ECK FOR PA				
-	Oil Pump Drive Shaft	12770		IANCE TYPE				
			_	H (150,000 F		-	-	
) SHAFT RE				
			THE OIL P	UMP DRIVE	SHAFT			
28	454 ENG - 1970-76 - 8 Cyl 4.2	50 Bore (CAR A	PPLICATI	ONS ONLY)			
	Torque Camshaft	```	Degrees	Degrees	Inches	Degrees	Degrees	
	-		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation	
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.		
	HYD. USE [VS-320] SPRING W/	MTC-6	204 208	288 298	.459 .459	108 116	112	
	INSTALLED HGT. OF 1.90.							
	CLASS I. NOT CALIFORNIA							
	COMPLIANT. NOT COMPUTER							
	COMPATIBLE. POWER RANGE							
	1000-4500.							
Ī	Continued on Next Page							

Line No.	Part Title	Part No.			Description		
28	454 ENG - 1970-76 - 8 Cyl 4.2						
20	Camshafts Using Mechanical				Í	D	P
	Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Copulation
	OEM #3904362. CLASS III. NOT	22396	242 242	310 297	.520 .520	108 120	114
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 3200-7200.						
	CLASS IV. NOT CALIFORNIA	22427	264 270	322 322	.559 .580	108 116	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	4500-8000.						
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	CLASS I. NOT CALIFORNIA	22100	192 203	271 281	.398 .430	107 117	112
	COMPLIANT. NOT COMPUTER						
	COMPATBLE. POWER RANGE						
	IDLE-4000. CLASS I. NOT CALIFORNIA	22127	190 202	261 272	.438 .465	106 114	110
	COMPLIANT. NOT CALIFORNIA	22127	190 202	201 272	.436 .405	100 114	110
	COMPATIBLE. POWER RANGE						
	700-4500.						
	CLASS II. NOT CALIFORNIA	22204	214 224	292 302	.503 .528	108 116	112
	COMPLIANT. NOT COMPUTER			202 002	.000 .020	100 110	
	COMPATIBLE. POWER RANGE						
	1700-5200.						
	CLASS II. NOT CALIFORNIA	22214	214 214	293 293	.503 .503	109 119	114
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1700-5200.						
	CLASS II. NOT CALIFORNIA	22296	222 235	310 325	.500 .505	110 120	115
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2200-5700.						
	CLASS III. NOT CALIFORNIA	22302	230 230	309 309	.513 .513	106 114	110
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2500-6000. CLASS III. NOT CALIFORNIA	22306	224 234	302 308	.528 .552	110 118	114
	COMPLIANT. NOT CALIFORNIA	22300	224 234	302 308	.526 .552	110 116	114
	COMPATIBLE. POWER RANGE						
	2500-6000.						
	CLASS IV. NOT CALIFORNIA	22471	240 246	305 311	.559 .572	110 114	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	3200-6700.						
	Camshafts Using Hydraulic		Degrees	Degrees	Inches	Degrees	Degrees
	Roller Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	CLASS IV. NOT CALIFORNIA	22472	237 245	335 329	.626 .639	109 115	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2600-6300.						
	Continued on Next Page						

•	Part Title	Part No.			Description		
	454 ENG - 1970-76 - 8 Cyl 4.2						
	Camshafts Using Hydraulic				Í	_	_
	Roller Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Deparation
	CLASS IV. NOT CALIFORNIA	22480	241 246	305 310	.559 .572	110 114	112
	COMPLIANT. NOT COMPUTER	22400	241 240	303 310	.559 .572	110 114	112
	COMPATIBLE. POWER RANGE						
	3000-6500.						
F	CLASS IV. NOT CALIFORNIA	22485	236 246	316 324	.561 .578	106 114	110
	COMPLIANT. NOT COMPUTER			0.0 02.			
	COMPATIBLE. POWER RANGE						
	2600-6300.						
ľ	Camshafts Using Hydraulic		Degrees	Degrees	Inches	Degrees	Degrees
	Retro-fit Roller Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	FOR USE WITH RETRO-FIT	22141	216 228	288 300	.501 .510	108 116	112
	ROLLER LIFTER [BB817RF16]						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1700-5200						
	FOR USE WITH RETRO-FIT	22236	224 234	296 308	.527 .544	106 114	110
	ROLLER LIFTER [BB817RF16]						
	CLASS II. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
L	2200-5700						
	Mell Lube	M-10012		SSEMBLY A			
				VEAR SURF			
					G ENGINE S	TART UP. 4	ΟZ
ŀ	Torque Cam Lifter Kit	CL-MTC-6		ER. IYD. NOT CO			
	Torque Cam Linter Kit			320] SPRIN			
			-	FORNIA COI			
				JB-817] LIFT			
ł	Hydraulic Flat Tappet Lifters	298174		ORY SETTI			•
F	······································	298184		IP UP, SET A		SH: MUST E	E USED W
				BLE VALVE		- ,	
ſ	Hydraulic Roller Lifters	JB-7003	STOCK RE	EPLACEMEN	IT TYPE; HY	D. ROLLER	
ſ	Hydraulic Retro-fit Roller Lifters	BB817RF16	RETRO-FI	T LIFTER FO	DR USE W/ F	RETRO-FIT I	ROLLER
			CAMSHAF	TS [22141],	[22236]		
	Valve Locks	473004	HARDENE	ED 3/8" STEN	1 2 GROOVE	-	
		476104		D 11/32" ST			
	Valve Spring with Mechanical	VS-320	-	ITC-6] CAMS			r. of 1.90
	Lifters			NG MAY BE	,		
		VS-320		I [22100] CA			
		466154		ISE WITH [22	2427] CAM- I	MACHINING	MAY BE
╞		400404			4071 0 414 1		
		466164		SE WITH [22	427] CAM- N	IACHINING	MAY BE
╞	Value Onving with the tar th	400004			0041 00000	1 [00000] [7	00001
	Valve Spring with Hydraulic	466224		1 [22214], [22			2302],
	Lifters			AMS- NOTE:		11 UF 1.88-	
				IG MAY BE F			
┢		466224	USE WITH				BEULIDEL

Line
No.
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454 ENG - 1970-76 - 8 Cyl 4.250 Bore (CAR APPLICATIONS ONLY) Valve Spring Retainers 475064 CHROME MOLY Rocker Arms 498684 LONG SLOT ROCKER ARM RATIO 1.75 Chrome Moly Push Rods 500154 INT. 3/8" DIA. HEAT TREATED FOR GUIDE PLATES MAX. SPRING PRESSURE 350 LBS. 500164 EXH. 3/8" DIA. HEAT TREATED FOR GUIDE PLATES MAX. SPRING PRESSURE 350 LBS. 500294 500294 INT. 7/16" DIA 9.230 LENGTH - HEAT TREATED FOR GUIDE PLATES. MAX. SPRING PRESSURE 350 LBS. 500304 EXH. 3/7 DIA 9.232 LENGTH - /16". MAX. SPRING PRESSURE 350 LBS. Guide Plates MGP1064 7/16" THICK. MUST BE USED WITH SCREW-IN ROCKER ARM STUDS. (RAISED) Gear Drive Set 48410 INCLUDES 8620 CARBURIZED STEEL GEARS, ROLLER CAMBUTTON, LOCK PLATE AND BOLTS, TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODED DOWEL PIN HOLE INSERTS. RECOMMENDED FOR STREET AND STRIP, CLAIMER AND RACING ENGINES UP TO 6,500 RPM.; NOISY SET NOISY SET 48410Q INCLUDES 6620 CARBURIZED STEEL GEARS, ROLLER CAMBUTTON, LOCK PLATE AND BOLTS, TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODED DOWEL PIN HOLE INSERTS. RECOMMENDED FOR STREET AND STRIP, CLAIMER AND RACING ENGINES UP TO 6,500 RPM.; QUIET SET QUIET SET 3pc Set 40205 INCLUDES COUBLE ROLLER CHAIN, CAST IRON CAM SPROCKET, MULTIPLE KEYWAY CRANK SPROCKET. INCLUDES DOUBLE ROLLER CHAIN, CAST IRON CAM SPROCKET, MULTIPLE KEYWAY CRANK SPROCKET. INCLUDES DOUBLER OLLER CHAIN, CAST IRON CAM SPROCKET, MULTIPLE	Part Title	Part No.	Description
Yalve Spring Retainers 475064 CHROME MOLY Rocker Arms 499684 LONG SLOT ROCKER ARM RATIO 1.75 Chrome Moly Push Rods 500154 INT. 3/8' DIA. JEAT TREATED FOR GUIDE PLATES MAX. SPRING PRESSURE 350 LBS. 500164 EXH. 3/8' DIA. JSQU LENGTH. HEAT TREATED FOR GUIDE PLATES. MAX. SPRING PRESSURE 350 LBS. 500294 INT. 7/16' DIA 3252 LENGTH. 7/16''. MAX. SPRING PRESSURE 350 LBS. Guide Plates MGP1064 7/16'' THICK. MUST BE USED WITH SCREW-IN ROCKER ARM STUDS. (RAISED) Gear Drive Set 48410 INCLUDES 5620 CARBURIZED STEEL GEARS, ROLLER CAMBUTTON, LOCK PLATE AND BOLTS, TIMING ADJUSTE WITH 5 OPTIONAL COLOR CODED DOWEL PIN HOLE INSERTS. RECOMMENDED FOR STREET AND STRIP, CLAIMER AND RACING ENGINES UP TO 6,500 RPM.; NOISY SET NOISY SET 3pc Set 48410Q INCLUDES 5620 CARBURIZED STEEL GEARS, ROLLER CAMBUTTON, LOCK PLATE AND BOLTS, TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODED DOWEL PIN HOLE INSERTS. RECOMMENDED FOR STREET AND STRIP, CLAIMER AND RACING ENGINES UP TO 6,500 RPM.; NOISY SET NOISY SET 3pc Set 40205 INCLUDES DOUBLE ROLLER CHAIN, CAST IRON CAM SPROCKET, MULTIPLE KEYWAY CRANK SPROCKET. INCLUDES DOUBLE ROLLER CHAIN, CAST IRON CAM SPROCKET, MULTIPLE KEYWAY CRANK SPROCKET. FOR CAR AND TRUCK APPLICATIONS 40510 INCLUDES SEAMLESS SIDID ROLLER CHAIN, CAST IRON CAM SPROCKET. FOR CAR AND TRUCK APPLICATIONS. 40510 INCLUDES SEAMLESS SINGLE SOLLER CHAIN, CAST IRON CAM S			
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MGP1074 3/8' THICK- MUST BE USED WITH SCREW-IN ROCKER ARM STUDS. (RAISED) Gear Drive Set 48410 INCLUDES 8620 CARBURIZED STEEL GEARS, ROLLER CAMBUTTON, LOCK PLATE AND BOLTS, TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODED DOWEL PIN HOLE INSERTS. RECOMMENDED FOR STREET AND STRIP, CLAIMER AND RACING ENGINES UP TO 6,500 RPM.; NOISY SET NOISY SET 48410Q INCLUDES 8620 CARBURIZED STEEL GEARS, ROLLER CAMBUTTON, LOCK PLATE AND BOLTS, TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODED DOWEL PIN HOLE INSERTS. RECOMMENDED FOR STREET AND STRIP, CLAIMER AND RACING ENGINES UP TO 6,500 RPM.; QUIET SET QUIET SET 3pc Set 40205 INCLUDES DOUBLE ROLLER CHAIN, CAST IRON CAM SPROCKET, MULTIPLE KEYWAY CRANK SPROCKET. INCLUDES DOUBLE ROLLER CHAIN, CAST IRON CAM SPROCKET, MULTIPLE KEYWAY CRANK SPROCKET. INCLUDES DOUBLE ROLLER CHAIN, CAST IRON CAM SPROCKET, MULTIPLE KEYWAY CRANK SPROCKET. FOR CAR AND TRUCK APPLICATIONS 40011 INCLUDES SEAMLESS SOLID ROLLER CHAIN, CAST IRON CAM SPROCKET, MULTIPLE KEYWAY CRANK SPROCKET. FOR CAR AND TRUCK APPLICATIONS 40510 INCLUDES SEAMLESS SOLID ROLLER CHAIN, CAST IRON CAM SPROCKET, MULTIPLE KEYWAY CRANK SPROCKET, CHAIN, CAST IRON CAM SPROCKET, FOR CAR AND TRUCK APPLICATIONS. 40510 INCLUDES STOK RONCLER, CAR AND TRUCK ROLLER CAN SPROCKET. FOR CAR AND TRUCK APPLICATIONS. 48510T-9 RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD, CLAIMER ENGINES. INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (250' ROLLER), BILLET STEEL CAM SPROCKET & WICH 44''4'' CAM ADJUSTMENT. PRESS FIT ROLLER THRUST BEARINGS.	Guide Plates	MGP1064	
Gear Drive Set 48410 INCLUDES 6620 CARBURIZED STEEL GEARS, ROLLER CAMBUTTON, LOCK PLATE AND BOLTS, TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODED DOWEL PIN HOLE INSERTS. RECOMMENDED FOR STREET AND STRIP, CLAIMER AND RACING ENGINES UP TO 6,500 RPM.; NOISY SET NOISY SET 48410Q INCLUDES 6620 CARBURIZED STEEL GEARS, ROLLER CAMBUTTON, LOCK PLATE AND BOLTS, TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODED DOWEL PIN HOLE INSERTS. RECOMMENDED FOR STREET AND STRIP, CLAIMER AND RACING ENGINES UP TO 6,500 RPM.; QUIET SET QUIET SET 3pc Set 40205 INCLUDES DOUBLE ROLLER CHAIN, CAST IRON CAM SPROCKET, MULTIPLE KEYWAY CRAIK SPROCKET. INCLUDES DOUBLE ROLLER CHAIN, CAST IRON CAM SPROCKET, MULTIPLE KEYWAY CRAIK SPROCKET. FOR CAR AND TRUCK APPLICATIONS 40401 INCLUDES SOLID ROLLER CHAIN, CAST IRON CAM SPROCKET, MULTIPLE KEYWAY CRAIK SPROCKET. FOR CAR AND TRUCK APPLICATIONS 40510 INCLUDES SEAMLESS SOLID ROLLER CHAIN, CAST IRON CAM SPROCKET. MULTIPLE KEYWAY CRAIK SPROCKET. FOR CAR AND TRUCK APPLICATIONS 40510 INCLUDES SEAMLESS SOLID ROLLER CHAIN, CAST IRON CAM SPROCKET. MULTIPLE KEYWAY CRAIK SPROCKET. FOR CAR AND TRUCK APPLICATIONS. 40510 INCLUDES SEAMLESS SINGLE SOLID ROLLER CHAIN (.335" ROLLER), CAST IRON CAM SPROCKET, MULTIPLE KEYWAY CRAIK SPROCKET. FOR CAR AND TRUCK APPLICATIONS. 40510 INCLUDES SEAMLESS SINGLE SOLID ROLLER CHAIN (.335" ROLLER CHAIN (.335" ROLLER CHAIN (.335" ROLLER MULTIPLE KEYWAY CRAIK SPROCKET. MULTIPLE KEYWAY CRAIK SPROCKET.			
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40401 SPROCKET, MULTIPLE KEYWAY CRANK SPROCKET. 40401 INCLUDES SEAMLESS SOLID ROLLER CHAIN, CAST IRON CAM SPROCKET, MULTIPLE KEYWAY CRANK SPROCKET. INCLUDES SEAMLESS SOLID ROLLER CHAIN, CAST IRON CAM SPROCKET, MULTIPLE KEYWAY CRANK SPROCKET. FOR CAR AND TRUCK APPLICATIONS. 40510 INCLUDES SEAMLESS SINGLE SOLID ROLLER CHAIN (.335" ROLLER), CAST IRON CAM SPROCKET, FOR CAR AND TRUCK APPLICATIONS. 40510 INCLUDES SEAMLESS SINGLE SOLID ROLLER CHAIN (.335" ROLLER), CAST IRON CAM SPROCKET, MULTIPLE KEYWAY CRANK SPROCKET, MULTIPLE KEYWAY CRANK SPROCKET, MULTIPLE KEYWAY CRANK SPROCKET, MULTIPLE KEYWAY CRANK SPROCKET. SOLID ROLLER CHAIN (.335" ROLLER), CAST IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET. EXCLUDES STOCK ROLLER CAM ENGINES. FOR CAR AND TRUCK APPLICATIONS. 48510T-9 RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD, CLAIMER ENGINES. INCLUDES SEAMLESS DUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS FIT ROLLER THRUST BEARINGS.			
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KEYWAY CRANK SPROCKET. FOR CAR AND TRUCK APPLICATIONS. 40510 INCLUDES SEAMLESS SINGLE SOLID ROLLER CHAIN (.335" ROLLER), CAST IRON CAM SPROCKET, MULTIPLE KEYWAY CRANK SPROCKET EXC. STOCK ROLLER CAM ENGINES. INCLUDES SEAMLESS SINGLE SOLID ROLLER CHAIN (.335" ROLLER), CAST IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET. EXCLUDES STOCK ROLLER CAM ENGINES. FOR CAR AND TRUCK APPLICATIONS. 48510T-9 RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD, CLAIMER ENGINES. INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS FIT ROLLER THRUST BEARINGS.			
APPLICATIONS. 40510 INCLUDES SEAMLESS SINGLE SOLID ROLLER CHAIN (.335" ROLLER), CAST IRON CAM SPROCKET, MULTIPLE KEYWAY CRANK SPROCKET EXC. STOCK ROLLER CAM ENGINES. INCLUDES SEAMLESS SINGLE SOLID ROLLER CHAIN (.335" ROLLER), CAST IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET. EXCLUDES STOCK ROLLER CAM ENGINES. FOR CAR AND TRUCK APPLICATIONS. 48510T-9 RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD, CLAIMER ENGINES. INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS FIT ROLLER THRUST BEARINGS.			, , , , , , , , , , , , , , , , , , , ,
 (.335" ROLLER), CAST IRON CAM SPROCKET, MULTIPLE KEYWAY CRANK SPROCKET EXC. STOCK ROLLER CAM ENGINES. INCLUDES SEAMLESS SINGLE SOLID ROLLER CHAIN (.335" ROLLER), CAST IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET. EXCLUDES STOCK ROLLER CAM ENGINES. FOR CAR AND TRUCK APPLICATIONS. 48510T-9 RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD, CLAIMER ENGINES. INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS FIT ROLLER THRUST BEARINGS. 			APPLICATIONS.
MULTIPLE KEYWAY CRANK SPROCKET EXC. STOCK ROLLER CAM ENGINES. INCLUDES SEAMLESS SINGLE SOLID ROLLER CHAIN (.335" ROLLER), CAST IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET. EXCLUDES STOCK ROLLER CAM ENGINES. FOR CAR AND TRUCK APPLICATIONS. 48510T-9 RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD, CLAIMER ENGINES. INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS FIT ROLLER THRUST BEARINGS.		40510	INCLUDES SEAMLESS SINGLE SOLID ROLLER CHAIN
ROLLER CAM ENGINES. INCLUDES SEAMLESS SINGLE SOLID ROLLER CHAIN (.335" ROLLER), CAST IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET. EXCLUDES STOCK ROLLER CAM ENGINES. FOR CAR AND TRUCK APPLICATIONS. 48510T-9 RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD, CLAIMER ENGINES. INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS FIT ROLLER THRUST BEARINGS.			(.335" ROLLER), CAST IRON CAM SPROCKET,
SOLID ROLLER CHAIN (.335" ROLLER), CAST IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET. EXCLUDES STOCK ROLLER CAM ENGINES. FOR CAR AND TRUCK APPLICATIONS. 48510T-9 RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD, CLAIMER ENGINES. INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS FIT ROLLER THRUST BEARINGS.			MULTIPLE KEYWAY CRANK SPROCKET EXC. STOCK
SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET. EXCLUDES STOCK ROLLER CAM ENGINES. FOR CAR AND TRUCK APPLICATIONS. 48510T-9 RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD, CLAIMER ENGINES. INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS FIT ROLLER THRUST BEARINGS.			ROLLER CAM ENGINES. INCLUDES SEAMLESS SINGLE
EXCLUDES STOCK ROLLER CAM ENGINES. FOR CAR AND TRUCK APPLICATIONS. 48510T-9 RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD, CLAIMER ENGINES. INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS FIT ROLLER THRUST BEARINGS.			SOLID ROLLER CHAIN (.335" ROLLER), CAST IRON CAM
AND TRUCK APPLICATIONS. 48510T-9 48510T-9 RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD, CLAIMER ENGINES. INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS FIT ROLLER THRUST BEARINGS.			SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET.
48510T-9 RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD, CLAIMER ENGINES. INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS FIT ROLLER THRUST BEARINGS.			EXCLUDES STOCK ROLLER CAM ENGINES. FOR CAR
TRACK, HOT ROD, CLAIMER ENGINES. INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS FIT ROLLER THRUST BEARINGS.			
SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS FIT ROLLER THRUST BEARINGS.		48510T-9	
BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS FIT ROLLER THRUST BEARINGS.			
SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS FIT ROLLER THRUST BEARINGS.			SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),
FIT ROLLER THRUST BEARINGS.			BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS
Continued on Next Page			FIT ROLLER THRUST BEARINGS.
	Continued on Next Page		

Line No.	Part Title	Part No.	Description
28	454 ENG - 1970-76 - 8 Cyl 4.2		
20	3pc Set	48510W-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE
	ope del	4031010-5	TRACK, HOT ROD, CLAIMER ENGINES. INCLUDES
			SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),
			BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZE
			WASHER
	Oil Pump	10070-800SS	(MELLING PATENT 5,810,571) HI VOLUME 25%.
	·		MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS. SCREW IN VALVE. SCREEN FOR 8" PAN
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME
			MOLY I/S SHAFT. STREET AND STRIP. CHECK FOR PAN
			AND CRANK CLEARANCE.
		10070-900SS	(MELLING PATENT 5,810,571) HI VOLUME 25%.
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS. SCREW IN VALVE. SCREEN FOR 9" PAN
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME
			MOLY I/S SHAFT. STREET AND STRIP. CHECK FOR PAN
			AND CRANK CLEARANCE.
		10077-800SS	(MELLING PATENT 5,810,571) STANDARD VOLUME.
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS. SCREW IN VALVE. SCREEN FOR 8" PAN
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME
			MOLY I/S SHAFT. STREET AND STRIP.
		10077-900SS	(MELLING PATENT 5,810,571) STANDARD VOLUME.
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS. SCREW IN VALVE. SCREEN FOR 9" PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME MOLY I/S SHAFT. STREET AND STRIP.
		10770	HI VOL PUMP (25% ADDL VOL OF OIL) FEATURES:
		10//0	STEEL GEARS; INCLUDES I/S SHAFT W/STEEL GUIDE.
			WILL USE STOCK 3/4" PRESS-IN SCREEN.
		10774	FEATURES STEEL GEARS; STANDARD VOLUME
		10/14	VERSION OF THE 10770 PUMP.
		10778	(MELLING PATENT 5,810,571) HI VOLUME PUMP (25%
			ADDL VOL OF OIL) FEATURES: STEEL GEARS; SHAFTS
			EXTENDED INTO COVER FOR SUPPORT, RELIEF
			VALVE HAS SCREW IN PLUG. INCLUDES [12770]
			CHROME MOLY INTERMEDIATE SHAFT WITH STEEL
			GUIDE. CHECK FOR PAN AND CRANK CLEARANCE.
	Continued on Next Page		
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		FENTUR					Continued)
Line No.	Part Title	Part No.			Description		
28	454 ENG - 1970-76 - 8 Cyl 4.2	· ·			/		
	Oil Pump Oil Pump Drive Shaft	10778C 12770	ADDL VOL EXTENDE VALVE HA CHROME GUIDE. HA SPECIAL S ONLY. CH	PATENT 5,8 OF OIL) FE D INTO COV S SCREW IN MOLY INTEF AS ANTI-CAN SCREW IN S ECK FOR PA IANCE TYPE	ATURES: ST YER FOR SU N PLUG. INC RMEDIATE S /ITATION GI CREEN. RA AN AND CRA	TEEL GEAR PPORT, RE CLUDES [12 SHAFT WITH ROOVES. RI CING APPLI ANK CLEAR	S; SHAFTS LIEF 770] I STEEL EQUIRES CATIONS ANCE.
			IMPROVE	H (150,000 F D SHAFT RE UMP DRIVE	TAINER WH		
29	454 ENG - 1970-97 - 8 Cyl 4.2	50 Bore (TRUC	K APPLICA	TIONS ON	LY)		
	Torque Camshaft		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
	1970-1994 HYD. USE [VS-320] SPRING W/INSTALLED HGT. OF 1.90. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1000-4500.	MTC-6	Int. Exh. 204 208	Int. Exh. 288 298	Int. Exh. .459 .459	Int. Exh. 108 116	112
	Camshafts Using Mechanical Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
	1970-1994 OEM #3904362. CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3200-7200.	22396	Int. Exh. 242 242	Int. Exh. 310 297	Int. Exh. .520 .520	Int. Exh. 108 120	114
	1970-1994 CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 4500-8000.	22427	264 270	322 322	.559 .580	108 116	112
	Camshafts Using Hydraulic Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
	1970-1994 CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATBLE. POWER RANGE IDLE-4000.	22100	Int. Exh. 192 203	Int. Exh. 271 281	Int. Exh. .398 .430	Int. Exh. 107 117	112
	1970-1994 CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 700-4500.	22127	190 202	261 272	.438 .465	106 114	110
	1970-1994 CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5200.	22204	214 224	292 302	.503 .528	108 116	112
	Continued on Next Page						

Line No.	Part Title	Part No.			Description		
29	454 ENG - 1970-97 - 8 Cyl 4.2						
	Camshafts Using Hydraulic Flat				, 	Desman	Destroop
	Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Copulation
	1970-1994 CLASS II. NOT	22214	214 214	293 293	.503 .503	109 119	114
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1700-5200.						
	1970-1994 CLASS II. NOT	22296	222 235	310 325	.500 .505	110 120	115
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2200-5700.						
	1970-1994 CLASS III. NOT	22302	230 230	309 309	.513 .513	106 114	110
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2500-6000.						
	1970-1994 CLASS III. NOT	22306	224 234	302 308	.528 .552	110 118	114
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
ļ	POWER RANGE 2500-6000.		040.015	00			
	1970-1994 CLASS IV. NOT	22471	240 246	305 311	.559 .572	110 114	112
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 3200-6700.						
	Camshafts Using Hydraulic Roller Lifters		Degrees	Degrees	Inches	Degrees	Degrees
	Roller Litters		.050" dur Int. Exh.	ADV. Dur Int. Exh.	Valve lift Int. Exh.	Lobe cntr.	Separation
		22297		288 300	.502 .510	Int. Exh.	112
	1996-1997 FOR ENGINES EQUIPPED WITH FACTORY	22291	216 228	200 300	.502 .510	108 116	112
	ROLLER. CLASS II. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1600-5000.						
	CLASS IV. NOT CALIFORNIA	22472	237 245	335 329	.626 .639	109 115	112
	COMPLIANT. NOT COMPUTER		207 210	000 020	.020 .000	100 110	
	COMPATIBLE. POWER RANGE						
	2600-6300.						
	1970-1994 CLASS IV. NOT	22480	241 246	305 310	.559 .572	110 114	112
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 3000-6500.						
Ì	CLASS IV. NOT CALIFORNIA	22485	236 246	316 324	.561 .578	106 114	110
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2600-6300.						
	Camshafts Using Hydraulic		Degrees	Degrees	Inches	Degrees	Degrees
	Retro-fit Roller Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	FOR USE WITH RETRO-FIT	22141	216 228	288 300	.501 .510	108 116	112
	ROLLER LIFTERS [BB817RF16]						
	AND [BB969RF16] CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1700-5200						
	Continued on Next Page						

•	Part Title	Part No.			Description				
	454 ENG - 1970-97 - 8 Cyl 4.2								
					, 				
	Camshafts Using Hydraulic Retro-fit Roller Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separatior		
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.			
	FOR USE WITH RETRO-FIT ROLLER LIFTERS [BB817RF16] AND [BB969RF16] CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2200-5700	22236	224 234	296 308	.527 .544	106 114	110		
F	Mell Lube	M-10012	ENGINE A	SSEMBLY A	ND BREAK-		NT		
			PLATES W AND GALL CONTAINE	'EAR SURF/ ING DURING ER.	ACES TO PF G ENGINE S	REVENT SCO TART UP. 4	ORING		
	Torque Cam Lifter Kit	CL-MTC-6	COMPATIE INSTALLEI COMPLIAN	BLE. USE W D HGT. OF 1 IT. KIT INCL	D. NOT COI TH [VS-320] .90. NOT C/ UDES 1-[MT	SPRING W ALIFORNIA			
-				40Z MELL		10			
-	Hydraulic Flat Tappet Lifters	298174			ORY SETTIN				
		298184	BE USED V	N/ ADJUSTA	ABLE VALVE				
-		299694	1991-1997 USE FACTORY SETTING 1991-1997 ANTI-PUMP UP, SET AT ZERO LASH; MUS						
		299704							
F		JB-7003	BE USED W/ ADJUSTABLE VALVE TRAIN 1970-1994 STOCK REPLACEMENT TYPE; HYD. ROLLEF						
-	Hydraulic Roller Lifters Hydraulic Retro-fit Roller Lifters	BB817RF16	1970-1987	RETRO-FIT		R USE W/ RETRO-FIT			
F		BB969RF16	1988-1997	RETRO-FIT	LIFTER FO [22141], [22	R USE W/ R	ETRO-FIT		
F	Valve Locks	473004) 3/8" STEM				
F		476104	1970-1994	HARDENED) 11/32" STE	M			
Ī	Valve Spring with Mechanical Lifters	VS-320	1970-1994 OF 1.88	USE WITH	22100] CAM	- NOTE: AS	M. HEIGHT		
Ī		VS-320	-	-	HAFT; INST REQUIRED)	STALLED HGT. OF 1.90			
ſ		466154	1970-1994 MAY BE R		E WITH [224	[22427] CAM- MACHINING			
		466164	1970-1994 MAY BE R		E WITH [224	27] CAM- M	ACHINING		
	Valve Spring with Hydraulic Lifters	466224	[22302], [2		22214], [222 - NOTE: ASI REQUIRED.				
		466224	1970-1994 REQUIRE		[22396] CAM	- MACHININ	IG MAY BE		
ſ	Valve Spring Retainers	475064	1974-1994	CHROME N	IOLY				
	Rocker Arms	498684			F ROCKER A				
	Chrome Moly Push Rods	500154		HEAT TREAR	ATED FOR G 50 LBS.		ES MAX.		
Ī		500164			TH - HEAT G PRESSUR		OR GUIDE		
ľ		500294	1970-1994		GTH, 7/16" D		PRING		

Line No.	Part Title	Part No.	Description
29	454 ENG - 1970-97 - 8 Cyl 4.2		· · · · ·
23	Chrome Moly Push Rods	500304	1970-1994 9.252 LENGTH, 7/16". MAX. SPRING
	onrome mory r usir nous	500504	PRESSURE 350 LBS.
	Guide Plates	MGP1064	1970-1994 7/16" THICK- MUST BE USED WITH
			SCREW-IN ROCKER ARM STUDS. (RAISED)
		MGP1074	1970-1994 3/8" THICK- MUST BE USED WITH SCREW-IN
			ROCKER ARM STUDS. (RAISED)
	Gear Drive Set	48410	INCLUDES 8620 CARBURIZED STEEL GEARS, ROLLER
			CAMBUTTON, LOCK PLATE AND BOLTS, TIMING
			ADJUSTED WITH 5 OPTIONAL COLOR CODED DOWEL
			PIN HOLE INSERTS. RECOMMENDED FOR STREET
			AND STRIP, CLAIMER AND RACING ENGINES UP TO
			6,500 RPM.; NOISY SET NOISY SET
		48410Q	INCLUDES 8620 CARBURIZED STEEL GEARS, ROLLER
			CAMBUTTON, LOCK PLATE AND BOLTS, TIMING
			ADJUSTED WITH 5 OPTIONAL COLOR CODED DOWEL
			PIN HOLE INSERTS. RECOMMENDED FOR STREET
			AND STRIP, CLAIMER AND RACING ENGINES UP TO
			6,500 RPM.; QUIET SET QUIET SET
	3pc Set	40205	1970-1994 INCLUDES DOUBLE ROLLER CHAIN, CAST
			IRON CAM SPROCKET, MULTIPLE KEYWAY CRANK SPROCKET. INCLUDES DOUBLE ROLLER CHAIN, CAST
			IRON CAM SPROCKET, MULTIPLE KEYWAY CRANK
			SPROCKET. FOR CAR AND TRUCK APPLICATIONS
·		40401	1970-1994 INCLUDES SEAMLESS SOLID ROLLER
			CHAIN, CAST IRON CAM SPROCKET, MULTIPLE
			KEYWAY CRANK SPROCKET. INCLUDES SEAMLESS
			SOLID ROLLER CHAIN, CAST IRON CAM SPROCKET,
			MULTIPLE KEYWAY CRANK SPROCKET. FOR CAR AND
			TRUCK APPLICATIONS.
		40510	1970-1994 INCLUDES SEAMLESS SINGLE SOLID
			ROLLER CHAIN (.335" ROLLER), CAST IRON CAM
			SPROCKET, MULTIPLE KEYWAY CRANK SPROCKET
			EXC. STOCK ROLLER CAM ENGINES. INCLUDES
			SEAMLESS SINGLE SOLID ROLLER CHAIN (.335"
			ROLLER), CAST IRON CAM SPROCKET & MULTIPLE
			KEYWAY CRANK SPROCKET. EXCLUDES STOCK
			ROLLER CAM ENGINES. FOR CAR AND TRUCK APPLICATIONS.
		48510T-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE
		405101-9	TRACK, HOT ROD, CLAIMER ENGINES. INCLUDES
			SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),
			BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS
			FIT ROLLER THRUST BEARINGS.
		48510W-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE
			TRACK, HOT ROD, CLAIMER ENGINES. INCLUDES
			SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),
			BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZE
			WASHER
	Continued on Next Page		

Line			MANCE - CHEVROLET CARS & TRUCKS (Continued)
No.	Part Title	Part No.	Description
29	454 ENG - 1970-97 - 8 Cyl 4.2	250 Bore (TRUC	K APPLICATIONS ONLY)
	Oil Pump	10070-800SS	1970-1994 (MELLING PATENT 5,810,571) HI VOLUME 25%. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 8" PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME MOLY I/S SHAFT. STREET AND STRIP. CHECK FOR PAN AND CRANK CLEARANCE.
		10070-900SS	1970-1994 (MELLING PATENT 5,810,571) HI VOLUME 25%. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 9" PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME MOLY I/S SHAFT. STREET AND STRIP. CHECK FOR PAN AND CRANK CLEARANCE.
		10077-800SS	1970-1994 (MELLING PATENT 5,810,571) STANDARD VOLUME. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 8" PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME MOLY I/S SHAFT. STREET AND STRIP.
		10077-900SS	1970-1994 (MELLING PATENT 5,810,571) STANDARD VOLUME. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 9" PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME MOLY I/S SHAFT. STREET AND STRIP.
		10770	1970-1994 HI VOL PUMP (25% ADDL VOL OF OIL) FEATURES: STEEL GEARS; INCLUDES I/S SHAFT W/ STEEL GUIDE. WILL USE STOCK 3/4" PRESS-IN SCREEN.
		10774	1970-1994 FEATURES STEEL GEARS; STANDARD VOLUME VERSION OF THE 10770 PUMP.
	Ourfineed on Mark De	10778	1970-1994 (MELLING PATENT 5,810,571) HI VOLUME PUMP (25% ADDL VOL OF OIL) FEATURES: STEEL GEARS; SHAFTS EXTENDED INTO COVER FOR SUPPORT, RELIEF VALVE HAS SCREW IN PLUG. INCLUDES [12770] CHROME MOLY INTERMEDIATE SHAFT WITH STEEL GUIDE. CHECK FOR PAN AND CRANK CLEARANCE.
	Continued on Next Page		

Line			
No.	Part Title	Part No.	Description
29	454 ENG - 1970-97 - 8 Cyl 4.2	50 Bore (TRUC	K APPLICATIONS ONLY)
	Oil Pump	10778C	1970-1994 (MELLING PATENT 5,810,571) HI VOLUME
			PUMP (25% ADDL VOL OF OIL) FEATURES: STEEL
			GEARS; SHAFTS EXTENDED INTO COVER FOR
			SUPPORT, RELIEF VALVE HAS SCREW IN PLUG.
			INCLUDES [12770] CHROME MOLY INTERMEDIATE
			SHAFT WITH STEEL GUIDE. HAS ANTI-CAVITATION
			GROOVES. REQUIRES SPECIAL SCREW IN SCREEN.
			RACING APPLICATIONS ONLY. CHECK FOR PAN AND
			CRANK CLEARANCE.
	Oil Pump Drive Shaft	12770	1970-1994 PERFORMANCE TYPE INTERMEDIATE
			SHAFT. HIGH STRENGTH (150,000 PSI) CHROME MOLY
			STEEL. IMPROVED SHAFT RETAINER WHICH LOCKS
			ONTO THE OIL PUMP DRIVE SHAFT

Line No.	Part Title	Part No.			Description			
1	2.0-Y (122) DOHC ENG 1995-		Bore (AVE			NG)		
•	Mell Lube	M-10012			ND BREAK-		NT	
		10012	-		ACES TO PF			
			_		G ENGINE S			
			CONTAINER.					
	Oil Pump	10190	HI VOLUM	E 20%. UPG	RADED MA	TERIALS FO	R	
	-		IMPROVE	D PERFORM	IANCE AND	DURABILIT	Y .	
			INSTALLED RELIEF SPRING DESIGNED TO INC					
					RESSURE S			
					RING TO RE			
					K SETTINGS	. CHECK FO	OR PAN	
				NK CLEARAN	-			
2	2.0-C,F (122) SOHC ENG - 199		· · · ·				,	
	Mell Lube	M-10012			ND BREAK-			
					ACES TO PF			
			AND GALLING DURING ENGINE START UP. 40Z					
	Oil Pump	10190			RADED MA			
		10190			IANCE AND			
							TO INCREASE	
						SETTING. SUPPLIED		
					RING TO RE			
			PRESSUR	E TO STOCI	K SETTINGS	. CHECK FO	OR PAN	
			AND CRAN	NK CLEARAN	NCE.			
3	4.5 (273) ENG - 1965-69 - V8 - 3	3.625 Bore (CHA	RGER, CO	RONET, D	ART, FURY	, ROADRU	NNER,	
	VALIANT)							
	Torque Camshaft		Degrade	Degrade	Inches	Degrade	Degrees	
			Degrees .050" dur	Degrees ADV. Dur	Valve lift	Degrees Lobe cntr.	Separation	
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.		
	HYD. IMPROVES LOW-MID	MTD-1	204 214	278 288	.421 .443	108 116	112	
	PERF. CHECK FOR COIL BIND.							
	(EXC. ROLLER LIFTERS) CLASS							
	I. NOT CALIFORNIA COMPLIANT.							
	NOT COMPUTER COMPATIBLE.							
	POWER RANGE 1200-4700.							

Continued on Next Page

- 1									
	Part Title 4.5 (273) ENG - 1965-69 - V8 - 3	Part No.			Description				
	· · ·	5.625 Bore (СПА	ARGER, CO	RONET, D	ARI, FURI	, RUADRU	JNNER,		
╞	VALIANT)						1		
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees		
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation		
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	110		
	EXC. ROLLER LIFTERS. CLASS	23203	214 224	288 298	.444 .466	108 116	112		
	II. NOT CALIFORNIA								
ì	COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE								
	1700-5200.								
Г	Mechanical Flat Tappet Lifters	299374							
	Hydraulic Flat Tappet Lifters	290114							
	Valve Locks	471004	1965-1969	INTAKE					
		474004		EXHAUST					
	Valve Spring with Hydraulic	466434		[MTD-1], [23	33011. [23203	3]. [23123] C	AMS		
	Lifters			NG MAY BE			-		
	Valve Spring Retainers	475144		MOLY - USE	,		ŝS		
-	Chrome Moly Push Rods	500224		USE WITH I		-			
	-		SPRING P	RESSURE 3	50 LBS.				
		500594	1968-1969	USE WITH I	HYDRAULIC	LIFTERS M	IAX.		
			SPRING P	RESSURE 3	50 LBS.				
	3pc Set	40202	INCLUDES	ROLLER C	HAIN, CAST	IRON CAM			
			SPROCKET & MULTIPLE KEYWAY CRANK SPRC						
		40406	INCLUDES	LER CHAIN					
			IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK						
	Oil Pump	M-72HV HI VOL PUMP (25% ADDL VOL OF OIL). CHECK FO							
-			PAN AND CRANK CLEARANCE.						
	Oil Pump Drive Shaft	12720	PERFORMANCE TYPE INTERMEDIATE SHAFT. HIGH STRENGTH (150,000 PSI) CHROME MOLY STEEL.						
				H (150,000 F D SHAFT RE					
			_	UMP DRIVE					
•	5.2 (318) OHV ENG - 1975-02 -	V9 - 2 010 Boro		-	-				
	· · /	VO - 3.910 DOIE	(INCLODE	5 VANS, 11	10083)		1		
•	Torquo Comeboft		_	_		_	_		
_	Torque Camshaft		Degrees	Degrees	Inches Valve lift	Degrees			
_	Torque Camshaft		.050" dur	ADV. Dur	Valve lift	Lobe cntr.			
-		MTD-1	.050" dur Int. Exh.	ADV. Dur Int. Exh.	Valve lift Int. Exh.	Lobe cntr. Int. Exh.	Separatio		
	1975-1988 HYD.IMPROVES	MTD-1	.050" dur	ADV. Dur	Valve lift	Lobe cntr.			
-	1975-1988 HYD.IMPROVES LOW-MID PERF. CHECK FOR	MTD-1	.050" dur Int. Exh.	ADV. Dur Int. Exh.	Valve lift Int. Exh.	Lobe cntr. Int. Exh.	Separatio		
	1975-1988 HYD.IMPROVES LOW-MID PERF. CHECK FOR COIL BIND. (EXC. ROLLER	MTD-1	.050" dur Int. Exh.	ADV. Dur Int. Exh.	Valve lift Int. Exh.	Lobe cntr. Int. Exh.	Separatio		
	1975-1988 HYD.IMPROVES LOW-MID PERF. CHECK FOR	MTD-1	.050" dur Int. Exh.	ADV. Dur Int. Exh.	Valve lift Int. Exh.	Lobe cntr. Int. Exh.	Separatio		
	1975-1988 HYD.IMPROVES LOW-MID PERF. CHECK FOR COIL BIND. (EXC. ROLLER LIFTERS) CLASS I. NOT	MTD-1	.050" dur Int. Exh.	ADV. Dur Int. Exh.	Valve lift Int. Exh.	Lobe cntr. Int. Exh.	Separatio		
	1975-1988 HYD.IMPROVES LOW-MID PERF. CHECK FOR COIL BIND. (EXC. ROLLER LIFTERS) CLASS I. NOT CALIFORNIA COMPLIANT. NOT	MTD-1	.050" dur Int. Exh.	ADV. Dur Int. Exh.	Valve lift Int. Exh.	Lobe cntr. Int. Exh.	Separatio		
-	1975-1988 HYD.IMPROVES LOW-MID PERF. CHECK FOR COIL BIND. (EXC. ROLLER LIFTERS) CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE.	MTD-1	.050" dur Int. Exh. 204 214	ADV. Dur Int. Exh. 278 288	Valve lift Int. Exh.	Lobe cntr. Int. Exh. 108 116	Separatio		
-	1975-1988 HYD.IMPROVES LOW-MID PERF. CHECK FOR COIL BIND. (EXC. ROLLER LIFTERS) CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1200-4700.	MTD-1	.050" dur Int. Exh.	ADV. Dur Int. Exh.	Valve lift Int. Exh. .421 .443	Lobe cntr. Int. Exh.	Separatio 112 Degrees		
	1975-1988 HYD.IMPROVES LOW-MID PERF. CHECK FOR COIL BIND. (EXC. ROLLER LIFTERS) CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1200-4700. Camshafts Using Hydraulic Flat	MTD-1	050" dur Int. Exh. 204 214	ADV. Dur Int. Exh. 278 288 Degrees	Valve lift Int. Exh. .421 .443 Inches	Lobe cntr. Int. Exh. 108 116 Degrees	Separatio 112 Degrees		
	1975-1988 HYD.IMPROVES LOW-MID PERF. CHECK FOR COIL BIND. (EXC. ROLLER LIFTERS) CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1200-4700. Camshafts Using Hydraulic Flat	MTD-1	.050" dur Int. Exh. 204 214 Degrees .050" dur	ADV. Dur Int. Exh. 278 288 Degrees ADV. Dur	Valve lift Int. Exh. .421 .443 Inches Valve lift	Lobe cntr. Int. Exh. 108 116 Degrees Lobe cntr.	Separatic 112 Degrees		
_	1975-1988 HYD.IMPROVES LOW-MID PERF. CHECK FOR COIL BIND. (EXC. ROLLER LIFTERS) CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1200-4700. Camshafts Using Hydraulic Flat Tappet Lifters		.050" dur Int. Exh. 204 214 Degrees .050" dur Int. Exh.	ADV. Dur Int. Exh. 278 288 Degrees ADV. Dur Int. Exh.	Valve lift Int. Exh. .421 .443 Inches Valve lift Int. Exh.	Lobe cntr. Int. Exh. 108 116 Degrees Lobe cntr. Int. Exh.	Separatic 112 Degrees Separatic		
	1975-1988 HYD.IMPROVES LOW-MID PERF. CHECK FOR COIL BIND. (EXC. ROLLER LIFTERS) CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1200-4700. Camshafts Using Hydraulic Flat Tappet Lifters EXC. ROLLER LIFTERS. CLASS		.050" dur Int. Exh. 204 214 Degrees .050" dur Int. Exh.	ADV. Dur Int. Exh. 278 288 Degrees ADV. Dur Int. Exh.	Valve lift Int. Exh. .421 .443 Inches Valve lift Int. Exh.	Lobe cntr. Int. Exh. 108 116 Degrees Lobe cntr. Int. Exh.	Separatic 112 Degrees Separatic		
_	1975-1988 HYD.IMPROVES LOW-MID PERF. CHECK FOR COIL BIND. (EXC. ROLLER LIFTERS) CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1200-4700. Camshafts Using Hydraulic Flat Tappet Lifters EXC. ROLLER LIFTERS. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE		.050" dur Int. Exh. 204 214 Degrees .050" dur Int. Exh.	ADV. Dur Int. Exh. 278 288 Degrees ADV. Dur Int. Exh.	Valve lift Int. Exh. .421 .443 Inches Valve lift Int. Exh.	Lobe cntr. Int. Exh. 108 116 Degrees Lobe cntr. Int. Exh.	Separatio 112 Degrees Separatio		
	1975-1988 HYD.IMPROVES LOW-MID PERF. CHECK FOR COIL BIND. (EXC. ROLLER LIFTERS) CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1200-4700. Camshafts Using Hydraulic Flat Tappet Lifters EXC. ROLLER LIFTERS. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5200.	23203	.050" dur Int. Exh. 204 214 Degrees .050" dur Int. Exh.	ADV. Dur Int. Exh. 278 288 Degrees ADV. Dur Int. Exh.	Valve lift Int. Exh. .421 .443 Inches Valve lift Int. Exh.	Lobe cntr. Int. Exh. 108 116 Degrees Lobe cntr. Int. Exh.	Separatio 112 Degrees Separatio		
-	1975-1988 HYD.IMPROVES LOW-MID PERF. CHECK FOR COIL BIND. (EXC. ROLLER LIFTERS) CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1200-4700. Camshafts Using Hydraulic Flat Tappet Lifters EXC. ROLLER LIFTERS. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE		.050" dur Int. Exh. 204 214 Degrees .050" dur Int. Exh.	ADV. Dur Int. Exh. 278 288 Degrees ADV. Dur Int. Exh.	Valve lift Int. Exh. .421 .443 Inches Valve lift Int. Exh.	Lobe cntr. Int. Exh. 108 116 Degrees Lobe cntr. Int. Exh.	Degrees Separatio		

PERFORMANCE - CHRYSLER PRODUCTS (Continued)

	-					
Part Title	Part No	Description				
5.2 (318) OHV ENG - 1975-02 - V8 - 3.910 Bore (INCLUDES VANS, TRUCKS)						
		1975-2002 INTAKE EXHAUST				
	474004					
Valve Spring with Hydraulic	466434	USE WITH [MTD-1], [23301], [23203], [23123] CAMS				
Lifters		(MACHINING MAY BE REQUIRED)				
Valve Spring Retainers	475144	CHROME MOLY - USE WITH [466434] SPRINGS				
Chrome Moly Push Rods	500594	1975-1989 EXC. ROLLER LIFTERS MAX. SPRING				
		PRESSURE 350 LBS.				
3pc Set	40202	INCLUDES ROLLER CHAIN, CAST IRON CAM				
		SPROCKET & MULTIPLE KEYWAY CRANK SPROCKE				
	40406	INCLUDES SEAMLESS SOLID ROLLER CHAIN, CAST				
		IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK				
		SPROCKET				
Oil Pump	M-72HV	HI VOL PUMP (25% ADDL VOL OF OIL). CHECK FOR				
		PAN AND CRANK CLEARANCE.				
Oil Pump Drive Shaft	12720	PERFORMANCE TYPE INTERMEDIATE SHAFT. HIGH				
		STRENGTH (150,000 PSI) CHROME MOLY STEEL.				
		IMPROVED SHAFT RETAINER WHICH LOCKS ONTO				
		THE OIL PUMP DRIVE SHAFT				
	Valve Locks Valve Spring with Hydraulic Lifters Valve Spring Retainers Chrome Moly Push Rods 3pc Set Oil Pump	5.2 (318) OHV ENG - 1975-02 - V8 - 3.910 Bore Valve Locks 471004 Valve Spring with Hydraulic 466434 Lifters 475144 Valve Spring Retainers 475144 Chrome Moly Push Rods 500594 3pc Set 40406 Oil Pump M-72HV				

5 5.6 (340) ENG - 1968-73 - V8 - 4.04 Bore (CHALLENGER, CHARGER, CORONET, DART, DUSTER, **ROADRUNNER**)

		1	1		1			
Torque Camshaft		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation		
		Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.			
HYD. IMPROVES LOW-MID	MTD-1	204 214	278 288	.421 .443	108 116	112		
PERF. CHECK FOR COIL BIND.								
(EXC. ROLLER LIFTERS) CLASS								
I. NOT CALIFORNIA COMPLIANT.								
NOT COMPUTER COMPATIBLE.								
POWER RANGE 1200-4700.								
Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees		
Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation		
		Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.			
EXC. ROLLER LIFTERS. CLASS	23203	214 224	288 298	.444 .466	108 116	112		
II. NOT CALIFORNIA								
COMPLIANT. NOT COMPUTER								
COMPATIBLE. POWER RANGE								
1700-5200.								
Mechanical Flat Tappet Lifters	299374							
Hydraulic Flat Tappet Lifters	290114							
Valve Locks	471004	INTAKE						
	474004	EXHAUST						
Valve Spring with Hydraulic	466434	USE WITH [MTD-1], [23301], [23203], [23123] CAMS						
Lifters		(MACHINING MAY BE REQUIRED)						
Valve Spring Retainers	475144	CHROME MOLY - USE WITH [466434] SPRINGS						
Chrome Moly Push Rods	500594	USE WITH HYD. LIFTERS MAX. SPRING PRESSURE 350						
		LBS.						
3pc Set	40202	INCLUDES ROLLER CHAIN, CAST IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET INCLUDES SEAMLESS SOLID ROLLER CHAIN, CAST						
	40406							
		IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK						
		SPROCKET						
Continued on Next Page								

Line		••					Continued		
No.	Part Title	Part No.							
5	5.6 (340) ENG - 1968-73 - V8 - 4	1.04 Bore (CHAL	LENGER,	CHARGER	, CORONE	T, DART, C	OUSTER,		
	ROADRUNNER)								
	Oil Pump	M-72HV	HI VOL PUMP (25% ADDL VOL OF OIL). CHECK FOR						
	-		PAN AND CRANK CLEARANCE.						
	Oil Pump Drive Shaft	12720	PERFORMANCE TYPE INTERMEDIATE SHAFT. HIGH STRENGTH (150,000 PSI) CHROME MOLY STEEL.						
				TAINER WH	IICH LOCKS	S ONTO			
			THE OIL PUMP DRIVE SHAFT						
6	5.7-2,D,H (345) OHV ENG - 200	•	92 Bore (30	DOC, ASPE	N, MAGNU	M R/T, CH	ARGER		
	R/T, RAM 1500-3500, DURANG	O) HEMI							
	Mell Lube	M-10012	ENGINE ASSEMBLY AND BREAK-IN LUBRICANT.						
			PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 40Z						
	Oil Pump	10342	CONTAINER. STANDARD VOLUME. PROTECTIVE ANODIZED BOD						
		10342			ITH PHOSP				
			SCREW IN VALVE. CUP PLUG REPLACED WITH THREADED FITTING. USES 1-1/8" BOLT ON SCREE						
			INCLUDES OPTIONAL PRESSURE SPRINGS.						
7	5.9 (360) OHV ENG - 1971-02 -	V8 - 4.00 Bore (INCLUDES	VANS, TR	UCKS)				
	Torque Camshaft		Degrees	Degrees	Inches	Degrees	Degrees		
			.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation		
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.			
	1971-1988 HYD. IMPROVES	MTD-1	204 214	278 288	.421 .443	108 116	112		
	LOW-MID PERF. CHECK FOR								
	COIL BIND. (EXC. ROLLER								
	LIFTERS) CLASS I. NOT CALIFORNIA COMPLIANT. NOT								
	COMPUTER COMPATIBLE.								
	POWER RANGE 1200-4700.								
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees		
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation		
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.			
	EXC. ROLLER LIFTERS. CLASS	23203	214 224	288 298	.444 .466	108 116	112		
	II. NOT CALIFORNIA								
	COMPLIANT. NOT COMPUTER								
	COMPATIBLE. POWER RANGE								
	1700-5200. Mechanical Flat Tappet Lifters	299374							
	Hydraulic Flat Tappet Lifters	299374							
	Valve Locks	471004	INTAKE						
		474004	EXHAUST						
	Valve Spring with Hydraulic	466434		[MTD-1], [23	3301], [23203	B] CAMS (M	ACHINING		
	Lifters		MAY BE R	EQUIRED)					
	Valve Spring Retainers	475144		6434 SPRIN					
	Chrome Moly Push Rods	500594	1971-1988 USE WITH HYD. LIFTERS MAX. SPRING						
	00.1	PRESSURE 350 LBS.							
	3pc Set	40202							
		40406	SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET						
		40400	INCLUDES SEAMLESS SOLID ROLLER CHAIN, CAST IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK						
			SPROCKET						
			SPROCKE						

Part Title	Part No.	Description					
5.9 (360) OHV ENG - 1971-02 -	V8 - 4.00 Bore (
Oil Pump							
•			•		,		
Oil Pump Drive Shaft	12720	PERFORM	IANCE TYPE		IATE SHAF	T. HIGH	
		STRENGT	H (150.000 F	SI) CHROM	E MOLY ST	EEL.	
			•	,			
5.9 (361) ENG - 1961-64 - V8 - 4	4 125 Bore						
Torque Camshaft		-	-			-	
		Degrees				Degree Separati	
						Oeparati	
SINGLE BOLT CAM. USE	MTD-2					112	
[466434]. CLASS I. NOT		204 214	270 200	.421 .445	107 117	112	
CALIFORNIA COMPLIANT. NOT							
COMPUTER COMPATIBLE.							
POWER RANGE 1200-4700.		4.00 Bore (INCLUDES VANS, TRUCKS) 2HV HI VOL PUMP (25% ADDL VOL OF OIL). CHECK PAN AND CRANK CLEARANCE. 20 PERFORMANCE TYPE INTERMEDIATE SHAFT. STRENGTH (150,000 PSI) CHROME MOLY STEI IMPROVED SHAFT RETAINER WHICH LOCKS OF THE OIL PUMP DRIVE SHAFT Bore Degrees Degrees Int. Exh. Int. Exh. Int. Exh. Int. Exh. 10.2 204 214 204 214 278 288 421 .443 107 117 204 214 278 288 .421 .443 107 117 204 214 278 288 .050° dur ADV. Dur Valve lift Lobe cntr. .050° dur ADV. Dur Valve lift Lobe cntr. .050° dur ADV. Dur Valve lift Lobe cntr. .04 214 224 288 298 .443 .452 107 117 .02 236 236 302 302 .480 .480 108 108 .04 1961-1964 INTAKE .004 1961-1964 INTAKE .004 1961-1964 INTAKE<					
Camshafts Using Hydraulic Flat			_		_	_	
Tappet Lifters			Degrees		DF OIL). CHEC EDIATE SHAF DME MOLY ST WHICH LOCKS Degrees t Lobe cntr. Int. Exh. Int. Exh. Degrees t Lobe cntr. Int. Exh. Int.	Degree	
						Separati	
	00004	_			-	110	
SINGLE BOLT CAM. CLASS II.	23204	214 224	288 298	.443 .452	107 117	112	
NOT CALIFORNIA COMPLIANT.							
NOT COMPUTER COMPATIBLE.							
POWER RANGE 1700-5200.		000 000		400 400	100,100	100	
SINGLE BOLT CAM. CLASS III.	23302	236 236	302 302	.480 .480	108 108	108	
NOT CALIFORNIA COMPLIANT.							
NOT COMPUTER COMPATIBLE.							
POWER RANGE 2500-6000. CLASS III. NOT CALIFORNIA	00001	040.040	000,000	470 470	100, 100	100	
	23321	242 242	329 329	.476 .476	106 106	106	
COMPLIANT. NOT COMPUTER							
COMPATIBLE. POWER RANGE 3000-6400.							
Mechanical Flat Tappet Lifters	299374						
Valve Locks	471004	1961-1964	INTAKE				
	474004						
Valve Spring with Mechanical	466154			SE WITH ST		-	
Lifters							
	466164				OCK CAMS -		
Valve Spring with Hydraulic	466224				S - NOTE: AS	SM.	
Lifters				-			
	466434						
		1.80-MACI	HINING MAY	BE REQUIE	RED		
Valve Spring Retainers	475094					24]	
				-		-	
	475144						
3pc Set	40203						
		CAM SPR	OCKET & MI	JLTIPLE KE	YWAY CRAN	١K	
	40407			S SOLID RO	LLER CHAIN	I, CAST	
Oil Pump	M-63HP			SSURE OIL	PUMP		
	M-63HV					K FOR	
			•		,,. en eo		
	1						

Line		Port Title Port No. Description							
No.	Part Title	Part No.			Description				
8	5.9 (361) ENG - 1961-64 - V8 - 4						T 111011		
	Oil Pump Drive Shaft	12630	PERFORMANCE TYPE INTERMEDIATE SHAFT. HIGH STRENGTH (150,000 PSI) CHROME MOLY STEEL. IMPROVED SHAFT RETAINER WHICH LOCKS ONTO THE OIL PUMP DRIVE SHAFT						
9	6.1-W,3 (370) OHV ENG - 2005	-07 - 8 Cyl 4.06	6 Bore (MA	GNUM SR	F8, CHARG	ER SRT8,	300		
	CSRT8) HEMI	-							
	Mell Lube	M-10012	ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 40Z CONTAINER.						
10	Oil Pump 6.3 (383) ENG - 1959-71 - V8 - 4	10342	CAST IRO SCREW IN THREADE	N COVER W I VALVE. CU D FITTING.	PROTECTIV /ITH PHOSP IP PLUG RE USES 1-1/8" PRESSURE	HATE COAT PLACED WI BOLT ON S	ring. Th Screen.		
10		+.250 Dore					1		
	Torque Camshaft		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation		
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.			
	HYD. IMPROVES LOW-MID PERF. CHECK FOR COIL BIND. USE [VS-430] SPRING W/ INSTALLED HGT. OF 1.86. SINGLE BOLT CAM. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1200-4700.	MTD-2	204 214	278 288	.421 .443	107 117	112		
	Camshafts Using Hydraulic Flat Tappet Lifters		Degrees	Degrees ADV. Dur	Inches	Degrees Lobe cntr.	Degrees		
			.050" dur Int. Exh.	Int. Exh.	Valve lift Int. Exh.	Int. Exh.	Separation		
	SINGLE BOLT CAM. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5200.	23204	214 224	288 298	.443 .452	107 117	112		
	SINGLE BOLT CAM. CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2500-6000.	23302	236 236	302 302	.480 .480	108 108	108		
	CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3000-6400.	23321	242 242	329 329	.476 .476	106 106	106		
	Torque Cam Lifter Kit	CL-MTD-2	IMPROVES LOW-MID PERF. USE [VS-430]. SINGLE BOLT CAM. NOT CALIFORNIA COMPLIANT. KIT INCLUDES 1-[MTD-2] CAM, 16-[JB-976] LIFTERS & 4OZ MELL LUBE. CHECK FOR COIL BIND. USE [VS-430] SPRING W/INSTALLED HGT. OF 1.86						
	Mechanical Flat Tappet Lifters	299374							
	Hydraulic Flat Tappet Lifters	299764	1968-1971						
	Valve Locks	471004	1959-1971						
		474004	1959-1971	EXHAUST					
	Continued on Next Page								

Line No.	Part Title	Part No.			Description					
10	6.3 (383) ENG - 1959-71 - V8 - 4				Description					
	Valve Spring with Mechanical	466154	1959-1971 OUTER - USE WITH STOCK CAMS -							
	Lifters	400154		IG MAY BE F			-			
	Litters	466164			E WITH STO	CK CAMS -				
		+00104		IG MAY BE F						
	Valve Spring with Hydraulic	466224	USE WITH [23302] & [23204] CAMS - NOTE: ASM HEIGHT							
	Lifters				MAY BE REC					
		466434			M - NOTE: A		T OF 1.80-			
			MACHININ	IG MAY BE F	REQUIRED					
	Valve Spring Retainers	475094	CHROME	MOLY - USE	WITH [4661	54] & [4662	24]			
			SPRINGS							
		475144			WITH [4664	-				
	Valve Springs	VS-430	-	-	SHAFT (MAC	CHINING MAY BE				
			REQUIRE	,						
	Chrome Moly Push Rods	500384			K ENGINE -					
				CAL LIFTER	S MAX. SPR	ING PRESS	URE 350			
			LBS.			IDON COM				
	3pc Set	40203			HAIN, CAST					
					JLTIPLE KE	YVAY CHAI	NK.			
		40407			S SOLID ROI					
		40407					•			
			IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET HI PRESSURE HI PRESSURE OIL PUMP							
	Oil Pump	M-63HP								
		M-63HV	HI VOL PUMP (25% ADDL VOL OF OIL). CHECK FOR PAN AND CRANK CLEARANCE.							
	Oil Pump Drive Shaft	12630		IANCE TYPE	T. HIGH					
			STRENGTH (150,000 PSI) CHROME MOLY STEEL. IMPROVED SHAFT RETAINER WHICH LOCKS ONTO							
			THE OIL PUMP DRIVE SHAFT							
1	6.6 (400) OHV ENG - 1975-78 -	V8 - 4.34 Bore								
	Torque Camshaft		Degrees	Degrees	Inches	Degrees	Degrees			
			.050" dur	ADV. Dur		Lobe cntr.				
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.				
	HYD. SINGLE BOLT CAM. USE	MTD-2	204 214	278 288	.421 .443	107 117	112			
	[466434]. CLASS I. NOT									
	CALIFORNIA COMPLIANT. NOT									
	COMPUTER COMPATIBLE.									
	POWER RANGE 1200-4700.									
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees			
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation			
		22204	Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	110			
	SINGLE BOLT CAM. CLASS II. NOT CALIFORNIA COMPLIANT.	23204	214 224	288 298	.443 .452	107 117	112			
	NOT CALIFORNIA COMPLIANT.									
	POWER RANGE 1700-5200.									
	SINGLE BOLT CAM. CLASS III.	23302	236 236	302 302	.480 .480	108 108	108			
	NOT CALIFORNIA COMPLIANT.		200 200	002 002		100 100	100			
	NOT COMPUTER COMPATIBLE.									
	POWER RANGE 2500-6000.									
	Mechanical Flat Tappet Lifters	299374		I		1	1			
	Hydraulic Flat Tappet Lifters	299764								
	Valve Locks	471004	INTAKE							
t t										
		474004	EXHAUST							

Line	
No.	Part Title
11	6.6 (400) OHV ENG

Part Title	Part No.	Description
6.6 (400) OHV ENG - 1975-78 -	V8 - 4.34 Bore	
Valve Spring with Mechanical	466154	OUTER - USE WITH STOCK CAMS - MACHINING MAY
Lifters		BE REQUIRED
	466164	1975-1978 INNER - USE WITH STOCK CAMS -
		MACHINING MAY BE REQUIRED
Valve Spring with Hydraulic	466224	USE WITH [23302] & [23204] CAMS - NOTE: ASM.
Lifters		HEIGHT OF 1.80- MACHINING MAY BE REQUIRED
	466434	USE WITH [MTD-2] CAM - NOTE: ASM. HEIGHT OF 1.80
		(MACHINING MAY BE REQUIRED)
Valve Spring Retainers	475094	CHROME - USE WITH [466154] & [466224] SPRINGS
	475144	CHROME - USE WITH [466434] SPRINGS
3pc Set	40203	INCLUDES ROLLER CHAIN, CAST IRON SINGLE BOLT
		CAM SPROCKET & MULTIPLE KEYWAY CRANK
		SPROCKET
	40407	INCLUDES SEAMLESS SOLID ROLLER CHAIN, CAST
		IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK
		SPROCKET
Oil Pump	M-63HP	HI PRESSURE HI PRESSURE OIL PUMP
	M-63HV	HI VOL PUMP (25% ADDL VOL OF OIL). CHECK FOR
		PAN AND CRANK CLEARANCE.
Oil Pump Drive Shaft	12630	PERFORMANCE TYPE INTERMEDIATE SHAFT. HIGH
		STRENGTH (150,000 PSI) CHROME MOLY STEEL.
		IMPROVED SHAFT RETAINER WHICH LOCKS ONTO
		THE OIL PUMP DRIVE SHAFT
6.8 (413) ENG - 1959-65 - 8 Cy	I 4.1876 Bore	

			1			
Torque Camshaft		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
		Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
HYD. SINGLE BOLT CAM. USE [466434]. CLASS I. NOT CALIFORNIA COMPLIANT. NOT	MTD-2	204 214	278 288	.421 .443	107 117	112
COMPUTER COMPATIBLE. POWER RANGE 1200-4700.						
Camshafts Using Hydraulic Flat						
Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
		Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
SINGLE BOLT CAM. CLASS II. NOT CALIFORNIA COMPLIANT.	23204	214 224	288 298	.443 .452	107 117	112
NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5200.						
SINGLE BOLT CAM. CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2500-6000.	23302	236 236	302 302	.480 .480	108 108	108
CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3000-6400.	23321	242 242	329 329	.476 .476	106 106	106
Mechanical Flat Tappet Lifters	299374					
Valve Locks	471004	1959-1965	INTAKE			
	474004	1959-1965	EXHAUST			
Valve Spring with Mechanical	466154	1959-1965	OUTER - U	SE WITH ST	OCK CAMS	-
Lifters		MACHININ	IG MAY BE F	REQUIRED		
Continued on Next Page						

Line No.	Part Title	Part No.			Description					
NO. 12	6.8 (413) ENG - 1959-65 - 8 Cyl		Description							
			1959-1965 INNER - USE WITH STOCK CAMS -							
	Valve Spring with Mechanical Lifters	466164	MACHININ	IG MAY BE I	REQUIRED					
	Valve Spring with Hydraulic Lifters	466224			23204] CAMS HINING MA`					
		466434			M - NOTE: A REQUIRED)		T OF 1.80			
-	Valve Spring Retainers	475094	CHROME		WITH [4661		24]			
		475144	SPRINGS CHROME	MOLY - USE	WITH [4664	341 SPRING	iS			
ŀ	3pc Set	40203			HAIN, CAST					
		CAM SPROCKET & MULTIPLE SPROCKET								
		40407	INCLUDES	SEAMLES	S SOLID ROI	OLID ROLLER CHAIN, CAST MULTIPLE KEYWAY CRANK				
			IRON CAM		T & MULTIPL					
	Oil Pump	M-63HP	HI PRESS	URE HI PRE	SSURE OIL	PUMP				
	•	M-63HV	HI VOL PU	JMP (25% AI	DDL VOL OF	OIL). CHEC	K FOR			
			PAN AND	CRANK CLE	ARANCE.	,				
	Oil Pump Drive Shaft	12630	PERFORM	IANCE TYPE		IATE SHAF	T. HIGH			
			STRENGT	H (150,000 F	PSI) CHROM	OME MOLY STEEL.				
			IMPROVE	D SHAFT RE	TAINER WH	IICH LOCKS	ONTO			
			THE OIL P	UMP DRIVE	SHAFT					
13	7.0 (426) WEDGE ENG - 1963-6	5 - 8 Cyl 4.25	Bore							
	Torque Camshaft		Degrees	Degrees	Inches	Degrees	Degrees			
			.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation			
	HYD. SINGLE BOLT CAM. USE [466434]. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1200-4700.	MTD-2	Int. Exh. 204 214	Int. Exh. 278 288	Int. Exh. .421 .443	Int. Exh. 107 117	112			
	Camshafts Using Hydraulic Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation			
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	ooparation			
	SINGLE BOLT CAM. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5200.	23204	214 224	288 298	.443 .452	107 117	112			
	SINGLE BOLT CAM. CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2500-6000.	23302	236 236	302 302	.480 .480	108 108	108			
	CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3000-6400.	23321	242 242	329 329	.476 .476	106 106	106			
	Mechanical Flat Tappet Lifters	299374					•			
	Valve Locks	471004	1963-1965	INTAKE						
Ì		474004	1963-1965	EXHAUST						
ļ	Valve Spring with Mechanical	466154	1963-1965	OUTER- US	SE WITH STO	OCK CAMS-				
	Lifters			IG MAY BE I						
-		466164	1963-1965	INNER- US	E WITH STO	CK CAMS-				
			MACHINING MAY BE REQUIRED							

Line	D. I.T.II.					•	,		
No. 13	Part Title 7.0 (426) WEDGE ENG - 1963-	Part No.	Bore		Description				
15	Valve Spring with Hydraulic	466224		1 0 100001	22041 CAN		M. HEIGHT		
	Lifters	400224			-				
		466434	OF 1.80- MACHINING MAY BE REQUIRED USE WITH [MTD-2] CAM- NOTE: ASM. HEIGHT OF 1.80						
				NG MAY BE					
	Valve Spring Retainers	475094		MOLY - USE	,		24]		
	3 1 1		SPRINGS		•		-		
		475144	CHROME	MOLY - USE	WITH [4664	34] SPRING	iS		
	Chrome Moly Push Rods	500474	1964-1964	USE W/ME	CH. LIFTERS	6 MAX. SPR	ING		
				E 350 LBS.					
	3pc Set	40203		S ROLLER C					
				OCKET & MU	JLTIPLE KE	YWAY CRAN	١K		
		40047	SPROCKE						
		40217	INCLUDES DOULBLE ROLLER CHAIN, STEEL 3 BOI CAM SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET						
		40407			S SOLID BO	LEB CHAIN			
			INCLUDES SEAMLESS SOLID ROLLER CHAIN, CAST IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK						
			SPROCKE				-		
	Oil Pump	M-63HP	HI PRESS	URE HI PRE	SSURE OIL	PUMP			
		M-63HV	HI VOL PU	IMP (25% AD	DDL VOL OF	OIL). CHEC	K FOR		
			PAN AND CRANK CLEARANCE.						
	Oil Pump Drive Shaft	12630	PERFORMANCE TYPE INTERMEDIATE SHAFT. HIC						
			STRENGTH (150,000 PSI) CHROME MOLY STEEL. IMPROVED SHAFT RETAINER WHICH LOCKS ONTO THE OIL PUMP DRIVE SHAFT						
14	7.0 (426) HEMI ENG - 1966-71 - 8 Cyl 4.250 Bore								
	Valve Spring Retainers Chrome Moly Push Rods	475224 500364	1970-1971 INTAKE MAX. SPRING PRESSURE 350 LBS.						
	Chrome Moly Push Roas	500364 500374		EXHAUST					
	3pc Set	40217		DOULBLE					
	000000			DCKET & MU					
			SPROCKE						
	Oil Pump	M-63HP	HI PRESS	URE HI PRE	SSURE OIL	PUMP			
		M-63HV	HI VOL PU	IMP (25% AD	DDL VOL OF	OIL). CHEC	K FOR		
				CRANK CLE					
	Oil Pump Drive Shaft	12630	-	IANCE TYPE		-	-		
				H (150,000 F	,				
				D SHAFT RE UMP DRIVE		IICH LOCKS	ONTO		
15	7.2 (440) OHV ENC 1066 78	V9 4 220 Boro			SHAFT				
15	7.2 (440) OHV ENG - 1966-78 - Torque Camshaft	Vo - 4.320 Dore							
			Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation		
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.			
	HYD. IMPROVES LOW-MID	MTD-2	204 214	278 288	.421 .443	107 117	112		
		= =							
	PERF. CHECK FOR COIL BIND.								
	PERF. CHECK FOR COIL BIND.								
	PERF. CHECK FOR COIL BIND. USE [466434] SPRING W/								
	PERF. CHECK FOR COIL BIND. USE [466434] SPRING W/ INSTALLED HGT. OF 1.80. SINGLE BOLT CAM. CLASS I. NOT CALIFORNIA COMPLIANT.								
	PERF. CHECK FOR COIL BIND. USE [466434] SPRING W/ INSTALLED HGT. OF 1.80. SINGLE BOLT CAM. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE.								
	PERF. CHECK FOR COIL BIND. USE [466434] SPRING W/ INSTALLED HGT. OF 1.80. SINGLE BOLT CAM. CLASS I. NOT CALIFORNIA COMPLIANT.								

	Part Title	Part No.			Description						
	7.2 (440) OHV ENG - 1966-78 -										
-	Camshafts Using Hydraulic Flat	V0 - 4.020 DOIC									
	Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches	Degrees Lobe cntr.	Degrees				
	Tapper Liners				Valve lift		Separation				
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	110				
	SINGLE BOLT CAM. CLASS II.	23204	214 224	288 298	.443 .452	107 117	112				
	NOT CALIFORNIA COMPLIANT.										
	NOT COMPUTER COMPATIBLE.										
L	POWER RANGE 1700-5200.				100 100	400.400	400				
	SINGLE BOLT CAM. CLASS III.	23302	236 236	302 302	.480 .480	108 108	108				
	NOT CALIFORNIA COMPLIANT.										
	NOT COMPUTER COMPATIBLE.										
L	POWER RANGE 2500-6000.				(70, 170	400.400	100				
	CLASS III. NOT CALIFORNIA	23321	242 242	329 329	.476 .476	106 106	106				
	COMPLIANT. NOT COMPUTER										
	COMPATIBLE. POWER RANGE										
L	3000-6400.										
L	Mechanical Flat Tappet Lifters	299374									
L	Hydraulic Flat Tappet Lifters	299764	1968-1978								
L	Valve Locks	471004	1966-1978								
L		474004	1966-1978								
	Valve Spring with Mechanical	466154		OUTER- US		DCK CAMS-	MS-				
	Lifters			IG MAY BE I							
		466164	1966-1978 INNER- USE WITH STOCK CAMS-								
				IG MAY BE I							
	Valve Spring with Hydraulic	466224		[23302] & [2	-		M. HEIGHT				
	Lifters			IACHINING							
		466434		I [MTD-2] CA			Г OF 1.80				
				NG MAY BE	,						
	Valve Spring Retainers	475094		MOLY- USE	-						
		475144		MOLY - USE		-					
1	Chrome Moly Push Rods	500334		440 ENG. U							
				EDGE ENG							
		500354		440 ENG. U							
				EDGE ENG							
		500474		USE WITH							
			-	EDGE ENG	INE MAX. SF	PRING PRES	SURE 350				
			LBS.		0						
		500544		440 ENG. U							
				EDGE ENG	MAX. SPRIN	NG PRESSU	RE 350				
			LBS.	<u> </u>							
	3pc Set	40203		OLT CAM IN							
				GLE BOLT C		KET & MULI	IPLE				
				CRANK SPR							
		40217		ONLY- 3 BO							
				HAIN, STEE			KET &				
				KEYWAY C							
		40407		OLT CAM IN							
l		ROLLER CHAIN, CAST IRON CAM SPROCKET									
L						(SPROCKET					
L	Oil Pump	M-63HP		URE HI PRE							
		M-63HV		IMP (25% AI		OIL). CHEC	K FOR				
1		1	PAN AND	CRANK CLE	ARANCE.						

Line			
No.	Part Title	Part No.	Description
15	7.2 (440) OHV ENG - 1966-78 -	V8 - 4.320 Bore	
	Oil Pump Drive Shaft	12630	PERFORMANCE TYPE INTERMEDIATE SHAFT. HIGH
			STRENGTH (150,000 PSI) CHROME MOLY STEEL.
			IMPROVED SHAFT RETAINER WHICH LOCKS ONTO
			THE OIL PUMP DRIVE SHAFT

PERFORMANCE - FORD PRODUCTS & TRUCKS

Line	D. 1 711				D			
No.	Part Title 255 ENG - 1980-82 - 8 Cyl 3.6	Part No.			Description			
	Mell Lube	M-10012	ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 40Z CONTAINER.					
		W-10012						
	3pc Set	48551T-9	RECOMME TRACK, H SEAMLES BILLET ST SPROCKE	ENDED FOR OT ROD, CL S DOUBLE F EEL CAM SI	STREET AN AIMER ENG ROLLER CH/ PROCKET & '-4° CAM AD BEARINGS.	INES INCLU AIN (.250" R 9 KEYWAY	IDES OLLER), CRANK	
2	260 ENG - 1962-65 - 8 Cyl 3.8	00 Bore (INCLU						
	Torque Camshaft		Degrees .050" dur Int. Exh.	Degrees ADV. Dur Int. Exh.	Inches Valve lift Int. Exh.	Degrees Lobe cntr. Int. Exh.	Degrees Separation	
	HYD. EXCLUDES ROLLER LIFTERS. USE [VS-270] [466124] [466134] [466444] VALVE SPRINGS. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1000-4500.	MTF-1	204 214	280 289	.449 .473	108 116	112	
	Camshafts Using Hydraulic Flat Tappet Lifters		Degrees .050" dur	Degrees	Inches	Degrees	Degrees	
	rappet Litters			ADV. Dur Int. Exh.	Valve lift Int. Exh.	Lobe cntr. Int. Exh.	Separation	
	CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5200.	24203	Int. Exh. 214 224	288 300	.473 .497	108 116	112	
	CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2200-5700.	24210	224 234	300 306	.497 .520	107 117	112	
	CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5200.	24212	218 218	297 297	.458 .457	106 120	113	
	CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2500-6000.	24301	231 231	288 288	.512 .512	106 114	110	
	CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2200-5400.	24305	227 234	298 302	.520 .520	107 117	112	
	Continued on Next Page							

Part Title	Part No.			Description						
260 ENG - 1962-65 - 8 Cyl 3.8										
Camshafts Using Hydraulic					-	5				
Retro-fit Roller Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees	Degrees				
		Int. Exh.	Int. Exh.	Int. Exh.		Deparation				
FOR USE WITH RETRO-FIT	24110	210 211	298 282	.444 .444		115				
ROLLER LIFTER [F1900RF16]	24110	210 211	200 202		110 110	110				
CLASS I. NOT CALIFORNIA										
COMPLIANT. NOT COMPUTER										
COMPATIBLE. POWER RANGE					nes Degrees Degrees e lift Lobe cntr. Sepa Exh. Int. Exh. . .444 116 115 1 .444 116 115 1 .498 110 110 1 .498 110 110 1 .498 110 110 1 .498 110 110 1 .498 110 110 1 .498 110 110 1 .498 110 110 1 .498 110 110 1 .498 110 110 1 .498 110 110 1 .498 110 110 1 .498 110 110 1 .498 110 110 1 .498 110 10 1 .100 IFORNIA COMPLIANT. 6-[JB-900] LIFTERS & 4 .011 BIND. USE [VS-270] .05 .17.8 Y SETTING JP; SET AT					
1200-4600										
FOR USE WITH RETRO-FIT	24214	219 219	285 285	.498 .498	110 110	110				
ROLLER LIFTER [F1900RF16]										
CLASS II. NOT CALIFORNIA										
COMPLIANT. NOT COMPUTER										
COMPATIBLE. POWER RANGE										
1700-5300										
Mell Lube	M-10012				Int. Exh. 116 115 116 115 111 115 110 110 110 110 110 110 110 110 110 110 110 110 110 110 110 110 110 110 110 110 110 110 N LUBRICANT. EVENT SCORING ART UP. 40Z FIBLE. EXCLUDES IA COMPLIANT. KIT 100] LIFTERS & 40Z D. USE [VS-270] 78 TING TAT ZERO LASH; /ALVE TRAIN ETRO-FIT ROLLER D9] CAM. MACHINING LLED HGT OF 1.78. VE SPRING. VE SPRING. 10], [24212], [24301], [24301], [. HEIGHT OF 1.80.					
				G ENGINE S	TART UP. 4	θZ				
Torque Cam Lifter Kit	CL-MTF-1									
		INCLUDES 1-[MTF-1] CAM, 16-[JB-900] LIFTERS & MELL LUBE. CHECK FOR COIL BIND. USE [VS-27								
		SPRING W	-	0 270]						
Hydraulic Flat Tappet Lifters	299004		EXC. ROLLER USE FACTORY SETTING							
	299014	EXC. ROL	ET AT ZERC	O LASH;						
		MUST BE	USED W/ AE	ED W/ ADJUSTABLE VALVE TRAIN						
Hydraulic Roller Lifters	JB-2205		EPLACEMEN		/LE					
Hydraulic Retro-fit Roller Lifters	F1900RF16				RETRO-FIT	ROLLER				
<u> </u>	(=000)	CAMSHAF	TS [24110],	[24214]						
Valve Locks	472004	1060 1064								
Valve Spring with Mechanical Lifters	466274		EQUIRED 1	-	109] CAM. IV	IACHINING				
Valve Spring with Hydraulic	VS-270									
Lifters	V3-270	-	-							
Liners			IG MAY BE I							
	466124				210]. [24212]. [24301].				
				-						
		PERFORM	IANCE STYL	E VALVE S	PRING. MAC	CHINING				
		MAY BE R	EQUIRED							
	466134			-						
			-							
		PERFORMANCE STYLE VALVE SPRIN								
		MAY BE REQUIRED								
	466444					-				
		MAY BE R		E VALVE SI	- שאווח MIAU					
Valve Spring Retainers	475054			WITH [4661	34] SPRING	as				
Chrome Moly Push Rods	500404			SPRING PF	-					
	500584			URE 350 LB						
Guide Plates	MGP1084			IST BE USEI		REW-IN				
	_		ARM STUDS		-					

Part Title	Part No.	Description		
260 ENG - 1962-65 - 8 C				
Guide Plates	MGP1094	FLAT-3/8" THICK- MUST BE USED WITH SCREW-IN		
		ROCKER ARM STUDS		
3pc Set	40206	INCLUDES ROLLER CHAIN, CAST IRON CAM		
		SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET		
	40402	NOT FOR USE WITH ROLLER CAMS INCLUDES		
		SEAMLESS SOLID ROLLER CHAIN, CAST IRON CAM		
		SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET.		
		MUST USE MF126 (3.356") THRUST PLATE WITH THIS		
		SET. DO NOT USE TWO PIECE FUEL PUMP ECCENTRIC WITH [40402] SET. IF ENGINE HAS TWO PIECE		
		ECCENTRIC DISCARD & USE ONE PIECE ECCENTRIC		
		FORD PT # C3AZ6287B.		
Oil Pump	M-68HV	HI VOL PUMP (25% ADDL VOL OF OIL). CHECK FOR		
		PAN AND CRANK CLEARANCE.		
	10687	STANDARD VOLUME. HEAVY DUTY SHAFT SUPPORT.		
		PROTECTIVE COATING. SCREW IN VALVE. INCLUDES I		
		S SHAFT. USES 5/8" BOLT ON SCREEN.		
	10688	HI VOLUME 25%. HEAVY DUTY SHAFT SUPPORT.		
		PROTECTIVE COATING. SCREW IN VALVE. INCLUDES I		
		S SHAFT. USES 5/8" BOLT ON SCREEN. MAY REQUIRE		
		MINOR OIL PAN MODIFICATION. CHECK FOR PAN AND		
Oil Duma Drive Cheft	10000	CRANK CLEARANCE. PERFORMANCE TYPE INTERMEDIATE SHAFT. HIGH		
Oil Pump Drive Shaft	12680	PERFORMANCE I TPE INTERMEDIATE SHAFT. HIGH		
		STRENGTH (150 000 PSI) CHROME MOLV STEEL		
		STRENGTH (150,000 PSI) CHROME MOLY STEEL.		
		IMPROVED SHAFT RETAINER WHICH LOCKS ONTO		
4.6-R.V.Y (281) DOHC E	NG - 1996-04 - V8 - 3	IMPROVED SHAFT RETAINER WHICH LOCKS ONTO THE OIL PUMP DRIVE SHAFT		
		IMPROVED SHAFT RETAINER WHICH LOCKS ONTO THE OIL PUMP DRIVE SHAFT 5.55 Bore (MUSTANG SVT COBRA VIN V,Y) (MACH 1		
VIN R) 32V ENG NOT M	ANUFACTURED 20	IMPROVED SHAFT RETAINER WHICH LOCKS ONTO THE OIL PUMP DRIVE SHAFT 5.55 Bore (MUSTANG SVT COBRA VIN V,Y) (MACH 1 00 & 2002		
		IMPROVED SHAFT RETAINER WHICH LOCKS ONTO THE OIL PUMP DRIVE SHAFT 5.55 Bore (MUSTANG SVT COBRA VIN V,Y) (MACH 1		
VIN R) 32V ENG NOT M	ANUFACTURED 20	IMPROVED SHAFT RETAINER WHICH LOCKS ONTO THE OIL PUMP DRIVE SHAFT 5.55 Bore (MUSTANG SVT COBRA VIN V,Y) (MACH 1 00 & 2002 1996-1999 ENGINE ASSEMBLY AND BREAK-IN		
VIN R) 32V ENG NOT M	ANUFACTURED 20	IMPROVED SHAFT RETAINER WHICH LOCKS ONTO THE OIL PUMP DRIVE SHAFT 5.55 Bore (MUSTANG SVT COBRA VIN V,Y) (MACH 1 00 & 2002 1996-1999 ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT		
VIN R) 32V ENG NOT M	ANUFACTURED 20	IMPROVED SHAFT RETAINER WHICH LOCKS ONTO THE OIL PUMP DRIVE SHAFT55 Bore (MUSTANG SVT COBRA VIN V,Y) (MACH 100 & 20021996-1999 ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 4OZ CONTAINER.2001-2001 ENGINE ASSEMBLY AND BREAK-IN		
VIN R) 32V ENG NOT M	MANUFACTURED 20	IMPROVED SHAFT RETAINER WHICH LOCKS ONTO THE OIL PUMP DRIVE SHAFT55 Bore (MUSTANG SVT COBRA VIN V,Y) (MACH 100 & 20021996-1999 ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 4OZ CONTAINER.2001-2001 ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENTDOT-2001 ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT		
VIN R) 32V ENG NOT M	MANUFACTURED 20	IMPROVED SHAFT RETAINER WHICH LOCKS ONTO THE OIL PUMP DRIVE SHAFT 5.5 Bore (MUSTANG SVT COBRA VIN V,Y) (MACH 1 00 & 2002 1996-1999 ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 40Z CONTAINER. 2001-2001 ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP.		
VIN R) 32V ENG NOT M	MANUFACTURED 20	IMPROVED SHAFT RETAINER WHICH LOCKS ONTO THE OIL PUMP DRIVE SHAFT 5.5 Bore (MUSTANG SVT COBRA VIN V,Y) (MACH 1 00 & 2002 1996-1999 ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 40Z CONTAINER. 2001-2001 ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 40Z CONTAINER. 2001-2001 ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 40Z CONTAINER.		
VIN R) 32V ENG NOT M	MANUFACTURED 20	IMPROVED SHAFT RETAINER WHICH LOCKS ONTO THE OIL PUMP DRIVE SHAFTS5 Bore (MUSTANG SVT COBRA VIN V,Y) (MACH 100 & 20021996-1999 ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 40Z CONTAINER.2001-2001 ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 40Z CONTAINER.2003-2004 ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 40Z CONTAINER.2003-2004 ENGINE ASSEMBLY AND BREAK-IN		
VIN R) 32V ENG NOT M	MANUFACTURED 20	IMPROVED SHAFT RETAINER WHICH LOCKS ONTO THE OIL PUMP DRIVE SHAFTS55 Bore (MUSTANG SVT COBRA VIN V,Y) (MACH 100 & 20021996-1999 ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 40Z CONTAINER.2001-2001 ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 40Z CONTAINER.2003-2004 ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 40Z CONTAINER.2003-2004 ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT		
VIN R) 32V ENG NOT M	MANUFACTURED 20	IMPROVED SHAFT RETAINER WHICH LOCKS ONTO THE OIL PUMP DRIVE SHAFTS55 Bore (MUSTANG SVT COBRA VIN V,Y) (MACH 100 & 20021996-1999 ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 40Z CONTAINER.2001-2001 ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 40Z CONTAINER.2003-2004 ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 40Z CONTAINER.2003-2004 ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP.		
VIN R) 32V ENG NOT M Mell Lube	MANUFACTURED 20	IMPROVED SHAFT RETAINER WHICH LOCKS ONTO THE OIL PUMP DRIVE SHAFT5.55 Bore (MUSTANG SVT COBRA VIN V,Y) (MACH 100 & 20021996-1999 ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 		
VIN R) 32V ENG NOT M	MANUFACTURED 20 M-10012 M-10012 M-10012 M-10012	IMPROVED SHAFT RETAINER WHICH LOCKS ONTO THE OIL PUMP DRIVE SHAFT55 Bore (MUSTANG SVT COBRA VIN V,Y) (MACH 100 & 20021996-1999 ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 40Z CONTAINER.2001-2001 ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 40Z CONTAINER.2003-2004 ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 40Z CONTAINER.2003-2004 ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 		
VIN R) 32V ENG NOT M Mell Lube	MANUFACTURED 20 M-10012 M-10012 M-10012 M-10012	IMPROVED SHAFT RETAINER WHICH LOCKS ONTO THE OIL PUMP DRIVE SHAFTIMPROVED SHAFTS5 Bore (MUSTANG SVT COBRA VIN V,Y) (MACH 100 & 20021996-1999 ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 40Z CONTAINER.2001-2001 ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 40Z CONTAINER.2003-2004 ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 40Z CONTAINER.2003-2004 ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 40Z CONTAINER.1996-1999 STANDARD VOLUME. PROTECTIVE		
VIN R) 32V ENG NOT M Mell Lube	MANUFACTURED 20 M-10012 M-10012 M-10012 M-10012	IMPROVED SHAFT RETAINER WHICH LOCKS ONTO THE OIL PUMP DRIVE SHAFTIMPROVED SHAFTS5 Bore (MUSTANG SVT COBRA VIN V,Y) (MACH 100 & 20021996-1999 ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 40Z CONTAINER.2001-2001 ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 40Z CONTAINER.2003-2004 ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 40Z CONTAINER.2003-2004 ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 40Z CONTAINER.1996-1999 STANDARD VOLUME. PROTECTIVE ANODIZED BODY. MAG PHOSPHATE COATED COVER.		
VIN R) 32V ENG NOT M Mell Lube	MANUFACTURED 20 M-10012 M-10012 M-10012 M-10012	IMPROVED SHAFT RETAINER WHICH LOCKS ONTO THE OIL PUMP DRIVE SHAFTS55 Bore (MUSTANG SVT COBRA VIN V,Y) (MACH 100 & 20021996-1999 ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 40Z CONTAINER.2001-2001 ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 40Z CONTAINER.2003-2004 ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 40Z CONTAINER.2003-2004 ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 40Z CONTAINER.1996-1999 STANDARD VOLUME. PROTECTIVE ANODIZED BODY. MAG PHOSPHATE COATED COVER. 130,000 TSI TENSILE STRENGTH BILLET STEEL 		
VIN R) 32V ENG NOT M Mell Lube	MANUFACTURED 20 M-10012 M-10012 M-10012 M-10012 10227	IMPROVED SHAFT RETAINER WHICH LOCKS ONTO THE OIL PUMP DRIVE SHAFT 3:55 Bore (MUSTANG SVT COBRA VIN V,Y) (MACH 100 & 2002 1996-1999 ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 		
VIN R) 32V ENG NOT M Mell Lube	MANUFACTURED 20 M-10012 M-10012 M-10012 M-10012 10227	IMPROVED SHAFT RETAINER WHICH LOCKS ONTO THE OIL PUMP DRIVE SHAFT5.55 Bore (MUSTANG SVT COBRA VIN V,Y) (MACH 100 & 20021996-1999 ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 		
VIN R) 32V ENG NOT M Mell Lube	MANUFACTURED 20 M-10012 M-10012 M-10012 M-10012 10227 10227	IMPROVED SHAFT RETAINER WHICH LOCKS ONTO THE OIL PUMP DRIVE SHAFT255 Bore (MUSTANG SVT COBRA VIN V,Y) (MACH 100 & 20021996-1999 ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 		
VIN R) 32V ENG NOT M Mell Lube	MANUFACTURED 20 M-10012 M-10012 M-10012 M-10012 10227	IMPROVED SHAFT RETAINER WHICH LOCKS ONTO THE OIL PUMP DRIVE SHAFTS55 Bore (MUSTANG SVT COBRA VIN V,Y) (MACH 100 & 20021996-1999 ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 		
VIN R) 32V ENG NOT M Mell Lube	MANUFACTURED 20 M-10012 M-10012 M-10012 M-10012 10227 10227	IMPROVED SHAFT RETAINER WHICH LOCKS ONTO THE OIL PUMP DRIVE SHAFTS55 Bore (MUSTANG SVT COBRA VIN V,Y) (MACH 100 & 20021996-1999 ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 		
VIN R) 32V ENG NOT M Mell Lube	MANUFACTURED 20 M-10012 M-10012 M-10012 M-10012 10227 10227	IMPROVED SHAFT RETAINER WHICH LOCKS ONTO THE OIL PUMP DRIVE SHAFTS55 Bore (MUSTANG SVT COBRA VIN V,Y) (MACH 100 & 20021996-1999 ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 		
VIN R) 32V ENG NOT M Mell Lube	MANUFACTURED 20 M-10012 M-10012 M-10012 M-10012 10227 10227	IMPROVED SHAFT RETAINER WHICH LOCKS ONTO THE OIL PUMP DRIVE SHAFTS55 Bore (MUSTANG SVT COBRA VIN V,Y) (MACH 100 & 20021996-1999 ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 		

Line			,						
No.	Part Title	Part No.			Description				
3	4.6-R,V,Y (281) DOHC ENG - 19		•	STANG SV	T COBRA	VIN V,Y) (I	MACH 1		
	VIN R) 32V ENG NOT MANUF								
	Oil Pump Screen	335S	2001-2001						
		335S	2003-2004						
4	4.6-X (281) SOHC ENG - 1996-0	04 - V8 - 3.550 B	ore (MUST	ANG GT) 1	6V				
	Mell Lube	M-10012		SSEMBLY A					
			PLATES WEAR SURFACES TO PREVENT SCORING						
				ING DURING	G ENGINE S	TART UP. 4	OZ		
			CONTAINE						
	Oil Pump	10176		D VOLUME.					
				SPHATE CO					
				STRENGTH I USES 13/16			. SCREW		
·		10227		USES 13/10 UME 8%. PF			RODV		
		10227		SPHATE CO					
				STRENGTH		,			
				USES 335S					
	Oil Pump Screen	335S							
5	4.6-H,8 (281) SOHC ENG - 2006		Bore (06-10	MUSTANO	GT) (07-0	8 SHEL BY	GT)		
	(08-09 BULLIT) (06-10 EXPLOF		•		, ,		,		
		-	, , ,	SSEMBLY A		1			
	Mell Lube	M-10012	-	REVENT SC					
			AND GALLING DURING ENGINE START UP. 40Z CONTAINER.						
	Oil Pump	10340	HI PRESSURE. PROTECTIVE ANODIZED COATED						
			BODY. CAST ALUMINUM COVER WITH PHOSTPHATE						
	COATING. USES 15/16" BOLT ON SCREEN.								
6	289 ENG - 1963-68 - 8 Cyl 4.0	00 Bore (INCLU	DES MERO	CURY)					
	Torque Camshaft		Degrees	Degrees	Inches	Degrees	Degrees		
	•		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation		
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.			
	HYD. EXCLUDES ROLLER	MTF-1	204 214	280 289	.449 .473	108 116	112		
	LIFTERS. USE [VS-270] [466124]								
	[466134] [466444] VALVE								
	SPRINGS. CLASS I. NOT								
	CALIFORNIA COMPLIANT. NOT								
	COMPUTER COMPATIBLE.								
	POWER RANGE 1000-4500.								
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees		
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation		
	CLASS II. NOT CALIFORNIA	24203	Int. Exh. 214 224	Int. Exh. 288 300	Int. Exh. .473 .497	Int. Exh. 108 116	112		
	COMPLIANT. NOT CALIFORNIA	24203	214 224	200 300	.473 .497	106 116	112		
	COMPATIBLE. POWER RANGE								
	1700-5200.								
	CLASS II. NOT CALIFORNIA	24210	224 234	300 306	.497 .520	107 117	112		
	COMPLIANT. NOT COMPUTER					107 117			
	COMPATIBLE. POWER RANGE								
	2200-5700.								
	CLASS II. NOT CALIFORNIA	24212	218 218	297 297	.458 .457	106 120	113		
	COMPLIANT. NOT COMPUTER								
	COMPATIBLE. POWER RANGE								
	1700-5200.								
	Continued on Next Page								

Line		Dout No.			Deceriation			
No. 6	Part Title 289 ENG - 1963-68 - 8 Cyl 4.0	Part No.			Description			
0	Camshafts Using Hydraulic Flat							
	Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation	
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.		
	CLASS III. NOT CALIFORNIA	24301	231 231	288 288	.512 .512	106 114	110	
	COMPLIANT. NOT COMPUTER							
	COMPATIBLE. POWER RANGE							
	2500-6000.							
	CLASS III. NOT CALIFORNIA	24305	227 234	298 302	.520 .520	107 117	112	
	COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE							
	2200-5400.							
	Camshafts Using Hydraulic		Degrees	Degrees	Inches	Degrees	Degrees	
	Retro-fit Roller Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation	
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	•	
	FOR USE WITH RETRO-FIT	24110	210 211	298 282	.444 .444	116 115	115	
	ROLLER LIFTER [F1900RF16]							
	CLASS I. NOT CALIFORNIA							
	COMPLIANT. NOT COMPUTER							
	COMPATIBLE. POWER RANGE							
	1200-4600 FOR USE WITH RETRO-FIT	24214	219 219	285 285	.498 .498	110 110	110	
	ROLLER LIFTER [F1900RF16]	24214	219 219	200 200	.490 .490		110	
	CLASS II. NOT CALIFORNIA							
	COMPLIANT. NOT COMPUTER							
	COMPATIBLE. POWER RANGE							
	1700-5300							
	Mell Lube	M-10012	ENGINE ASSEMBLY AND BREAK-IN LUBRICANT.					
					ACES TO PF			
			CONTAINE		G ENGINE S	TART UP. 4	02	
	Torque Cam Lifter Kit	CL-MTF-1			TER COMPA			
					CAM, 16-[JB-			
			MELL LUB	E. CHECK F	OR COIL BI	ND. USE [VS	6-270]	
					DHGT. OF 1			
	Hydraulic Flat Tappet Lifters	299004			CTORY SET			
		299014			UMP UP; SE			
	Hydraulic Roller Lifters	JB-2205				VALVEIRA		
	Hydraulic Retro-fit Roller Lifters	F1900RF16			DR USE W/ F	RETRO-FIT I	ROLLER	
	-			TS [24110],			-	
	Valve Locks	472004						
	Valve Spring with Mechanical	466274			E WITH [244	-		
	Lifters		_	-	E VALVE SPI	RING. MACH	HINING	
	<u> </u>	NO 070	MAY BE REQUIRED 1.080 O.D. USE W/ [MTF-1] CAMSHAFT. INSTALLED HGT OF					
	Valve Spring with Hydraulic Lifters	VS-270	-	-				
	Litters			EPLACEMEN	IT TYPE VAI		ג.	
		466124			E WITH [242	210] [24212]	[24301]	
					6. NOTE: ASI			
				-	E VALVE SPI			
			MAY BE R	EQUIRED				
	Continued on Next Page							

Line No.	Part Title	Part No.	Description
6	289 ENG - 1963-68 - 8 Cyl 4.0		· •
0	Valve Spring with Hydraulic	466134	1963-1968 OUTER - USE WITH [24210], [24212], [24301],
	Lifters	400134	[24203], [MTF-1] CAMS. NOTE: ASM. HEIGHT OF 1.80.
	Litters		PERFORMANCE TYPE VALVE SPRING. MACHINING
			MAY BE REQUIRED
		466444	USE WITH [24210], [24212], [24301], [24203], [MTF-1],
		400444	[MTF-5] CAMS. NOTE: ASM. HEIGHT OF 1.80.
			PERFORMANCE TYPE VALVE SPRING. MACHINING
			MAY BE REQUIRED
	Valve Spring Retainers	475054	CHROME MOLY - USE WITH [466134] SPRINGS
	Chrome Moly Push Rods	500584	MAX. SPRING PRESSURE 350 LBS.
	Guide Plates	MGP1084	FLAT-5/16" THICK- MUST BE USED WITH SCREW-IN
	Guide Flates	MGF 1004	ROCKER ARM STUDS
		MGP1094	FLAT-3/8" THICK- MUST BE USED WITH SCREW-IN
		MGF 1094	ROCKER ARM STUDS
	Gear Drive Set	48420	LATE 1965 CAR APPLICATIONS USE 1/4" THRUST
		70720	PLATE, TRUCK APPLICATIONS: SPACER CAST INTO
			HUB. OLDER ENGINES DISCARD SEPERATE
			CAMSHAFT SPACER. INCLUDES 8620 CARBURIZED
			STEEL GEARS, ROLLER CAM BUTTON, LOCK PLATE
			AND BOLTS, TIMING ADJUSTED WITH 5 OPTIONAL
			COLOER CODED DOWEL PIN HOLE INSERTS.
	3pc Set	40206	INCLUDES ROLLER CHAIN, CAST IRON CAM
		10200	SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET
		40402	INCLUDES SEAMLESS SOLID ROLLER CHAIN, CAST
			IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK
			SPROCKET. MUST USE MF126 (3.356") THRUST PLATE
			WITH THIS SET. DO NOT USE TWO PIECE FUEL PUMP
			ECCENTRIC WITH [40402] SET. IF ENGINE HAS TWO
			PIECE ECCENTRIC DISCARD & USE ONE PIECE
			ECCENTRIC FORD PT # C3AZ6287B.
		48520T-9	LATE 1965 USE 1/4" THRUST PLATE INCLUDES
			SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),
			BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS
			FIT ROLLER THRUST BEARINGS.
		48520W-9	LATE 1965 USE 1/4" THRUST PLATE INCLUDES
			SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),
			BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZE
			WASHER
	Oil Pump	M-68HV	HI VOL PUMP (25% ADDL VOL OF OIL). CHECK FOR
			PAN AND CRANK CLEARANCE.
		10687	STANDARD VOLUME. HEAVY DUTY SHAFT SUPPORT.
			PROTECTIVE COATING. SCREW IN VALVE. INCLUDES I/
			S SHAFT. USES 5/8" BOLT ON SCREEN.
		10688	HI VOLUME 25%. HEAVY DUTY SHAFT SUPPORT.
			PROTECTIVE COATING. SCREW IN VALVE. INCLUDES I/
			S SHAFT. USES 5/8" BOLT ON SCREEN. MAY REQUIRE
			MINOR OIL PAN MODIFICATION. CHECK FOR PAN AND
			CRANK CLEARANCE.
	Continued on Next Page		

Line No.	Part Title	Part No.			Description		
6	289 ENG - 1963-68 - 8 Cyl 4.0				Description		
	Oil Pump Drive Shaft	12680	PERFORM STRENGT IMPROVE THE OIL P	IANCE TYPE H (150,000 F D SHAFT RE UMP DRIVE	PSI) CHROM TAINER WH SHAFT	E MOLY ST IICH LOCKS	EEL.
7	302 ENG - 1968-2001 - 8 Cyl 4	4.000 Bore (INC	LUDES ME	RCURY AN	ND LINCOL	N)	
	Torque Camshaft		Degrees .050" dur Int. Exh.	Degrees ADV. Dur Int. Exh.	Inches Valve lift Int. Exh.	Degrees Lobe cntr. Int. Exh.	Degrees Separation
	1968-1985 HYD. FOR 302 H/O ENGINE. USE LIFTER [466444]. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1000-4500.	MTF-5	204 214	280 290	.449 .473	107 117	112
	Camshafts Using Hydraulic Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
	1968-1985 WHEN INSTALLING IN THE 302 H/O USE FIRING ORDER (15426378). CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5200.	24203	Int. Exh. 214 224	Int. Exh. 288 300	Int. Exh. .473 .497	Int. Exh. 108 116	112
	1968-1985 WHEN INSTALLING IN THE 302 H/O USE FIRING ORDER (15426378). CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5200.	24212	218 218	297 297	.458 .457	106 120	113
	1968-1985 WHEN INSTALLING IN THE 302 H/O USE FIRING ORDER (15426378). CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2500-6000.	24301	231 231	288 288	.512 .512	106 114	110
	1968-1995 CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2200-5400.	24305	227 234	298 302	.520 .520	107 117	112
	Camshafts Using Hydraulic Roller Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
	1985-1995 FOR H/O ENGINES ORIGINALLY EQUIPPED WITH ROLLER CAMS. USE FIRING ORDER (13726548). CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2300-58000. Continued on Next Page	24227	Int. Exh. 222 232	Int. Exh. 300 309	Int. Exh.	Int. Exh. 107 117	112

Line No.	Part Title	Part No.			Description			
7	302 ENG - 1968-2001 - 8 Cyl							
- 4	Camshafts Using Hydraulic					,	_	
	Roller Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation	
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.		
	1968-1994 FOR H/O ENGINES	24280	220 223	286 292	.512 .512	109 115	112	
	ORIGINALLY EQUIPPED WITH							
	ROLLER CAMS. CLASS II. NOT							
	CALIFORNIA COMPLIANT. NOT							
	COMPUTER COMPATIBLE.							
	POWER RANGE 2000-5000.							
	Camshafts Using Hydraulic		Degrees	Degrees	Inches	Degrees	Degrees	
	Retro-fit Roller Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation	
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.		
	FOR USE WITH RETRO-FIT	24110	210 211	298 282	.444 .444	116 115	115	
	ROLLER LIFTER [F1900RF16]							
	CLASS I. NOT CALIFORNIA							
	COMPLIANT. NOT COMPUTER							
	COMPATIBLE. POWER RANGE							
	1200-4600							
	FOR USE WITH RETRO-FIT	24214	219 219	285 285	.498 .498	110 110	110	
	ROLLER LIFTER [F1900RF16]							
	CLASS II. NOT CALIFORNIA							
	COMPLIANT. NOT COMPUTER							
	COMPATIBLE. POWER RANGE							
	1700-5300	0.4000	010,000		404 500	107 117	110	
	1985-1995 FOR H/O ENGINES	24226	212 222	289 300	.491 .509	107 117	112	
	ORIGINALLY EQUIPPED WITH							
	ROLLER CAMS. USE RETRO-FIT							
	ROLLER LIFTER [F1900RF16]; USE FIRING ORDER 13726548.							
	CLASS II. NOT CALIFORNIA							
	COMPLIANT. NOT COMPUTER							
	COMPATIBLE. POWER RANGE							
	1200-5000							
	Mell Lube	M-10012	ENGINE A	SSEMBLY A	ND BREAK-	IN LUBRICA		
				001	ACES TO PF			
					G ENGINE S			
			CONTAINE	ER.				
	Torque Cam Lifter Kit	CL-MTF-5	1982-1985	CLASS I NO	T COMPUT	ER COMPA	TIBLE. FOR	
	-		302 H/O E	NGINE. EXC	. ROLLER L	IFTERS. US	E [466444].	
			CLASSIH	YD. NOT CA		OMPLIANT	. NOT	
			COMPUTE	R COMPAT	IBLE. KIT IN	CLUDES 1-[MTF-5]	
			CAM, 16-[JB-900] LIFTERS & 4OZ MELL LUBE. CHECK					
			FOR COIL BIND. USE [VS-280] SPRING W/INSTALLED					
				-	5] RETAINEI			
					CK FORD IN			
					HAUST SPR	INGS AND I	ROTATING	
			RETAINEF	-				
	Hydraulic Flat Tappet Lifters	299004			ER USE FAC			
		299014			ER. ANTI-PL			
					W/ ADJUS	I ABLE VAL	/E I KAIN	
	Hydraulic Roller Lifters	JB-2205	STOCK RE	EPLACEMEN	II IYPE			
	Continued on Next Page							

Line	r		RMANCE - FORD PRODUCTS & TRUCKS (Continued)
Line No.	Part Title	Part No.	Description
7	302 ENG - 1968-2001 - 8 Cyl	4.000 Bore (INC	LUDES MERCURY AND LINCOLN)
	Hydraulic Retro-fit Roller Lifters	F1900RF16	1968-2001 RETRO-FIT LIFTER FOR USE W/ RETRO-FIT
			ROLLER CAMSHAFTS [24110], [24214], [24226];
			REQUIRES HEAD REMOVAL TO INSTALL LIFTERS
	Valve Locks	472004	
	Valve Spring with Mechanical	466274	1968-2001 INNER - USE WITH [24409] CAM. MACHINING
	Lifters		MAY BE REQUIRED 1.080 O.D.
	Valve Spring with Hydraulic	466124	1968-2001 INNER - USE WITH [24210], [24212], [24301],
	Lifters		[24203], [MTF-1] CAMS. NOTE: ASM. HEIGHT OF 1.80.
			MACHINING MAY BE REQUIRED
		466134	1968-2001 OUTER - USE WITH [24210], [24212], [24301],
			[24203], [MTF-1] CAMS. NOTE: ASM. HEIGHT OF 1.80.
			MACHINING MAY BE REQUIRED
		466444	USE WITH [24210], [24212], [24301], [24203], [MTF-1],
			[MTF-5] CAMS. NOTE: ASM. HEIGHT OF 1.80.
			MACHINING MAY BE REQUIRED
	Valve Spring Retainers	475054	CHROME MOLY - USE WITH [466134] SPRINGS
	Chrome Moly Push Rods	500414	1969-1970 HEAT TREATED. 302 BOSS MAX. SPRING
			PRESSURE 350 LBS.
		500444	1971-1972 HEAT TREATED. 302 BOSS MAX. SPRING
			PRESSURE 350 LBS.
		500584	1968-1969 TO CHANGE L4 MAX. SPRING PRESSURE
	Guide Plates	MGP1084	FLAT-5/16" THICK- MUST BE USED WITH SCREW-IN
		MODIA	
		MGP1094	FLAT-3/8" THICK- MUST BE USED WITH SCREW-IN
	Coor Drive Set	49400	ROCKER ARM STUDS 1968-1995 RECOMMENDED FOR STREET AND STRIP,
	Gear Drive Set	48420	CLAIMER AND RACING ENGINES UP TO 6,500 RPM.
			89-94 W/ROLLER CHAIN, 94-95 W/SILENT CHAIN. 68-72
			USE STAND. 1/4" THRUST PLATE. SPACER CAST INTO
			SPROCKET HUB, OLDER ENGINES DISCARD
			SEPERATE CAM SPACER. CAR APPLICATIONS ONLY.
			INCLUDES 8620 CARBURIZED STEEL GEARS, ROLLER
			CAM BUTTON, LOCK PLATE AND BOLTS, TIMING
			ADJUSTED WITH 5 OPTIONAL COLOER CODED DOWEL
			PIN HOLE INSERTS.
		48420	1969-1972 RECOMMENDED FOR STREET AND STRIP,
			CLAIMER AND RACING ENGINES UP TO 6,500 RPM.
			SPACER CAST INTO SPROCKET HUB, OLDER ENGINES
			DISCARD SEPERATE CAMSHAFT SPACER. TRUCK
			APPLICATIONS ONLY. INCLUDES 8620 CARBURIZED
			STEEL GEARS, ROLLER CAM BUTTON, LOCK PLATE
			AND BOLTS, TIMING ADJUSTED WITH 5 OPTIONAL
			COLOER CODED DOWEL PIN HOLE INSERTS.
	3pc Set	40206	1968-1994 CAR AND TRUCK APPLICATIONS INCLUDES
			ROLLER CHAIN, CAST IRON CAM SPROCKET &
			MULTIPLE KEYWAY CRANK SPROCKET
	Continued on Next Page		
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Line No.	Part Title	Part No.	Description
7	302 ENG - 1968-2001 - 8 Cyl	4.000 Bore (INC	LUDES MERCURY AND LINCOLN)
-	3pc Set	40402	YOU MUST USE [MF126] (3.356"L) THRUST PLATE
			RATHER THAN [MF125] OR STOCK (3.882"L) PLATE.
			NOT FOR ROLLER CAMS INCLUDES SEAMLESS SOLID
			ROLLER CHAIN, CAST IRON CAM SPROCKET &
			MULTIPLE KEYWAY CRANK SPROCKET. MUST USE
			MF126 (3.356") THRUST PLATE WITH THIS SET. DO NOT
			USE TWO PIECE FUEL PUMP ECCENTRIC WITH [40402]
			SET. IF ENGINE HAS TWO PIECE ECCENTRIC DISCARD
			& USE ONE PIECE ECCENTRIC FORD PT # C3AZ6287B.
		48520T-9	1968-1972 CAR AND TRUCK APPLICATIONS. CAR
			APPLICATIONS USE 1/4" THRUST PLATE. INCLUDES
			SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),
			BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS
		4050000	FIT ROLLER THRUST BEARINGS.
		48520W-9	1968-1972 CAR AND TRUCK APPLICATIONS. CAR
			APPLICATIONS USE 1/4" THRUST PLATE. INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),
			BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZE
			WASHER
		48551T-9	1972-1995 RECOMMENDED FOR STREET AND STRIP,
			CIRCLE TRACK, HOT ROD, CLAIMER ENGINES. 1989-94
			WITH ROLLER TYPE CHAIN, 1994-95 WITH SILENT
			TYPE CHAIN. 80-88 H/O CAR APPLICATIONS ONLY.
			SPACER CAST INTO SPROCKET HUB. OLDER ENGINES
			DISCARD SEPERATE CAMSHAFT SPACER. INCLUDES
			SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),
			BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS
			FIT ROLLER THRUST BEARINGS.
		48551T-9	1972-2001 RECOMMENDED FOR STREET AND STRIP,
			CIRCLE TRACK, HOT ROD, CLAIMER ENGINES. 1989-90
			WITH ROLLER TYPE CHAIN, 1994-01 WITH SILENT
			TYPE CHAIN. SPACER CAST INTO SPROCKET HUB OLDER ENGINES DISCARD SEPERATE CAMSHAFT
			SPACER. TRUCK APPLICATIONS ONLY. INCLUDES
			SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),
			BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK
			SPROCKET WITH $+4^{\circ}/-4^{\circ}$ CAM ADJUSTMENT. PRESS
			FIT ROLLER THRUST BEARINGS.
	Oil Pump	M-68HV	HI VOL PUMP (25% ADDL VOL OF OIL). CHECK FOR
	-		PAN AND CRANK CLEARANCE.
		10687	STANDARD VOLUME. HEAVY DUTY SHAFT SUPPORT.
			PROTECTIVE COATING. SCREW IN VALVE. INCLUDES I/
			S SHAFT. USES 5/8" BOLT ON SCREEN.
		10688	HI VOLUME 25%. HEAVY DUTY SHAFT SUPPORT.
			PROTECTIVE COATING. SCREW IN VALVE. INCLUDES I/
			S SHAFT. USES 5/8" BOLT ON SCREEN. MAY REQUIRE
			MINOR OIL PAN MODIFICATION. CHECK FOR PAN AND
	Continued on Next Ress		CRANK CLEARANCE.
	Continued on Next Page		

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Line No.	Part Title	Part No.			Description		
7	302 ENG - 1968-2001 - 8 Cyl	4.000 Bore (INC	LUDES ME			N)	
	Oil Pump Drive Shaft	12680	STRENGT	H (150,000 F	E INTERMED PSI) CHROM ETAINER WH E SHAFT	E MOLY ST	EEL.
8	5.4-5,V (330) SOHC ENG - 2004	4-08 - 8 Cyl - 3.55 Bore (05-08 EXPEDITION) (04-08 F SERIES) (06-					
	MARK LT) (05-08 NAVIGATOR) 24V ENGINE					
	Mell Lube	M-10012 ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 40Z CONTAINER.					
	Oil Pump	10340	BODY. CA	ST ALUMIN	ECTIVE ANC UM COVER \ 6" BOLT ON 3	NITH PHOS	
9	351W ENG - 1984-94 - 8 Cyl 4	4.000 Bore 351 \	WINDSOR I	H.O. (VIN F	I)(TRUCK A	PPLICATI	ONS
	INCLUDES VANS) Torque Camshaft		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Copulation
	HYD. IMPROVES LOW-MID PERF. CHECK FOR COIL BIND. CAM LIFT .280 INT .295 EXH CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER BANGE	MTF-5	204 214	280 290	.449 .473	107 117	112
	1000-4500.						
	Camshafts Using Hydraulic Flat Tappet Lifters		Degrees .050" dur Int. Exh.	Degrees ADV. Dur Int. Exh.	Inches Valve lift Int. Exh.	Degrees Lobe cntr. Int. Exh.	Degrees Separation
	USE 302 FIRING ORDER - 15426378. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1000-4500.	24108	190 202	258 271	0.412 0.437	106 114	110
	CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2200-5400.	24211	224 234	300 306	.497 .520	107 117	112
	CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5200.	24225	219 219	308 308	.467 .467	107 119	113
	USE 302 FIRING ORDER 15426378. CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2200-5400. Continued on Next Page	24305	227 234	298 302	.520 .520	107 117	112

No. Part No. Description 3 Stift WRG - 1984-94 - 8 Cyt 4.000 Bore 351 WINDSOR H.O. (VIN H)(TRUCK APPLICATIONS INCLUDES VANS) Camshaffs Using Hydraulic Retro-fit Roller Lifters Degrees Degrees Inches Degrees Degrees FOR USE WITH RETRO-FIT ROLLER LIFTER [F1900FF16] 24110 200 211 298 282 444 .444 116 115 115 COMPLIANT. NOT COMPUTER COMPLIANT. NOT COMPUTER COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 24214 219 219 285 285 498 .498 110 110 110 COMPLIANT. NOT CALIFORNIA COMPLIANT. NOT CAUFORNIA 24214 219 219 285 285 498 .498 110 110 110 ROLLES UNTER FERSON M-10012 ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SUPFACES TO PREVENT SCONING AND CALLING DURING ENGINE START UP. A02 CONTAINER. Hydraulic Flat Tappet Lifters 299014 PERFORMANCE TYPE LIFTER. NOT PUMPU PP. SET AT ZERO LASH: MUST BE USED WADJUSTABLE VALVE TRAIN Hydraulic Roller Lifters JB-2205 STOCK REPLACEMENT TYPE LIFTER; MAY BE USED FOR ENGINES ORIGINALLY SUPPLIED WINDUED WINCLER CAMSHAFTS Hydraulic Roller Lifters 19-2205 STOCK REPLACEMENT TYPE LIFTER; MAY BE USED FOR ENGINES ORIGINALLY SUPPLIED WROLLER CAMSHAFTS	Line No.	Part Title	Part No.							
INCLUDES VANS) Camshafts Using Hydraulic Retro-fit Roller Lifters Degrees (50° du/ ADV, Dur Vales III, Lobe ontr. Separation Int. Exh. Inc. Exh.										
Camshafts Using Hydraulic Retro-fit Roller Lifters Degrees .050° du HL Exh. Int. Exh.						<u> </u>				
Retro-fit Roller Lifters 080° dur ADY. Dur Valve with Lobe ontr. Separation POR USE WITH RETRO-FIT ROLLER LIFTER [F1900RF16] CLASS I. NOT CALIFORNIA 24110 210 211 298 282 .444 .444 116 115 115 COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 24214 219 219 285 285 .498 .498 110 110 110 ROLLER LIFTER [F1900RF16] CLASS II. NOT CALIFORNIA 24214 219 219 285 285 .498 .498 110 110 110 COMPATIBLE. POWER RANGE 210 211 295 285 .498 .498 110 110 110 COMPATIBLE. POWER RANGE 24214 219 219 285 285 .498 .498 110 110 110 COMPATIBLE. POWER RANGE M-10012 ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEARS SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 402 CONTAINER. 290014 29014 <				D	D		P	P		
FOR USE WITH RETRO-FIT ROLLER LIFTER [F1900RF16] CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1200-4600 24110 210 211 298 282 .444 .444 116 115 115 COMPATIBLE. POWER RANGE 1200-4600 1200-4600 219 219 285 285 .498 .498 110 110 110 COMPATIBLE. POWER RANGE 1200-4600 ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 24214 219 219 285 285 .498 .498 110 110 110 COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE M-10012 ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 402 CONTAINER. Hydraulic Flat Tappet Lifters 299004 PERFORMANCE TYPE LIFTER. ANTI-PUMP UP, SET AT ZERO LASH, MUST BE USED WI ADJUSTABLE VALVE TRAIN Hydraulic Roller Lifters JB-2205 STOCK REPLACEMENT TYPE LIFTER. MAY BE USED FOR ENGINES ORIGINALLY SUPPLIED WIROLLER CAMSHAFTS Hydraulic Retro-fit Roller Lifters F1900RF16 PERFORMANCE TYPE RETRO-FIT LIFTER FOR USE WI RETRO-FIT ROLLER CAMSHAFT Valve Spring Retainers 475054 CHROME MOLY - USE WITH [24225] & [MTF-5] CAMS- MACHINING MAY BE REQUIRED Valve Spring Retainers 475054 CHROME MOLY - USE WITH [26174] SPRINGS Guide Plates MGP1084 FLAT-576" THICK- MUST BE USED WITH		C .		Degrees	Degrees					
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	Part Title	Part No.	Description				
	351W ENG - 1984-94 - 8 Cyl 4.000 Bore 351 WINDSOR H.O. (VIN H)(TRUCK APPLICATIONS						
	INCLUDES VANS)						
-	3pc Set	48551T-9	1984-1985 4BBL ENG. ONLY; RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD, CLAIMER ENGINES. INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4 -4° CAM ADJUSTMENT. PRESS FIT ROLLER THRUST BEARINGS.				
	Oil Pump	M-83HV	HI VOLUME PUMP (25% ADDL VOLUME OF OIL) STOC RELIEF VALVE AND SHAFT DESIGN - CHECK FOR PA AND CRANK CLEARANCE.				
-		10832	STANDARD VOLUME. HEAVY DUTY SHAFT SUPPORT PERFORMANCE VALVE AND SHAFT DESIGN. RELIEF VALVE CUP PLUG REPLACED BY SCREW IN PLUG. INCLUDES I/S SHAFT. MAY REQUIRE MINOR OIL PAN MODIFICATION.				
-		10833	HI VOLUME 25%. HEAVY DUTY SHAFT SUPPORT. PERFORMANCE VALVE AND SHAFT DESIGN. RELIEF VALVE CUP PLUG REPLACED BY SCREW IN PLUG. INCLUDES I/S SHAFT. MAY REQUIRE MINOR OIL PAN MODIFICATION. CHECK FOR PAN AND CRANK CLEARANCE.				
	Oil Pump Drive Shaft	12830	PERFORMANCE TYPE INTERMEDIATE SHAFT. HIGH STRENGTH (150,000 PSI) CHROME MOLY STEEL. IMPROVED SHAFT RETAINER WHICH LOCKS ONTO THE OIL PUMP DRIVE SHAFT				

10 351W ENG - 1969-85 - 8 Cyl. - 4.000 Bore 351 WINDSOR (VIN H,M,G)(TRUCK APPLICATIONS INCLUDES VANS)

Torque Camshaft		Degrees .050" dur Int. Exh.	Degrees ADV. Dur Int. Exh.	Inches Valve lift Int. Exh.	Degrees Lobe cntr. Int. Exh.	Degrees Separation
HYD. IMPROVES LOW-MID PERF. CHECK FOR COIL BIND. CAM LIFT .280 INT .295 EXH CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1000-4500.	MTF-5	204 214	280 290	.449 .473	107 117	112
Camshafts Using Hydraulic Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
		Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
USE 302 FIRING ORDER - 15426378. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1000-4500.	24108	190 202	258 271	0.412 0.437	106 114	110
CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2200-5400.	24211	224 234	300 306	.497 .520	107 117	112
Continued on Next Page						

Part Title	Part No.						
351W ENG - 1969-85 - 8 Cyl	4.000 Bore 351	WINDSOR	(VIN H,M,G)(TRUCK A	PPLICATI	ONS	
INCLUDES VANS)							
Camshafts Using Hydraulic Fla	at	Degrees	Degrees	Inches	Degrees	Degrees	
Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separatio	
		Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.		
CLASS II. NOT CALIFORNIA	24225	219 219	308 308	.467 .467	107 119	113	
COMPLIANT. NOT COMPUTER							
COMPATIBLE. POWER RANGE	E						
1700-5200.							
USE 302 FIRING ORDER	24305	227 234	298 302	.520 .520	107 117	112	
15426378. CLASS III. NOT	_						
CALIFORNIA COMPLIANT. NO							
COMPUTER COMPATIBLE.							
POWER RANGE 2200-5400.							
Camshafts Using Hydraulic Retro-fit Roller Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches	Degrees	Degrees	
		Int. Exh.	Int. Exh.	Valve lift Int. Exh.	Lobe cntr. Int. Exh.	Separatio	
FOR USE W/RETRO-FIT ROLL	ER 24110	210 211	298 282	.444 .444	116 115	115	
LIFTER [F1900RF16]; CAM LIF		210 211	290 202	.444 .444	110 115	115	
.278 INT278 EXH CLASS I. NO							
CALIFORNIA COMPLIANT. NO							
COMPUTER COMPATIBLE.							
POWER RANGE 1200-4600							
FOR USE W/RETRO-FIT ROLL	ER 24214	219 219	285 285	.498 .498	110 110	110	
LIFTER [F1900RF16]; CAM LIF	г						
.311 INT311 EXH CLASS II.							
NOT CALIFORNIA COMPLIANT							
NOT COMPUTER COMPATIBLE	Ξ.						
POWER RANGE 1700-5300	N 10010						
Mell Lube	M-10012			ND BREAK- ACES TO PF			
				G ENGINE S			
		CONTAINE				02	
Hydraulic Flat Tappet Lifters	299004		TORY SETTI	NG			
	299014			T ZERO LA	SH: MUST E	BE USED N	
			BLE VALVE		,	-	
Hydraulic Retro-fit Roller Lifte	rs F1900RF16			DR USE W/ F	RETRO-FIT	ROLLER	
		CAMSHAF	Т				
Valve Locks	476104	HARDENE					
Valve Spring with Hydraulic	466174			MTF-5] CAM	S- MACHINI	NG MAY E	
Lifters	475054	REQUIRE		MUTH 1 1 1 2 2 2 2	741 000010	0	
Valve Spring Retainers	475054			WITH [4661 CAST IRON			
Chrome Moly Push Rods	500394			VAST IRON			
	500664			MPED STE			
	00004			SPRING PF			
Guide Plates	MGP1084			JST BE USE			
			ARM STUDS				
	MGP1094						
3pc Set	40206			HAIN, CAST	IRON CAM		
Continued on Next Page							

Line					DUCTS &		oontinaca)		
No.	Part Title 351W ENG - 1969-85 - 8 Cyl 4	Part No.			Description				
10	•	4.000 Bore 351 V				PPLICATI	JNS		
	INCLUDES VANS) 3pc Set	40402		-	26] (3.356"L) 5] OR STOCI				
			NOT FOR	ROLLER CA	MS INCLUD	ES SEAMLE	SS SOLID		
			ROLLER CHAIN, CAST IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET. MUST USE						
			MF126 (3.356") THRUST PLATE WITH THIS SET. DC USE TWO PIECE FUEL PUMP ECCENTRIC WITH [44 SET. IF ENGINE HAS TWO PIECE ECCENTRIC DISC						
				DRD PT # C					
	Oil Pump	M-83HV			5% ADDL VO				
					HAFT DESIG	N - CHECK	FOR PAN		
		10832	AND CRANK CLEARANCE. STANDARD VOLUME. HEAVY DUTY SHAFT SUPP PERFORMANCE VALVE AND SHAFT DESIGN. REI						
					PLACED BY				
			INCLUDES I/S SHAFT. MAY REQUIRE MINC MODIFICATION.						
		10833			VY DUTY SH	AFT SUPP	ORT.		
			PERFORMANCE VALVE AND SHAFT DESIGN. RE VALVE CUP PLUG REPLACED BY SCREW IN PLU						
					/ IN PLUG. IOR OIL PAN				
			MODIFICATION. CHECK FOR PAN AND CRANK						
	Oil Dumm Drive Cheff	10000	CLEARAN	-	E INTERMED				
	Oil Pump Drive Shaft	12830							
			STRENGTH (150,000 PSI) CHROME MOLY STEEL. IMPROVED SHAFT RETAINER WHICH LOCKS ONTO						
						0			
11	351W ENG - 1969-91 - 8 Cyl 4.000 Bore 351 WINDSOR (CAR APPLICATIONS, INCLUDES MERCURY) (NOT PRODUCED 85-86)								
	Torque Camshaft		Degrees .050" dur	Degrees ADV. Dur		Degrees Lobe cntr.	Degrees Separation		
	HYD. IMPROVES LOW-MID	MTF-5	Int. Exh. 204 214	Int. Exh. 280 290	Int. Exh. .449 .473	Int. Exh. 107 117	112		
	PERF. CHECK FOR COIL BIND. CAM LIFT .280 INT .295 EXH CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1000-4500.	MTT -5		200 200		107 117	112		
	Camshafts Using Hydraulic Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation		
		04100	Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	110		
	USE 302 FIRING ORDER - 15426378. CLASS I. NOT CALIFORNIA COMPLIANT. NOT	24108	190 202	258 271	0.412 0.437	106 114	110		
	COMPUTER COMPATIBLE. POWER RANGE 1000-4500.								
	CLASS II. NOT CALIFORNIA	24211	224 234	300 306	.497 .520	107 117	112		
	COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2200-5400.								
	Continued on Next Page								

Part Title	Part No.			Description				
351W ENG - 1969-91 - 8 Cyl 4	4.000 Bore 351	WINDSOR		ICATIONS	, INCLUDE	S		
MERCURY) (NOT PRODUCED			•		,			
Camshafts Using Hydraulic Flat		Deserves	Desire	la sha sa	Designed	Desire		
Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation		
		Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Ocparatio		
CLASS II. NOT CALIFORNIA	24225	219 219	308 308	.467 .467	107 119	113		
COMPLIANT. NOT COMPUTER	24223	213 213	300 300	.407 .407	107 113	110		
COMPATIBLE. POWER RANGE								
1700-5200.								
USE 302 FIRING ORDER	24305	227 234	298 302	.520 .520	107 117	112		
15426378. CLASS III. NOT	24303	227 204	230 302	.520 .520	107 117	112		
CALIFORNIA COMPLIANT. NOT								
COMPUTER COMPATIBLE.								
POWER RANGE 2200-5400.								
Mell Lube	M-10012		SSEMBLY A					
	W-10012	-	REVENT SC					
		AND GALLING DURING ENGINE START UP. 40Z CONTAINER.						
Hydraulic Flat Tappet Lifters	299004							
nyuraulic Flat Tappet Litters	299004	USE FACTORY SETTING ANTI-PUMP UP; SET AT ZERO LASH; MUST BE US ADJUSTABLE VALVE TRAIN RETRO-FIT LIFTER FOR USE W/ RETRO-FIT ROLI						
	299014							
Hydraulic Retro-fit Roller Lifters	F1900RF16							
Hydraulic netro-lit noller Litters	FISUURFIU	CAMSHAFT HARDENED USE WITH [24225] & [MTF-5] CAMS- MACHINING MAY REQUIRED						
Valve Locks	476104							
Valve Spring with Hydraulic	466174							
Lifters	400174							
Valve Spring Retainers	475054		- MOLY- USE	WITH [4661]	741 SPRING	S		
Chrome Moly Push Rods	500394		USE WITH	-				
			MAX. SPRI					
	500664		USE W/STA					
		HEAT TRE	ATED MAX.	SPRING PF	ESSURE 35	50 LBS.		
Guide Plates	MGP1084		" THICK- ML					
		ROCKER	ARM STUDS	;				
	MGP1094	FLAT-3/8"	THICK- MUS	ST BE USED	WITH SCRI	EW-IN		
		ROCKER	ARM STUDS	;				
Gear Drive Set	48420	1982-1989	RECOMME	NDED FOR	STREET AN	D STRIP		
		CLAIMER,	RACING EN	IGINES UP 1	O 6,500 RP	M. 1982-		
		POLICE W	ITH ROLLE	R TYPE CHA	IN. 1972 US	E		
		STANDAR	D 1/4" THRU	JST PLATE.	SPACER CA	ST INTC		
		HUB, OLD	ER ENGINE	S DISCARD	SEPERATE			
		CAMSHAF	T SPACER.	CAR APPLIC	CATIONS O	NLY.		
			6 8620 CARE					
			FON, LOCK			,		
			D WITH 5 OF					
			INSERTS.			• •		
3pc Set	40206		B ROLLER C	HAIN, CAST	IRON CAM			
-F- 24.			T & MULTIP					
				_ · · _ · ···/ ·				

		PRMANCE - FORD PRODUCTS & TRUCKS (Continued
ne o. Part Title	Part No.	Description
1 351W ENG - 1969-91 - 8 Cyl	4.000 Bore 351	WINDSOR (CAR APPLICATIONS, INCLUDES
MERCURY) (NOT PRODUCED	D 85-86)	•
3pc Set	40402	YOU MUST USE [MF126] (3.356"L) THRUST PLATE RATHER THAN [MF125] OR STOCK (3.882"L) PLATE.
		NOT FOR ROLLER CAMS INCLUDES SEAMLESS SOLID ROLLER CHAIN, CAST IRON CAM SPROCKET &
		MULTIPLE KEYWAY CRANK SPROCKET. MUST USE MF126 (3.356") THRUST PLATE WITH THIS SET. DO NOT
		USE TWO PIECE FUEL PUMP ECCENTRIC WITH [40402] SET. IF ENGINE HAS TWO PIECE ECCENTRIC DISCARD
		& USE ONE PIECE ECCENTRIC FORD PT # C3AZ6287B.
	48520T-9	1969-1972 EARLY 1972 USE STANDARD 1/4" THRUST PLATE. SPACER CAST INTO SPROCKET HUB, OLDER
		ENGINES DISCARD SEPERATE CAMSHAFT SPACER. RECOMMENDED FOR STREET AND STRIP, CIRCLE
		TRACK, HOT ROD, CLAIMER ENGINES. CAR APPLICATIONS ONLY INCLUDES SEAMLESS DOUBLE
		ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/
		-4° CAM ADJUSTMENT. PRESS FIT ROLLER THRUST
	48520W-9	BEARINGS. 1969-1972 EARLY 1972 USE STANDARD 1/4" THRUST
		PLATE. SPACER CAST INTO SPROCKET HUB, OLDER
		ENGINES DISCARD SEPERATE CAMSHAFT SPACER. RECOMMENDED FOR STREET AND STRIP, CIRCLE
		TRACK, HOT ROD, CLAIMER ENGINES. CAR APPLICATIONS ONLY INCLUDES SEAMLESS DOUBLE
		ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM
		SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/ -4° CAM ADJUSTMENT. BRONZE WASHER
	48551T-9	1987-1989 RECOMMENDED FOR STREET AND STRIP,
		CIRCLE TRACK, HOT ROD, CLAIMER ENGINES. 5.8-G W ROLLER TYPE CHAIN. INCLUDES SEAMLESS DOUBLE
		ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/
		-4° CAM ADJUSTMENT. PRESS FIT ROLLER THRUST
011 D		BEARINGS.
Oil Pump	M-83HV	HI VOLUME PUMP (25% ADDL VOLUME OF OIL) STOCK RELIEF VALVE AND SHAFT DESIGN - CHECK FOR PAN AND CRANK CLEARANCE.
	10832	STANDARD VOLUME. HEAVY DUTY SHAFT SUPPORT.
		PERFORMANCE VALVE AND SHAFT DESIGN. RELIEF VALVE CUP PLUG REPLACED BY SCREW IN PLUG.
		INCLUDES I/S SHAFT. MAY REQUIRE MINOR OIL PAN MODIFICATION.
	10833	HI VOLUME 25%. HEAVY DUTY SHAFT SUPPORT.
		PERFORMANCE VALVE AND SHAFT DESIGN. RELIEF VALVE CUP PLUG REPLACED BY SCREW IN PLUG.
		INCLUDES I/S SHAFT. MAY REQUIRE MINOR OIL PAN
		MODIFICATION. CHECK FOR PAN AND CRANK CLEARANCE.
Continued on Next Page		

Line	Dout Title	Dort No.	-		Description			
No.	Part Title 351W ENG - 1969-91 - 8 Cyl 4	Part No. 1 000 Bore 351 \			Description		\$	
	MERCURY) (NOT PRODUCED					,		
	Oil Pump Drive Shaft	12830	PERFORMANCE TYPE INTERMEDIATE SHAFT. HIGH STRENGTH (150,000 PSI) CHROME MOLY STEEL. IMPROVED SHAFT RETAINER WHICH LOCKS ONTO THE OIL PUMP DRIVE SHAFT					
12	351C ENG - 1970-74 - 8 Cyl 4	.000 Bore 351 C	LEVELAN	D (INCLUD	ES MERCU	JRY)		
	Torque Camshaft		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation	
	HYD. IMPROVES LOW-MID PERF. CHECK FOR COIL BIND. USE [VS-280] SPRING W/ INSTALLED HGT. OF 1.82. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1200-4700.	MTF-2	Int. Exh. 204 214	Int. Exh. 282 292	Int. Exh. .485 .511	Int. Exh. 106 118	112	
	Camshafts Using Mechanical Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation	
	CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3500-6700.	24401	Int. Exh. 244 254	Int. Exh. 292 301	Int. Exh. .569 .589	Int. Exh. 104 108	106	
	Camshafts Using Hydraulic Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation	
	CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1300-4800.	24111	Int. Exh. 208 208	Int. Exh. 284 284	Int. Exh. .485 .485	Int. Exh. 107 115	111	
	CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5200.	24204	214 224	292 302	.511 .537	106 118	112	
	CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1900-5400.	24224	219 219	310 310	.505 .505	108 120	114	
	Camshafts Using Hydraulic Retro-fit Roller Lifters		Degrees .050" dur Int. Exh.	Degrees ADV. Dur Int. Exh.	Inches Valve lift Int. Exh.	Degrees Lobe cntr. Int. Exh.	Degrees Separation	
	FOR USE WITH RETRO-FIT ROLLER LIFTER [F1900RF16] CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1200-4600 Continued on Next Page	24110	210 211	298 282	.444 .444	116 115	115	
	Continuea on Next Page							

Line No.	Part Title	Part No.	Description						
12	351C ENG - 1970-74 - 8 Cyl 4								
14	Camshafts Using Hydraulic					-	_		
	Retro-fit Roller Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation		
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.			
	FOR USE WITH RETRO-FIT ROLLER LIFTER [F1900RF16] CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER BANGE	24214	219 219	285 285	.498 .498	110 110	110		
	1700-5300								
	Mell Lube	M-10012	ENGINE A	SSEMBLY A	ND BREAK-	IN LUBRICA	NT.		
			PLATES W AND GALL CONTAINE	/EAR SURF/ .ING DURING ER.	ACES TO PF G ENGINE S	REVENT SCO TART UP. 4	oring Oz		
	Torque Cam Lifter Kit	CL-MTF-2	CLASSIH	YD. NOT CO	MPUTER C	OMPATIBLE			
				S LOW-MID					
				IIA COMPLIA		-	-		
				IB-900] LIFT					
			FOR COIL BIND. USE [VS-280] SPRING W/INS						
	I hadroadia Elek Tarrak Littera	000004	HGT. OF 1						
	Hydraulic Flat Tappet Lifters	299004		ORY SETTI					
		299014	ANTI-PUMP UP; SET AT ZERO LASH; MUST BE USED ADJUSTABLE VALVE TRAIN						
	Hydraulic Retro-fit Roller Lifters	F1900RF16		T LIFTER FO					
	Hydraulic Hero-III Holler Litters	FISUUNFIU					IOLLLII		
	Valve Locks	476104	CAMSHAFT HARDENED						
	Valve Spring with Mechanical	466154			SE WITH [24	4011 CAM. N	ACHINING		
	Lifters	100101	1970-1974 OUTER - USE WITH [24401] CAM. MACHIN MAY BE REQUIRED 1970-1974 INNER - USE WITH [24401] CAM. MACHINI						
		466164							
			MAY BE R		•	-			
	Valve Spring with Hydraulic	VS-280	USE W/ [M	TF-2] CAMS	HAFT; INST	ALLED HGT	. OF 1.82		
	Lifters			NG MAY BE					
		466224		[24204], [M	rf-2], [24224] CAMS. MA	CHINING		
			MAY BE R						
	Valve Spring Retainers	475114		MOLY - USE		-			
	Chrome Moly Push Rods	500424	350 LBS.	ATED EXC.					
		500434		HEAT TREA	TED - BOS	S MAX. SPR	ING		
				E 350 LBS.					
	Guide Plates	MGP1104		8" THICK- M ARM STUDS		ED WITH SC	REW-IN		
		MGP1114	RAISED-5/	16" THICK-	MUST BE US	SED WITH S	CREW-IN		
			ROCKER ARM STUDS						
	3pc Set	40405	NOT FOR USE WITH ROLLER CAMS INCLUDES SEAMLESS SOLID ROLLER CHAIN, CAST IRON CAM						
			SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET HI VOL PUMP (25% ADDL VOL OF OIL). CHECK FOR						
	Oil Pump	M-84AHV	PAN AND	CRANK CLE	ARANCE.	-			
	Oil Pump Drive Shaft	12844	PERFORMANCE TYPE INTERMEDIATE SHAFT. H						
			STRENGTH (150,000 PSI) CHROME MOLY S						
				O SHAFT RE		IICH LOCKS	ONTO		
			THE OIL P	UMP DRIVE	SHAFT				

Line			,				
No.	Part Title 351M ENG - 1975-81 - 8 Cyl 4	Part No.					
15	Torque Camshaft		T T				, í
	l'orque eumenant		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	ooparation
	HYD. IMPROVES LOW-MID	MTF-2	204 214	282 292	.485 .511	106 118	112
	PERF. CHECK FOR COIL BIND.						
	USE [VS-280] SPRING W/						
	INSTALLED HGT. OF 1.82.						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1200-4700. Camshafts Using Mechanical		_				
	Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Separation
	CLASS IV. NOT CALIFORNIA	24401	244 254	292 301	.569 .589	104 108	106
	COMPLIANT. NOT COMPUTER	-	_				
	COMPATIBLE. POWER RANGE						
	3500-6700.						
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	CLASS I. NOT CALIFORNIA	24111	208 208	284 284	.485 .485	107 115	111
	COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE						
	1300-4800.						
	CLASS II. NOT CALIFORNIA	24204	214 224	292 302	.511 .537	106 118	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1700-5200.						
	CLASS II. NOT CALIFORNIA	24224	219 219	310 310	.505 .505	108 120	114
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE 1900-5400.						
	Camshafts Using Hydraulic						
	Retro-fit Roller Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
	-		Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	FOR USE WITH RETRO-FIT	24110	210 211	298 282	.444 .444	116 115	115
	ROLLER LIFTER [F1900RF16]						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1200-4600 FOR USE WITH RETRO-FIT	24214	219 219	285 285	.498 .498	110 110	110
	ROLLER LIFTER [F1900RF16]	24214	213 213	200 200	.430 .490		
	CLASS II. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1700-5300						
	Continued on Next Page						

Line No.	Part Title	Part No.	Description
13			ADDIFIED (INCLUDES MERCURY AND LINCOLN)
	Mell Lube	M-10012	ENGINE ASSEMBLY AND BREAK-IN LUBRICANT.
			PLATES WEAR SURFACES TO PREVENT SCORING
			AND GALLING DURING ENGINE START UP. 40Z
			CONTAINER.
	Torque Cam Lifter Kit	CL-MTF-2	CLASS I NOT COMPUTER COMPATIBLE. IMPROVES
			LOW-MID PERF. USE [VS-280]. NOT CALIFORNIA
			COMPLIANT. KIT INCLUDES 1-[MTF-2] CAM, 16-[JB-900]
			LIFTERS & 40Z MELL LUBE. CHECK FOR COIL BIND.
			USE [VS-280] SPRING W/INSTALLED HGT. OF 1.82
	Hydraulic Flat Tappet Lifters	299004	USE FACTORY SETTING
		299014	ANTI-PUMP UP; SET AT ZERO LASH; MUST BE USED W/
	Hydraulic Retro-fit Roller Lifters	F1900RF16	RETRO-FIT LIFTER FOR USE W/ RETRO-FIT ROLLER
	Valve Locks	476104	CAMSHAFT HARDENED
	Valve Spring with Mechanical	466154	OUTER - USE WITH [24401] CAM. MACHINING MAY BE
	Lifters	400154	REQUIRED
	LIIICIS	466164	INNER - USE WITH [24401] CAM. MACHINING MAY BE
		400104	REQUIRED
	Valve Spring with Hydraulic	VS-280	USE W/ [MTF-2] CAMSHAFT; INSTALLED HGT. OF 1.82
	Lifters		(MACHINING MAY BE REQUIRED)
		466224	USE WITH [24204], [MTF-2], [24224] CAMS. MACHINING
			MAY BE REQUIRED
	Valve Spring Retainers	475054	1979-1979 INTAKE AND EXHAUST. CHROME MOLY. USE
			WITH [466154], [466164] SPRINGS
		475054	1978-1978 EXHAUST ONLY. CHROME MOLY. USE WITH
			[466154], [466164] SPRINGS
		475064	1978-1978 INTAKE ONLY. CHROME MOLY. USE WITH
			[466154], [466164] SPRINGS
		475064	1975-1977 INTAKE AND EXHAUST. CHROME MOLY. USE
		NOD4404	WITH [466154], [466164] SPRINGS
	Guide Plates	MGP1104	RAISED-3/8" THICK- MUST BE USED WITH SCREW-IN ROCKER ARM STUDS
		MGP1114	RAISED-5/16" THICK- MUST BE USED WITH SCREW-IN
		MGP1114	ROCKER ARM STUDS
	3pc Set	40405	NOT FOR USE WITH ROLLER CAMS INCLUDES
		10100	SEAMLESS SOLID ROLLER CHAIN, CAST IRON CAM
			SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET
	Oil Pump	M-84AHV	HI VOL PUMP (25% ADDL VOL OF OIL). CHECK FOR
	·		PAN AND CRANK CLEARANCE.
	Oil Pump Drive Shaft	12844	PERFORMANCE TYPE INTERMEDIATE SHAFT. HIGH
			STRENGTH (150,000 PSI) CHROME MOLY STEEL.
			IMPROVED SHAFT RETAINER WHICH LOCKS ONTO
			THE OIL PUMP DRIVE SHAFT

Line No.	Part Title	Part No.	Description						
14	352 ENG - 1958-67 - 8 Cyl 4.0				Description				
	Torque Camshaft		_	_					
	lorque damonant		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation		
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.			
	1963-1967 HYD. IMPROVES	MTF-4	204 214	282 292	.485 .511	104 120	112		
	LOW-MID. PERF. CHECK FOR								
	COIL BIND. CLASS I. NOT								
	CALIFORNIA COMPLIANT. NOT								
	COMPUTER COMPATIBLE.								
	POWER RANGE 1200-4700.								
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees		
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation		
		04005	Int. Exh.	Int. Exh. 292 302	Int. Exh.	Int. Exh.	110		
	1963-1967 CLASS II. NOT CALIFORNIA COMPLIANT. NOT	24205	214 224	292 302	.511 .537	104 120	112		
	COMPUTER COMPATIBLE.								
	POWER RANGE 1700-5200.								
ł	1963-1967 CLASS II. NOT	24218	224 224	315 315	.506 .506	109 115	112		
	CALIFORNIA COMPLIANT. NOT								
	COMPUTER COMPATIBLE.								
	POWER RANGE 2200-5700.								
	1963-1967 CLASS III. NOT	24302	230 230	304 304	.554 .554	107 111	109		
	CALIFORNIA COMPLIANT. NOT								
	COMPUTER COMPATIBLE.								
	POWER RANGE 2500-6000.	M-10012							
	Mell Lube	M-10012	ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING						
					G ENGINE S				
			CONTAINE				02		
ľ	Torque Cam Lifter Kit	CL-MTF-4	1963-1967	CLASS I HY	D. NOT COI	MPUTER			
					VES LOW-M				
					ANT. KIT INC	-	-		
			· •	-	TERS & 4OZ				
					[VS-280] SP	RING W/INS	TALLED		
	Mechanical Flat Tappet Lifters	298724	HGT. OF 1	.82					
	Hydraulic Flat Tappet Lifters	290834							
Ì	Valve Locks	473004	HARDENE	D 2 GROOV	ΈS				
	Valve Spring with Hydraulic	466224			302], [MTF-4	1] CAMS. MA	ACHINING		
	Lifters		MAY BE R						
	Valve Spring Retainers	475084					4] SPRINGS		
	Chrome Moly Push Rods	500064		E 350 LBS.	IANICAL LIF	TERS MAX.	SPRING		
		500074				SE WITH			
		500074	WITH DEEP SHELL TYPE - FOR USE WITH MECHANICAL LIFTERS MAX. SPRING PRESSURE 350						
			LBS.						
ł	3pc Set	40204	-	TRUCK API	PLICATIONS		UDES		
	-				IRON CAM				
					RANK SPRO				
Ī		40204			CATIONS O				
					IRON CAM		Γ&		
			MULTIPLE	KEYWAY C	RANK SPRO	DCKET			
	Continued on Next Page								

Line No.	Part Title	Part No.			Description				
14	352 ENG - 1958-67 - 8 Cyl 4.0	00 Bore							
	3pc Set	40410	SEAMLES	S SOLID RO	CATIONS OI LLER CHAIN LE KEYWAY	I, CAST IRC	N CAM		
		40410	1965-1967 SEAMLES	TRUCK APP S SOLID RO	PLICATIONS	ONLY INCL I, CAST IRC	UDES N CAM		
	Oil Pump	M-57HV	SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET HI VOL PUMP (25% ADDL VOL OF OIL). CHECK FOR PAN AND CRANK CLEARANCE.						
	Oil Pump Drive Shaft	12600	PERFORMANCE TYPE INTERMEDIATE SHAFT. HIGH STRENGTH (150,000 PSI) CHROME MOLY STEEL. IMPROVED SHAFT RETAINER WHICH LOCKS ONTO THE OIL PUMP DRIVE SHAFT						
15	360 ENG - 1968-76 - 8 Cyl 4.0	50 Bore BIG BL	ОСК						
	Torque Camshaft		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation		
	HYD. IMPROVES LOW-MID. PERF. CHECK FOR COIL BIND. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1200-4700.	MTF-4	Int. Exh. 204 214	Int. Exh. 282 292	Int. Exh. .485 .511	Int. Exh. 104 120	112		
	Camshafts Using Hydraulic Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation		
	CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5200.	24205	Int. Exh. 214 224	Int. Exh. 292 302	Int. Exh. .511 .537	Int. Exh. 104 120	112		
	CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2200-5700.	24218	224 224	315 315	.506 .506	109 115	112		
	CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2500-6000.	24302	230 230	304 304	.554 .554	107 111	109		
	Mell Lube	M-10012	PLATES W	/EAR SURF/ ING DURING	ND BREAK- ACES TO PF G ENGINE S	EVENT SCO	ORING		
	Torque Cam Lifter Kit	CL-MTF-4	CLASS I HYD. NOT COMPUTER COMPATIBLE. IMPROVES LOW-MID PERF. NOT CALIFORNIA COMPLIANT. KIT INCLUDES 1-[MTF-4] CAM, 16-[JB-2083] LIFTERS & 40Z MELL LUBE. CHECK FOR COIL BIND. USE [VS-280] SPRING W/INSTALLED HGT. OF 1.82						
	Mechanical Flat Tappet Lifters	298724							
	Hydraulic Flat Tappet Lifters	290834							
	Valve Locks	473004		D 2 GROOV					
	Valve Spring with Hydraulic Lifters	466224	USE WITH MAY BE R		302], [MTF-4] CAMS. MA	CHINING		
	Valve Spring Retainers	475084	CHROME	MOLY - USE	WITH [4662	24] SPRING	S		
	Continued on Next Page								

Part Title	Part No.			Description					
360 ENG - 1968-76 - 8 Cyl 4.0	50 Bore BIG BL	ОСК							
Chrome Moly Push Rods	500064	FOR USE	WITH MECH E 350 LBS.	IANICAL LIF	TERS MAX.	SPRING			
	500074	WITH DEE	P SHELL TY	PE - FOR U	SE WITH				
		MECHANIO LBS.	CAL LIFTER	S MAX. SPR	ING PRESS	URE 350			
3pc Set	40204		BROLLER C	HAIN, CAST	IRON CAM				
•				LE KEYWAY					
	40410	INCLUDES SEAMLESS SOLID ROLLER CHAIN, CAST							
				T & MULTIPL	E KEYWAY	CRANK			
Oil Pump	M-57HV	SPROCKET HI VOL PUMP (25% ADDL VOL OF OIL). CHECK FOR							
	WI-5711V		CRANK CLE		OIL). OI ILC				
Oil Pump Drive Shaft	12600	PERFORM	IANCE TYPE		IATE SHAF	T. HIGH			
			• •	PSI) CHROM					
		IMPROVED SHAFT RETAINER WHICH LOCKS ONTO THE OIL PUMP DRIVE SHAFT							
390 ENG - 1961-76 - 8 Cyl 4.0				SHAFT					
Torque Camshaft	SU BORE (INCLU		,		_	_			
		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separatio			
		Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.				
HYD. IMPROVES LOW-MID.	MTF-4	204 214	282 292	.485 .511	104 120	112			
PERF. CHECK FOR COIL BIND.									
CLASS I. NOT CALIFORNIA									
COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE									
1200-4700.									
Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees			
Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separatio			
		Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.				
CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER	24205	214 224	292 302	.511 .537	104 120	112			
COMPATIBLE. POWER RANGE									
1700-5200.									
CLASS II. NOT CALIFORNIA	24218	224 224	315 315	.506 .506	109 115	112			
COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE									
2200-5700.									
CLASS III. NOT CALIFORNIA	24302	230 230	304 304	.554 .554	107 111	109			
COMPLIANT. NOT COMPUTER									
COMPATIBLE. POWER RANGE									
2500-6000. Mell Lube	M-10012			ND BREAK-		NT			
		-		ACES TO PF					
				G ENGINE S					
		CONTAINE							
	CL-MTF-4			OMPUTER C					
Torque Cam Lifter Kit		IMPROVES LOW-MID PERF. C NOT CALIFORNIA							
Torque Cam Lifter Kit		-		COMPLIANT. KIT INCLUDES 1-[MTF-4] CAM, 16-[JB-20 LIFTERS & 40Z MELL LUBE. CHECK FOR COIL BIND.					
Torque Cam Lifter Kit		COMPLIAN	NT. KIT INCL	-	-	-			
Torque Cam Lifter Kit		COMPLIAN	NT. KIT INCL 40Z MELL	LUBE. CHE	CK FOR CO	IL BIND.			
Torque Cam Lifter Kit Mechanical Flat Tappet Lifters	298724	COMPLIAN	NT. KIT INCL 40Z MELL	-	CK FOR CO	IL BIND.			
	298724 290834 473004	COMPLIAN LIFTERS 8 USE [VS-2	NT. KIT INCL 40Z MELL	LUBE. CHEC W/INSTALL	CK FOR CO	IL BIND.			

Line		PERFUI					continued)			
No.	Part Title	Part No.			Description					
16	390 ENG - 1961-76 - 8 Cyl 4.0	50 Bore (INCLU	IDES MER	CURY)						
	Valve Spring with Hydraulic	466224	USE WITH	[24205], [24	302], [MTF-4] CAMS. MA	CHINING			
	Lifters		MAY BE R							
	Valve Spring Retainers	475084			WITH [4662					
	Chrome Moly Push Rods	500064			IANICAL LIF	TERS MAX.	SPRING			
			PRESSURE 350 LBS.							
		500074			PE - FOR U					
				CAL LIFTER	S MAX. SPR	ING PRESS	URE 350			
			LBS.							
	3pc Set	40204			HAIN, CAST		DOOKET			
		40.440	SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET INCLUDES SEAMLESS SOLID ROLLER CHAIN, CAST							
		40410					,			
					T & MULTIPI		CRAINK			
	Oil Duran	M-57HV	SPROCKE		DDL VOL OF					
	Oil Pump			CRANK CLE		OIL). CHEC	r run			
	Oil Pump Drive Shaft	12600			E INTERMED		тнісн			
	On Fullip Drive Shart	12000			PSI) CHROM					
				· · ·						
			_							
17	400 ENG - 1071-92 - 9 Cyl - 4 (00 Boro (INCLU								
	400 ENG - 1971-82 - 8 Cyl 4.000 Bore (INCLUDES MERCURY AND LINCOLN) Torque Camshaft Degrees Degrees Degrees Degrees									
	Torque Camsnan		Degrees	Degrees	Inches	Degrees	Degrees			
			.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation			
		MTEO	Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	110			
	HYD. IMPROVES LOW-MID	MTF-2	204 214	282 292	.485 .511	106 118	112			
	PERF. CHECK FOR COIL BIND.									
	USE [VS-280] SPRING W/ INSTALLED HGT. OF 1.82.									
	CLASS I. NOT CALIFORNIA									
	COMPLIANT. NOT COMPUTER									
	COMPATIBLE. POWER RANGE									
	1200-4700.									
	Camshafts Using Mechanical									
	Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation			
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Separation			
	CLASS IV. NOT CALIFORNIA	24401	244 254	292 301	.569 .589	104 108	106			
	COMPLIANT. NOT COMPUTER	24401	244 254	292 301	.509 .509	104 108	100			
	COMPATIBLE. POWER RANGE									
	3500-6700.									
	Camshafts Using Hydraulic Flat		Deers	Dearra		Dearra	Deguard			
	Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation			
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Joparation			
	CLASS I. NOT CALIFORNIA	24111	208 208	284 284	.485 .485	107 115	111			
	COMPLIANT. NOT COMPUTER		200 200			107 110				
	COMPATIBLE. POWER RANGE									
	1300-4800.									
	CLASS II. NOT CALIFORNIA	24204	214 224	292 302	.511 .537	106 118	112			
	COMPLIANT. NOT COMPUTER			202 002		100 110	112			
	COMPATIBLE. POWER RANGE									
	1700-5200.									
	Continued on Next Page									

	Part Title	Part No.	Description							
	400 ENG - 1971-82 - 8 Cyl 4.000 Bore (INCLUDES MERCURY AND LINCOLN)									
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees			
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separatio			
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.				
	CLASS II. NOT CALIFORNIA	24224	219 219	310 310	.505 .505	108 120	114			
	COMPLIANT. NOT COMPUTER									
	COMPATIBLE. POWER RANGE									
	1900-5400.									
	Mell Lube	M-10012	ENGINE ASSEMBLY AND BREAK-IN LUBRICANT.							
			PLATES WEAR SURFACES TO PREVENT SCO							
			AND GALLING DURING ENGINE START UP.							
			CONTAINER.							
	Torque Cam Lifter Kit	CL-MTF-2		YD. NOT CO						
				S LOW-MID						
				IIA COMPLI		-	-			
				JB-900] LIFT						
			FOR COIL BIND. USE [VS-280] SPRING W/INSTALLED							
			HGT. OF 1.82							
	Hydraulic Flat Tappet Lifters	299004		USE FACTORY SETTING ANTI-PUMP UP; SET AT ZERO LASH; MUST BE USED						
		299014				SH; MUST E	E USED \			
				BLE VALVE						
	Hydraulic Retro-fit Roller Lifters	F1900RF16		T LIFTER FO	DR USE W/ F	RETRO-FIT I	ROLLER			
			CAMSHAF							
	Valve Locks	472004	1978-1979							
	<u></u>	476704	1978-1979		44041 0 444					
	Valve Spring with Mechanical	466154		JSE WITH [2	4401] CAM.	MACHINING	i MAY BE			
	Lifters	400104	REQUIRED INNER - USE WITH [24401] CAM. MACHINING MAY B							
		466164	REQUIRED							
-	Valve Spring with Hydraulic	VS-280	USE W/ [MTF-2] CAMSHAFT; INSTALLED HGT. OF 1.82							
	Lifters	V3-20U	(MACHINING MAY BE REQUIRED)							
	Lillers	466224	USE WITH [24204], [MTF-2], [24224] CAMS. MACHINI							
		400224	MAY BE REQUIRED							
	Valve Spring Retainers	475054	1978-1978 EXHAUST ONLY. CHROME MOLY. USE							
	valve opring netalliers	475054	[466154], [466164] SPRINGS							
		475054	1979-1979 INTAKE AND EXHAUST. CHROME MOLY. U							
		110001	WITH [466154], [466164] SPRINGS							
		475064	1978-1978 INTAKE ONLY. CHROME MOLY. USE WITI							
			[466154], [466164] SPRINGS							
		475064	1975-1977 INTAKE AND EXHAUST. CHROME MOLY							
			WITH [466154], [466164] SPRINGS							
-	3pc Set	40405	NOT FOR USE WITH ROLLER CAMS INCLUDES							
			SEAMLESS SOLID ROLLER CHAIN, CAST IRON CA							
			SPROCKET & MULTIPLE KEYWAY CRANK SPROCKE							
	Oil Pump	M-84AHV	HI VOL PUMP (25% ADDL VOL OF OIL). CHECK FO							
	·		PAN AND CRANK CLEARANCE.							
	Oil Pump Drive Shaft	12844	PERFORMANCE TYPE INTERMEDIATE SHAFT							
	•		STRENGTH (150,000 PSI) CHROME MOLY S							
				D SHAFT RE	,					

ne D.	Part Title	Part No.	Description							
8	406 ENG - 1962-63 - 8 Cyl 4.1	30 Bore			•					
	Torque Camshaft		Degrees	Degrees	Inches	Degrees	Degrees			
	·		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation			
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.				
	HYD. IMPROVES LOW-MID.	MTF-4	204 214	282 292	.485 .511	104 120	112			
	PERF. CHECK FOR COIL BIND.									
	CLASS I. NOT CALIFORNIA									
	COMPLIANT. NOT COMPUTER									
	COMPATIBLE. POWER RANGE									
	1200-4700.									
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees			
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation			
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.				
	CLASS II. NOT CALIFORNIA	24205	214 224	292 302	.511 .537	104 120	112			
	COMPLIANT. NOT COMPUTER									
	COMPATIBLE. POWER RANGE									
Ļ	1700-5200.									
	CLASS II. NOT CALIFORNIA	24218	224 224	315 315	.506 .506	109 115	112			
	COMPLIANT. NOT COMPUTER									
	COMPATIBLE. POWER RANGE									
┝	2200-5700. CLASS III. NOT CALIFORNIA	24302	230 230	304 304	.554 .554	107 111	109			
	COMPLIANT. NOT CALIFORNIA	24302	230 230	304 304	.554 .554	107 111	109			
	COMPETIANT: NOT COMPOTER COMPATIBLE. POWER RANGE									
	2500-6000.									
ł	Mell Lube	M-10012	ENGINE A	ENGINE ASSEMBLY AND BREAK-IN LUBRICANT.						
			PLATES WEAR SURFACES TO PREVENT SCORIN AND GALLING DURING ENGINE START UP. 40Z							
			CONTAINE	ER.						
	Torque Cam Lifter Kit	CL-MTF-4	CLASSIH	YD. NOT CO	OMPUTER C	OMPATIBLE.				
			IMPROVES LOW-MID PERF. NOT CALIFOR							
					, 16-[JB-2083]					
				CK FOR COIL BIND.						
		000704	USE [VS-280] SPRING W/INSTALLED HGT. OF 1.82							
ŀ	Mechanical Flat Tappet Lifters	298724 290834								
ŀ	Hydraulic Flat Tappet Lifters Valve Locks	473004	HARDENED 2 GROOVES							
ł	Valve Spring with Hydraulic	466224	USE WITH [24205], [24302], [MTF-4] CAMS. MACHINING							
	Lifters		MAY BE REQUIRED							
ŀ	Valve Spring Retainers	475084	CHROME MOLY - USE WITH [466224] SPRINGS							
ŀ	Chrome Moly Push Rods	500064			-	IANICAL LIFTERS MAX.SPRING				
	-			E 350 LBS.						
ſ		500074	WITH DEEP SHELL TYPE - F			USE WITH				
				CAL LIFTER	S MAX. SPR	ING PRESS	URE 350			
			LBS.							
	3pc Set	40204	1963-1963 INCLUDES ROLLER CHAIN, CAST IRON C							
			SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET							
		40410			SEAMLESS					
					AM SPROCK	KET & MULT	IPLE			
╞		MCZUD								
ŀ	Oil Pump	M-57HP	HI PRESSURE OIL PUMP							
	Continued on Next Page									

Line			,							
No.										
18	406 ENG - 1962-63 - 8 Cyl 4.130 Bore									
	Oil Pump Drive Shaft	12600	PERFORMANCE TYPE INTERMEDIATE SHAFT. HIGH STRENGTH (150,000 PSI) CHROME MOLY STEEL. IMPROVED SHAFT RETAINER WHICH LOCKS ONTO THE OIL PUMP DRIVE SHAFT							
19	427 ENG - 1963-68 - 8 Cyl 4.233 Bore (INCLUDES MERCURY)									
	Taumus Oamakat									
			.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Degrees Separation			
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.				
	HYD. IMPROVES LOW-MID. PERF. CHECK FOR COIL BIND. CLASS I. NOT CALIFORNIA	MTF-4	204 214	282 292	.485 .511	104 120	112			
	COMPLIANT. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1200-4700.									
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees			
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation			
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.				
	CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5200.	24205	214 224	292 302	.511 .537	104 120	112			
	CLASS II. NOT CALIFORNIA	24218	224 224	315 315	.506 .506	109 115	112			
	COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2200-5700.									
	CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2500-6000.	24302	230 230	304 304	.554 .554	107 111	109			
	Mell Lube	M-10012	ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 40Z CONTAINER.							
	Torque Cam Lifter Kit	CL-MTF-4	CLASS I HYD. NOT COMPUTER COMPATIBLE.							
			IMPROVES LOW-MID PERF. NOT CALIFORNIA COMPLIANT. KIT INCLUDES 1-[MTF-4] CAM, 16-[JB-2083] LIFTERS & 40Z MELL LUBE. CHECK FOR COIL BIND. USE [VS-280] SPRING W/INSTALLED HGT. OF 1.82							
	Mechanical Flat Tappet Lifters	298724								
	Hydraulic Flat Tappet Lifters	290834								
	Valve Locks	473004								
	Valve Spring with Hydraulic Lifters	466224	USE WITH [24205], [24302], [MTF-4]							
	Valve Spring Retainers	475084	MAY BE REQUIRED CHROME MOLY - USE WITH [466224] SPRINGS							
	Chrome Moly Push Rods	500064	FOR USE WITH MECHANICAL LIFTERS MAX.SPRING PRESSURE 350 LBS.							
		500074	WITH DEEP SHELL TYPE - FOR USE WITH MECHANICAL LIFTERS MAX. SPRING PRESSURE 350 LBS.							
	3pc Set	40204	INCLUDES ROLLER CHAIN, CAST IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET							
	Continued on Next Page									

	Part Title	Part No.	Description						
	427 ENG - 1963-68 - 8 Cyl 4.233 Bore (INCLUDES MERCURY)								
	3pc Set 40410 INCLUDES SEAMLESS SOLID ROLLER CHAIN, CAST								
					T & MULTIPL				
			SPROCKET						
	Oil Pump	M-57HP	HI PRESS	URE OIL PU	MP				
	Oil Pump Drive Shaft	12600	PERFORM	IANCE TYPE	E INTERMED	IATE SHAF	T. HIGH		
	•		STRENGT	E MOLY ST	EEL.				
			IMPROVED SHAFT RETAINER WHICH LOCKS ONTO THE OIL PUMP DRIVE SHAFT						
	428 ENG - 1966-70 - 8 Cyl 4.130 Bore (INCLUDES MERCURY)								
	Torque Camshaft		Degrees	Degrees	Inches	Degrees	Degrees		
	-		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation		
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.			
	HYD. IMPROVES LOW-MID.	MTF-4	204 214	282 292	.485 .511	104 120	112		
	PERF. CHECK FOR COIL BIND.	· · · · ·							
	CLASS I. NOT CALIFORNIA								
	COMPLIANT. NOT COMPUTER								
	COMPATIBLE. POWER RANGE								
	1200-4700.								
	Camshafts Using Hydraulic Flat		Dearcas	Dearcas	Inches	Dearcas	Dearcas		
	Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation		
	- F F		Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	- Copulation		
	CLASS II. NOT CALIFORNIA	24205	214 224	292 302	.511 .537	104 120	112		
	COMPLIANT. NOT COMPUTER	24203	214 224	292 302	.511 .557	104 120	112		
	COMPATIBLE. POWER RANGE								
_		04010	004 004	015 015	506 506	100 115	112		
	CLASS II. NOT CALIFORNIA	24218	224 224	315 315	.506 .506	109 115	112		
	COMPLIANT. NOT COMPUTER								
	COMPATIBLE. POWER RANGE								
_	2200-5700.						400		
	CLASS III. NOT CALIFORNIA	24302	230 230	304 304	.554 .554	107 111	109		
	COMPLIANT. NOT COMPUTER								
	COMPATIBLE. POWER RANGE								
-	2500-6000.								
	Mell Lube	M-10012	ENGINE ASSEMBLY AND BREAK-IN LUBRICAN PLATES WEAR SURFACES TO PREVENT SCOP						
					G ENGINE S	IARI UP. 4	UΖ		
	T								
	Torque Cam Lifter Kit	CL-MTF-4	CLASS I HYD. NOT COMPUTER COMPATIBLE. IMPROVES LOW-MID PERF. NOT CALIFORNIA						
					UDES 1-[MT		-		
			LIFTERS & 40Z MELL LUBE. CHECK FOR COIL BIND						
			USE [VS-280] SPRING W/INSTALLED HGT. OF 1.82						
_	Mechanical Flat Tappet Lifters	298724							
_	Hydraulic Flat Tappet Lifters	290834							
_	Valve Locks	473004	HARDENED 2 GROOVES						
	Valve Spring with Hydraulic	466224	USE WITH [24205], [24302], [MTF-4] CAMS. MACHININ						
_	Lifters	475004							
	Valve Spring Retainers	475084	CHROME MOLY - USE WITH [466224] SPRINGS						
	Chrome Moly Push Rods	500064	FOR USE WITH MECHANICAL LIFTERS MAX.SPRING PRESSURE 350 LBS.						
		500074	WITH DEEP SHELL TYPE - FOR USE WITH						
			MECHANICAL LIFTERS MAX. SPRING PRESSURE 350						
			MECHANI	CAL LIFTER	S MAX. SPR	ING PRESS	URE 350		
			MECHANIC	CAL LIFTER	S MAX. SPR	ING PRESS	URE 350		

PERFORMANCE - FORD PRODUCTS & TRUCKS (Continued)

Line No.	Part Title	Part No.			Description			
20	428 ENG - 1966-70 - 8 Cyl 4.1		DES MER					
	3pc Set	40204			HAIN, CAST	IRON CAM		
					LE KEYWAY		ROCKET	
		40410	INCLUDES	SEAMLES	SOLID ROI	LER CHAIN	I, CAST	
			IRON CAM	I SPROCKE	T & MULTIPL	E KEYWAY	CRANK	
			SPROCKE	Т				
	Oil Pump	M-57B	1969-1970	COBRA JET	FAND SUPE	R COBRA J	ET	
		M-57HV	EXCLUDE	S COBRA JE	ET AND SUP	ER COBRA	JET HI	
			VOL PUMP (25% ADDL VOL OF OIL). CHECK FOR PA AND CRANK CLEARANCE.					
	Oil Pump Drive Shaft	12600	2600 PERFORMANCE TYPE I				T. HIGH	
			STRENGT	H (150,000 F	SI) CHROM	E MOLY ST	EEL.	
			IMPROVE	D SHAFT RE	TAINER WH	IICH LOCKS	ONTO	
			THE OIL P	UMP DRIVE	SHAFT			
21	429 ENG- 1968-73 - 8 Cyl 4.3	60 Bore (INCLU	DES MERC	URY AND	LINCOLN (CARS AND)	
	RANCHERO)	-					·	
	Torque Camshaft		Degrade	Degrado	Inches	Dogrado	Degrees	
			Degrees .050" dur	Degrees ADV. Dur	Valve lift	Degrees Lobe cntr.	Separation	
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.		
	HYD. IMPROVES LOW-MID.	MTF-3	204 214	282 292	.485 .512	107 117	112	
	PERF. CHECK FOR COIL BIND.	_						
	USE [VS-280] SPRING W/							
	INSTALLED HGT. OF 1.82.							
	CLASS I. NOT CALIFORNIA							
	COMPLIANT. NOT COMPUTER							
	COMPATIBLE. POWER RANGE							
	1200-4700.							
	Camshafts Using Mechanical		Degrees	Degrees	Inches	Degrees	Degrees	
	Flat Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation	
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.		
	CLASS IV. NOT CALIFORNIA	24406	244 254	294 304	.588 .614	107 117	112	
	COMPLIANT. NOT COMPUTER							
	COMPATIBLE. POWER RANGE							
	1700-5200. Camshafts Using Hydraulic Flat		_	_			_	
	Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation	
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Separation	
	CLASS II. NOT CALIFORNIA	24206	214 224	292 302	.511 .544	107 117	112	
	COMPLIANT. NOT COMPUTER	24200		202 002	.511 .544	107 117	112	
	COMPATIBLE. POWER RANGE							
	1450-4900.							
	Mell Lube	M-10012	ENGINE A	SSEMBLY A	ND BREAK-	IN LUBRICA	NT.	
			PLATES W	/EAR SURF/	ACES TO PF	EVENT SC	ORING	
			AND GALL	ING DURIN	G ENGINE S	TART UP. 4	oz	
			CONTAINE	ER.				
	Torque Cam Lifter Kit	CL-MTF-3			MPUTER C			
					PERF. USE			
					ANT. KIT INC	-	-	
				-	ERS & 4OZ I			
					[VS-280] SPI	RING W/INS	TALLED	
			HGT. OF 1					
	Hydraulic Flat Tappet Lifters	JB-900	FOR USE	WITH [MTF-	3] CAMSHAF	·ľ		
	Continued on Next Page							

ne o.	Part Title	Part No.	Description
1			IDES MERCURY AND LINCOLN CARS AND
	RANCHERO)	,	
	Hydraulic Flat Tappet Lifters	299004	NOT FOR USE W/ [MTF-3] CAMSHAFT USE FACTORY
			SETTING
		299014	NOT FOR USE W/ [MTF-3] CAMSHAFT ANTI-PUMP UP;
			SET AT ZERO LASH; MUST BE USED W/ ADJUSTABLE
			VALVE TRAIN
	Valve Spring with Hydraulic	VS-280	USE W/ [MTF-3] CAMSHAFT; INSTALLED HGT. OF 1.82
	Lifters		(MACHINING MAY BE REQUIRED)
	Guide Plates	MGP1124	RAISED-3/8" THICK- MUST BE USED WITH SCREW-IN
			ROCKER ARM STUDS
		MGP1134	RAISED-5/16" THICK- MUST BE USED WITH SCREW-II
			ROCKER ARM STUDS
	Gear Drive Set	48430	1972-1973 RECOMMENDED FOR STREET AND STRIP
			CLAIMER, RACING ENGINES UP TO 6,500 RPM.
			STANDARD 429. SPACER CAST INTO SPROCKET HUI
			OLDER ENGINES DISCARD SEPERATE CAMSHAFT
			SPACER INCLUDES 8620 CARBURIZED STEEL GEARS
			ROLLER CAM BUTTON, LOCK PLATE AND BOLTS.
			ADJUST WITH OPTIONAL 5 COLOR CODED DOWEL P
			HOLE INSERTS.
	3pc Set	40403	INCLUDES SEAMLESS SOLID ROLLER CHAIN, CAST
			IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK
			SPROCKET
		48530T-9	1972-1973 RECOMMENDED FOR STREET AND STRIP
			CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES
			INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250
			ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWA
			CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT.
			PRESS FIT ROLLER THRUST BEARINGS.
	Oil Pump	M-84B	1969-1970 (HIGH PRESSURE PUMP) SPECIAL
			REQUIRES BOLT ON SCREEN
		M-84B	1970-1972 (HIGH PRESSURE PUMP) (1971-72 POLICE
			1970-71 COBRA JET, SUPER COBRA JET) REQUIRES
			BOLT ON SCREEN
		M-84BHV-S	EXCLUDING POLICE, COBRA JET, SUPER COBRA JET
			USE W/OIL PAN DEPTH OF 8 1/4". MAY REQUIRE
			MINOR MODIFICATION OF OIL PAN. HI VOL PUMP-259
			ADDL VOL OF OIL THAN STOCK PUMP. INCLUDES
			BOLT ON PICKUP ASSY. CHECK FOR PAN AND CRAN
			CLEARANCE.
		M-84EHV-S	1970-1973 POLICE, COBRA JET, SUPER COBRA JET-
			USE W/OIL PAN DEPTH OF 8 5/8" - MAY REQUIRE
			MINOR MODIFICATION OF OIL PAN HI VOL PUMP-259
			ADDL VOL OF OIL THAN STOCK PUMP. INCLUDES
			BOLT ON PICKUP ASSY. CHECK FOR PAN AND CRAN
			CLEARANCE.
	Oil Pump Drive Shaft	12840	PERFORMANCE TYPE INTERMEDIATE SHAFT. HIGH
			STRENGTH (150,000 PSI) CHROME MOLY STEEL.
			IMPROVED SHAFT RETAINER WHICH LOCKS ONTO
			THE OIL PUMP DRIVE SHAFT

PERFORMANCE - FORD PRODUCTS & TRUCKS (Continued)

Line							
No.	Part Title	Part No.			Description		
22	429 ENG - 1980-98 - 8 Cyl 4.3		,				
	Mell Lube	M-10012	PLATES W	SSEMBLY A /EAR SURF/ .ING DURIN(=B	ACES TO PF	REVENT SCO	ORING
	Oil Pump	M-84DHV	HI VOL PU	IMP-25% AD			
	<u> </u>		PUMP. CH	ECK FOR P	AN AND CR	ANK CLEAR	ANCE.
	Oil Pump Screen Oil Pump Drive Shaft	84-DS2					
	Oli Pump Drive Snatt	IS-84 12840	STRENGT	IANCE TYPE H (150,000 F D SHAFT RE UMP DRIVE	PSI) CHROM	E MOLY ST	EEL.
23	460 ENG - 1972-97 - 8 Cyl 4.3	60 Bore (INCLU	DES MER	CURY, LING	COLN & TR	UCKS)	
	Torque Camshaft		Degrees .050" dur Int. Exh.	Degrees ADV. Dur Int. Exh.	Inches Valve lift Int. Exh.	Degrees Lobe cntr. Int. Exh.	Degrees Separation
	HYD. IMPROVES LOW-MID. PERF. CHECK FOR COIL BIND. USE [VS-280] SPRING W/ INSTALLED HGT. OF 1.82. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1200-4700.	MTF-3	204 214	282 292	.485 .512	107 117	112
	Camshafts Using Mechanical Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
	CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5200.	24406	Int. Exh. 244 254	Int. Exh. 294 304	Int. Exh. .588 .614	Int. Exh. 107 117	112
	Camshafts Using Hydraulic Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1450-4900.	24206	214 224	292 302	.511 .544	107 117	112
	Mell Lube	M-10012	PLATES W	SSEMBLY A /EAR SURF/ .ING DURIN(ER.	ACES TO PF	REVENT SCO	ORING
	Torque Cam Lifter Kit	CL-MTF-3	IMPROVES CALIFORN CAM, 16-[J	YD. NOT CC S LOW-MID IIA COMPLIA IB-900] LIFT BIND. USE .82	PERF. USE ANT. KIT INC ERS & 40Z	[VS-280]. NC CLUDES 1-[N MELL LUBE	DT /ITF-3] CHECK
	Hydraulic Flat Tappet Lifters	JB-900 299004	FOR USE	WITH [MTF-: USE W/ [MT	-		ACTORY
	Continued on Next Page						

PERFORMANCE - FORD PRODUCTS & TRUCKS (Continued)

Line			RMANCE - FORD PRODUCTS & TRUCKS (Continued)
No.	Part Title	Part No.	Description
23	460 ENG - 1972-97 - 8 Cyl 4	.360 Bore (INCLL	JDES MERCURY, LINCOLN & TRUCKS)
	Hydraulic Flat Tappet Lifters	299014	NOT FUR USE W/ [MTF-3] CAMSHAFT ANTI-PUMP UP;
			SET AT ZERO LASH; MUST BE USED W/ ADJUSTABLE
			VALVE TRAIN
	Valve Spring with Hydraulic	VS-280	USE W/ [MTF-3] CAMSHAFT; INSTALLED HGT. OF 1.82
	Lifters		(MACHINING MAY BE REQUIRED)
	Guide Plates	MGP1124	RAISED-3/8" THICK- MUST BE USED WITH SCREW-IN
			ROCKER ARM STUDS
		MGP1134	RAISED-5/16" THICK- MUST BE USED WITH SCREW-IN
	0	40.400	
	3pc Set	40403	INCLUDES SEAMLESS SOLID ROLLER CHAIN, CAST IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK
			SPROCKET
		48530T-9	1972-1978 RECOMMENDED FOR STREET AND STRIP,
		400001-0	CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES
			INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250"
			ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY
			CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT.
			PRESS FIT ROLLER THRUST BEARINGS.
	Oil Pump	M-84B	1972-1978 CAR APPLICATIONS. POLICE ONLY. HIGH
			PRESSURE PUMP REQUIRES BOLT ON SCREEN
		M-84BHV-S	1974-1997 TRUCK-VAN APPLICATIONS. USE W/OIL PAN
			DEPTH OF 8 1/4". MAY REQUIRE MINOR MODIFICATION
			OF OIL PAN. HI VOL PUMP-25% ADDL VOL OF OIL THAN
			STOCK PUMP. INCLUDES BOLT ON PICKUP ASSY.
		MOADUNG	CHECK FOR PAN AND CRANK CLEARANCE.
		M-84BHV-S	1972-1978 CAR APPLICATIONS. EXCLUDES POLICE. USE W/OIL PAN DEPTH OF 8 1/4". MAY REQUIRE
			MINOR MODIFICATION OF OIL PAN. HI VOL PUMP-25%
			ADDL VOL OF OIL THAN STOCK PUMP. INCLUDES
			BOLT ON PICKUP ASSY. CHECK FOR PAN AND CRANK
			CLEARANCE.
		M-84D	1975-1996 HIGH PRESSURE PUMP. E250/E350
		M-84D	1979-1979 HIGH PRESSURE PUMP. F100
		M-84D	1989-1997 HIGH PRESSURE PUMP. F53 MOTOR HOME
		M-84D	1997-1997 F450 HIGH PRESSURE PUMP
		M-84DHV	1974-1997 TRUCK/VAN ONLY. SCREEN NOT INCLUDED
			HI VOL PUMP-25% ADDL VOL OF OIL THAN STOCK
			PUMP. CHECK FOR PAN AND CRANK CLEARANCE. 1972-1978 CAR APPLICATIONS. POLICE CAR - USE W/
		M-84EHV-S	OIL PAN DEPTH OF 8 5/8". MAY REQUIRE MINOR
			MODIFICATION OF OIL PAN. HI VOL PUMP-25% ADDL
			VOL OF OIL THAN STOCK PUMP. INCLUDES BOLT ON
			PICKUP ASSY. CHECK FOR PAN AND CRANK
			CLEARANCE.
	Oil Pump Screen	84-DS1	1974-1997 TRUCK/VAN ONLY. FOR USE WITH M-84DHV
	-		- 11 5/8" OVERALL LENGTH
		84-DS2	1974-1997 TRUCK/VAN ONLY. FOR USE WITH M-84DHV
			- 13 1/4" OVERALL LENGTH
	Oil Pump Drive Shaft	12840	PERFORMANCE TYPE INTERMEDIATE SHAFT. HIGH
			STRENGTH (150,000 PSI) CHROME MOLY STEEL.
			IMPROVED SHAFT RETAINER WHICH LOCKS ONTO
			THE OIL PUMP DRIVE SHAFT

PERFORMANCE - ISUZU

Line No.	Part Title	Part No.	Description				
1			96mm Bore (ASCENDER) GM VORTEC				
	Mell Lube	M-10012	ENGINE ASSEMBLY AND BREAK-IN LUBRICANT.				
			PLATES WEAR SURFACES TO PREVENT SCORING				
			AND GALLING DURING ENGINE START UP. 40Z				
			CONTAINER.				
	Oil Pump	10295	2003-2004 STANDARD VOLUME. HI PRESSURE 10%.				
			PROTECTIVE COATING. SCREW IN VALVE. USES 7/8"				
			BOLT ON SCREEN.				
		10296	2003-2004 HI VOLUME 18%. PROTECTIVE COATING.				
			SCREW IN VALVE. USES 7/8" BOLT ON SCREEN.				
			INCLUDES OPTIONAL HI PRESSURE SPRING. CHECK				
			FOR PAN AND CRANK CLEARANCE.				

PERFORMANCE - OLDSMOBILE

Line							
No.	Part Title	Part No.			Description		
1	260 ENG - 1975-82 - 8 Cyl 3.5	500 Bore					
	Torque Camshaft		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	HYD. IMPROVES LOW-MID. PERF. CHECK FOR COIL BIND. USE [VS-720] SPRING W/ INSTALLED HGT. OF 1.67. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1200-4700.	MTO-1	204 214	280 289	.449 .473	106 118	112
	Camshafts Using Hydraulic Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5200.	25211	214 224	289 300	.473 .497	106 118	112
	1975-1982 DURATION AT .50 INTAKE 244 CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3200-6700.	25309	244 244	314 314	.475 .475	110 110	110
	DURATION AT .50 INTAKE 232 CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2650-6200.	25310	232 232	329 329	.474 .474	112 114	113
	Mell Lube	M-10012	PLATES W	SSEMBLY A /EAR SURF/ .ING DURING ER.	ACES TO PF	REVENT SCO	ORING
	Continued on Next Page						

Line			
No.	Part Title	Part No.	Description
1	260 ENG - 1975-82 - 8 Cyl 3.		
	Torque Cam Lifter Kit	CL-MTO-1	CLASS I HYD. NOT COMPUTER COMPATIBLE. IMPROVES LOW-MID PERF. USE [VS-720]. NOT CALIFORNIA COMPLIANT. KIT INCLUDES 1-[MTO-1] CAM, 16-[JB-951] LIFTERS & 40Z MELL LUBE. CHECK FOR COIL BIND. USE [VS-720] SPRING W/INSTALLED HGT. OF 1.67
	Hydraulic Flat Tappet Lifters	299514	
	Valve Locks	476104	11/32" STEM
	Valve Spring with Hydraulic Lifters	466124	1975-1982 INNER - USE WITH [25211], [25309], [MTO-1], [25310] CAMS - MACHING MAY BE REQUIRED
		466134	1975-1982 OUTER - USE WITH [25211], [25309], [MTO-1], [25310] CAMS - MACHING MAY BE REQUIRED
	Valve Spring Retainers	475054	CHROME MOLY - USE WITH [466134] SPRINGS
	Valve Springs	VS-720	USE W/ [MTO-1] CAMSHAFT (MACHINING MAY BE REQUIRED)
	3pc Set	40409	INCLUDES SEAMLESS SOLID ROLLER CHAIN, CAST IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET
	Oil Pump	M-22FHV	HI VOL PUMP (20% ADDL VOL OF OIL) NOTE: THIS HI VOL PUMP IS MANUFACTURED W/BOLT ON TYPE FLANGE AND A CHAMFERED HOLE. EITHER A BOLT ON OR PRESS IN SCREEN CAN BE USED. CHECK FOR PAN AND CRANK CLEARANCE.
2	267 ENG - 1981-82 - 8 Cyl 3.	500 Bore	
	Mell Lube	M-10012	ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 40Z CONTAINER.
	Gear Drive Set	48400	NOISY - INCLUDES 8620 CARBURIZED STEEL GEARS, ROLLER CAM BUTTON, LOCK PLATE AND BOLTS. TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODED DOWEL PIN HOLE INSERTS. RECOMMENDED FOR STREET AND STRIP, CLAIMER AND RACING ENGINES UP TO 6,500 RPM.
		48400Q	QUIET - INCLUDES 8620 CARBURIZED STEEL GEARS, ROLLER CAM BUTTON, LOCK PLATE AND BOLTS. TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODED DOWEL PIN HOLE INSERTS. RECOMMENDED FOR STREET AND STRIP, CLAIMER AND RACING ENGINES UP TO 6,500 RPM.
	3pc Set	48500T-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS FIT ROLLER THRUST BEARINGS.
		48500W-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES. INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZE WASHER

	Part Title	Part No.			Description				
	305 ENG - 1977-88 - 8 Cyl 3.7		Becomption						
	Mell Lube	M-10012	ENGINE A	SSEMBLY A	ND BREAK-	IN LUBRICA	NT.		
			ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING						
			AND GALL	ING DURIN	G ENGINE S	TART UP. 4	ΟZ		
			CONTAINE	ER.					
	Gear Drive Set	48400	NOISY - IN	ICLUDES 86	20 CARBUR	IZED STEE	GEARS,		
			ROLLER C	CAM BUTTO	N, LOCK PLA	ATE AND BO	DLTS.		
			TIMING AD	DJUSTED W	ITH 5 OPTIC	NAL COLOI	R CODED		
					SERTS. REC				
					CLAIMER AN	ID RACING	ENGINES		
			UP TO 6,5						
		48400Q			20 CARBUR				
					N, LOCK PLA				
					ITH 5 OPTIC				
			DOWEL PIN HOLE INSERTS. RECOMMENDED STREET AND STRIP, CLAIMER AND RACING						
	3pc Set	48500T-9	UP TO 6,500 RPM. RECOMMENDED FOR STREET AND STRIP, CIR						
'									
			TRACK, HOT ROD AND CLAIMER ENGINES INCLUDI SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER BILLET STEEL CAM SPROCKET & 9 KEYWAY CRAN						
			SPROCKE	T WITH +4%	-4° CAM AD	JUSTMENT.	PRESS		
			FIT ROLLER THRUST BEARINGS.						
		48500W-9	RECOMM	RECOMMENDED FOR STREET AND STRIP, CIRCLE					
				TRACK, HOT ROD AND CLAIMER ENGINES INCLUDES					
				SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK					
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZE WASHER						
	307 ENG - 1980-88 - 8 Cyl 3.5	500 Bore	WASHEN						
	Torque Camshaft		Degrade	Degrade	Inches	Degrade	Degrees		
			Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Separatio		
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.			
	1980-1984 HYD. IMPROVES	MTO-1	204 214	280 289	.449 .473	106 118	112		
	LOW-MID. PERF. CHECK FOR	_							
	COIL BIND. USE [VS-720]								
:	SPRING W/INSTALLED HGT. OF								
	1.67. CLASS I. NOT CALIFORNIA								
0	COMPLIANT. NOT COMPUTER								
1	COMPATIBLE. POWER RANGE								
	1200-4700.								
	1200-4700. Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees		
	1200-4700.		.050" dur	ADV. Dur	Valve lift	Lobe cntr.			
	1200-4700. Camshafts Using Hydraulic Flat Tappet Lifters	05044	.050" dur Int. Exh.	ADV. Dur Int. Exh.	Valve lift Int. Exh.	Lobe cntr. Int. Exh.	Separatio		
	1200-4700. Camshafts Using Hydraulic Flat Tappet Lifters 1980-1984 CLASS II. NOT	25211	.050" dur	ADV. Dur	Valve lift	Lobe cntr.			
	1200-4700. Camshafts Using Hydraulic Flat Tappet Lifters 1980-1984 CLASS II. NOT CALIFORNIA COMPLIANT. NOT	25211	.050" dur Int. Exh.	ADV. Dur Int. Exh.	Valve lift Int. Exh.	Lobe cntr. Int. Exh.	Separatio		
	1200-4700. Camshafts Using Hydraulic Flat Tappet Lifters 1980-1984 CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE.	25211	.050" dur Int. Exh.	ADV. Dur Int. Exh.	Valve lift Int. Exh.	Lobe cntr. Int. Exh.	Separatio		
	1200-4700. Camshafts Using Hydraulic Flat Tappet Lifters 1980-1984 CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5200.		.050" dur Int. Exh. 214 224	ADV. Dur Int. Exh. 289 300	Valve lift Int. Exh. .473 .497	Lobe cntr. Int. Exh. 106 118	Separatio		
	1200-4700. Camshafts Using Hydraulic Flat Tappet Lifters 1980-1984 CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5200. 1980-1984 DURATION AT .50	25211 25309	.050" dur Int. Exh.	ADV. Dur Int. Exh.	Valve lift Int. Exh.	Lobe cntr. Int. Exh.	Separatio		
	1200-4700. Camshafts Using Hydraulic Flat Tappet Lifters 1980-1984 CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5200. 1980-1984 DURATION AT .50 INTAKE 244 CLASS III. NOT		.050" dur Int. Exh. 214 224	ADV. Dur Int. Exh. 289 300	Valve lift Int. Exh. .473 .497	Lobe cntr. Int. Exh. 106 118	Separatic 112		
	1200-4700. Camshafts Using Hydraulic Flat Tappet Lifters 1980-1984 CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5200. 1980-1984 DURATION AT .50 INTAKE 244 CLASS III. NOT CALIFORNIA COMPLIANT. NOT		.050" dur Int. Exh. 214 224	ADV. Dur Int. Exh. 289 300	Valve lift Int. Exh. .473 .497	Lobe cntr. Int. Exh. 106 118	Separatio		
	1200-4700. Camshafts Using Hydraulic Flat Tappet Lifters 1980-1984 CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5200. 1980-1984 DURATION AT .50 INTAKE 244 CLASS III. NOT		.050" dur Int. Exh. 214 224	ADV. Dur Int. Exh. 289 300	Valve lift Int. Exh. .473 .497	Lobe cntr. Int. Exh. 106 118	Separatic 112		

Line							commueu)	
No.	Part Title	Part No.			Description			
4	307 ENG - 1980-88 - 8 Cyl 3.5	500 Bore	1					
	Camshafts Using Hydraulic Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation	
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.		
	1980-1984 DURATION AT .50 INTAKE 232 CLASS III. NOT	25310	232 232	329 329	.474 .474	112 114	113	
	CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2650-6200.							
	Mell Lube	M-10012	ENGINE A	SSEMBLY A	ND BREAK-	IN LUBRICA	NT.	
			AND GALL CONTAINE		G ENGINE S	TART UP. 4		
	Torque Cam Lifter Kit	CL-MTO-1		CLASS I HY				
				BLE. IMPRO				
				CAM, 16-[JB DR COIL BIN	-			
				D HGT. OF 1	-			
	Hydraulic Flat Tappet Lifters	299514	1980-1984		1.07			
	Valve Locks	476104	11/32" STE					
	Valve Spring with Hydraulic	466124	INNER - USE WITH [25211], [25309], [MTO-1], [25310]					
	Lifters		CAMS - MACHING MAY BE REQUIRED					
		466134	OUTER - USE WITH [25211], [25309], [MTO-1], [25310]					
			CAMS - MACHING MAY BE REQUIRED					
	Valve Spring Retainers	475054	CHROME MOLY - USE WITH [466134] SPRINGS					
	Valve Springs	VS-720	USE W/ [MTO-1] CAMSHAFT (MACHINING MAY BE REQUIRED)					
	Oil Pump	M-22FHV	HI VOL PUMP (20% ADDL VOL OF OIL) NOTE: THIS					
			VOL PUMP IS MANUFACTURED W/BOLT ON TYPE FLANGE AND A CHAMFERED HOLE. EITHER A BOLT ON					
				S IN SCREEI				
				NK CLEARAI		SLD. ONLO		
5	350 ENG - 1968-80 - 8 Cyl 4.0)57 Bore	7410 0174		102.			
	Torque Camshaft		Degrade	Degrade	Inches	Degrade	Degrees	
			Degrees .050" dur	Degrees ADV. Dur	Valve lift	Degrees Lobe cntr.	Degrees Separation	
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.		
	HYD. IMPROVES LOW-MID. PERF. CHECK FOR COIL BIND. USE [VS-720] SPRING W/ INSTALLED HGT. OF 1.67. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE	MTO-1	204 214	280 289	.449 .473	106 118	112	
	1200-4700.							
	Camshafts Using Hydraulic Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation	
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.		
	CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5200.	25211	214 224	289 300	.473 .497	106 118	112	
	Continued on Next Page							
	-	1	I	I	1	I		

Line No.	Part Title	Part No.			Description				
5	350 ENG - 1968-80 - 8 Cyl 4.0		1						
	Camshafts Using Hydraulic Flat		Degrade	Degrade	Inches	Degrade	Degrade		
	Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Valve lift	Degrees Lobe cntr.	Degrees Separation		
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Copulation		
	DURATION AT .50 INTAKE 244	25309	244 244	314 314	.475 .475	110 110	110		
	CLASS III. NOT CALIFORNIA								
	COMPLIANT. NOT COMPUTER								
	COMPATIBLE. POWER RANGE								
	3200-6700.								
	DURATION AT .50 INTAKE 232	25310	232 232	329 329	.474 .474	112 114	113		
	CLASS III. NOT CALIFORNIA								
	COMPLIANT. NOT COMPUTER								
	COMPATIBLE. POWER RANGE								
	2650-6200.								
	Mell Lube	M-10012	ENGINE ASSEMBLY AND BREAK-IN LUBRICANT.						
				/EAR SURF/					
			AND GALLING DURING ENGINE START UP. 40Z						
			CONTAINE	ER.					
	Torque Cam Lifter Kit	CL-MTO-1		CLASS I HYD. NOT COMPUTER COMPATIBLE.					
			IMPROVES LOW-MID PERF. NOT CALIFORNIA						
			COMPLIANT. KIT INCLUDES 1-[MTO-1] CAM, 16-[JB-951] LIFTERS & 40Z MELL LUBE. CHECK FOR COIL BIND.						
			USE [VS-720] SPRING W/INSTALLED HGT. OF 1.67						
	Hydraulic Flat Tappet Lifters	299514							
	Valve Locks	476104	11/32" STEM						
	Valve Spring with Hydraulic	466124	INNER - USE WITH [25211], [25309], [MTO-1], [25310] CAMS - MACHING MAY BE REQUIRED						
	Lifters	400404							
		466134	OUTER - USE WITH [25211], [25309], [MTO-1], [25310] CAMS - MACHING MAY BE REQUIRED						
	Valve Spring Retainers	475054		MOLY - USE			39		
	Valve Spring Retainers	VS-720		1TO-1] CAMS					
	valve Springs	V3-720		-					
	Gear Drive Set	48400		NOISY - IN	CLUDES 862	0 CARBURI	ZED STEEL		
				OLLER CAN					
				MING ADJU					
				OWEL PIN H					
			FOR STRE	EET AND ST	RIP, CLAIME	ER AND RAC	CING		
			ENGINES	UP TO 6,500	RPM.				
		48400Q	1977-1979	QUIET - INC	CLUDES 862	0 CARBURI	ZED STEEL		
			GEARS, R	OLLER CAN	I BUTTON, L	OCK PLATE	E AND		
			BOLTS. TI	MING ADJU	STED WITH	5 OPTIONA	L COLOR		
			CODED D	OWEL PIN H	IOLE INSER	TS. RECOM	MENDED		
			FOR STRE	EET AND ST	RIP, CLAIME	ER AND RAC	CING		
				UP TO 6,500					
	3pc Set	48500T-9		RECOMME					
				RACK, HOT					
				SEAMLES			•		
				BILLET STE					
				PROCKET W			STMENT.		
			PRESS FI	T ROLLER T	HRUST BEA	RINGS.			
	Continued on Next Page								

Line							
No.	Part Title 350 ENG - 1968-80 - 8 Cyl 4.0	Part No.			Description		
5			1077 1070	DECOMME			
	3pc Set	48500W-9	CIRCLE TH INCLUDES ROLLER), CRANK SF	RACK, HOT S SEAMLESS BILLET STE PROCKET W	NDED FOR S ROD AND C S DOUBLE F EL CAM SPI (ITH +4°/-4° (LAIMER EN OLLER CHA ROCKET & S	GINES. AIN (.250" 9 KEYWAY
	Oil Pump	M-22FHV	VOL PUMF FLANGE A OR PRESS	IMP (20% AE P IS MANUF ND A CHAN	DDL VOL OF ACTURED W IFERED HOI N CAN BE U NCF.	//BOLT ON ⁻ _E. EITHER	TYPE A BOLT ON
6	400 ENG - 1965-69 - 8 Cyl 4.0	00 Bore	/				
	Torque Camshaft		Degrees .050" dur Int. Exh.	Degrees ADV. Dur Int. Exh.	Inches Valve lift Int. Exh.	Degrees Lobe cntr. Int. Exh.	Degrees Separation
	HYD. IMPROVES LOW-MID. PERF. CHECK FOR COIL BIND. USE [VS-720] SPRING W/ INSTALLED HGT. OF 1.67. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1200-4700.	MTO-1	204 214	280 289	.449 .473	106 118	112
	Camshafts Using Hydraulic Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Separation
	1967-1969 CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5200.	25211	214 224	289 300	.473 .497	106 118	112
	1967-1969 DURATION AT .50 INTAKE 244 CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3200-6700.	25309	244 244	314 314	.475 .475	110 110	110
	1967-1969 DURATION AT .50 INTAKE 232 CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2650-6200.	25310	232 232	329 329	.474 .474	112 114	113
	Mell Lube	M-10012	ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 40Z CONTAINER.				ORING
	Torque Cam Lifter Kit	CL-MTO-1	IMPROVES CALIFORN CAM, 16-[J FOR COIL	S LOW-MID NA COMPLI <i>I</i> JB-951] LIFT BIND. USE	DMPUTER C PERF. USE ANT. KIT INC ERS & 40Z I [VS-720] SPI	VS-720]. NO LUDES 1-[N MELL LUBE	DT /ITO-1] CHECK
	Hydraulic Flat Tappet Lifters	299514	HGT. OF 1 EXCLUDE				
	Valve Locks	476104	11/32 inch				
	Continued on Next Page						

Part Title	Part No.			Description			
400 ENG - 1965-69 - 8 Cyl 4.0	000 Bore						
Valve Spring with Hydraulic	466124	INNER - U	SE WITH [25	5211], [25309), [MTO-1], [[25310]	
Lifters				Y BE REQUI			
	466134	OUTER - USE WITH [25211], [25309], [MTO-1], [25310]					
				Y BE REQU			
Valve Spring Retainers	475054			WITH [4661	-		
Valve Springs	VS-720	REQUIRE	-	SHAFT (MAC		I BE	
Chrome Moly Push Rods	500564		1			PRESSURE	
officine moly rush neus	000004	1968-1969 HEAT TREATED MAX. SPRING PRESSURE 350 LBS.					
3pc Set	40409	INCLUDES	SEAMLES	S SOLID RO	LER CHAIN	I, CAST	
				T & MULTIPI			
		SPROCKE					
Oil Pump	M-22FHV		•	DDL VOL OF	,		
				ACTURED V			
				IFERED HOI			
		OR PRESS IN SCREEN CAN BE USED. CHECK FOR PA AND CRANK CLEARANCE.					
403 ENG - 1977-79 - 8 Cyl 4.3	350 Bore			NOL.			
Torque Camshaft					D		
		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degree Separati	
		Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Copulai	
HYD. IMPROVES LOW-MID.	MTO-1	204 214	280 289	.449 .473	106 118	112	
PERF. CHECK FOR COIL BIND.							
USE [VS-720] SPRING W/							
INSTALLED HGT. OF 1.67.							
CLASS I. NOT CALIFORNIA							
COMPLIANT. NOT COMPUTER							
COMPATIBLE. POWER RANGE 1200-4700.							
Camshafts Using Hydraulic Flat		Degrade	Degrade	Inches	Degrade	Degree	
Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Valve lift	Degrees Lobe cntr.	Separati	
		Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.		
CLASS II. NOT CALIFORNIA	25211	214 224	289 300	.473 .497	106 118	112	
COMPLIANT. NOT COMPUTER							
COMPATIBLE. POWER RANGE							
1700-5200.							
DURATION AT .50 INTAKE 244 CLASS III. NOT CALIFORNIA	25309	244 244	314 314	.475 .475	110 110	110	
COMPLIANT. NOT CALIFORNIA							
COMPATIBLE. POWER RANGE							
3200-6700.							
DURATION AT .50 INTAKE 232	25310	232 232	329 329	.474 .474	112 114	113	
CLASS III. NOT CALIFORNIA							
COMPLIANT. NOT COMPUTER							
COMPATIBLE. POWER RANGE							
2650-6200.							
Mell Lube	M-10012			ND BREAK-			
		_		ACES TO PF			
	1	AND GALLING DURING ENGINE START UP. 40Z					
		CONTAINE	=D				

Line						- (
No.	Part Title	Part No.			Description				
7	403 ENG - 1977-79 - 8 Cyl 4.3	50 Bore							
	Torque Cam Lifter Kit	CL-MTO-1	CLASSIH	YD. NOT CO	MPUTER C	OMPATIBLE			
			IMPROVES	S LOW-MID	PERF. USE	[VS-720]. NC	-		
			CALIFORM	IIA COMPLIA	COMPLIANT. KIT INCLUDES 1-[MTO-1]				
			CAM, 16-[J	JB-951] LIFT	ERS & 4OZ	MELL LUBE	CHECK		
			FOR COIL	BIND. USE	[VS-720] SP	PRING W/INSTALLED			
			HGT. OF 1	.67					
	Hydraulic Flat Tappet Lifters	299514							
	Valve Locks	476104	11/32" STEM						
	Valve Spring with Hydraulic	466124		SE WITH [25			25310]		
	Lifters			ACHING MA					
		466134		JSE WITH [2			[25310]		
				ACHING MA					
	Valve Spring Retainers	475054	CHROME MOLY - USE WITH [466134] SPRINGS						
	Valve Springs	VS-720	-	ITO-1] CAMS	SHAFT (MAC	HINING MA	Y BE		
	3pc Set	40409	INCLUDES SEAMLESS SOLID ROLLER CHAIN, CAST IRON CAM SPROCKET & MULTIPLE KEYWAY CRAN						
					T & MULTIPI	E KEYWAY	CRANK		
			SPROCKET						
	Oil Pump	M-22FHV	HI VOL PUMP (20% ADDL VOL OF OIL) NOTE: THIS HI						
			VOL PUMP IS MANUFACTURED W/BOLT ON TYPE						
			FLANGE AND A CHAMFERED HOLE. EITHER A BOLT						
			OR PRESS IN SCREEN CAN BE USED. CHECK FOR P AND CRANK CLEARANCE.						
			AND CRAN	NK CLEARAI	NCE.				
8	425 ENG - 1965-67 - 8 Cyl 4.1	25 Bore							
	Torque Camshaft		Degrees	Degrees	Inches	Degrees	Degrees		
			.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation		
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.			
	1967-1967 HYD. IMPROVES	MTO-1	204 214	280 289	.449 .473	106 118	112		
	LOW-MID. PERF. CHECK FOR								
	COIL BIND. USE [VS-720]								
	SPRING W/INSTALLED HGT. OF								
	1.67. CLASS I. NOT CALIFORNIA								
	COMPLIANT. NOT COMPUTER								
	COMPATIBLE. POWER RANGE								
	1200-4700.								
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees		
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation		
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.			
	1967-1967 CLASS II. NOT	25211	214 224	289 300	.473 .497	106 118	112		
	CALIFORNIA COMPLIANT. NOT								
	COMPUTER COMPATIBLE.								
	POWER RANGE 1700-5200.								
	1967-1967 DURATION AT .50	25309	244 244	314 314	.475 .475	110 110	110		
	INTAKE 244 CLASS III. NOT								
	CALIFORNIA COMPLIANT. NOT								
	COMPUTER COMPATIBLE.								
	POWER RANGE 3200-6700.								
	1967-1967 DURATION AT .50	25310	232 232	329 329	.474 .474	112 114	113		
	INTAKE 232 CLASS III. NOT								
	CALIFORNIA COMPLIANT. NOT								
	COMPUTER COMPATIBLE.								
	POWER RANGE 2650-6200.								
	Continued on Next Page								
	,	1	1	1	I	I			

Part Title	Part No.			Description		
425 ENG - 1965-67 - 8 Cyl 4.						
Mell Lube	M-10012	ENGINE ASSEMBLY AND BREAK-IN LUBRICANT.				NT.
				ACES TO PF		
		AND GALLING DURING ENGINE START UP. 40Z				
		CONTAIN				-
Torque Cam Lifter Kit	CL-MTO-1	1967-1967 CLASS I HYD. NOT COMPUTER				
		COMPATIBLE. IMPROVES LOW-MID PERF. USE [VS-720]. NOT CALIFORNIA COMPLIANT. KIT INC 1-[MTO-1] CAM, 16-[JB-951] LIFTERS & 40Z MELI				SE
			-	ID. USE [VS-		
		INSTALLE	D HGT. OF ⁻	1.67	-	
Valve Locks	476104	11/32" STE	EM			
Valve Spring with Hydraulic	466124	INNER - U	SE WITH [25	5211], [25309), [MTO-1], [25310]
Lifters		CAMS - M	ACHING MA	Y BE REQUI	RED	-
	466134	OUTER - U	JSE WITH [2	5211], [2530	9], [MTO-1],	[25310]
		CAMS - M	ACHING MA	Y BE REQUI	RED	
Valve Spring Retainers	475054	CHROME	MOLY - USE	WITH [4661	34] SPRINC	is
Valve Springs	VS-720	USE W/ [N	ITO-1] CAMS	SHAFT (MAC	HINING MA	Y BE
		REQUIRE	,			
3pc Set	40409	INCLUDES	SEAMLES	S SOLID RO	LLER CHAIN	I, CAST
		IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK				CRANK
		SPROCKET				
Oil Pump	M-22FHV	HI VOL PUMP (20% ADDL VOL OF OIL) NOTE: THIS HI				
		VOL PUMP IS MANUFACTURED W/BOLT ON TYPE FLANGE AND A CHAMFERED HOLE. EITHER A BOLT				
		OR PRESS IN SCREEN CAN BE USED. CHECH AND CRANK CLEARANCE.			K FOR PAI	
	_					
455 ENG - 1968-76 - 8 Cyl 4.	125 Bore		1	1		1
Torque Camshaft		Degrees	Degrees	Inches	Degrees	Degrees
		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
		Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
HYD. IMPROVES LOW-MID.	MTO-1	204 214	280 289	.449 .473	106 118	112
PERF. CHECK FOR COIL BIND.						
USE [VS-720] SPRING W/ INSTALLED HGT. OF 1.67.						
CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER						
COMPATIBLE. POWER RANGE						
1200-4700.						
Camshafts Using Hydraulic Flat						_
Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separatio
		Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Oeparatio
CLASS II. NOT CALIFORNIA	25211	214 224	289 300	.473 .497	106 118	112
COMPLIANT. NOT COMPUTER	25211		203 300	.470 .437	100 110	112
COMPATIBLE. POWER RANGE						
1700-5200.						
DURATION AT .50 INTAKE 244	25309	244 244	314 314	.475 .475	110 110	110
CLASS III. NOT CALIFORNIA						
COMPLIANT. NOT COMPUTER						
COMPATIBLE. POWER RANGE						
	1					
3200-6700.						

					0			
Line No.	Part Title	Part No.			Description			
9	455 ENG - 1968-76 - 8 Cyl 4.1	25 Bore						
	Camshafts Using Hydraulic Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation	
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.		
	DURATION AT .50 INTAKE 232 CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2650-6200.	25310	232 232	329 329	.474 .474	112 114	113	
	Mell Lube	M-10012	ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 40Z CONTAINER.					
	Torque Cam Lifter Kit	CL-MTO-1	CLASS I HYD. NOT COMPUTER COMPATIBLE. IMPROVES LOW-MID PERF. USE [VS-720]. NOT CALIFORNIA COMPLIANT. KIT INCLUDES 1-[MTO-1] CAM, 16-[JB-951] LIFTERS & 40Z MELL LUBE. CHECK FOR COIL BIND. USE [VS-720] SPRING W/INSTALLED HGT. OF 1.67					
	Hydraulic Flat Tappet Lifters	299514						
	Valve Locks	476104	11/32" STE					
	Valve Spring with Hydraulic Lifters	466124	CAMS - M	SE WITH [25 ACHING MA`	Y BE REQU	RED		
		466134	CAMS - M	JSE WITH [2 ACHING MA	Y BE REQU	RED		
	Valve Spring Retainers	475054		MOLY - USE				
	Valve Springs	VS-720	REQUIRE	,	·			
	Chrome Moly Push Rods	500564		ATED MAX.				
	3pc Set	40409	INCLUDES SEAMLESS SOLID ROLLER CHAIN, CAST IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET					
	Oil Pump	M-22FHV	SPROCKET HI VOL PUMP (20% ADDL VOL OF OIL) NOTE: THIS HI VOL PUMP IS MANUFACTURED W/BOLT ON TYPE FLANGE AND A CHAMFERED HOLE. EITHER A BOLT ON OR PRESS IN SCREEN CAN BE USED. CHECK FOR PAN AND CRANK CLEARANCE.				TYPE A BOLT ON	

PERFORMANCE - PONTIAC

Line			
No.	Part Title	Part No.	Description
1	3.8-K (229) ENG - 1980-81 - 6 C	yl 3.736 Bore	
	Mell Lube	M-10012	ENGINE ASSEMBLY AND BREAK-IN LUBRICANT.
			PLATES WEAR SURFACES TO PREVENT SCORING
			AND GALLING DURING ENGINE START UP. 40Z
			CONTAINER.
	3pc Set	48500T-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE
			TRACK, HOT ROD AND CLAIMER ENGINES. INCLUDES
			SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),
			BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS
			FIT ROLLER THRUST BEARINGS.
	Continued on Next Page		

PERF	DRMANCE - PONTIAC (Continue	ea)	
Line			
No.	Part Title	Part No.	Description
1	3.8-K (229) ENG - 1980-81 - 6 C		
	3pc Set	48500W-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE
			TRACK, HOT ROD AND CLAIMER ENGINES. INCLUDES
			SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),
			BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZE
			WASHER
2	4.3-Z (262) ENG - 1985 - 6 Cyl.	- 4.00 Bore	
	Mell Lube	M-10012	ENGINE ASSEMBLY AND BREAK-IN LUBRICANT.
			PLATES WEAR SURFACES TO PREVENT SCORING
			AND GALLING DURING ENGINE START UP. 40Z
			CONTAINER.
	3pc Set	48500T-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE
	-		TRACK, HOT ROD AND CLAIMER ENGINES. INCLUDES
			SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),
			BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS
			FIT ROLLER THRUST BEARINGS.
		48500W-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE
			TRACK, HOT ROD AND CLAIMER ENGINES. INCLUDES
			SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),
			BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZE
			WASHER
3	4.4-J (267) ENG - 1981-82 - 8 C	yl 3.50 Bore	
	Mell Lube	M-10012	ENGINE ASSEMBLY AND BREAK-IN LUBRICANT.
			PLATES WEAR SURFACES TO PREVENT SCORING
			AND GALLING DURING ENGINE START UP. 40Z
			CONTAINER.
	3pc Set	48500T-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE
			TRACK, HOT ROD AND CLAIMER ENGINES. INCLUDES
			SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),
			BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS
			FIT ROLLER THRUST BEARINGS.
		48500W-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE
			TRACK, HOT ROD AND CLAIMER ENGINES. INCLUDES
			SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),
			BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZE
			WASHER
			WAONER

Line No.	Part Title	Part No.			Description		
4	301 ENG - 1977-81 - 8 Cyl 4.0	00 Bore					
	Torque Camshaft		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	HYD. IMPROVES LOW-MID. PERF. CHECK FOR COIL BIND. USE [VS-310] INNER SPRING W/ INSTALLED HGT. OF 1.57 & [VS-450] OUTER SPRING W/ INSTALLED HGT. OF 1.59. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1200-4700.	MTP-1	204 214	278 288	.421 .443	108 116	112
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees
	Tappet Lifters		.050" dur	ADV. Dur Int. Exh.	Valve lift Int. Exh.	Lobe cntr.	Separation
	DURATION AT .50 INT. 214 CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5200.	26204	214 224	288 298	.443 .466	108 116	112
	DURATION AT .50 INT. 224 CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3200-6700.	26303	224 236	298 310	.407 .407	112 119	115
	DURATION AT .50 INT. 231 CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2650-6200.	26308	231 240	304 316	.470 .470	112 115	113
	Mell Lube	M-10012	PLATES W	/EAR SURF/ ING DURIN	ND BREAK- ACES TO PF G ENGINE S	REVENT SCO	ORING
	Torque Cam Lifter Kit	CL-MTP-1	CLASS I HYD. NOT COMPUTER COMPATIBLE. IMPROVES LOW-MID PERF. CAM LIFT .280 INT295 EXH. NOT CALIFORNIA COMPLIANT. KIT INCLUDES 1-[MTP-1] CAM, 16-[JB-951] LIFTERS & 40Z MELL LUBE. CHECK FOR COIL BIND. USE [VS-310] INNER SPRING W/ INSTALLED HGT. OF 1.57 & [VS-450] OUTER SPRING W/				
	Hydraulic Flat Tappet Lifters	299694	INSTALLED HGT. OF 1.59. USE FACTORY SETTING				
	, s. alle the tappet Entoio	299704	ANTI-PUM		T ZERO LA	SH; MUST B	E USED W/
	Valve Locks	476104					
	Valve Spring with Hydraulic Lifters	VS-310	(MACHINI	NG MAY BE	SHAFT; INNE REQUIRED)		
		VS-450	(MACHINI	NG MAY BE	SHAFT; OUT REQUIRED)		
	Valve Spring Retainers	475054	CHROME	MOLY			
	Rocker Arms	498464					
	Continued on Next Page						

Line		,					
No.	Part Title	Part No.			Description		
4	301 ENG - 1977-81 - 8 Cyl 4.0						
	Oil Pump	10540	VOLUME. SUPPORT	STANDARD . PROTECTI	INCLUDES PRESSURE VE COATING TER SCREE	. STANDAR G. SCREW I	D SHAFT
		10541	10540) INC	CLUDES SCR	(30% MORE REEN STANI NDARD SHA	DARD VOLU	JME. HIGH
			PROTECT		G. SCREW I		NCLUDES 3/
5	5.0 (305) ENG - 1977-87 - 8 Cyl	3.736 Bore Cl	HEVROLET	ENG.			
	Torque Camshaft		Degrees .050" dur Int. Exh.	Degrees ADV. Dur Int. Exh.	Inches Valve lift Int. Exh.	Degrees Lobe cntr. Int. Exh.	Degrees Separation
	1982-1987 HYD. IMPROVES LOW-MID. PERF. CHECK FOR COIL BIND. USE [VS-380] SPRING W/INSTALLED HGT. OF 1.72. USE ONLY WITH CARBURETTED ENGINES. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1000-4500.	MTC-1	204 214	278 288	.421 .444	107 117	112
	Camshafts Using Mechanical Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
	1982-1987 OEM# 3927140 CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3700-7300.	22400	Int. Exh. 257 270	Int. Exh. 304 320	Int. Exh. .494 .512	Int. Exh. 108 116	112
	1982-1987 CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2700-6200.	22402	240 250	282 290	.521 .521	104 108	106
	1982-1987 CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3700-7300.	22404	258 266	290 298	.538 .556	99 111	105
	1982-1987 OEM# 3849346 CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3600-7200.	22410	254 254	294 294	.484 .484	110 118	114
	1982-1987 OEM# 3965754 CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3600-7200. Continued on Next Page	22450	262 273	309 318	.512 .536	108 116	112
	Continued on west raye						

Line No.	Part Title	Part No.			Description		
5	5.0 (305) ENG - 1977-87 - 8 Cyl				Description		
0	Camshafts Using Hydraulic Flat				la sha s	Desman	Desire
	Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Copulation
	1982-1987 CLASS II. NOT	C-400-P	223 223	290 290	.447 .447	110 118	114
	CALIFORNIA COMPLIANT. NOT	0 100 1	220 220	200 200		110 110	
	COMPUTER COMPATIBLE.						
	POWER RANGE 2100-5600.						
	1982-1987 USE IN 1987 & OLDER	22107	208 208	280 280	.408 .408	107 113	110
	S.B. CHEVY ENG EQUIPPED	-					
	WITH CARBURETTED 305 CID						
	V8. CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATBLE. POWER RANGE						
	1000-4500.						
	1982-1987 USE ONLY IN 1987 &	22108	184 194	260 270	.367 .398	104 104	104
	OLDER S.B. CHEVY ENG						
	EQUIPPED WITH						
	CARBURETTED 305 CID V8.						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	IDLE-4000.						
	1982-1987 USE IN 1987 & OLDER	22109	194 204	270 278	.398 .421	104 104	104
	S.B. CHEVY ENG EQUIPPED						
	WITH CARBURETTED 305 CID						
	V8. CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	IDLE-4000.						
	1987-1987 CLASS I. NOT	22111	194 204	270 278	.398 .421	107 117	112
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE IDLE-4000.				400 400	100 110	
	1982-1987 USE ONLY IN 1987 &	22114	208 208	280 280	.420 .420	106 116	111
	OLDER S.B. CHEVY ENG						
	CARBURETTED 305 CID V8. CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1400-4900.						
	1982-1987 USE ONLY IN 1987 &	22115	209 216	283 286	.435 .455	107 117	112
	OLDER S.B. CHEVY ENG		200 210	200 200			
	EQUIPPED WITH						
	CARBURETTED 305 CID V8.						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1500-5000.						
	Continued on Next Page						
			1	İ.	1	1	1

Line No.	Part Title	Part No.			Description		
5	5.0 (305) ENG - 1977-87 - 8 Cyl				200011911011		
0	Camshafts Using Hydraulic Flat				la sha s	Desire	Demo
	Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Copulation
	1982-1987 USE IN 1987 & OLDER	22126	194 214	268 288	.398 .441	107 117	112
	S.B. CHEVY ENG EQUIPPED						
	WITH CARBURETTED 305 CID						
	V8. CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1250-4750.						
	1982-1987 OEM# 3863151 CLASS	22200	223 223	290 290	.447 .447	110 118	114
	II. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2100-5600.	00000	014 004	000 000	444 400	107 117	110
	1982-1987 USE IN 1987 & OLDER S.B. CHEVY ENG EQUIPPED	22203	214 224	288 298	.444 .466	107 117	112
	WITH CARBURETTED 305 CID						
	V8. CLASS II. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1700-5200.						
	1982-1987 CLASS II. NOT	22210	224 224	291 287	.450 .460	114 114	114
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2200-5800.						
	1982-1987 USE IN 1987 & OLDER	22213	214 214	287 287	.444 .444	107 117	112
	S.B. CHEVY ENG EQUIPPED						
	WITH CARBURETTED 305 CID						
	V8. CLASS II. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1700-5200.	00015	010 010	295 295	.429 .429	108 112	110
	1982-1987 USE ONLY IN 1987 & OLDER S.B. CHEVY ENG	22215	218 218	235 235	.423 .423	100 112	110
	EQUIPPED WITH						
	CARBURETTED 305 CID V8.						
	CLASS II. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2000-5000.						
	1982-1987 CLASS II. NOT	22230	214 214	287 287	.444 .444	105 115	110
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1700-5300.						
	1982-1987 CLASS II. NOT	22232	220 231	304 287	.468 .480	106 114	110
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2000-5700. 1982-1987 CLASS II. NOT	22222	224 224	300 300	.436 .436	107 109	108
	CALIFORNIA COMPLIANT. NOT	22233	224 224	300 300	.430 .430	107 109	100
	COMPUTER COMPATIBLE.						
	POWER RANGE 2200-5800.						
	Continued on Next Page						

Line	Dout Title	Part No.	Description				
No.	Part Title				Description		
5	5.0 (305) ENG - 1977-87 - 8 Cyl	3.736 Bore C	HEVROLEI	ENG.			1
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	110
	1982-1987 CLASS II. NOT	22234	224 230	283 291	.480 .486	107 113	110
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2000-5500.	00005	004 004	004 004	405 405	110 110	110
	1982-1987 CLASS II. NOT	22235	224 224	224 224	.465 .465	112 112	112
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE. POWER RANGE 2200-5700.						
	1982-1987 CLASS III. NOT	22301	232 232	288 288	.480 .480	106 110	108
	CALIFORNIA COMPLIANT. NOT	22301	232 232	200 200	.400 .400	106 110	100
	COMPUTER COMPATIBLE.						
	POWER RANGE 2500-6000.						
	1982-1987 CLASS III. NOT	22303	224 234	298 304	.466 .488	107 117	112
	CALIFORNIA COMPLIANT. NOT	22000	224 204	200 004	.400 .400	107 117	112
	COMPUTER COMPATIBLE.						
	POWER RANGE 2200-5700.						
	1982-1987 CLASS III. NOT	22305	234 244	303 313	.488 .508	107 117	112
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2700-6200.						
	1982-1987 CLASS III. NOT	22320	230 230	304 304	.453 .453	112 116	114
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2500-6000.						
	1982-1987 CLASS IV. NOT	22401	244 254	313 328	.508 .533	107 117	112
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 3300-6700.						
	1982-1987 CLASS IV. NOT	22460	246 246	302 302	.508 .508	106 112	109
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 3300-6800.						
	Camshafts Using Hydraulic		Degrees	Degrees	Inches	Degrees	Degrees
	Roller Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	1987-1987 CLASS I. NOT	22129	198 210	273 288	.434 .462	108 116	112
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE IDLE-4500.			074 000			
	1987-1987 CLASS I. NOT	22131	207 214	271 280	.410 .427	117 117	117
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1000-4500.	00001	197 206	061 076	100 150	105 114	100
	1987-1987 CLASS I. NOT CALIFORNIA COMPLIANT. NOT	22221	19/ 200	261 276	.433 .450	105 114	109
	COMPUTER COMPLIANT: NOT						
	POWER RANGE IDLE-4500.						
	Continued on Next Page						
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Line No.	Part Title	Part No.			Description		
5	5.0 (305) ENG - 1977-87 - 8 Cyl				Description		
	Camshafts Using Hydraulic				lashaa	Deswaaa	Deersee
	Roller Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Copulation
	1987-1987 CLASS II. NOT	22298	222 232	297 307	.478 .501	109 119	114
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2000-5500.						
	1987-1987 CLASS III. NOT	22397	234 238	296 300	.538 .546	107 117	112
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2500-6200.						
	Camshafts Using Hydraulic		Degrees	Degrees	Inches	Degrees	Degrees
	Retro-fit Roller Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	FOR USE WITH RETRO-FIT	22135	206 214	265 274	.470 .490	108 116	112
	ROLLER LIFTERS [SB817RF16]						
	AND [SB079RF16] CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1000-4500						
	FOR USE WITH RETRO-FIT	22136	215 230	284 310	.470 .480	106 114	110
	ROLLER LIFTERS [SB817RF16]						
	AND [SB079RF16] CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1500-5000	00007	015 004	004 000	470 400	100 110	110
	FOR USE WITH RETRO-FIT	22237	215 224	284 296	.470 .490	108 116	112
	ROLLER LIFTERS [SB817RF16] AND [SB079RF16] CLASS II. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1700-5200						
	FOR USE WITH RETRO-FIT	22238	215 215	284 284	.470 .470	106 114	110
	ROLLER LIFTERS [SB817RF16]	22200	210 210	201 201		100 111	
	AND [SB079RF16] CLASS II. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1700-5300						
	FOR USE WITH RETRO-FIT	22398	234 238	296 300	.538 .546	107 117	112
	ROLLER LIFTERS [SB817RF16]						
	AND [SB079RF16] CLASS III.						
	NOT CALIFORNIA COMPLIANT.						
	NOT COMPUTER COMPATIBLE.						
	POWER RANGE 2500-6000.						
	Mell Lube	M-10012			ND BREAK-		
			_		ACES TO PF		
					G ENGINE S	TART UP. 4	oz
			CONTAINE	=H.			
	Continued on Next Page						

Line			PERFORMANCE - PONTIAC (Continued)						
No.	Part Title	Part No.	Description						
5	5.0 (305) ENG - 1977-87 - 8 Cyl								
	Torque Cam Lifter Kit	CL-MTC-1	1982-1987 CLASS I HYD. NOT COMPUTER COMPATIBLE. IMPROVES LOW-MID PERF. USE (VS-380). USE ONLY WITH CARBURETTED ENGINES. NOT CALIFORNIA COMPLIANT. KIT INCLUDES 1-[MTC-1] CAM, 16-[JB-817] LIFTERS & 40Z MELL LUBE. CHECK						
	Mechanical Flat Tappet Lifters	JB-992	FOR COIL BIND. USE [VS-380] SPRING W/INSTALLED HGT. OF 1.72 1982-1987 STOCK TYPE REPLACEMENT LIFTER W/						
			SPECIAL DESIGNED METERING SYSTEM						
	Hydraulic Flat Tappet Lifters	298174	1982-1987 USE FACTORY SETTING						
		298184	1982-1987 ANTI-PUMP UP, SET AT ZERO LASH; MUST BE USED W/ ADJUSTABLE VALVE TRAIN						
	Hydraulic Roller Lifters	JB-2079	1982-1987 STOCK TYPE REPLACEMENT LIFTER						
	Hydraulic Retro-fit Roller Lifters	SB079RF16	1986-1987 RETRO-FIT LIFTER FOR USE W/ RETRO-FIT ROLLER CAMSHAFTS [22135], [22136], [22237], [22238], [22398]						
		SB817RF16	ROLLER CAMSHAFTS [22135], [22136], [22237], [22237 [22398]						
	Valve Locks	476104	1982-1987 HARDENED 11/32" STEM						
	Valve Spring with Mechanical Lifters	466114	1982-1987 OUTER- USE WITH [22410], [22415], [22400] & [22450] CAMS- MACHINING MAY BE REQUIRED 1.430 O.D.						
		466274	1982-1987 INNER- USE WITH [22410], [22400] & [22450] CAMS- MACHINING MAY BE REQUIRED 1.080 O.D.						
	Valve Spring with Hydraulic	466364 VS-380	1982-1987 1.260 O.D. 1982-1987 STOCK REPLACEMENT. USE WITH [MTC-1],						
	Lifters	V3-380	[22111], [22107], [22108], [22109], [22114] & [22215] CAMS- NOTE: ASM. HEIGHT OF 1.72 (MACHINING MAY BE REQUIRED)						
		VS-739	1982-1987 STOCK REPLACEMENT. USE WITH [22303], [22305] & [22401] CAMS- NOTE: ASM HEIGHT OF 1.72- MACHINING MAY BE REQUIRED CHROME VANADIUM						
		466204	1982-1987 USE WITH [22303], [22305] & [22401] CAMS- NOTE: ASM HEIGHT OF 1.72- MACHINING MAY BE REQUIRED						
		466354	1982-1987 USE WITH MTC-1, (22110), (22115), (22200), (22210), (22213), (22203), (22320), (22301) CAMSHAFTS. NOTE: ASM HEIGHT OF 1.72 - MACHINING MAY BE REQUIRED.						
	Rocker Arms	498404	1984-1987 LONG SLOT						
	Rocker Arm Stud	MRDS-2920	1984-1987 2.325 OVERALL LENGTH, 3/8" DIAMETER WITH HEX NUT						
	<u> </u>	MRDS-941	1984-1987 2.560 OVERALL LENGTH, 7/16" DIAMETER WITH HEX NUT						
	Chrome Moly Push Rods	500314	1982-1987 EXC. ROLLER 5/16" DIA. STANDARD LENGTH- HEAT TREATED FOR GUIDE PLATES. MAX. SPRING PRESSURE 350 LBS.						
		500614	1982-1987 EXC. ROLLER 5/16" DIA. + .100 O/S LENGTH-HEAT TREATED FOR GUIDE PLATES MAX. SPRING PRESSURE 350 LBS.						
		500674	1982-1987 EXC. ROLLER 3/8" DIA. MAX. SPRING PRESSURE 350 LBS.						
	Continued on Next Page								

Line	.				
	Part Title				
5					
No. 5 5	Chrome Moly Push Rods	501004	1982-1987 EXC. ROLLER 5/16" DIA. STANDARD LENGTH - HEAT TREATED FOR GUIDEPLATES (ONE PIECE CONSTRUCTION) MAX. SPRING PRESSURE 500 LBS.		
		501024	1982-1987 EXC. ROLLER 5/16" DIA. + .150 O/S LENGTH - HEAT TREATED FOR GUIDE PLATES. (ONE PIECE CONSTRUCTION)		
		CONSTRUCTION) MAX. SPRING PRESSURE 505010241982-1987 EXC. ROLLER 5/16" DIA. + .150 O/S L HEAT TREATED FOR GUIDE PLATES. (ONE PIE CONSTRUCTION)5010341982-1987 EXC. ROLLER 5/16" DIA. + .200 O/S L HEAT TREATED FOR GUIDE PLATES. (ONE PIE CONSTRUCTION)MGP10041982-1987 5/16" THICK-MUST BE USED WITH SCREW-IN ROCKER ARM STUDS. (FLAT)MGP10141982-1987 3/8" THICK-MUST BE USED WITH SC ROCKER ARM STUDS. (FLAT)MGP10241982-1987 3/8" THICK- MUST BE USED WITH SC ROCKER ARM STUDS. (FLAT)MGP10341982-1987 5/16" THICK-MUST BE USED WITH SC ROCKER ARM STUDS. (RAISED)MGP10341982-1987 5/16" THICK-MUST BE USED WITH SCREW-IN ROCKER ARM STUDS. (RAISED)484001984-1987 NOISY - INCLUDES 8620 CARBURIZE GEARS, ROLLER CAM BUTTON, LOCK PLATE A BOLTS. TIMING ADJUSTED WITH 5 OPTIONAL C CODED DOWEL PIN HOLE INSERTS. RECOMMI 			
	Guide Plates	MGP1004	1982-1987 5/16" THICK-MUST BE USED WITH		
		MGP1014			
			· · · · · ·		
			SCREW-IN ROCKER ARM STUDS. (RAISED)		
	Gear Drive Set	48400	GEARS, ROLLER CAM BUTTON, LOCK PLATE AND BOLTS. TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODED DOWEL PIN HOLE INSERTS. RECOMMENDED FOR STREET AND STRIP, CLAIMER AND RACING ENGINES TO 6,500 RPM		
		48400Q1984-1987 QUIET - INCLUDES 8620 CAF GEARS, ROLLER CAM BUTTON, LOCK BOLTS. TIMING ADJUSTED WITH 5 OPT CODED DOWEL PIN HOLE INSERTS. RI FOR STREET AND STRIP, CLAIMER AN			
	3pc Set	40201	1982-1987 EXCLUDING STOCK ROLLER CAM ENGINES INCLUDES DOUBLE ROLLER CHAIN, CAST IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET.		
		40400			
		40500	1982-1987 EXCLUDING STOCK ROLLER CAM ENGINES INCLUDES SINGLE SEAMLESS SOLID ROLLER CHAIN (.335" ROLLER), CAST IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET.		
48500T-9 RECOMME TRACK, HC SEAMLESS BILLET STE SPROCKET			RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES. INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS FIT ROLLER THRUST BEARINGS.		
		48500W-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES. INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZE WASHER		
	Continued on Next Page				

Line							
No.	Part Title	Part No.	Description				
5	5.0 (305) ENG - 1977-87 - 8 Cy	l 3.736 Bore Cl	HEVROLET ENG.				
	3pc Set	40520	1982-1987 EXCLUDING STOCK ROLLER CAM ENGINES.				
	•		RACING APPLICATIONS ONLY. INCLUDES 3/8" HY-VO				
			TEC CHAIN, CAM SPROCKET WITH LIGHTENING				
			HOLES & 9-MULTIPLE KEYWAY CRANK SPROCKET				
	Oil Pump	M-99HV-S	1982-1987 HI VOL PUMP- MORE VOL AND PRESSURE				
	·		THAN STOCK PUMP. INCLUDES SCREEN. CHECK FOR				
			PAN AND CRANK CLEARANCE.				
		10050-700CT	1982-1987 (MELLING PATENT 5,810,571) HI VOLUME				
			25%. MULTIPLE PRESSURE SETTINGS. ALUMINUM				
			BILLET. HEAVY DUTY SHAFT SUPPORT AND				
			PROTECTIVE COATINGS. SCREW IN VALVE. OFFSET				
			SCREEN FOR 7." PAN INTEGRATED INTO PUMP BODY.				
			INCLUDES OPTIONAL RELIEF SPRINGS, STUD				
			MOUNTING KIT AND CHROME MOLY I/S SHAFT. CIRCLE				
			TRACK RACING. CHECK FOR PAN AND CRANK				
		10050-750SS					
			MOUNTING KIT AND CHROME MOLY I/S SHAFT. STREET AND STRIP. CHECK FOR PAN AND CRANK				
			CLEARANCE.				
		10050-825SS	1982-1987 (MELLING PATENT 5,810,571) HI VOLUME				
		10000 02000	25%. MULTIPLE PRESSURE SETTINGS. ALUMINUM				
			BILLET. HEAVY DUTY SHAFT SUPPORT AND				
			PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN				
			FOR 8.25" PAN INTEGRATED INTO PUMP BODY.				
			INCLUDES OPTIONAL RELIEF SPRINGS, STUD				
			MOUNTING KIT AND CHROME MOLY I/S SHAFT.				
			STREET AND STRIP. CHECK FOR PAN AND CRANK				
			CLEARANCE.				
		10055-700CT	1982-1987 (MELLING PATENT 5,810,571) STANDARD				
			VOLUME. MULTIPLE PRESSURE SETTINGS. ALUMINUM				
			BILLET. HEAVY DUTY SHAFT SUPPORT AND				
			PROTECTIVE COATINGS. SCREW IN VALVE. OFFSET				
			SCREEN FOR 7." PAN INTEGRATED INTO PUMP BODY.				
			INCLUDES OPTIONAL RELIEF SPRINGS, STUD				
			MOUNTING KIT AND CHROME MOLY I/S SHAFT. CIRCLE				
		40055 75000	TRACK RACING.				
		10055-750SS	1982-1987 (MELLING PATENT 5,810,571) STANDARD				
			VOLUME. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND				
			PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN				
			FOR 8.25" PAN INTEGRATED INTO PUMP BODY.				
			INCLUDES OPTIONAL RELIEF SPRINGS, STUD				
			MOUNTING KIT AND CHROME MOLY I/S SHAFT.				
			STREET AND STRIP.				
	Continued on Next Page						

Line No.	Part Title	Part No.	Description
5	5.0 (305) ENG - 1977-87 - 8 Cyl	•	
	Oil Pump	10055-825SS	1982-1987 (MELLING PATENT 5,810,571) STANDARD VOLUME. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 7.5" PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME MOLY I/S SHAFT.
		10550	STREET AND STRIP. 1982-1987 HI VOLUME PUMP (25% ADDL VOL OF OIL) - FEATURES: STEEL GEARS; INCLUDES I/S SHAFT W/ STEEL GUIDE. USES 5/8" DIAMETER SCREEN. CHECK FOR PAN AND CRANK CLEARANCE.
		10551	1982-1987 HI VOLUME PUMP (25% ADDL VOL OF OIL) - FEATURES: STEEL GEARS; INCLUDES I/S SHAFT W/ STEEL GUIDE. USES 3/4" DIAMETER SCREEN. CHECK FOR PAN AND CRANK CLEARANCE.
		10552	1982-1987 (MELLING PATENT 5,810,571) HI VOLUME PUMP (10% ADDL VOL OF OIL) - FEATURES: STEEL GEARS; SHAFTS EXTENDED INTO COVER FOR SUPPORT. RELIEF VALVE SPRING HAS SCREW IN PLUG. INCLUDES [12550] CHROME MOLY INTERMEDIATE SHAFT WITH STEEL GUIDE. EITHER A BOLT ON OR PRESS IN SCREEN CAN BE USED WITH THIS PUMP. CHECK FOR PAN AND CRANK CLEARANCE.
		10552C	1982-1987 RACING APPLICATIONS ONLY. (MELLING PATENT 5,810,571) HI VOLUME PUMP (10% ADDL VOL OF OIL) FEATURES: STEEL GEARS; SHAFTS EXTENDED INTO COVER FOR SUPPORT. REFIEF VALVE SPRING HAS SCREW IN PLUG. INCLUDES [12550] CHROME MOLY INTERMEDIATE SHAFT WITH STEEL GUIDE. HAS ANTI-CAVITATION GROOVES. EITHER A BOLT ON OR PRESS IN SCREEN CAN BE USED WITH THIS PUMP. CHECK FOR PAN AND CRANK CLEARANCE.
		10553	1982-1987 FEATURES STEEL GEARS; STANDARD VOLUME VERSION OF THE 10550 PUMP.
		10554	1982-1987 FEATURES STEEL GEARS; STANDARD VOLUME VERSION OF THE 10551 PUMP.
	Continued on Next Page	10555	1982-1987 (MELLING PATENT 5,810,571) HI VOLUME PUMP (25% ADDL VOL OF OIL) FEATURES: STEEL GEARS; SHAFTS EXTENDED INTO COVER FOR SUPPORT. RELIEF VALVE SPRING HAS SCREW IN PLUG. INCLUDES [12550] CHROME MOLY INTERMEDIATE SHAFT WITH STEEL GUIDE. EITHER A BOLT ON OR PRESS IN SCREEN CAN BE USED WITH THIS PUMP. CHECK FOR PAN AND CRANK CLEARANCE.

Line No.	Part Title	Part No.	Description					
5	5.0 (305) ENG - 1977-87 - 8 Cyl							
	Oil Pump	10555C	1982-1987 RACING APPLICATIONS ONLY. (MELLING					
	On Famp	105550	PATENT 5,810,571) HI VOLUME PUMP (25% ADDL VOL					
			OF OIL) FEATURES: STEEL GEARS; SHAFTS					
			EXTENDED INTO COVER FOR SUPPORT. RELIEF					
			VALVE SPRING HAS SCREW IN PLUG. INCLUDES					
			[12550] CHROME MOLY INTERMEDIATE SHAFT WITH					
			STEEL GUIDE. HAS ANTI-CAVITATION GROOVES.					
			EITHER A BOLT ON OR PRESS IN SCREEN CAN BE					
			USED WITH THIS PUMP. CHECK FOR PAN AND CRANK					
			CLEARANCE.					
		10990	1982-1987 (MELLING PATENT 5,810,571) HI VOLUME					
			PUMP (25% ADDL VOLUME) FEATURES: SHAFTS					
			EXTENDED INTO COVER FOR SUPPORT. RELIEF					
			VALVE HAS SCREW IN PLUG. INCLUDES [12550]					
			CHROME MOLY INTERMEDIATE SHAFT WITH STEEL					
			GUIDE. INCLUDES STOCK SPRING. CHECK FOR PAN AND CRANK CLEARANCE. 1982-1987 RACING APPLICATIONS ONLY. (MELLING PATENT 5,810,571) HI VOLUME PUMP (25% ADDL VO					
			GUIDE. INCLUDES STOCK SPRING. CHECK FOR PAN					
		10990C						
			PATENT 5,810,571) HI VOLUME PUMP (25% ADDL VOL					
			OF OIL) FEATURES: SHAFTS EXTENDED INTO COVER					
			FOR SUPPORT. RELIEF VALVE HAS SCREW IN PLUG.					
			INCLUDES [12550] CHROME MOLY INTERMEDIATE					
			SHAFT WITH STEEL GUIDE. HAS ANTI-CAVITATION					
			GROOVES. CHECK FOR PAN AND CRANK CLEARANCE.					
	Oil Pump Screen	12557	1982-1987 BOLT ON SCREEN. USE W/7" DEEP STOCK					
			TYPE PAN. NOTE: CLEARANCE BETWEEN THE BOLTS					
			AND HOLES ALLOWS 3/16 TO 1/4" ADJUSTMENT UP OR					
			DOWN TO CUSTOM FIT YOUR APPLICATION. BOLT ON					
			SCREEN FOR 10555 PUMP.					
		12558	1982-1987 BOLT ON SCREEN. USE WITH 7 1/2" DEEP					
			STOCK TYPE PAN. NOTE: CLEARANCE BETWEEN THE					
			BOLTS AND HOLES ALLOWS 3/16 TO 1/4" ADJUSTMENT					
		10000	UP OR DOWN TO CUSTOM FIT YOUR APPLICATION.					
		12559	1982-1987 BOLT ON SCREEN. USE WITH 8" DEEP					
			STOCK TYPE PAN. NOTE: CLEARANCE BETWEEN THE					
			BOLTS AND HOLES ALLOWS 3/16 TO 1/4" ADJUSTMENT					
		12564	UP OR DOWN TO CUSTOM FIT YOUR APPLICATION. 1982-1987 BOLT ON SCREEN. USE WITH 7" DEEP OVAL					
		12504	TRACK PAN, NOTE: MESH IS TO THE RIGHT, NOTE:					
			CLEARANCE BETWEEN THE BOLTS AND THE HOLES					
			ALLOWS 3/16" TO 1/4" ADJUSTMENT UP OR DOWN TO					
			CUSTOM FIT YOUR APPLICATION.					
		12566	1982-1987 BOLT ON SCREEN. USE WITH 7 1/2" DEEP					
		12000	OVAL TRACK PAN, NOTE: MESH IS TO THE RIGHT.					
			NOTE: CLEARANCE BETWEEN THE BOLTS AND THE					
			HOLES ALLOWS 3/16" TO 1/4" ADJUSTMENT UP OR					
			DOWN TO CUSTOM FIT YOUR APPLICATION.					
	Oil Pump Drive Shaft	12550	1982-1987 PERFORMANCE TYPE INTERMEDIATE					
	-		SHAFT. HIGH STRENGTH (150,000 PSI) CHROME MOLY					
			STEEL. IMPROVED SHAFT RETAINER WHICH LOCKS					
			ONTO THE OIL PUMP DRIVE SHAFT					

lo.	Part Title	Part No.			Description			
6	5.0 (307) ENG - 1971-72 - 8 Cyl	3 7/8 Bore			•			
	Mell Lube	M-10012	PLATES W	SSEMBLY A /EAR SURF/ .ING DURIN(ER.	ACES TO PF	REVENT SCO	ORING	
	3pc Set	48500T-9	TRACK, HOT ROD AND CLAIMER EN SEAMLESS DOUBLE ROLLER CHAIN BILLET STEEL CAM SPROCKET & 9 F SPROCKET WITH +4°/-4° CAM ADJUS FIT ROLLER THRUST BEARINGS.			ENGINES. I AIN (.250" R 9 KEYWAY JUSTMENT.	NGINES. INCLUDES N (.250" ROLLER), KEYWAY CRANK JSTMENT. PRESS	
		48500W-9	TRACK, H SEAMLES BILLET ST	ENDED FOR OT ROD AN S DOUBLE F EEL CAM S T WITH +4%	D CLAIMER ROLLER CH PROCKET &	ENGINES. I AIN (.250" R 9 KEYWAY	NCLUDES OLLER), CRANK	
7	326 ENG - 1963-73 - 8 Cyl 3.7	19 Bore (FIREB	IRD, GTO,	LEMANS,	SAFARI, TI	EMPEST)		
	Torque Camshaft		Degrees .050" dur Int. Exh.	Degrees ADV. Dur Int. Exh.	Inches Valve lift Int. Exh.	Degrees Lobe cntr. Int. Exh.	Degrees Separation	
	HYD. IMPROVES LOW-MID. PERF. CHECK FOR COIL BIND. USE [VS-310] INNER SPRING W/ INSTALLED HGT. OF 1.57 & [VS-450] OUTER SPRING W/ INSTALLED HGT. OF 1.59. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1200-4700.	MTP-1	204 214	278 288	.421 .443	108 116	112	
	Camshafts Using Hydraulic Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation	
	DURATION AT .50 INT. 214 CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5200.	26204	Int. Exh. 214 224	Int. Exh. 288 298	Int. Exh. .443 .466	Int. Exh. 108 116	112	
	DURATION AT .50 INT. 224 CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3200-6700.	26303	224 236	298 310	.407 .407	112 119	115	
	DURATION AT .50 INT. 231 CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2650-6200. Continued on Next Page	26308	231 240	304 316	.470 .470	112 115	113	

	1	1	1	PERFOR	MANCE - F	ONTIAC (Continued	
.ine No.	Part Title	Part No.			Description			
7	-		BIRD, GTO, LEMANS, SAFARI, TEMPEST)					
	Mell Lube	M-10012	ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 40Z CONTAINER.					
	Torque Cam Lifter Kit	CL-MTP-1	CLASSIH	YD. NOT CO	MPUTER C	OMPATIBLE		
			EXH. NOT 1-[MTP-1] CHECK FC INSTALLE	CALIFORNI CAM, 16-[JB DR COIL BIN	PERF. CAM A COMPLIAI -951] LIFTEF ID. USE [VS- 1.57 & [VS-4 1.59.	NT. KIT INC RS & 4OZ M 310] INNER	LUDES ELL LUBE. SPRING V	
	Hydraulic Flat Tappet Lifters	299514						
	Valve Locks	476104						
	Valve Spring with Hydraulic Lifters	VS-310	(MACHINI	NG MAY BE	SHAFT; INNE REQUIRED)			
		VS-450	(MACHINI	NG MAY BE	SHAFT; OUT REQUIRED)			
	Valve Spring Retainers	475054	CHROME	MOLY				
	Rocker Arms	498464						
	Chrome Moly Push Rods	500574	HEAT TRE	ATED MAX.	SPRING PR	ESSURE 35	50 LBS.	
	3pc Set	40408	INCLUDES SEAMLESS SOLID ROLLER CHAIN, CAST IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET STANDARD VOLUME. STANDARD PRESSURE. STANDARD SHAFT SUPPORT. PROTECTIVE COATING SCREW IN VALVE. INCLUDES 3/4" DIAMETER SCREEN STANDARD VOLUME. HIGH PRESSURE 30%. STANDARD SHAFT SUPPORT. PROTECTIVE COATING SCREW IN VALVE. INCLUDES 3/4" DIAMETER SCREEN					
	Oil Pump	10540						
		10541						
8	350 ENG - 1968-76 - 8 Cyl 3.8	375 Bore						
	Torque Camshaft		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separatio	
	HYD. IMPROVES LOW-MID. PERF. CHECK FOR COIL BIND. USE [VS-310] INNER SPRING W/ INSTALLED HGT. OF 1.57 & [VS-450] OUTER SPRING W/ INSTALLED HGT. OF 1.59. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1200-4700.	MTP-1	Int. Exh. 204 214	Int. Exh. 278 288	Int. Exh. .421 .443	Int. Exh. 108 116	112	
	Camshafts Using Hydraulic Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separatio	
	DURATION AT .50 INT. 214 CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5200.	26204	Int. Exh. 214 224	Int. Exh. 288 298	Int. Exh. .443 .466	Int. Exh. 108 116	112	
	Continued on Next Page		1				1	

Line No.	Part Title	Part No.			Description			
8	350 ENG - 1968-76 - 8 Cyl 3.8	75 Bore	1					
	Camshafts Using Hydraulic Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation	
	DURATION AT .50 INT. 224 CLASS III. NOT CALIFORNIA	26303	Int. Exh. 224 236	Int. Exh. 298 310	Int. Exh. .407 .407	Int. Exh. 112 119	115	
	COMPLIANT. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3200-6700.							
	DURATION AT .50 INT. 231 CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2650-6200.	26308	231 240	304 316	.470 .470	112 115	113	
	Mell Lube	M-10012	PLATES W	IN LUBRICA EVENT SCO TART UP. 4	T SCORING			
	Torque Cam Lifter Kit	CL-MTP-1	CLASS I HYD. NOT COMPUTER COMPATI IMPROVES LOW-MID PERF. CAM LIFT .28 EXH. NOT CALIFORNIA COMPLIANT. KIT 1-[MTP-1] CAM, 16-[JB-951] LIFTERS & 40 CHECK FOR COIL BIND. USE [VS-310] INN INSTALLED HGT. OF 1.57 & [VS-450] OUT INSTALLED HGT. OF 1.59.				INT295 CLUDES MELL LUBE. R SPRING W/	
	Hydraulic Flat Tappet Lifters	299514						
	Valve Locks	476104						
	Valve Spring with Hydraulic	VS-310	-	-	SHAFT; INNE			
	Lifters				REQUIRED)			
		VS-450	(MACHINII	NG MAY BE	SHAFT; OUT REQUIRED)			
	Valve Spring Retainers	475054	CHROME	MOLY				
	Rocker Arms	498464						
	Chrome Moly Push Rods 3pc Set	500274 40408	INCLUDES	RESSURE 38 LLER CHAIN LE KEYWAY	I, CAST			
	Oil Pump	10540	HI PRESSURE PUMP - INCLUDES SCREE VOLUME. STANDARD PRESSURE. STAND SUPPORT. PROTECTIVE COATING. SCRE INCLUDES 3/4" DIAMETER SCREEN.				D SHAFT N VALVE.	
		10541	INCLUDES 3/4" DIAMETER SCREEN. HI PRESSURE PUMP (30% MORE PRESSURE THAN 10540) INCLUDES SCREEN STANDARD VOLUME. HI PRESSURE 30%. STANDARD SHAFT SUPPORT. PROTECTIVE COATING. SCREW IN VALVE. INCLUDE 4" DIAMETER SCREEN.					

Line No.	Part Title	Part No.			Description		
9	350-P ENG - 1977 - 8 Cyl 3.87	75 Bore					
	Torque Camshaft		Degrees	Degrees	Inches	Degrees	Degrees
			.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	HYD. IMPROVES LOW-MID.	MTP-1	204 214	278 288	.421 .443	108 116	112
	PERF. CHECK FOR COIL BIND.						
	USE [VS-310] INNER SPRING W/						
	INSTALLED HGT. OF 1.57 &						
	[VS-450] OUTER SPRING W/ INSTALLED HGT. OF 1.59.						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1200-4700.						
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	DURATION AT .50 INT. 214	26204	214 224	288 298	.443 .466	108 116	112
	CLASS II. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1700-5200. DURATION AT .50 INT. 224	26303	224 236	298 310	.407 .407	112 119	115
	CLASS III. NOT CALIFORNIA	20303	224 200	230 310	.407 .407	112 113	115
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	3200-6700.						
	DURATION AT .50 INT. 231	26308	231 240	304 316	.470 .470	112 115	113
	CLASS III. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE 2650-6200.						
	Mell Lube	M-10012	ENGINE A	SSEMBLY A	ND BREAK-	IN LUBRICA	NT
					ACES TO PR		
					G ENGINE S		
			CONTAINE	ER.			
	Torque Cam Lifter Kit	CL-MTP-1			MPUTER C	-	
					PERF. CAM		
				· •	-951] LIFTER		SPRING W/
					1.57 & [VS-45		
				D HGT. OF 1			
	Hydraulic Flat Tappet Lifters	299514					
	Valve Locks	476104					
	Valve Spring with Hydraulic	VS-310	-	-			
	Lifters	VS-450			REQUIRED) HAFT; OUTI		
		v 3-43U	-	-	REQUIRED)		
	Valve Spring Retainers	475054	CHROME				
	Rocker Arms	498464					
	Chrome Moly Push Rods	500274	HEAT TRE	ATED MAX.	SPRING PR	ESSURE 35	50 LBS.
	Continued on Next Page						

Line No. Part No. Description Part Title 350-P ENG - 1977 - 8 Cyl. - 3.875 Bore 9 INCLUDES SEAMLESS SOLID ROLLER CHAIN, CAST 3pc Set 40408 **IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK** SPROCKET **Oil Pump** 10540 HI PRESSURE PUMP - INCLUDES SCREEN STANDARD VOLUME. STANDARD PRESSURE. STANDARD SHAFT SUPPORT. PROTECTIVE COATING. SCREW IN VALVE. INCLUDES 3/4" DIAMETER SCREEN. 10541 HI PRESSURE PUMP (30% MORE PRESSURE THAN 10540) INCLUDES SCREEN STANDARD VOLUME. HIGH PRESSURE 30%. STANDARD SHAFT SUPPORT. PROTECTIVE COATING. SCREW IN VALVE. INCLUDES 3/ 4" DIAMETER SCREEN. 5.7-L (350) ENG - 1977-79 - 8 Cyl. - 3.875 Bore 10 M-10012 ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. Mell Lube PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 40Z CONTAINER. 3pc Set 48500T-9 RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES. INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), **BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK** SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS FIT ROLLER THRUST BEARINGS. 48500W-9 RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES. INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPBOCKET WITH +4°/-4° CAM ADJUSTMENT, BBONZE WASHER 5.7-G (350) OHV ENG - 1998-02 - 8 Cyl. - 3.90 Bore LS1 **Camshafts Using Hydraulic** Degrees Inches Dearees Dearees Degrees **Roller Lifters** .050" dur ADV. Dur Valve lift Lobe cntr. Separation Int. Exh. Int. Exh. Int. Exh. Int. Exh. 22201 223 223 291 291 .566 .566 110 118 CLASS II. NOT CALIFORNIA 114 COMPLIANT. NOT COMPUTER COMPATABLE. POWER RANGE 2000-5000. ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. Mell Lube M-10012 PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 40Z CONTAINER. **Valve Spring Retainers** 475234 CHROME MOLY Oil Pump 10295 STANDARD VOLUME. HI PRESSURE 10%. PROTECTIVE COATING. SCREW IN VALVE. USES 7/8" BOLT ON SCREEN. 10296 HI VOLUME 18%. PROTECTIVE COATING. SCREW IN VALVE. USES 7/8" BOLT ON SCREEN. INCLUDES OPTIONAL HI PRESSURE SPRING. CHECK FOR PAN AND CRANK CLEARANCE.

Line		_					
No.		Part No.			Description		
12	6.0-U (364) OHV ENG - 2005-09	-					
	Mell Lube	M-10012		ENGINE AS			
				AND GALLI			
			40Z CONT			ENGINE 51	ANT UP.
-		M-10012		ENGINE AS			IN
		IVI-10012		IT. PLATES			
				AND GALLI			
			40Z CONT				
-	Oil Pump	10295		GTO STAN	DARD VOLU	ME. HI PRE	SSURE
			10%. PRO	TECTIVE CO	DATING. SCI	REW IN VAL	VE. USES
			7/8" BOLT	ON SCREEP	N.		
		10296	2005-2006	GTO HI VO	LUME 18%.	PROTECTIV	Έ
				SCREW IN			
			SCREEN.	INCLUDES (OPTIONAL H	II PRESSUR	E SPRING.
				OR PAN AND			
		10355		G8 HI VOLU	•		
			,	III APPLICAT			
				IONS. FEAT			
				ST IRON PH			-
				BLE PRESSU			NG.
			CHECK FOR PAN AND CRANK CLEARANCE.				
13	389 ENG - 1959-66 - 8 Cyl 4.0	62 Bore	1				
	Torque Camshaft		Degrees	Degrees	Inches	Degrees	Degrees
			.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	HYD. IMPROVES LOW-MID.	MTP-1	204 214	278 288	.421 .443	108 116	112
	PERF. CHECK FOR COIL BIND. USE [VS-310] INNER SPRING W/						
	INSTALLED HGT. OF 1.57 &						
	[VS-450] OUTER SPRING W/						
	INSTALLED HGT. OF 1.59.						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1200-4700.						
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	DURATION AT .50 INT. 214	26204	214 224	288 298	.443 .466	108 116	112
	CLASS II. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1700-5200.						
	DURATION AT .50 INTAKE 224	26303	224 236	298 310	.407 .407	112 119	115
	CLASS III. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE 3200-6700.						
	3200-6700. DURATION AT .50 INT. 231	26308	231 240	304 316	.470 .470	112 115	113
	CLASS III. NOT CALIFORNIA	20300	231 240	304 310	.470 .470	112 113	113
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2650-6200.						
	Continued on Next Page						

Line	•	(()						
No.	Part Title	Part No.			Description			
13	389 ENG - 1959-66 - 8 Cyl 4.0	62 Bore						
	Mell Lube	M-10012	PLATES W	SSEMBLY A /EAR SURF/ .ING DURING ER.	ACES TO PF	REVENT SCO	ORING	
	Torque Cam Lifter Kit	CL-MTP-1	IMPROVES EXH. NOT 1-[MTP-1] CHECK FC INSTALLE	YD. NOT CC S LOW-MID I CALIFORNI. CAM, 16-[JB DR COIL BIN D HGT. OF 1 D HGT. OF 1	PERF. CAM A COMPLIAI -951] LIFTEF D. USE [VS- 1.57 & [VS-4	LIFT .280 IN NT. KIT INCI RS & 40Z M 310] INNER	IT295 LUDES ELL LUBE. SPRING W/	
	Hydraulic Flat Tappet Lifters	299514						
	Valve Locks	476104						
	Valve Spring with Hydraulic	VS-310	-	ITP-1] CAMS				
	Lifters	VC 450	(MACHINING MAY BE REQUIRED) USE W/ [MTP-1] CAMSHAFT; OUTER SPRING					
		VS-450	-	NG MAY BE				
	Valve Spring Retainers	475054	CHROME		neQuineD)			
	Rocker Arms	498464						
	Chrome Moly Push Rods	500574	HEAT TRE	ATED MAX.	SPRING PR	ESSURE 35	0 L BS	
	3pc Set	40408		SEAMLESS				
	Oil Pump	10540	IRON CAN SPROCKE HI PRESS	I SPROCKE ⁻ T URE PUMP -	ET & MULTIPLE KEYWAY CRANK P - INCLUDES SCREEN STANDARD			
			SUPPORT INCLUDES	STANDARD . PROTECTI S 3/4" DIAME	VE COATIN	G. SCREW I EN.	N VALVE.	
		10541	10540) INC PRESSUR PROTECT	URE PUMP (CLUDES SCF E 30%. STA IVE COATIN ER SCREEM	REEN STAN NDARD SHA G. SCREW I	DARD VOLU	JME. HIGH	
14	400 ENG - 1967-69 - 8 Cyl 4.1	20 Bore						
	Torque Camshaft		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr. Int. Exh.	Degrees Separation	
	HYD. IMPROVES LOW-MID. PERF. CHECK FOR COIL BIND. USE [VS-310] INNER SPRING W/ INSTALLED HGT. OF 1.57 & [VS-450] OUTER SPRING W/ INSTALLED HGT. OF 1.59. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1200-4700. Continued on Next Page	MTP-1	Int. Exh. 204 214	Int. Exh. 278 288	Int. Exh. .421 .443	108 116	112	

Line						•			
No.	Part Title	Part No.			Description				
14	400 ENG - 1967-69 - 8 Cyl 4.	120 Bore		1					
	Camshafts Using Hydraulic Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation		
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.			
	DURATION AT .50 INTAKE 214 CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5200.	26204	214 224	288 298	.443 .466	108 116	112		
	DURATION AT .50 INTAKE 224 CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3200-6700.	26303	224 236	298 310	.407 .407	112 119	115		
	DURATION AT .50 INTAKE 231 CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2650-6200.	26308	231 240	304 316	.470 .470	112 115	113		
	Mell Lube	M-10012	PLATES W AND GALL	ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 40Z CONTAINER.					
	Torque Cam Lifter Kit	CL-MTP-1	CLASS I HYD. NOT COMPUTER COMPATIBLE. IMPROVES LOW-MID PERF. CAM LIFT .280 INT295 EXH. NOT CALIFORNIA COMPLIANT. KIT INCLUDES 1-[MTP-1] CAM, 16-[JB-951] LIFTERS & 4OZ MELL LUBE. CHECK FOR COIL BIND. USE [VS-310] INNER SPRING W/ INSTALLED HGT. OF 1.57 & [VS-450] OUTER SPRING W/ INSTALLED HGT. OF 1.59.						
	Hydraulic Flat Tappet Lifters	299514							
	Valve Locks	476104							
	Valve Spring with Hydraulic	VS-310	USE W/ IM	ITP-11 CAMS	SHAFT; INNE	B SPRING			
	Lifters		-	-	REQUIRED)				
		VS-450	USE W/ [N (MACHINII	ITP-1] CAMS NG MAY BE	SHAFT; OUT REQUIRED)	ER SPRING			
	Valve Spring Retainers	475054	CHROME	MOLY					
	Rocker Arms	498464							
	Chrome Moly Push Rods	500274 500574	1967-1967 GUIDE PL	WITH 1ST	NG PRESSU TYPE CYL HI TREATED M	EAD WITH F	PUSH ROD		
	3pc Set	40408	IRON CAN SPROCKE	INCLUDES SEAMLESS SOLID ROLLER CHAIN, CAST IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET					
	Oil Pump	10540	VOLUME. SUPPORT	HI PRESSURE PUMP - INCLUDES SCREEN STANDARD VOLUME. STANDARD PRESSURE. STANDARD SHAFT SUPPORT. PROTECTIVE COATING. SCREW IN VALVE. INCLUDES 3/4" DIAMETER SCREEN.					
		10541	10540) INC PRESSUR PROTECT	CLUDES SCI E 30%. STA		DARD VOLU	JME. HIGH		

Part Title	Part No.			Description			
421 ENG - 1963-66 - 8 Cyl 4.0				•			
Torque Camshaft		Degrees	Degrees	Inches	Degrees	Degrees	
		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation	
		Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.		
HYD. IMPROVES LOW-MID.	MTP-1	204 214	278 288	.421 .443	108 116	112	
PERF. CHECK FOR COIL BIND.							
USE [VS-310] INNER SPRING W/							
INSTALLED HGT. OF 1.57 &							
[VS-450] OUTER SPRING W/							
INSTALLED HGT. OF 1.59.							
CLASS I. NOT CALIFORNIA							
COMPLIANT. NOT COMPUTER							
COMPATIBLE. POWER RANGE							
1200-4700.							
Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees	
Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation	
		Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.		
DURATION AT .50 INTAKE 214	26204	214 224	288 298	.443 .466	108 116	112	
CLASS II. NOT CALIFORNIA							
COMPLIANT. NOT COMPUTER							
COMPATIBLE. POWER RANGE							
1700-5200.				407 407			
DURATION AT .50 INTAKE 224	26303	224 236	298 310	.407 .407	112 119	115	
CLASS III. NOT CALIFORNIA							
COMPLIANT. NOT COMPUTER							
COMPATIBLE. POWER RANGE 3200-6700.							
DURATION AT .50 INT. 231	26308	231 240	304 316	.470 .470	112 115	113	
CLASS III. NOT CALIFORNIA		201 210			112 110		
COMPLIANT. NOT COMPUTER							
COMPATIBLE. POWER RANGE							
2650-6200.							
Mell Lube	M-10012	ENGINE A	SSEMBLY A	ND BREAK-	IN LUBRICA	NT.	
		PLATES WEAR SURFACES TO PREVENT SCORING					
				G ENGINE S	TART UP. 4	OZ	
		CONTAINE				_	
Torque Cam Lifter Kit	CL-MTP-1		YD. NOT CO				
			S LOW-MID				
			CALIFORNI CAM, 16-[JB				
			OR COIL BIN	-			
			D HGT. OF 1	-	-		
			D HGT. OF 1	-			
Hydraulic Flat Tappet Lifters	299514						
Valve Locks	476104						
Valve Spring with Hydraulic	VS-310	USE W/ [N	ITP-1] CMAS	SHAFT; INNE	R SPRING		
Lifters			NG MAY BE	,			
	VS-450	-	ITP-1] CAMS				
			NG MAY BE	REQUIRED)			
Valve Spring Retainers	475054	CHROME	MOLY				
Rocker Arms Chrome Moly Push Rods	498464		ATED MAX.				
	500574					MILES.	

Line	PERFORMANCE - PONTIAC (Continued)						
No.	Part Title	Part No.	Description				
15	421 ENG - 1963-66 - 8 Cyl 4.093 Bore						
	3pc Set	40408	INCLUDES SEAMLESS SOLID ROLLER CHAIN, CAST IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET				
	Oil Pump	10540	HI PRESSURE PUMP - INCLUDES SCREEN STANDARD VOLUME. STANDARD PRESSURE. STANDARD SHAFT SUPPORT. PROTECTIVE COATING. SCREW IN VALVE. INCLUDES 3/4" DIAMETER SCREEN. HI PRESSURE PUMP (30% MORE PRESSURE THAN 10540) INCLUDES SCREEN STANDARD VOLUME. HIGH PRESSURE 30%. STANDARD SHAFT SUPPORT. PROTECTIVE COATING. SCREW IN VALVE. INCLUDES 3/ 4" DIAMETER SCREEN.				
10		10541					
16	428 ENG - 1967-69 - 8 Cyl 4.1	20 Bore	1				
	Torque Camshaft		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
	HYD. IMPROVES LOW-MID. PERF. CHECK FOR COIL BIND. USE [VS-310] INNER SPRING W/ INSTALLED HGT. OF 1.57 &	MTP-1	Int. Exh. 204 214	Int. Exh. 278 288	Int. Exh. .421 .443	Int. Exh. 108 116	112
	[VS-450] OUTER SPRING W/ INSTALLED HGT. OF 1.59. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1200-4700.						
	Camshafts Using Hydraulic Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
	DURATION AT .50 INTAKE 214 CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5200.	26204	Int. Exh. 214 224	Int. Exh. 288 298	Int. Exh. .443 .466	Int. Exh. 108 116	112
	DURATION AT .50 INTAKE 224 CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3200-6700.	26303	224 236	298 310	.407 .407	112 119	115
	DURATION AT .50 INT. 231 CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2650-6200.	26308	231 240	304 316	.470 .470	112 115	113
	Mell Lube	M-10012	ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 40Z CONTAINER.				
	Continued on Next Page						

PERFORMANCE - PONTIAC (Continued)

Line		/						
No.	Part Title	Part No.			Description			
16	428 ENG - 1967-69 - 8 Cyl 4.1	20 Bore						
	Torque Cam Lifter Kit	CL-MTP-1	IMPROVES EXH. NOT 1-[MTP-1] CHECK FC INSTALLE	YD. NOT CC S LOW-MID CALIFORNI CAM, 16-[JB DR COIL BIN D HGT. OF 1 D HGT. OF 1	PERF. CAM A COMPLIAI -951] LIFTEF D. USE [VS- I.57 & [VS-4	LIFT .280 IN NT. KIT INC RS & 40Z M 310] INNER	IT295 LUDES ELL LUBE. SPRING W/	
	Hydraulic Flat Tappet Lifters	299514	INGTALLL					
	Valve Locks	476104						
	Valve Spring with Hydraulic	VS-310	USE W/ [M	ITP-1] CAMS	HAFT; INNE	RSPRING		
	Lifters		(MACHINI	NG MAY BE	REQUIRED)			
		VS-450	(MACHINI	ITP-1] CAMS NG MAY BE				
	Valve Spring Retainers	475054	CHROME MOLY					
	Rocker Arms	498464	HEAT TREATED MAX. SPRING PRESSURE 350 L					
	Chrome Moly Push Rods	500574						
	3pc Set	40408	INCLUDES SEAMLESS SOLID ROLLER CHAIN, CAS IRON CAM SPROCKET & MULTIPLE KEYWAY CRAN SPROCKET HI PRESSURE PUMP - INCLUDES SCREEN STANDA VOLUME. STANDARD PRESSURE. STANDARD SHA SUPPORT. PROTECTIVE COATING. SCREW IN VAL INCLUDES 3/4" DIAMETER SCREEN.					
	Oil Pump	10540						
17	455 ENG - 1970-76 - 8 Cyl 4.1	10541 51 Bore	HI PRESSURE PUMP (30% MORE PRESSURE THA 10540) INCLUDES SCREEN STANDARD VOLUME. H PRESSURE 30%. STANDARD SHAFT SUPPORT. PROTECTIVE COATING. SCREW IN VALVE. INCLUM 4" DIAMETER SCREEN.					
<i>'</i>	Torque Camshaft		_			5		
			Degrees .050" dur Int. Exh.	Degrees ADV. Dur Int. Exh.	Inches Valve lift Int. Exh.	Degrees Lobe cntr. Int. Exh.	Degrees Separation	
	HYD. IMPROVES LOW-MID. PERF. CHECK FOR COIL BIND. USE [VS-310] INNER SPRING W/ INSTALLED HGT. OF 1.57 & [VS-450] OUTER SPRING W/ INSTALLED HGT. OF 1.59. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1200-4700.	MTP-1	204 214 278 288 .421 .443 108 116				112	
	Camshafts Using Hydraulic Flat Tappet Lifters DURATION AT .50 INTAKE 214 CLASS II. NOT CALIFORNIA	26204	Degrees .050" dur Int. Exh. 214 224	Degrees ADV. Dur Int. Exh. 288 298	Inches Valve lift Int. Exh. .443 .466	Degrees Lobe cntr. Int. Exh. 108 116	Degrees Separation 112	
	COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5200. Continued on Next Page							

Line							continueu)		
No.	Part Title	Part No.			Description				
17	455 ENG - 1970-76 - 8 Cyl 4.1	51 Bore							
	Camshafts Using Hydraulic Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation		
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.			
	DURATION AT .50 INTAKE 224 CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3200-6700.	26303	224 236	298 310	.407 .407	112 119	115		
	DURATION AT .50 INT. 231 CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2650-6200.	26308	231 240	304 316	.470 .470	112 115	113		
	Mell Lube	M-10012	ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 40Z CONTAINER.						
	Torque Cam Lifter Kit	CL-MTP-1	CLASS I HYD. NOT COMPUTER COMPATIBLE. IMPROVES LOW-MID PERF. CAM LIFT .280 INT295 EXH. NOT CALIFORNIA COMPLIANT. KIT INCLUDES 1-[MTP-1] CAM, 16-[JB-951] LIFTERS & 40Z MELL LU CHECK FOR COIL BIND. USE [VS-310] INNER SPRIN INSTALLED HGT. OF 1.57 & [VS-450] OUTER SPRING INSTALLED HGT. OF 1.59.						
	Hydraulic Flat Tappet Lifters	299514							
	Valve Locks	476104							
	Valve Spring with Hydraulic	VS-310	USE W/ [M	ITP-1] CAMS	SHAFT; INNE	R SPRING			
	Lifters		(MACHINI	NG MAY BE	REQUIRED)				
		VS-450	USE W/ [M	ITP-1] CAMS	SHAFT; OUT	ER SPRING			
			(MACHINI	NG MAY BE	REQUIRED)				
	Valve Spring Retainers	475054	CHROME	MOLY					
	Rocker Arms	498464							
	Chrome Moly Push Rods	500274			SPRING PR				
	3pc Set	40408	 INCLUDES SEAMLESS SOLID ROLLER CHAIN, CAST IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET HI PRESSURE PUMP - INCLUDES SCREEN STANDARI VOLUME. STANDARD PRESSURE. STANDARD SHAFT SUPPORT. PROTECTIVE COATING. SCREW IN VALVE INCLUDES 3/4" DIAMETER SCREEN. HI PRESSURE PUMP (30% MORE PRESSURE THAN 10540) INCLUDES SCREEN STANDARD VOLUME. HIGH PRESSURE 30%. STANDARD SHAFT SUPPORT. PROTECTIVE COATING. SCREW IN VALVE. INCLUDES 4" DIAMETER SCREEN. 						
	Oil Pump	10540							
		10541							

ine												
o. 1	Part Title	Part No.			Description							
	2189CC 20R OHC ENG - 1975	-80 - 4 Cyl 88	3 MM Bore (C	ORONA, C	ELICA & P	ICKUP)						
	Camshafts Using Mechanical Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation					
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.						
	CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1000-4500.	27101	214 224		.417 .429	105 115	110					
	CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2200-5200.	27201	224 234		.429 .441	105 115	110					
	Mell Lube	M-10012	PLATES W	SSEMBLY A /EAR SURF/ .ING DURIN(ER.	ACES TO PF	REVENT SC	ORING					
	2366CC 22R OHC ENG - 1981-90 - 4 Cyl 92 MM Bore (1981-82 CORONA) (1981-83 CELICA) (1981-90 PICKUP) (1984 4RUNNER)											
	Camshafts Using Mechanical Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation					
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.						
	CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1000-4500.	27101	214 224		.417 .429	105 115	110					
	CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2200-5200.	27201	224 234		.429 .441	105 115	110					
	Mell Lube	M-10012	ENGINE A	SSEMBLY A	ND BREAK-	IN LUBRICA	NT.					
				/EAR SURF/								
			CONTAINE									
	2366CC 22RE OHC ENG - 198	9-95 - 4 Cyl 9	92 MM Bore (2 WHEEL [ORIVE & 4	WHEEL DF	RIVE					
	PICKUP & 4 RUNNER) (MULT	-PORT FUEL	INJECTION E	NGINES)								
	Camshafts Using Mechanical Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation					
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.						
	CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1000-4500.	27101	214 224		.417 .429	105 115	110					
	CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2200-5200.	27201	224 234		.429 .441	105 115	110					
	Mell Lube	M-10012	ENGINE A	SSEMBLY A	ND BREAK-		NT.					

PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 40Z

CONTAINER.

SPORT COMPACT PERFORMANCE - TOYOTA CARS & TRUCKS (Continued)

Line No.	Part Title	Part No.			Description							
4	2366CC 22REC OHC ENG - 19	83-89 - 4 Cyl 9	2 MM Bore	e (1984-88 T	RUCK) (19	83-85 CEL	ICA)					
	(1985-89 4RUNNER) (MULTI-P	ORT FUEL INJE	CTION ENG	GINES)								
	Camshafts Using Mechanical Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation					
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.						
	CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1000-4500.	27101	214 224		.417 .429	105 115	110					
	CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2200-5200.	27201	224 234		.429 .441	105 115	110					
5	Mell Lube M-10012 ENGINE ASSEMBLY AND BREAK-IN LUBRICANT. PLATES WEAR SURFACES TO PREVENT SCORING PLATES WEAR SURFACES TO PREVENT SCORING AND GALLING DURING ENGINE START UP. 40Z CONTAINER. 2366CC 22RTEC OHC ENG - 1985-88 - 4 Cyl 92 MM Bore (1985-88 TRUCK) (1985-88 4RUNNER)											
	2366CC 22RTEC OFC ENG - 1985-88 - 4 Cyl 92 MM Bore (1985-88 TRUCK) (1985-88 4RUNNER) (OHC TURBO ENGINES)											
	Camshafts Using Mechanical Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation					
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.						
	CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1000-4500.	27101	214 224		.417 .429	105 115	110					
	CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2200-5200.	27201	224 234		.429 .441	105 115	110					
	Mell Lube	M-10012	PLATES W	/EAR SURF/ ING DURING	ND BREAK- ACES TO PF G ENGINE S	REVENT SCO	ORING					

	Oil Pump	Screens	
54-DS	55-S1	55-S2	55-S3
68-S	68-S3	68-S4	68-S5
Co	0		
83-S	83-S1	210S	220S
241S	303S	304S	305S
	0	9	
324S	331S	335S	12557
12558	12559	12564	12566



Melling Select's Pressure Relief Spring Packs provide an economical way to adjust the relief pressure on the small block or big block Chevy oil pumps without the need to cut coils or add shims which can be risky.

The springs are manufactured using the best suited alloyed steel which resists fatigue and are designed to provide long life. Melling Select Oil Pressure Spring Packs include 5 springs in each package.



PACKAGE CONTENTS

Part#	Qty	Spring #	Pressure	Color	QtyPin #	For Use With
55049	(5)	M-29009-A	49#	GREEN	(5) M15509	M-55, M-55HV, M155, M155HV, 10550*, 10551*, 10553*, 10554*
55058	(5)	14024240	58#	YELLOW	(5) M15509	M-55, M-55HV, M155, M155HV, 10550*, 10551*, 10553*, 10554*
55070	(5)	M-98015	70#	PINK	(5) M15509	M-55, M-55HV, M155, M155HV, 10550*, 10551*, 10553*, 10554*
55078	(5)	M-46557	78#	GREEN	(5) M15509	M-55, M-55HV, M155, M155HV, 10550*, 10551*, 10553*, 10554*
77052	(5)	M-77007	52#	PLAIN	(5) M15509	M-77, M-77HV, M-77G, M307, M-99HV-S, 10770*, 10774*
77060	(5)	M-77009	60#	BLUE	(5) M15509	M-77, M-77HV, M-77G, M307, M-99HV-S, 10770*, 10774*
77070	(5)	3870399	70#	PINK	(5) M15509	M-77, M-77HV, M-77G, M307, M-99HV-S, 10770*, 10774*
5556F	(5)	M-55097	50-60#	PLAIN	(NOT REQUIRED)	10552*, 10552C*, 10555*, 10555C*
5570F	(5)	M-55096	70#	PINK	(NOT REQUIRED)	10552*, 10552C*, 10555*, 10555C*
7752M	(5)	M-77007	52#	PLAIN	(NOT REQUIRED)	10778* & 10778C*
7760M	(5)	M-77009	60#	BLUE	(NOT REQUIRED)	10778* & 10778C*
7770M	(5)	3870399	70#	PINK	(NOT REQUIRED)	10778* & 10778C*

*Additional performance oil pump application information available in the Melling Select performance catalog



Melling Select Performance Oil Pump Intermediate Shafts

GM Applications:

12550, Performance upgrade for IS-55E and IS-55G. Manufactured from Chrome Moly steel for improved shaft strength. Special collar design allows the intermediate shaft to snap onto the oil pump drive shaft while still allowing for mis-alignment of pump drive shaft to the distributor drive shaft caused by tolerance stack-up within the engine.

12770, Performance upgrade for IS-77 and IS-77A. Manufactured from Chrome Moly steel for improved shaft strength. Special collar design allows the intermediate shaft to snap onto the oil pump drive shaft while still allowing for mis-alignment of pump drive shaft to the distributor drive shaft caused by tolerance stack-up within the engine.

Ford Applications:

12600, Performance upgrade for IS-60. Manufactured from Chrome Moly steel for improved shaft strength. Heat treated and centerless ground.

12680, Performance upgrade for IS-68. Manufactured from Chrome Moly steel for improved shaft strength. Heat treated and centerless ground.

12830, Performance upgrade for IS-83. Manufactured from Chrome Moly steel for improved shaft strength. Heat treated and centerless ground.

12840, Performance upgrade for IS-84. Manufactured from Chrome Moly steel for improved shaft strength. Heat treated and centerless ground.

12844, Performance upgrade for IS-84A. Manufactured from Chrome Moly steel for improved shaft strength. Heat treated and centerless ground.

Chrysler Applications:

12630, Performance upgrade for IS-63. Gear press fit and pinned to drive shaft. Drive shaft manufactured from Chrome Moly steel for improved shaft strength.

12720, Performance upgrade for IS-72. Gear press fit and pinned to drive shaft. Drive shaft manufactured from Chrome Moly steel for improved shaft strength.



RETRO-FIT ROLLER CAMSHAFTS & LIFTERS



APPLICATION/CLASS	CAM	VALVE LIFT INT. / EXH.	DUR @ .050 INT. / EXH.	LOBE CTR. Int. / Exh.	LOBE SEP.
SB CHEV CLASS I	22135	.470 / .490	206 / 214	108/116	112
	22136	.470 / .480	215 / 230	106 / 114	110
SB CHEV CLASS II	22237	.470 / .490	215 / 224	108 / 116	112
	22238	.470 / .470	215 / 215	106 / 114	110
BB CHEV CLASS I	22141	.502 / .510	216 / 228	108 / 116	112
	22236	.527 / .544	224 / 234	106 / 114	110
SB FORD CLASS I	24110	.444 / .444	210/211	116/115	115.5
	24226	.490 / .508	212 / 222	107 / 117	112
SB FORD CLASS II	24214	.498 / .498	219/219	110/110	110



SB817RF16	SMALL BLOCK CHEVY 1985 & OLDER
SB079RF16	SMALL BLOCK CHEVY 1986 & NEWER
BB817RF16	BIG BLOCK CHEVY 1987 & OLDER
BB969RF16	BIG BLOCK CHEVY 1988 & NEWER
F1900RF16	WINDSOR/CLEVELAND 351-400 & 302

** Always consult catalogs listings for detailed application information**

CAMSHAFT SPECIFICATIONS

_		_				SAE Specs			_			
Part No.		Spee Opens	cs @ 0.50 Car Closes	n Lift Duration	(0.06/Rock Opens	er Arm Rati Closes	o) Cam Lift Duration	Cam Lift	Gross Valve Lift	Center Line C/L		Valve Lash
21300	INT.	10 BTC	44 ABC	234	42 BTC	84 ABC	306	.325	.520	107	1.6	HYD.
	EXH.	59 BBC	5 ATC	244	91 BBC	45 ATC	316	.339	.542	117		HYD.
22100	INT.	-11 BTC	23 ABC	192	22 BTC	69 ABC	271	.234	.398	107	1.7	HYD.
	EXH.	37 BBC	-14 ATC	203	70 BBC	31 ATC	281	.253	.430	117		HYD.
22107	INT.	-3 BTC	31 ABC	208	25 BTC	75 ABC	280	.272	.408	107	1.5	HYD.
	EXH.	37 BBC	-9 ATC	208	65 BBC	35 ATC	280	.272	.408	113	_	HYD.
22108	INT.	-12 BTC	16 ABC	184	22 BTC	58 ABC	260	.245	.367	104		HYD.
22109	EXH. INT.	21 BBC -7 BTC	-7 ATC 21 ABC	194 194	54 BBC 26 BTC	36 ATC 64 ABC	270 270	.265 .265	.398 .398	104 104		HYD. HYD.
22109	EXH.	26 BBC	-2 ATC	194 204	26 BTC 58 BBC	64 ABC 40 ATC	270 278	.265 .280	.398	104		HYD.
22110	INT.	-8 BTC	32 ABC	204	24 BTC	74 ABC	278	.280	.421	110		HYD.
22110	EXH.	37 BBC	-3 ATC	204	69 BBC	39 ATC	288	.295	.443	110		HYD.
22111	INT.	-10 BTC	24 ABC	194	23 BTC	67 ABC	270	.265	.398	107	_	HYD.
22111	EXH.	39 BBC	-15 ATC	204	71 BBC	27 ATC	278	.280	.421	117		HYD.
22113	INT.	-7 BTC	21 ABC	194	26 BTC	64 ABC	270	.265	.398	104		HYD.
22110	EXH.	26 BBC	-2 ATC	204	58 BBC	40 ATC	278	.280	.421	104		HYD.
22114	INT.	-2 BTC	30 ABC	208	32 BTC	68 ABC	280	.280	.420	106		HYD.
	EXH.	40 BBC	-12 ATC	208	74 BBC	26 ATC	280	.280	.420	116		HYD.
22115	INT.	-2 BTC	32 ABC	209	30 BTC	73 ABC	283	.290	.435	107		HYD.
	EXH.	45 BBC	-9 ATC	216	75 BBC	31 ATC	286	.303	.455	117		HYD.
22116	INT.	-18 BTC	28 ABC	190	26 BTC	71 ABC	277	.232	.406	113	1.75	HYD
	EXH.	25 BBC	-15 ATC	190	69 BBC	28 ATC	277	.232	.406	110		HYD
22117	INT.	-8 BTC	32 ABC	204	24 BTC	76 ABC	280	.253	.441	109		HYD.
	EXH.	36 BBC	-12 ATC	204	68 BBC	32 ATC	280	.253	.442	115		HYD.
22118	INT.	-17 BTC	29 ABC	192	32 BTC	78 ABC	290	.230	.403	113		HYD.
	EXH.	26 BBC	-14 ATC	192	75 BBC	35 ATC	290	.230	.403	110		HYD.
22119	INT.	-7 BTC	29 ABC	202	21 BTC	70 ABC	271	.269	.403	108	1.5	HYD.
	EXH.	41 BBC	-8 ATC	213	70 BBC	34 ATC	284	.273	.409	116		HYD.
22120	INT.	-7 BTC	29 ABC	202	21 BTC	70 ABC	271	.269	.403	108		HYD.
00101	EXH.	41 BBC	-8 ATC	213	70 BBC	34 ATC	284	.273	.409	116	_	HYD.
22121	INT. EXH.	-9 BTC 37 BBC	31 ABC	202	17 BTC	72 ABC	269	.269	.404	110		HYD.
22123	INT.	-10 BTC	-10 ATC 33 ABC	207 203	63 BBC 18 BTC	28 ATC 73 ABC	271 271	.276 .273	.414 .410	<u>114</u> 111		HYD. HYD.
22123	EXH.	41 BBC	-7 ATC	203 214	69 BBC	36 ATC	285	.273	.410	115		HYD.
22124	INT.	-7 BTC	29 ABC	202	20 BTC	71 ABC	203	.267	.401	108		HYD.
22127	EXH.	37 BBC	-4 ATC	213	65 BBC	38 ATC	283	.273	.410	112		HYD.
22125	INT.	7 ATC	29 ABC	202	20 BTC	71 ABC	271	.267	.401	108		HYD.
	EXH.		4 BTC	213	65 BBC	38 ATC	283	.273	.410	112		HYD.
22126	INT.	-10 BTC	24 ABC	194	23 BTC	65 ABC	268	.265	.398	107		HYD.
	EXH.	44 BBC	-10 ATC	214	75 BBC	33 ATC	288	.294	.441	117		HYD.
22127	INT.	-12 BTC	22 ABC	190	17 BTC	64 ABC	261	.258	.438	106	1.7	HYD.
	EXH.	35 BBC	-13 ATC	202	62 BBC	30 ATC	272	.273	.465	114		HYD.
22128	INT.	-2 BTC	32 ABC	210	26 BTC	67 ABC	273	.319	.478	107	1.5	HYD.
	EXH.	44 BBC	-10 ATC	214	72 BBC	25 ATC	277	.324	.487	117		HYD.
22129	INT.	-9 BTC	27 ABC	198	27 BTC	66 ABC	273	.289	.434	108		HYD
	EXH.	41 BBC	-11 ATC	210	78 BBC	30 ATC	288	.308	.462	116		HYD
22131	INT.	-14 BTC	41 ABC	207	14 BTC	77 ABC	271	.273	.410	117		HYD
	EXH.	43 BBC	-9 ATC	214	74 BBC	26 ATC	280	.284	.427	117	_	HYD
22135	INT.			206			265	.313	.470	108		HYD
	EXH.			214			274	.327	.490	116	_	HYD
22136	INT.			215			284	.313	.470	106		HYD
00141	EXH.			230			310	.320	.480	114	17	HYD
22141	INT.			216			288	.295	.501	108	1.7	HYD
00000	EXH.	1.010	10 400	228	20.070	00 400	300	.300	.510	116	4.5	HYD
22200	INT. EXH.	1 BTC 49 BBC	42 ABC -6 BTC	223 223	30 BTC 78 BBC	80 ABC 32 ATC	290	.298 .298	.447	110	1.5	HYD. HYD.
22201	INT.	49 BBC 1 BTC	42 ABC	223	31 BTC	32 ATC 80 ABC	290 291	.298	.447	118 110	1.7	HYD. HYD
22201	EXH.		42 ABC -6 ATC	223	79 BBC	32 ATC	291	.333 .333	.566	118	1.7	HYD.
22203	INT.	0 BTC	34 ABC	223	32 BTC	76 ABC	291	.333	.300	107	1.5	HYD.
00		0010		L 17	02 010		200	.230		107	1.0	IIID.

						AE Specs@						
Part No.		Spec Opens	s @ 0.50 Car Closes	n Lift Duration	(0.06/Rocke Opens	r Arm Rati Closes	io) Cam Lift Duration	Cam Lift	Gross Valve Lift	Center Line C/L		Valve Lash Clearance
	EXH.	49 BBC	-5 ATC	224	81 BBC	37 ATC	298	.311	.466	117		HYD.
22204	INT.	-1 BTC	35 ABC	214	32 BTC	80 ABC	292	.296	.503	108	1.7	HYD.
	EXH.	48 BBC	-4 BTC	224	82 BBC	40 ATC	302	.311	.528	116		HYD.
22210	INT.	-3 BTC	47 ABC	224	27 BTC	84 ABC	291	.300	.450	114	1.5	HYD.
	EXH.	46 BBC	-2 ATC	224	75 BBC	32 ATC	287	.307	.460	114		HYD.
22213	INT.	0 BTC	34 ABC	214	31 BTC	76 ABC	287	.296	.444	107		HYD.
	EXH.	44 BBC	-10 ATC	214	75 BBC	32 ATC	287	.296	.444	117		HYD.
22214	INT.	-2 BTC	36 ABC	214	32 BTC	81 ABC	293	.296	.503	109	1.7	HYD.
	EXH.	46 BBC	-12 ATC	214	80 BBC	33 ATC	293	.296	.503	119		HYD.
22215	INT.	1 BTC	37 ATC	218	32 BTC	83 ABC	295	.286	.429	108	1.5	HYD.
	EXH.	41 BBC	-3 ATC	218	72 BBC	43 ATC	295	.286	.429	112		HYD.
22216	INT.	-4 BBC	38 ABC	214	29 BTC	81 ABC	290	.270	.476	110	1.76	HYD.
	EXH.	49 BBC	-11 ATC	218	86 BBC	37 ATC	303	.282	.496	120		HYD.
22217	INT.	-4 BTC	39 ABC	214	28 BTC	81 ABC	289	.270	.460	110	1.7	HYD.
	EXH.	49 BBC	-10 ATC	218	86 BBC	36 ATC	301	.282	.479	120		HYD.
22218	INT.	-4 BTC	38 ABC	214	28 BTC	81 ABC	289	.270	.460	110		HYD.
	EXH.	49 BBC	-11 ATC	218	86 BBC	36 ATC	301	.282	.479	120		HYD.
22219	INT.	-3 BTC	47 ABC	224	29 BTC	85 ABC	294	.300	.510	114		HYD.
	EXH.	48 BBC	-4 ATC	224	80 BBC	34 ATC	294	.300	.510	117		HYD.
22220	INT.	-3 BTC	47 ABC	224	28 BTC	85 ABC	293	.300	.510	114		HYD.
00004	EXH.	48 BBC -8 BTC	-4 ATC	224	79 BBC	34 ATC	293	.300	.510	117	4.5	HYD.
22221	INT.		25 ABC	197	19 BTC	62 ABC	261	.289	.433	105	1.5	HYD
00000	EXH. INT.	36 BBC -9 BTC	-10 ATC 31 ABC	206 202	64 BBC 27 BTC	32 ABC 71 ABC	276 278	.300	.450	114 108		HYD HYD
22222		-9 BTC 40 BBC						.269	.403	108		HYD
22223	EXH. INT.	40 BBC	-6 ATC 44 ABC	214 224	75 BBC 37 BTC	39 ATC 79 ABC	294 296	.273 .284	.410 .483	113	1.7	Hyd
22223	EXH.	51 BBC	-7 ATC	224 224	88 BBC	28 ATC	296 296	.204 .284	.403	118	1.7	Hyd
22230	INT.	2 BTC	32 ABC	224	34 BTC	74 ABC	290	.204	.403	105	1.5	HYD
22230	EXH.	42 BBC	-8 ATC	214	74 BBC	34 ATC	287	.290	.444	115	1.5	HYD
22232	INT.	4 BTC	36 ABC	220	46 BTC	78 ABC	304	.312	.468	106		HYD
LLLOL	EXH.	49 BBC	2 ATC	231	73 BBC	34 ATC	287	.320	.480	114		HYD
22233	INT.	5 BTC	39 ABC	224	43 BTC	77 ABC	300	.291	.436	107		HYD
00	EXH.	41 BBC	3 ATC	224	79 BBC	41 ATC	300	.291	.436	109		HYD
22234	INT.	7 BTC	37 ABC	224	34 BTC	69 ABC	283	.320	.480	107		HYD
	EXH.	51 BBC	-1 ATC	230	78 BBC	33 ATC	291	.324	.486	113		HYD
22235	INT.			224			224	.310	.465	112		HYD
	EXH.			224			224	.310	.465	112		HYD
22236	INT.			224			296	.310	.527	106	1.7	HYD
	EXH.			234			308	.320	.544	114		HYD
22237	INT.			215			284	.313	.470	108	1.5	HYD
	EXH.			224			296	.327	.490	116		HYD
22238	INT.			215			284	.313	.470	106		HYD
	EXH.			215			284	.313	.470	114		HYD
22280	INT.			220			283	.330	.495	107		HYD
	EXH.			224			287	.335	.502	113		HYD
22296	INT.	0 BTC	42 ABC	222	33 BTC	94 ABC	310	.294	.500	110	1.7	HYD.
	EXH.	57 BBC	-2 ATC	235	100 BBC	45 ATC	325	.297	.505	120		HYD.
22297	INT.	0 BTC	36 ABC	216	36 BTC	72 ABC	288	.295	.502	108		HYD
	EXH.	50 BBC	-2 ATC	228	86 BBC	34 ATC	300	.300	.510	116		HYD
22298	INT.	2 BTC	40 ABC	222	36 BTC	81 ABC	297	.319	.478	109	1.5	HYD
	EXH.	55 BBC	-3 ATC	232	89 BBC	38 ATC	307	.334	.501	119		HYD
22301	INT.	10 BTC	42 ABC	232	34 BTC	74 ABC	288	.320	.480	106		HYD.
	EXH.	46 BBC	6 ATC	232	70 BBC	38 ATC	288	.320	.480	110		HYD.
22302	INT.	9 BTC	41 ABC	230	42 BTC	87 ABC	309	.302	.513	106	1.7	HYD.
00000	EXH.	49 BBC	1 ATC	230	82 BBC	47 ATC	309	.302	.513	114	4.5	HYD.
22303	INT.	5 BTC	39 ABC	224	37 BTC	81 ABC	298	.311	.466	107	1.5	HYD.
00005	EXH.	54 BBC	0 ATC	234	85 BBC	39 ATC	304	.325	.488	117		HYD.
22305	INT.	10 BTC	44 ABC	234	41 BTC	82 ABC	303	.325	.488	107		HYD.
·	EXH.	59 BBC	5 ATC	244	90 BBC	43 ATC	313	.339	.508	117		HYD.

		_				AE Specs		_	-			
Part No.		Spec Opens	s @ 0.50 Car Closes	m Lift Duration	(0.06/Rock Opens	er Arm Rati Closes	io) Cam Lift Duration	Cam Lift	Gross Valve Lift	Center Line C/L		Valve Lash
22306	INT.	2 BTC	42 ABC	224	36 BTC	86 ABC	302	.311	.528	110	1.7	HYD.
	EXH.	55 BBC	-1 ATC	234	88 BBC	40 ATC	308	.325	.552	118		HYD.
22320	INT.	3 BTC	47 ABC	230	34 BTC	90 ABC	304	.302	.453	112	1.5	HYD.
	EXH.	51 BBC	-1 ATC	230	82 BBC	42 ATC	304	.302	.453	116		HYD.
22396	INT.	12 BTC	50 ABC	242	42 BTC	88 ABC	310	.306	.520	108	1.7	.020
00007	EXH.	60 BBC	2 ATC	242	84 BBC	33 ATC	297	.306	.520	120	4.5	.024
22397	INT. EXH.	10 BTC 56 BBC	44 ABC	234	37 BTC 83 BBC	79 ABC	296	.358	.538	107	1.5	HYD
22398	INT.	10 BTC	2 ATC 44 ABC	238 234	37 BTC	37 ATC 79 ABC	300 296	.364 .358	.546 .538	117 107		HYD HYD
22390	EXH.	56 BBC	2 ATC	234	83 BBC	37 ATC	290 300	.358 .364	.536	117		HYD
22400	INT.	19 BTC	58 ABC	257	40 BTC	84 ABC	304	.329	.494	108		.022
22400	EXH.	70 BBC	20 ATC	270	91 BBC	49 ATC	320	.341	.512	116		.024
22401	INT.	15 BTC	49 ABC	244	46 BTC	87 ABC	313	.339	.508	107		HYD.
22401	EXH.	63 BBC	11 ATC	254	95 BBC	53 ATC	328	.355	.533	117		HYD.
22402	INT.	16 BTC	44 ABC	240	37 BTC	67 ABC	282	.347	.521	104		.024
	EXH.	52 BBC	18 ATC	250	72 BBC	38 ATC	290	.347	.521	108		.024
22404	INT.	30 BTC	48 ABC	258	46 BTC	64 ABC	290	.358	.538	99		.026
	EXH.	64 BBC	22 ATC	266	80 BBC	38 ATC	298	.371	.556	111		.026
22410	INT.	16 BTC	58 ABC	254	35 BTC	79 ABC	294	.323	.484	110		.030
	EXH.	64 BBC	10 ATC	254	83 BBC	31 ATC	294	.323	.484	118		.030
22427	INT.	22 BTC	62 ABC	264	46 BTC	96 ABC	322	.329	.559	108	1.7	.022
	EXH.	70 BBC	20 ATC	270	92 BBC	50 ATC	322	.341	.580	116		.026
22450	INT.	21 BTC	61 ABC	262	42 BTC	87 ABC	309	.341	.512	108	1.5	.022
	EXH.	71 BBC	22 ATC	273	90 BBC	48 ATC	318	.357	.536	116		.024
22460	INT.	17 BTC	49 ABC	246	45 BTC	77 ABC	302	.339	.508	106		HYD
	EXH.	55 BBC	11 ATC	246	83 BBC	39 ATC	302	.339	.508	112		HYD
22471	INT.	10 BTC	50 ABC	240	41 BTC	84 ABC	305	.329	.559	110	1.7	HYD
	EXH.	57 BBC	9 ATC	246	87 BBC	44 ATC	311	.337	.572	114		HYD
22472	INT.	6 BTC	51 ABC	237	49 BTC	106 ABC	335	.368	.626	109		HYD
	EXH.	54 BBC	11 ATC	245	92 BBC	37 ATC	329	.376	.639	115		HYD
22480	INT.	12 BTC	49 ABC	241	41 BTC	84 BBC	305	.329	.559	110		HYD
	EXH.	57 BBC	9 ATC	246	87 BBC	43 ATC	310	.337	.572	114	_	HYD
22485	INT.	12 BTC	44 ABC	236	52 BTC	84 ABC	316	.330	.561	106		HYD
	EXH.	57 BBC	9 ATC	246	96 BBC	48 ATC	324	.340	.578	114		HYD
23103	INT.	-15 BTC	33 ABC	198	16 BTC	82 ABC	278	.273	.410	114	1.5	HYD.
00101	EXH.	27 BBC	-8 ATC	199	61 BBC	41 ATC	282	.274	.412	108	_	HYD.
23104	INT.	15 ATC	33 ABC	198	16 BTC	82 ABC	278	.273	.410	114		HYD.
00000	EXH.		8 BTC	199	61 BBC	41 ATC	282	.274	.411	108		HYD.
23203	INT.	-1 BTC	35 ABC	214	31 BTC	77 ABC	288	.296	.444	108		HYD.
00004	EXH.		-4 ATC	224	80 BBC 32 BTC	38 ATC	298	.311 .295	.466	116 107		HYD.
23204	INT. EXH.	0 BTC 49 BBC	34 ABC -5 ATC	214 224	32 BTC 81 BBC	76 ATC 37 ATC	288	.295 .301	.443			HYD. HYD.
23302	INT.	10 BTC	46 ABC	224	43 BTC	79 BTC	298 302	.301	.452 .480	117 108		HYD.
20002	EXH.	46 BBC	40 ABC 10 ATC	230	79 BBC	43 ATC	302	.320	.480	108		HYD.
23321	INT.	40 000	IUAIO	242	13 000	-0 110	329	.020	.476	106		HYD.
20021	EXH.			242			329		.476	106		HYD.
24106	INT.	-12 BTC	16 ABC	184	18 BTC	61 ABC	258	.238	.380	103	1.6	HYD.
21100	EXH.	28 BBC	-16 ATC	192	59 BBC	32 ATC	270	.247	.396	111		HYD.
24107	INT.	-15 BTC	32 ABC	197	18 BTC	82 ABC	280	.260	.416	114		HYD.
	EXH.	38 BBC	-9 ATC	209	71 BBC	42 ATC	293	.278	.444	114		HYD.
24108	INT.	-12 BTC	22 ABC	190	16 BTC	62 ABC	258	0.257	0.412	106		HYD.
	EXH.	35 BBC	-13 ATC	202	62 BBC	29 ATC	271	0.273	0.437	114		HYD.
24110	INT.			210			298	.278	.444	116		HYD
	EXH.			211			282	.278	.444	115		HYD
24111	INT.	-3 BTC	31 ABC	208	33 BTC	71 ABC	284	.280	.485	107	1.73	HYD.
	EXH.		-11 ATC	208	75 BBC	29 ATC	284	.280	.485	115		HYD.
24203	INT.	-1 BTC	35 ABC	214	30 BTC	78 ABC	288	.295	.473	108	1.6	HYD.
	EXH.		-4 ATC	224	81 BBC	39 ATC	300	.310	.497	116		HYD.
24204	INT.	1 BTC	33 ABC	214	34 BTC	78 ABC	292	.295	.511	106	1.73	HYD.

SAE Specs@												
Part No.		Spec Opens	s @ 0.50 Can Closes	n Lift Duration	(0.06/Rocke Opens	er Arm Rati Closes	io) Cam Lift Duration	Cam Lift	Gross Valve Lift	Center Line C/L		Valve Lash Clearance
	EXH.	50 BBC	-6 ATC	224	84 BBC	38 ATC	302	.310	.537	118		HYD.
24205	INT.	0 BDC	34 ABC	214	34 BTC	78 ABC	292	.295	.511	104		HYD.
	EXH.	49 BBC	-5 ATC	224	83 BBC	39 ATC	302	.310	.537	120		HYD.
24206	INT.	0 BTC	34 ABC	214	33 BTC	79 ABC	292	.296	.511	107		HYD.
	EXH.	49 BBC	-5 ATC	224	83 BBC	39 ATC	302	.310	.544	117		HYD.
24209	INT.	13 ATC	40 ABC	207	17 BTC	85 ABC	282	.278	.445	117	1.6	HYD.
	EXH.	47 BBC	6 BTC	221	83 BBC	41 ATC	304	.283	.453	113		HYD.
24210	INT.	5 BTC	39 ABC	224	38 BTC	82 ABC	300	.310	.497	107		HYD.
	EXH.	54 BBC		234	86 BBC	40 ATC	306	.325	.520	117		HYD.
24211	INT.	5 BTC	39 ABC	224	38 BTC	82 ABC	300	.310	.497	107		HYD.
	EXH.	54 BBC		234	86 BBC	40 ATC	306	.325	.520	117		HYD.
24212	INT.	3 BTC	35 ABC	218	38 BTC	82 ABC	297	.286	.458	106		HYD.
	EXH.	49 BBC	-11 ATC	218	81 BBC	36 ATC	297	.286	.457	120		HYD.
24213	INT.	-1 BTC	37 ABC	216	38 BTC	90 ABC	308	.285	.493	109	1.73	HYD.
	EXH.	50 BBC	-10 ATC	220	89 BBC	43 ATC	312	.290	.502	120		HYD.
24214	INT.			219			285	.311	.498	110	1.6	HYD
	EXH.			219			285	.311	.498	110		HYD
24218	INT.	3 BTC	41 ABC	224	37 BTC	98 ABC	315	.292	.506	109	1.73	HYD.
	EXH.	47 BBC	-3 ATC	224	81 BBC	54 ATC	315	.292	.506	115		HYD.
24224	INT.	1 BTC	38 ABC	219	42 BTC	88 ABC	310	.292	.505	108		HYD.
	EXH.	49 BBC	-10 ATC	219	90 BBC	40 ATC	310	.292	.505	120		HYD.
24225	INT.	2 BTC	37 ABC	219	42 BTC	86 ABC	308	.292	.467	107	1.6	HYD.
	EXH.	48 BBC	9 ATC	219	88 ABC	40 ATC	308	.292	.467	119		HYD.
24226	INT.	-3 BTC	35 ABC	212	33 BTC	76 ABC	289	.307	.491	107		HYD.
	EXH.	49 BBC	-7 ATC	222	84 BBC	36 ATC	300	.318	.509	117		HYD.
24227	INT.	5 BTC	37 ABC	222	40 BTC	80 ABC	300	.318	.509	107		HYD.
	EXH.	55 BBC	-3 ATC	232	90 BBC	39 ATC	309	.332	.532	117		HYD.
24280	INT.	1 BTC	39 ABC	220	29 BTC	76 ABC	286	.320	.512	109		HYD.
	EXH.	46 BBC	-3 ATC	223	76 BBC	36 ATC	292	.320	.512	115		HYD.
24301	INT.	9 BTC	42 ABC	231	34 BTC	74 ABC	288	.320	.512	106		HYD.
	EXH.	49 BBC	2 ATC	231	74 BBC	34 ATC	288	.320	.512	114	4 =0	HYD.
24302	INT.	7 BTC	43 ABC	230	39 BTC	85 ABC	304	.320	.554	107	1.73	HYD.
04005	EXH.	45 BBC	5 ATC	230	77 BBC	47 ATC	304	.320	.554	111	10	HYD.
24305	INT.	6 BTC	41 ABC	227	37 BTC	81 ABC	298	.325	.520	107	1.6	HYD
24401	EXH. INT.	54 BBC 17 BTC	47 ABC	234 244	85 BBC 40 BTC	37 ATC	302	.325 .329	.520	117	1 70	HYD
24401						72 ABC	292		.569	104	1.73	.026 .026
04406	EXH.	54 BBC	20 ATC	254	79 BBC	42 ATC	301	.341	.589	108		
24406	INT. EXH.	15 BTC 63 BBC	49 ABC 11 ATC	244 254	40 BTC 88 BBC	74 ABC 36 ATC	294	.340	.588 .614	107		.026 .026
25211	INT.	1 BTC	33 ABC	234	33 BTC	76 ABC	304 289	.355 .296	.473	117 106	1.6	.020 HYD.
23211	EXH.	50 BBC	-6 BTC	214	83 BBC	37 ATC	300	.230	.497	118	1.0	HYD.
25309	INT.	12 BTC	52 ABC	244	42 BTC	92 ABC	314	0.297	.475	110	-	HYD.
20000	EXH.	52 BBC	12 ATC	244	82 BBC	52 ATC	314	0.297	.475	110		HYD.
25310	INT.	9 BTC	43 ABC	232	48 BTC	101 ABC	329	0.296	.474	112	-	HYD.
	EXH.	55 BBC	-3 ATC	232	94 BBC	55 ATC	329	0.296	.474	114		HYD
26204	INT.	-1 BTC	35 ABC	214	31 BTC	76 ABC	288	.296	.443	108	1.5	HYD.
_0_0	EXH.	48 BBC	-4 BTC	224	80 BBC	38 ATC	298	.311	.466	116		HYD.
26303	INT.	0 BTC	44 ABC	224	32 BTC	86 ATC	298	0.271	.407	112		HYD.
	EXH.	57 BBC	-1 ATC	236	87 BBC	43 ATC	310	0.271	.407	119		HYD.
26308	INT.	3 BTC	48 ABC	231	36 BTC	88 ABC	304	.313	.470	112		HYD.
	EXH.	54 BBC	6 ATC	240	87 BBC	49 ATC	316	.131	.470	115		HYD.
27101	INT.	2 BTC	32 ABC	214	0 BTC			.267	.417	105	1.56	.012
	EXH.	47 BBC	-3 ATC	224				.275	.429	115		.012
27201	INT.	7 BTC	37 ABC	224	0 BTC			.275	.429	105		.012
	EXH.	52 BBC	2 ATC	234				.283	.441	115		.012
C-410-P	INT.	-3 BTC	47 ABC	224	27 BTC	84 ABC	291	.300	.450	114	1.5	HYD.
	EXH.	46 BBC	-2 ATC	224	75 BBC	32 ATC	287	.306	.460	114		HYD.
CCR-9	INT.						276	.263				
	EXH.						268	.263				

SAE Specs@												
Part		Spec	s @ 0.50 Car	n Lift	(0.06/Rocke	er Arm Rati	o) Cam Lift	Cam	Gross	Center	Rocker	Valve Lash
No.		Opens	Closes	Duration	Opens	Closes	Duration	Lift	Valve Lift	Line C/L	-	Clearance
MTA-1	INT.	-3 ATC	27 ABC	204	30 BTC	70 ABC	280	.280	.449	105	1.6	HYD.
	EXH.	42 BBC	-8 ATC	214	74 BBC	35 ATC	289	.296	.473	115		HYD.
MTB-1	INT.	-10 BTC	34 ABC	204	23 BTC	77 ABC	280	.280	.449	112		HYD.
	EXH.	39 BBC	-5 ATC	214	72 BBC	38 ATC	290	.296	.473	112		HYD.
MTB-2	INT.	-12 ATC	26 ABC	194	22 BTC	70 ABC	272	.265	.424	109		HYD.
	EXH.	41 BBC	-17 ATC	204	74 BBC	26 ATC	280	.280	.449	119		HYD.
MTC-1	INT.	-5 ATC	29 ABC	204	27 BTC	71 ABC	278	.280	.421	107	1.5	HYD.
	EXH.	44 BBC	-10 ATC	214	76 BBC	32 ATC	288	.296	.444	117		HYD.
MTC-5	INT.	-5 BTC	29 ABC	204	27 BTC	71 ABC	278	.280	.421	107		HYD.
	EXH.	44 BBC	-10 ATC	214	76 BBC	32 ATC	288	.295	.443	117		HYD.
MTC-6	INT.	-6 BTC	30 ABC	204	36 BTC	72 ABC	288	.270	.459	108	1.7	HYD.
	EXH.	40 BBC	-12 ATC	208	86 BBC	32 ATC	298	.270	.459	116		HYD.
MTD-1	INT.	-6 BTC	30 ABC	204	26 BTC	72 ABC	278	.280	.421	108	1.5	HYD.
	EXH.	43 BBC	-9 ATC	214	75 BBC	33 ATC	288	.295	.443	116		HYD.
MTD-2	INT.	-5 BTC	29 ABC	204	27 BTC	71 ABC	278	.280	.421	107		HYD.
	EXH.	44 BBC	-10 ATC	214	75 BBC	33 ATC	288	.295	.443	117		HYD.
MTF-1	INT.	-6 BTC	30 ABC	204	27 BTC	73 ABC	280	.280	.449	108	1.6	HYD.
	EXH.	43 BBC	-9 ATC	214	75 BBC	34 ATC	289	.295	.473	116		HYD.
MTF-2	INT.	-4 BTC	28 ABC	204	30 BTC	72 ABC	282	.280	.485	106	1.73	HYD.
	EXH.	45 BBC	-11 ATC	214	78 BBC	34 ATC	292	.295	.511	118		HYD.
MTF-3	INT.	-5 BTC	29 ABC	204	29 BTC	73 ABC	282	.280	.485	107		HYD.
	EXH.	44 BBC	-10 ATC	214	77 BBC	35 ATC	292	.295	.512	117		HYD.
MTF-4	INT.	-5 BTC	29 ABC	204	29 BTC	73 ABC	282	.280	.485	104		HYD.
	EXH.	44 BBC	-10 ATC	214	78 BBC	34 ATC	292	.295	.511	120		HYD.
MTF-5	INT.	-5 BTC	29 ABC	204	28 BTC	72 ABC	280	.280	.449	107	1.6	HYD.
	EXH.	44 BBC	-10 ATC	214	77 BBC	33 ATC	290	.295	.473	117		HYD.
MTF-6	INT.	-4 BTC	28 ABC	204	29 BTC	71 ABC	280	.281	.449	106		HYD.
	EXH.	41 BBC	-7 ATC	214	73 BBC	36 ATC	289	.296	.473	114		HYD.
MTO-1	INT.	-4 BTC	29 ABC	204	28 BTC	71 ABC	280	.280	.449	106		HYD.
	EXH.	45 BBC	-11 ATC	214	77 BBC	32 ATC	289	.295	.473	118		HYD.
MTP-1	INT.	-6 BTC	30 ABC	204	26 BTC	72 ABC	278	.280	.421	108	1.5	HYD.
	EXH.	43 BBC	-9 ATC	214	75 BBC	33 ATC	288	.295	.443	116		HYD.

CAMSHAFT SPECIFICATIONS

			SAE Specs@					
Part No.		Specs @ 0.50 Cam Lift Opens Closes Duration	(0.06/Rocker Arm Ratio) Cam Lift Opens Closes Duration	Cam Lift	Gross Valve Lift	Center Line C/L		Valve Lash Clearance
C-400-P	INT.	223	290	.298	.447	110	1.5	HYD.
	EXH.	223	290	.298	.447	118		HYD.
CASC-2	INT.	203	292	.273	.450	111	1.65	HYD
	EXH.	203	292	.273	.450	111		HYD
CASC-3	INT.	194	284	.258	.425	113		HYD
	EXH.	210	300	.282	.465	113		HYD
CASC-4	INT.	199	285	.266	.459		1.72	HYD.
	EXH.	203	281	.274	.473			HYD.
CASC-5	INT.	195	272	.240	.396	107	1.65	HYD.
	EXH.	198	269	.247	.408	115		HYD.
CCS-1	INT.	168	288	.210	.315		1.5	0.009
	EXH.	172	344	.224	.336	0		0.014
CCS-2	INT.	194	258	.260	.390	108		HYD.
	EXH.	202	269	.273	.409	116		HYD.
CCS-3	INT.	172	263	.222	.333	108		HYD.
	EXH.	172	262	.222	.333	108		HYD.
CCS-4	INT.	190	272	.229	.400	116	1.75	HYD
	EXH.	198	280	.235	.412	109		HYD
CCS-5	INT.	185		.271				HYD.
	EXH.	185		.271				HYD.
CCS-6	INT.	174		.222				HYD.
	EXH.	174		.222				HYD.
CCS-9	INT.	188	276	.232	.405	113		HYD.
	EXH.	188	276	.232	.405	110		HYD.
CCS-12	INT.	168	288	.210				0.009
	EXH.	170	288	.224				0.014
CCS-18	INT.	172	270	.221	.387	106		HYD
	EXH.	172	270	.221	.387	104		HYD
CCS-20	INT.	196	270	234	.412	107		HYD
	EXH.	196	270	.234	.412	119		HYD
CCS-22	INT.	210	285	.259	.453	109		HYD
	EXH.	213	297	.259	.453	117		HYD
CCS-23	INT.	176	244	.234	.351	106	1.5	HYD
	EXH.	194	259	.257	.385	112		HYD
CCS-24	INT.	189	250	.248	.372	102		HYD
	EXH.	202	269	.273	.409	116		HYD
CCS-25	INT.	193	268	.234	.409	104	1.75	HYD
	EXH.	203	280	.253	.442	116		HYD
CCS-26	INT.	172	270	.222	.388	106		HYD
	EXH.	190	276	.232	.406	98		HYD
CCS-30	INT.	179	238	.231	.346	105	1.5	HYD
	EXH.	196	256	.262	.394	109	_	HYD
CCS-31	INT.	193	269	.234	.399	103	1.7	HYD.
	EXH.	193	269	.234	.399	103		HYD.
CCS-32	INT.	185	216	.240	.385	112	1.6	HYD.
	EXH.	186	260	.240	.385	90	_	HYD.
CCS-33	INT.	196	256	.263	.394	108	1.5	HYD.
000.0-	EXH.	196	256	.263	.394	111	_	HYD.
CCS-35	INT.	176	244	.234	.350	108		HYD.
000	EXH.	193	258	.257	.385	112		HYD.
CCS-36	INT.	178						HYD.
000.0-	EXH.	202			40.1			HYD.
CCS-37	INT.	202	269	.269	.404	115		HYD.
000	EXH.	207	271	.276	.415	114		HYD.
CCS-38	INT.	179	252	.234	.350	108		HYD.
000.00	EXH.	195	262	.256	.385	112		HYD.
CCS-39	INT.	179	252	.233	.350	106		HYD.
000.40	EXH.	194	260	.257	.385	112	_	HYD.
CCS-40	INT.	207	271	.274	.410	117		HYD.

Part No. EXH. CCS-42 INT. EXH. CFC-1 CFC-3 INT. EXH. CFC-3 CFC-3 INT. EXH. CFC-3 CLT-1 INT. EXH. FOV-6 FOV-7 INT. EXH. FOV-9 FOV-9 INT. EXH. HSC-1 HSC-3 INT. EXH. HSC-3 HSC-4 INT. EXH. HSC-4 HSC-7 INT. EXH. HSC-7 HSC-10 INT. EXH. HSC-11 HSC-11 INT. EXH. HSC-12 HSC-11 INT. EXH. MC762 MC762 INT. EXH. MC769 MC709 INT. EXH. MC803 MC803 INT. EXH. MC810 MC810 INT. <th>194 194 184 184 180 180 208 208 208 202</th> <th>(0.06/Rocker Arm Ratio) Cam Lift Opens Closes Duration 280 258 258 229 225 225 246 246 246</th> <th>Lift .285 .260 .260 .240 .239 .233</th> <th>Gross Valve Lift .427 .390 .390 .360 .358</th> <th>Center Line C/L 117 108 111 103</th> <th></th> <th>Valve Lash Clearance HYD. HYD. HYD.</th>	194 194 184 184 180 180 208 208 208 202	(0.06/Rocker Arm Ratio) Cam Lift Opens Closes Duration 280 258 258 229 225 225 246 246 246	Lift .285 .260 .260 .240 .239 .233	Gross Valve Lift .427 .390 .390 .360 .358	Center Line C/L 117 108 111 103		Valve Lash Clearance HYD. HYD. HYD.
CCS-42 INT. EXH. CFC-1 INT. EXH. CFC-3 INT. EXH. CLT-1 INT. EXH. FOV-6 INT. EXH. FOV-79 INT. EXH. FOV-8 INT. EXH. HSC-1 INT. EXH. HSC-3 INT. EXH. HSC-4 INT. EXH. HSC-3 INT. EXH. HSC-4 INT. EXH. HSC-7 INT. EXH. HSC-10 INT. EXH. HSC-11 INT. EXH. HSC-10 INT. EXH. MC762 INT. EXH. MC762 INT. EXH. MC769 INT. EXH. MC797 INT. EXH. MC803 INT. EXH. MC804 INT. EXH. MC810 INT. EXH. MC814 INT. EXH.	194 194 184 184 180 180 208 208 208 202	258 258 229 225 246 246 246	.260 .260 .240 .239 .233	.390 .390 .360 .358	108 111		HYD.
EXH. CFC-1 INT. EXH. CFC-3 CFC-3 INT. EXH. CLT-1 CLT-1 INT. EXH. FOV-6 FOV-9 INT. EXH. FOV-9 FOV-9 INT. EXH. HSC-1 HSC-3 INT. EXH. HSC-3 HSC-4 INT. EXH. HSC-6 HSC-7 INT. EXH. HSC-10 HSC-10 INT. EXH. HSC-11 HSC-10 INT. EXH. HSC-12 HSC-11 INT. EXH. MC762 MC762 INT. EXH. MC769 MC769 INT. EXH. MC797 MC803 INT. EXH. MC803 MC810 INT. EXH. MC814 MC816 INT.	194 184 184 180 180 208 208 208 202	258 229 225 246 246	.260 .240 .239 .233	.390 .360 .358	111		
CFC-1 INT. EXH. CFC-3 INT. EXH. CLT-1 INT. EXH. FOV-6 INT. EXH. FOV-9 INT. EXH. FOV-9 INT. EXH. HSC-1 INT. EXH. HSC-3 INT. EXH. HSC-3 INT. EXH. HSC-4 INT. EXH. HSC-5 INT. EXH. HSC-6 INT. EXH. HSC-7 INT. EXH. HSC-10 INT. EXH. HSC-11 INT. EXH. MC762 INT. EXH. MC769 INT. EXH. MC769 INT. EXH. MC797 INT. EXH. MC803 INT. EXH. MC810 INT. EXH. MC8114 INT. EXH.	184 184 180 180 208 208 208 202	229 225 246 246	.240 .239 .233	.360 .358			HYD
EXH. CFC-3 INT. EXH. CLT-1 INT. EXH. FOV-6 INT. EXH. FOV-9 INT. EXH. FOV-9 INT. EXH. HSC-1 INT. EXH. HSC-2 INT. EXH. HSC-3 INT. EXH. HSC-3 INT. EXH. HSC-4 INT. EXH. HSC-6 INT. EXH. HSC-7 INT. EXH. HSC-10 INT. EXH. HSC-11 INT. EXH. MC762 INT. EXH. MC762 INT. EXH. MC769 INT. EXH. MC703 INT. EXH. MC803 INT. EXH. <t< td=""><td>184 180 180 208 208 208 202</td><td>225 246 246</td><td>.239 .233</td><td>.358</td><td>103</td><td></td><td></td></t<>	184 180 180 208 208 208 202	225 246 246	.239 .233	.358	103		
CFC-3 INT. EXH. EXH. CLT-1 INT. FOV-6 INT. FOV-7 INT. EXH. FOV-9 FOV-9 INT. EXH. HSC-1 HSC-1 INT. EXH. HSC-2 HSC-3 INT. EXH. HSC-3 HSC-4 INT. EXH. HSC-6 HSC-7 INT. EXH. HSC-7 HSC-10 INT. EXH. HSC-11 HSC-12 INT. EXH. HSC-12 HSC-12 INT. EXH. MC762 MC762 INT. EXH. MC769 MC797 INT. EXH. MC803 MC803 INT. EXH. MC810 MC810 INT. EXH. MC814 MC816 INT.	180 180 208 208 208 202	246 246	.233				0.016
EXH. CLT-1 INT. FOV-6 INT. FOV-9 INT. FOV-9 INT. FOX-1 INT. HSC-1 INT. HSC-3 INT. HSC-4 INT. HSC-3 INT. HSC-4 INT. HSC-5 INT. HSC-6 INT. HSC-7 INT. HSC-10 INT. EXH. HSC-10 HSC-11 INT. EXH. HSC-11 HSC-12 INT. EXH. MC762 MC762 INT. EXH. MC769 MC769 INT. EXH. MC797 MC797 INT. EXH. MC803 MC803 INT. EXH. MC810 MC810 INT. EXH. MC814 MC816 INT.	180 208 208 202	246			105		0.016
CLT-1 INT. FOV-6 INT. FOV-9 INT. FOV-9 INT. EXH. FOV-9 HSC-1 INT. EXH. HSC-1 HSC-2 INT. EXH. HSC-3 HSC-3 INT. EXH. HSC-4 HSC-3 INT. EXH. HSC-6 HSC-7 INT. EXH. HSC-10 HSC-11 INT. EXH. HSC-11 HSC-12 INT. EXH. MC762 MC762 INT. EXH. MC769 MC769 INT. EXH. MC797 MC797 INT. EXH. MC803 MC803 INT. EXH. MC810 MC810 INT. EXH. MC814 MC816 INT.	208 208 202		000	.350	123		HYD.
EXH. FOV-6 INT. FOV-9 INT. FOV-9 INT. HSC-1 INT. HSC-2 INT. HSC-3 INT. HSC-4 INT. HSC-3 INT. HSC-4 INT. HSC-7 INT. HSC-6 INT. HSC-7 INT. HSC-10 INT. HSC-11 INT. HSC-12 INT. HSC-12 INT. EXH. MC762 MC769 INT. EXH. MC797 MC794 INT. EXH. MC803 MC803 INT. EXH. MC803 MC810 INT. EXH. MC814 MC816 INT.		264	.233	.350	90		HYD.
FOV-6 INT. EXH. FOV-9 INT. EXH. HSC-1 INT. EXH. HSC-2 INT. EXH. HSC-3 INT. EXH. HSC-4 INT. EXH. HSC-3 INT. EXH. HSC-6 INT. EXH. HSC-7 INT. EXH. HSC-10 INT. EXH. HSC-11 INT. EXH. HSC-12 INT. EXH. MC762 INT. EXH. MC769 INT. EXH. MC797 INT. EXH. MC803 INT. EXH. MC803 INT. EXH. MC810 INT. EXH. MC814 INT. EXH.	202		.273	.396		1.45	0.004
EXH. FOV-9 INT. EXH. HSC-1 INT. EXH. HSC-2 INT. EXH. HSC-3 INT. EXH. HSC-3 INT. EXH. HSC-3 INT. EXH. HSC-4 INT. EXH. HSC-6 INT. EXH. HSC-10 INT. EXH. HSC-11 INT. EXH. HSC-12 INT. EXH. MC762 INT. EXH. MC769 MC769 INT. EXH. MC797 MC797 INT. EXH. MC803 MC803 INT. EXH. MC810 MC810 INT. EXH. MC814 MC816 INT.		247	.273	.396	108		0.006
FOV-9 INT. EXH. HSC-1 INT. EXH. HSC-2 INT. EXH. HSC-3 INT. EXH. HSC-4 INT. EXH. HSC-6 INT. EXH. HSC-7 INT. EXH. HSC-10 INT. EXH. HSC-11 INT. EXH. HSC-12 INT. EXH. MC762 INT. EXH. MC769 INT. EXH. MC769 INT. EXH. MC791 INT. EXH. MC803 INT. EXH. MC803 INT. EXH. MC810 INT. EXH. MC814 INT. EXH.	202	251	.273	.389	107	1.5	0.019
EXH. HSC-1 INT. HSC-2 INT. HSC-3 INT. HSC-4 INT. HSC-6 INT. HSC-7 INT. HSC-7 INT. HSC-7 INT. HSC-7 INT. HSC-10 INT. HSC-11 INT. HSC-12 INT. HSC-12 INT. EXH. HSC-12 MC762 INT. EXH. MC762 MC769 INT. EXH. MC797 MC797 INT. EXH. MC803 MC810 INT. EXH. MC814 MC814 INT. EXH. MC816	202	251	.273	.389	117		0.019
HSC-1 INT. HSC-2 INT. HSC-3 INT. HSC-4 INT. HSC-7 INT. HSC-6 INT. HSC-7 INT. HSC-7 INT. HSC-7 INT. HSC-7 INT. HSC-7 INT. HSC-10 INT. HSC-11 INT. HSC-12 INT. HSC-12 INT. EXH. MC762 MC769 INT. EXH. MC797 MC797 INT. EXH. MC803 MC810 INT. EXH. MC814 MC814 INT. EXH. MC816	185	256	.244	.366	112		HYD.
EXH. HSC-2 INT. EXH. HSC-3 INT. EXH. HSC-4 INT. EXH. HSC-6 INT. EXH. HSC-7 INT. EXH. HSC-10 INT. EXH. HSC-11 INT. EXH. HSC-12 INT. EXH. MC769 INT. EXH. MC769 INT. EXH. MC797 INT. EXH. MC797 INT. EXH. MC803 INT. EXH. MC809 INT. EXH. MC810 INT. EXH. MC814 INT. EXH. MC816 INT. EXH.	. 185	256	.244	.366	103		HYD.
HSC-2 INT. EXH. HSC-3 INT. EXH. HSC-4 INT. EXH. HSC-6 INT. EXH. HSC-7 INT. EXH. HSC-10 INT. EXH. HSC-11 INT. EXH. HSC-12 INT. EXH. MC762 INT. EXH. MC769 INT. EXH. MC769 INT. EXH. MC797 INT. EXH. MC803 INT. EXH. MC803 INT. EXH. MC810 INT. EXH. MC814 INT. EXH. MC816 INT. EXH.	218		.270				0.006
EXH. HSC-3 INT. EXH. HSC-4 INT. EXH. HSC-6 INT. EXH. HSC-7 INT. EXH. HSC-10 INT. EXH. HSC-11 INT. EXH. HSC-12 INT. EXH. MC769 INT. EXH. MC769 INT. EXH. MC797 INT. EXH. MC797 INT. EXH. MC803 INT. EXH. MC809 INT. EXH. MC810 INT. EXH. MC814 INT. EXH. MC816 INT. EXH.	. 223	298	.271				0.006
HSC-3 INT. EXH. HSC-4 INT. EXH. HSC-6 INT. EXH. HSC-7 INT. EXH. HSC-10 INT. EXH. HSC-11 INT. EXH. HSC-12 INT. EXH. MSC-12 INT. EXH. MC762 INT. EXH. MC763 INT. EXH. MC769 INT. EXH. MC797 INT. EXH. MC803 INT. EXH. MC810 INT. EXH. MC814 INT. EXH. MC816 INT. EXH.	208	254	.256				0.012
EXH. HSC-4 INT. HSC-6 INT. HSC-7 INT. HSC-10 INT. HSC-11 INT. HSC-12 INT. HSC-12 INT. HSC-12 INT. MC762 INT. EXH. MC762 MC763 INT. EXH. MC769 MC794 INT. EXH. MC797 MC803 INT. EXH. MC803 MC810 INT. EXH. MC814 MC816 INT.	214	262	.258				0.004
HSC-4 INT. EXH. HSC-6 INT. EXH. HSC-7 INT. EXH. HSC-10 INT. EXH. HSC-11 INT. EXH. HSC-12 INT. EXH. MC762 INT. EXH. MC769 INT. EXH. MC769 INT. EXH. MC794 INT. EXH. MC797 INT. EXH. MC803 INT. EXH. MC810 INT. EXH. MC810 INT. EXH. MC814 INT. EXH.	218		.270				HYD.
EXH. HSC-6 INT. HSC-7 INT. EXH. HSC-10 HSC-11 INT. EXH. HSC-11 HSC-12 INT. EXH. HSC-12 MC762 INT. EXH. MC769 MC769 INT. EXH. MC769 MC797 INT. EXH. MC791 MC803 INT. EXH. MC803 MC810 INT. EXH. MC814 MC816 INT.	223	298	.271				HYD.
HSC-6 INT. HSC-7 INT. HSC-10 INT. HSC-10 INT. HSC-11 INT. HSC-12 INT. HSC-12 INT. HSC-12 INT. MC762 INT. EXH. MC769 MC769 INT. EXH. MC797 MC794 INT. EXH. MC803 MC803 INT. EXH. MC803 MC810 INT. EXH. MC814 MC816 INT.	218		.270				HYD.
HSC-6 INT. HSC-7 INT. HSC-10 INT. HSC-10 INT. HSC-11 INT. HSC-12 INT. HSC-12 INT. HSC-12 INT. MC762 INT. EXH. MC769 MC769 INT. EXH. MC797 MC794 INT. EXH. MC803 MC803 INT. EXH. MC803 MC810 INT. EXH. MC814 MC816 INT.			.271				HYD.
EXH. HSC-7 INT. EXH. HSC-10 INT. EXH. HSC-11 INT. EXH. HSC-12 INT. EXH. MC762 INT. EXH. MC769 INT. EXH. MC794 INT. EXH. MC797 INT. EXH. MC803 INT. EXH. MC809 INT. EXH. MC809 INT. EXH. MC810 INT. EXH. MC814 INT. EXH. MC816 INT. EXH.	208		.256				0.004
HSC-7 INT. EXH. HSC-10 INT. EXH. HSC-11 INT. EXH. HSC-12 INT. EXH. MC762 INT. EXH. MC769 INT. EXH. MC769 INT. EXH. MC794 INT. EXH. MC797 INT. EXH. MC803 INT. EXH. MC803 INT. EXH. MC804 INT. EXH. MC810 INT. EXH. MC814 INT. EXH. MC816 INT.			.258				0.012
EXH. HSC-10 INT. EXH. HSC-11 INT. EXH. HSC-12 INT. EXH. MC762 INT. EXH. MC769 INT. EXH. MC794 INT. EXH. MC797 INT. EXH. MC803 INT. EXH. MC809 INT. EXH. MC809 INT. EXH. MC810 INT. EXH. MC814 INT. EXH.	194	258	.221	.332			0.006
HSC-10 INT. HSC-11 INT. EXH. HSC-12 HSC-12 INT. EXH. HSC-12 MC762 INT. EXH. MC769 MC769 INT. EXH. MC794 MC797 INT. EXH. MC803 MC803 INT. EXH. MC803 MC810 INT. EXH. MC814 MC816 INT.		276	.218	.327			0.006
EXH. HSC-11 INT. EXH. HSC-12 INT. EXH. MC762 INT. EXH. MC769 INT. EXH. MC794 INT. EXH. MC797 INT. EXH. MC803 INT. EXH. MC809 INT. EXH. MC810 INT. EXH. MC814 INT. EXH. MC816 INT.	200		.222				0.011
HSC-11 INT. EXH. HSC-12 INT. EXH. MC762 INT. EXH. MC769 INT. EXH. MC794 INT. EXH. MC797 INT. EXH. MC803 INT. EXH. MC803 INT. EXH. MC804 INT. EXH. MC805 INT. EXH. MC810 INT. EXH. MC814 INT. EXH. MC816 INT. EXH.			.225				0.006
EXH. HSC-12 INT. EXH. MC762 INT. EXH. MC769 INT. EXH. MC794 INT. EXH. MC797 INT. EXH. MC803 INT. EXH. MC809 INT. EXH. MC810 INT. EXH. MC814 INT. EXH. MC816 INT.	218		.267				0.011
HSC-12 INT. EXH. MC762 INT. EXH. MC769 INT. EXH. MC794 INT. EXH. MC797 INT. EXH. MC803 INT. EXH. MC803 INT. EXH. MC810 INT. EXH. MC814 INT. EXH. MC816 INT. EXH.			.262				0.006
EXH. MC762 INT. EXH. MC769 INT. EXH. MC794 INT. EXH. MC797 INT. EXH. MC803 INT. EXH. MC809 INT. EXH. MC810 INT. EXH. MC814 INT. EXH. MC816 INT.	218		.267				0.006
MC762 INT. MC769 INT. EXH. EXH. MC794 INT. EXH. MC797 MC797 INT. EXH. MC797 MC803 INT. EXH. MC803 MC809 INT. EXH. MC810 MC814 INT. EXH. MC814 MC816 INT. EXH. EXH.			.262				0.011
EXH. MC769 INT. EXH. MC794 INT. EXH. MC797 INT. EXH. MC803 INT. EXH. MC809 INT. EXH. MC810 INT. EXH. MC814 INT. EXH. MC816 INT.	191	271	.259	.388	115		HYD.
MC769 INT. MC794 INT. EXH. EXH. MC797 INT. EXH. MC803 MC803 INT. EXH. MC803 MC809 INT. EXH. MC810 MC810 INT. EXH. MC816 MC816 INT. EXH. EXH.		271	.259	.388	115		HYD.
EXH. MC794 INT. EXH. MC797 INT. EXH. MC803 INT. EXH. MC809 INT. EXH. MC810 INT. EXH. MC814 INT. EXH. MC816 INT.	232		.292				.008
MC794 INT. EXH. EXH. MC797 INT. EXH. EXH. MC803 INT. EXH. MC809 MC810 INT. EXH. MC810 MC814 INT. EXH. MC814 MC816 INT.			.292				.008
EXH. MC797 INT. EXH. MC803 INT. EXH. MC809 INT. EXH. MC810 INT. EXH. MC814 INT. EXH. MC816 INT. EXH.	224		.259				.006
MC797 INT. EXH. MC803 INT. EXH. MC809 INT. EXH. MC810 INT. EXH. MC814 INT. EXH. MC816 INT. EXH.			.259				.011
EXH. MC803 INT. EXH. MC809 INT. EXH. MC810 INT. EXH. MC814 INT. EXH. MC816 INT. EXH.	215		.242				.012
MC803 INT. MC809 INT. EXH. EXH. MC810 INT. EXH. EXH. MC814 INT. MC816 INT. EXH. EXH.			.242				.012
EXH. MC809 INT. EXH. MC810 INT. EXH. MC814 INT. EXH. MC816 INT. EXH.	189		.250				.008
MC809 INT. EXH. EXH. MC810 INT. EXH. INT. MC814 INT. EXH. EXH. MC816 INT. EXH. EXH.			.256				.014
EXH. MC810 INT. EXH. MC814 INT. EXH. MC816 INT. EXH.	197	270	.265	.397	110		HYD.
MC810 INT. EXH. MC814 INT. EXH. MC816 INT. EXH.		270	.265	.397	114		HYD.
EXH. MC814 INT. EXH. MC816 INT. EXH.	230	210	.293	.001			HYD.
MC814 INT. EXH. MC816 INT. EXH.			.293				HYD.
EXH. MC816 INT. EXH.	196	276	.246	.359	102	1.46	HYD.
MC816 INT. EXH.		294	.254	.370	117	1.40	HYD.
EXH.	. 200	<u></u>	.234	.010	117		HYD.
			.283				HYD.
	. 223		.203				HYD.
EXH.			.276				HYD.
MC821 INT.	220	240	.276	.405		1.72	HYD.
EXH.		240	.250	.405		1.72	HYD.
MC822 INT.			.230	.401		<u> </u>	HYD.
EXH.	000		.276				HYD.
MC830 INT.	220		.270				HYD. HYD.
EXH.	. 220						
MC831 INT.	<u>220</u> 164		.212				HVD
EXH.	<u>220</u> 164			.375		1	HYD. HYD.

Part		Specs @ 0.50 Cam Lift	SAE Specs@ (0.06/Rocker Arm Ratio) Cam Lift	Cam	Gross	Center	Pookor	Valve Lash
No.		Opens Closes Duration	Opens Closes Duration	Lift	Valve Lift			Clearance
MC832	INT.	200						HYD.
140005	EXH.	202	07.1	.375	.375	100		HYD.
MC835	INT. EXH.	188 188	254 254	.216	.354	120 104	1.64	HYD. HYD.
MC836	INT.	188	254	.216 .245	.354	104		HYD. HYD.
INICO30	EXH.	193		.245				HYD.
MC839	INT.	204		.225				0.006
	EXH.	203		.225				0.01
MC840	INT.	206		.220				0.012
	EXH.	206		.220				0.012
MC841	INT.	205		.215				HYD.
101000	EXH.	205		.214				HYD.
MC1200	INT. EXH.	219 220		0.278 0.280				HYD. HYD.
MC1230	INT.	220		.224				HYD.
101200	EXH.	214		.249				HYD.
MC1231	INT.	185	272	.245	.423	106	1.73	HYD.
	EXH.	203	288	.259	.447	114		HYD.
MC1234	INT.	196		.220				HYD.
	EXH.	208		.240				HYD.
MC1237	INT.	192		.239				HYD.
	EXH.	192		.239			_	HYD.
MC1238	INT.	210		.265				HYD.
MC1239	EXH. INT.			.265 .230				HYD. 0.006
INIC 1239	EXH.	217 219		.230				0.008
MC1240	INT.	181	248	.248	.372	108	1.5	HYD
	EXH.	192	250	.267	.401	110		HYD
MC1241	INT.	185		.240	.415		1.73	HYD.
	EXH.	201		.241	.417			HYD.
MC1242	INT.	196	286	.260	.448	109		HYD.
	EXH.	196	286	.259	.448	113	_	HYD.
MC1243	INT.	182		.246				HYD.
MC1244	EXH. INT.			.246 .246				HYD. HYD.
101244	EXH.	182		.240				HYD.
MC1245	INT.	197		.210				HYD.
	EXH.	208		.230				HYD.
MC1246	INT.	229		.291				HYD.
	EXH.	229		.291			_	HYD.
MC1249	INT.	188	294	.252	.403	111	1.6	HYD.
101050	EXH.	191	304	.255	.408	117		HYD.
MC1250	INT. EXH.	186 191	293 299	.250 .255	.400 .408	109 117		HYD. HYD.
MC1251	INT.	181	284	.255	.403	117		HYD.
MOTEOT	EXH.	191	301	.255	.408	109		HYD.
MC1252	INT.	191		.267				HYD.
	EXH.	191		.267				HYD.
MC1253	INT.	184	254	.258	.413	114		HYD.
	EXH.	193	267	.269	.430	110		HYD.
MC1254	INT.	186		.245				HYD.
MC10FF	EXH. INT.	186		.245				HYD.
MC1255	EXH.	192 190		.248 .239				HYD. HYD.
MC1256	INT.	200	287	.239	.416	124		HYD.
	EXH.	200	287	.260	.416	118		HYD.
MC1257	INT.	200	287	.260	.416	110		HYD.
	EXH.	200	287	.260	.416	118		HYD.
MC1258	INT.	191	272	.261	.417	110		HYD.

_			SAE Specs@	_	_	_		
Part No.		Specs @ 0.50 Cam Lift Opens Closes Duration	(0.06/Rocker Arm Ratio) Cam Lift Opens Closes Duration	Cam Lift	Gross Valve Lift	Center Line C/L		Valve Lash
	EXH.	191	272	.261	.417	110		HYD.
MC1259	INT.	189	277	.263	.384	107	1.46	HYD.
	EXH.	206	299	.276	.402	117		HYD.
MC1260	INT.	184	264	.275	.401	106		HYD.
	EXH.	202	294	.275	.401	110		HYD.
MC1261	INT.	191	270	.260	.390	110	1.5	HYD.
	EXH.	191	270	.260	.390	110		HYD.
MC1262	INT.	205	270	.265	.398	113		HYD.
	EXH.	196	259	.265	.398	117	1.6	HYD.
MC1265	INT.	184		.256				HYD.
	EXH.	185		.256				HYD.
MC1266	INT.	189		.273				.008
MC1268	INT.	192	271	.248	.434	109	1.75	HYD
	EXH.	192	271	.248	.434	115		HYD
MC1269	INT.	191	266	.248	.434	109		HYD.
	EXH.	191	266	.248	.434	115		HYD.
MC1270	INT.	188	349	.248	.438	109		HYD
	EXH.	188	349	.248	.438	115		HYD
MC1271	INT.	216	250	.401	.401		1.0	HYD.
	EXH.	216	250	.401	.401			HYD.
MC1272	INT.	196		.273				0.009
MC1272	EXH.	209		.299				0.003
MC1274	INT.	183	254	.251	.376	108	1.5	HYD.
101214	EXH.	193	264	.268	.402	114	1.5	HYD.
MC1275	INT.	208	277	.288	.432	121	_	HYD.
101275	EXH.	208	274	.200	.440	115		HYD.
MC1276	INT.	200	250	.297	.297	105	1	0.008
101270	EXH.	204	250	.231	.231	105	- ' - I	0.000
MC1277	INT.					105	1.0	
101211	EXH.	204	240	.297	.297	107	1.0	0.01
MC1278	INT.	191	282	.252	.403	114	1.6	HYD.
101270	EXH.	200	288	.260	.403	120	1.0	HYD.
MC1279	INT.	188	200	.259	.410	120		HYD.
101275	EXH.	196		.259				HYD.
MC1280	INT.	188		.259				HYD.
101200	EXH.	196		.259				HYD.
MC1281	INT.	230		.293				HYD.
101201	EXH.	230		.293				HYD.
MC1282	INT.	230		.293		101		0.008
101202	EXH.	232		.293		101		0.008
MC1283	INT.	196		.267	-	101		HYD.
101203	EXH.	190		.267				HYD.
MC1284	INT.	232		.207				0.008
101204	EXH.	232		.293				0.008
MC1285	INT.	232		.293				0.008
101200	EXH.	232		.293				0.008
MC1006								
MC1286	INT. EXH.	230 230		.293 .293				HYD. HYD.
MC1287			074		440	100		
IVIC1207	INT.	196	274	.275	.440	108		HYD.
101000	EXH.	208	296	.275	.440	112		HYD.
MC1288	INT.	186	273	.263	.421	118		HYD.
MC1000	EXH.	197	283	.279	.447	113	1.40	HYD.
MC1289	INT.	194	278	.272	.397	113	1.46	HYD.
MOtoco	EXH.	198	283	.276	.404	117	4 5	HYD.
MC1290	INT.	194	258	.260	.390	109	1.5	HYD.
MOtoct	EXH.	202	270	.273	.409	109	4 7	HYD.
MC1291	INT.	200	270	.248	.421	114	1.7	HYD.
MOtoco	EXH.	206	273	.253	.430	114	1.0	HYD.
MC1292	INT.	182	262	.258	.413	118	1.6	HYD.

				SA	E Specs@)					
Part No.		Specs @ 0.50 Cam Lift Opens Closes Dur	ation	(0.06/Rocker Opens	Arm Ration Closes	o) Cam Lift Duration	Cam Lift	Gross Valve Lift	Center Line C/L		Valve Lash Clearance
	EXH.	-	91			275	.258	.413	112		HYD.
MC1293	INT.	1	92				.312				.008
MC1294	EXH.	1	93				.315				.010
MC1295	INT.	1	74				.216				HYD.
	EXH.										HYD.
MC1296	INT.										HYD.
	EXH.	1	67				.204				HYD.
MC1297	INT.	1	88			256	.255	.407	100		HYD.
	EXH.	1	92			260	.259	.415	115		HYD.
MC1298	INT.	2	08				.388				.009
	EXH.	2	08				.388				.011
MC1299	INT.	2	08				.388				.009
	EXH.	2	08				.388				.011
MC1301	INT.		88				.259				HYD.
	EXH.	1	96				.259				HYD.
MC1302	INT.		88				.259				HYD.
	EXH.		96				.259				HYD.
MC1303	INT.		98			265	.287	.430	116	1.5	HYD.
	EXH.		98			265	.287	.430	110		HYD.
MC1304	INT.		97			263	.272	.409	113	-	HYD.
	EXH.		97			263	.272	.409	111		HYD.
MC1309	INT.		84			253	.258	.387	109		HYD.
mereee	EXH.		93			266	.269	.403	115		HYD.
MC1310	INT.		94			200	.290	.100	110	-	.008
MC1311	EXH.		00				0.296			-	0.008
MC1315	INT.		<u>91</u>			260	.276	.415	106		HYD.
Motoro	EXH.		95			263	.286	.429	116		HYD.
MC1316	INT.		04			273	.282	.480	118	1.7	HYD.
WC1310	EXH.		09			298	.284	.483	118	1.7	HYD.
MC1317	INT.		.03 97			282	.292	.496	123	-	HYD.
WOTOT	EXH.		09			290	.292	.496	116		HYD.
MC1318	INT.		08			230	.389	.430	110		0.009
WC1310	EXH.		08				.389				0.009
MC1319	INT.		08				.389				0.009
10101019	EXH.		08				.389				0.003
MC1320	INT.		91			261	.276	.414	106	1.5	HYD.
10101020	EXH.		91 94			263	.285	.414	116	1.0	HYD.
MC1220		I	94			203		.420	110		THD.
MC1329 MC1334	INT. INT.	1	88			251	.350 .274	.411	116		HYD.
10101334	EXH.		oo 94			251	.274	.411	107		HYD.
MC1335	INT.		94 02			268	.299	.417	116		HYD.
NIC 1335	EXH.					200					HYD.
MC1006			08				.306	.460	117		
MC1336	INT.		01			270	.298	.447	117		HYD.
MO1007	EXH.		08			276	.306	.459	117	-	HYD.
MC1337	INT.		91 05			259	.276	.414	106		HYD.
	EXH.		95			263	.285	.428	116	_	HYD.
MC1351	INT.		85			262	.263	.395	111		HYD.
MOASES	EXH.		85			262	.263	.395	110	_	HYD.
MC1359	INT.		86				.279				
Modest	EXH.		90				.280			_	
MC1361	INT.		14				.267				
MOLOCO	EXH.		10			074	.221	100	110	_	LIVE
MC1362	INT.		97			271	.272	.409	113		HYD.
	EXH.	1	97			271	.272	.409	112	_	HYD.
MC1364	INT.						0.1776			_	
MC1365	INT.		76				0.3170				
	EXH.		12				0.2897			_	
MC1376	INT.		88				.255	0.408	110		HYD
	EXH.	1	90				.259	0.414	105		HYD

			SAE Specs@					
Part No.		Specs @ 0.50 Cam Lift Opens Closes Duration	(0.06/Rocker Arm Ratio) Cam Lift Opens Closes Duration	Cam Lift	Gross Valve Lift	Center Line C/L		Valve Lash Clearance
MC1377	INT.	188		.255	0.408	110		HYD
	EXH.	190		.259	0.414	105		HYD
MC1382	INT.	.274	202					
	EXH.	.275	242					
MC1383	INT.	195	281	.273	.464	113	1.7	HYD.
	EXH.	208	291	.280	.476	118	_	HYD.
MC1384	INT.	192	279	.268	.456	117		HYD.
000 0	EXH.	190	281	.274	.466	110	10	HYD.
SBC-3	INT.	207	284	.269	.430	112	1.6	HYD
SBC-4	EXH. INT.		284	.269 .243	.430	116		HYD HYD.
300-4	EXH.	226		.243 .286				HYD.
SBC-5	INT.	191	276	.242	.387	109		HYD.
300-5	EXH.	208	270 297	.242	.403	116		HYD.
SBC-8	INT.	194	272	.252	.403	112		HYD.
000-0	EXH.	194	283	.244	.401	112		HYD
SBC-11	INT.	172	241	.207	.331	105		HYD.
000 11	EXH.	182	261	.216	.346	106		HYD.
SBC-12	INT.	180	250	.224	.358	100		HYD.
000 12	EXH.	194	280	.240	.384	110		HYD.
SBC-13	INT.	195	272	.251	.401	112		HYD.
02010	EXH.	194	280	.240	.384	110		HYD.
SBC-14	INT.	193	282	.250	.400	104		HYD.
	EXH.	196	276	.264	.422	110		HYD.
SBC-15	INT.	180	251	.224	.358	104		HYD.
	EXH.	194	280	.240	.384	110		HYD.
SBC-16	INT.	180	251	.224	.358	104		HYD.
	EXH.	194	280	.240	.384	110		HYD.
SBOT-1	INT.	196	271	.251	.401	106		HYD.
	EXH.	196	271	.251	.401	112		HYD.
SDC-1	INT.	248		.276				
	EXH.	248		.276				
SDC-2	INT.	220	285	.289				0.012
	EXH.	220	285	.289				0.012
SDC-7	INT.	226		.269				0.012
	EXH.	226		.269			_	0.012
SDC-8	INT.	227		.280				0.012
	EXH.	227		.280				0.012
SFP-2	INT.	196	268	.244	.400	129	1.64	HYD.
	EXH.	196	268	.244	.400	111		HYD.
SFP-4	INT. EXH.	202 202		.256 .256				0.014 0.016
SFP-5	INT.		236	.236			_	HYD.
366-3	EXH.	206	230	.230				HYD. HYD.
SIH-1	INT.	188	220	.262	.445		1.7	HYD.
	EXH.	180		.236	.400		1.7	HYD.
SIH-6	INT.	176		.254	.+00	103		HYD.
	EXH.	184		.253		105		HYD
SOC-9	INT.	187	276	.250	.400	106	1.6	HYD
	EXH.	200	290	.251	.401	112		HYD
SOC-10	INT.	180	256	.247	.395	106		HYD
	EXH.	187	276	.250	.400	112		HYD
SOC-11	INT.	164	235	.251	.401	96		HYD
	EXH.	192	269	.279	.446	114		HYD
SOC-12	INT.	172	248	.235	.376	100		HYD
	EXH.	192	274	.235	.376	114		HYD
SOC-14	INT.	178	249	.247	.395	102		HYD
	EXH.	186	256	.251	.401	116		HYD
SPC-3	INT.	224	298	.271	.406	112	1.5	HYD

Part No. SPC-4 SPC-5 SPC-7	EXH. INT. EXH.	Specs @ 0.50 Cam Lift Opens Closes Duration 236 198	(0.06/Rocker Arm Ratio) Cam Lift Opens Closes Duration 310	t Cam Lift .271	Gross Valve Lift			Valve Lash Clearance
SPC-5	INT. EXH.		310	071	400			
SPC-5	EXH.	198			.406	119		HYD
			272	.270	.404	106		HYD
		208	280	.272	.408	116		HYD
SPC-7	INT.	198	272	.270	.404	106		HYD
SPC-7	EXH.	208	280	.272	.408	116		HYD
	INT.	212	285	.272	.409	113		HYD
	EXH.	225	298	.271	.408	118		HYD
SPC-8	INT.	231	304	.313	.470	112		HYD
	EXH.	240	316	.313	.470	115		HYD
SPC-9	INT.	189	264	.243	.364	105		HYD
0.00 /0	EXH.	189	264	.243	.364	110		HYD
SPC-10	INT.	188	277	.232	.406	113	1.75	HYD
000 44	EXH.	188	277	.232	.406	110	4.5	HYD
SPC-11	INT.	181	256	.233	.349	108	1.5	HYD
000.40	EXH.	181	256	.233	.349	104		HYD
SPC-12	INT.	209	292	.252	.378	115		HYD
SPC-13	EXH. INT.		264 277	.243 .232	.364 .405	112 113	1.75	HYD HYD
5PC-13							1.75	
SPC-15	EXH. INT.		277 247	.232	.405 .413	110	1.72	HYD HYD
5PC-15	EXH.		247 221	.240 .239			1.72	
SPC-16	INT.		221	.239	.411 .432			HYD HYD.
360-10	EXH.	223	266	.251	.432			HYD.
SPC-17	INT.	188	200	.233	.406	113	1.75	HYD.
51 0-17	EXH.	188	276	.231	.406	110	1.75	HYD
SPC-18	INT.	188	276	.231	.406	113		HYD
	EXH.	188	276	.231	.406	110		HYD
SPC-19	INT.	213	252	.262	.450	110	1.72	HYD
	EXH.	210	252	.262	.451		1.7 2	HYD.
SPD-3	INT.	198	272	.270	.405	107	1.5	0.01
	EXH.	202	260	.275	.414	111		0.02
SPD-11	INT.	208	283	.287	.431	110		HYD
	EXH.	210	296	.286	.429	116		HYD
SPD-20	INT.	180	264	.248	.372	110		HYD
	EXH.	192	274	.266	.400	108		HYD
SPD-22	INT.	209	279	.286	.429	112		HYD
	EXH.	220	289	.296	.444	116		HYD
SPD-25	INT.	203	278	.273	.410	108		HYD
	EXH.	203	278	.273	.410	111		HYD
SPD-27	INT.	188	255	.252	.378	108		HYD
	EXH.	188	255	.252	.378	102		HYD
SPD-28	INT.	218	273	.243	.430		1.77	HYD
	EXH.	218	273	.243	.430		_	HYD
SPD-29	INT.	217	273	.243	.430	112		HYD
	EXH.	217	273	.243	.430	104		HYD
SPD-30	INT.	214	268	.243	.430			HYD.
	EXH.	214	268	.243	.430	110	1.5	HYD.
SPD-31	INT. EXH.	213	302 324	.298	.447	112 118	1.5	HYD
SPD-33	INT.	225 214	268	.306	.459	110	1.77	HYD HYD.
0FD-00	EXH.	214 214	268	.243 .243	.437 .437		1.77	HYD.
SPD-34	INT.	194	267	.245	.437			HYD.
	EXH.	194	264	.245	.434			HYD
SPD-35	INT.	190	267	.245	.434			HYD
5. 5 00	EXH.	194	264	.245	.434			HYD
SRC-5	INT.	190	263	.245	.434	109	1.6	HYD
2	EXH.	196	263	.266	.425	112		HYD
SRC-6	INT.	185	259	.254	.380	109	1.5	HYD.
	EXH.	185	259	.254	.380	112		HYD.

_			SAE Specs@	_	_	_		
Part No.		Specs @ 0.50 Cam Lift Opens Closes Duration	(0.06/Rocker Arm Ratio) Cam Lift Opens Closes Duration	Cam Lift	Gross Valve Lift	Center Line C/L		Valve Lash Clearance
SRC-8	INT.	. 191	262	.252	.377	113		HYD
	EXH.	191	262	.251	.377	115		HYD
SRC-9	INT.	196	270	.265	.424	109	1.6	HYD
	EXH.	196	270	.265	.424	115		HYD
SSC-1	INT.	196	226	.221				MECH
	EXH.	196	226	.221				MECH
SVW-1	INT.	224	254	.405	.405		1.0	0.01
	EXH.	224	248	.405	.405			0.018
SWC-1	INT.	200		.220				0.018
	EXH.	206		.371				0.016
SYB-2	INT.	197	258	.262	.419	110	1.6	.019
	EXH.	196	258	.262	.419	116		.019
SYB-8	INT.	186	270	.232	.394	108	1.7	HYD
	EXH.	186	270	.232	.394	113	_	HYD
SYB-9	INT.	187	261	.238	.380	103	1.6	HYD
	EXH.	187	261	.238	.380	113		HYD
SYB-13	INT.	186	272	.232	.405	110	1.75	HYD
0)/5 / 5	EXH.	186	272	.232	.405	116	_	HYD
SYB-16	INT.	193	283	.244	.426	110		HYD.
0.00	EXH.	193	283	.244	.426	110		HYD.
SYB-19	INT.	193	273	.253	.437	110	1.73	HYD.
	EXH.	206	287	.277	.480	116		HYD.
SYB-21	INT.	192	272	.247	.428	109		HYD.
0)/D 00	EXH.	198	291	.250	.432	111	4.75	HYD.
SYB-22	INT.	192	274	.252	.442	108	1.75	HYD.
SYB-23	EXH. INT.		274 273	.252 .247	.442 .432	111 113		HYD. HYD
51D-23	EXH.	192	273 281	.247 .249				HYD
SYB-24	INT.		281	.249	.435 .416	111 103	1.6	HYD
31D-24	EXH.	194	270	.260	.416	103	1.0	HYD
SYB-25	INT.	184	293	.230	.368	112		HYD.
010-20	EXH.	189	265	.238	.380	104		HYD.
SYB-26	INT.	183	258	.237	.380	104		HYD.
010 20	EXH.	192	270	.247	.395	111		HYD
SYB-27	INT.	192	272	.247	.428	109	1.73	HYD.
0.2.2.	EXH.	198	291	.250	.432	111		HYD.
SYB-29	INT.	207	287	.278	.481	120		HYD.
	EXH.	221	307	.283	.489	110		HYD.
SYB-30	INT.	197	280	.260	.416	114	1.6	HYD
	EXH.	209	293	.278	.444	114		HYD
SYB-31	INT.	185	259	.225	.370		1.65	HYD.
	EXH.	193	275	.229	.377			HYD.
SYB-32	INT.	186	266	.240	.415	106	1.73	HYD.
	EXH.	201	275	.241	.417	114		HYD.
SYB-33	INT.	186	261	.240	.415	106		HYD.
	EXH.	201	275	.241	.416	114		HYD.
SYB-34	INT.	193	271	.229	.380	106	1.7	HYD
	EXH.	193	271	.229	.380	117	_	HYD
SYB-35	INT.	206	283	.278	.445	117	1.6	HYD
a) (= -	EXH.	221	304	.283	.453	113		HYD
SYB-36	INT.	206	260	.263				0.014
0)/5 65	EXH.	206	254	.264	000	100	1.01	0.016
SYB-37	INT.	187	246	.238	.390	108	1.64	HYD.
01/12 00	EXH.	190	250	.238	.390	116	1.0	HYD.
SYB-38	INT.	192	270	.247	.395	108	1.6	HYD
	EXH.	192	270	.247	.395	114	1.05	HYD
SYB-39	INT.	200	269	.239	.395	108	1.65	HYD.
SYB-42	EXH. INT.		269 275	.239 275	.395 .424	114	1.6	HYD. HYD
31D-42	INT.	208	215	2/5	.424	111	1.0	Πſυ

	SAE Specs@											
Part		-	s @ 0.50 Ca				 o) Cam Lift 	Cam	Gross	Center		Valve Lash
No.		Opens	Closes	Duration	Opens	Closes	Duration	Lift	Valve Lift	Line C/L	Arm Ratio	Clearance
	EXH.			208			275	275	.424	121		HYD
SYB-43	INT.			184			260	.237	.379	104		HYD.
	EXH.			192			272	.247	.395	111		HYD.
SYB-44	INT.			208			275	.265	.437		1.65	HYD.
	EXH.			208			275	.265	.437			HYD.
SYB-45	INT.			190				.240				HYD.
	EXH.			190				.240				HYD
SYB-46	INT.			190				.240				HYD.
	EXH.			190				.240				HYD.
SYB-47	INT.			190				.240				HYD.
	EXH.			190				.240				HYD.
SYB-48	INT.			202				.250				HYD.
	EXH.			190				.239				HYD.
SYB-49	INT.			202				.262				HYD.
	EXH.			202				.262				HYD.
SYB-50	INT.			198			287	.260	.416	110	1.6	HYD
	EXH.			198			287	.260	.416	118		HYD.
SYB-51	INT.			210			298	.278	.444	116		HYD.
	EXH.			211			282	.278	.445	115		HYD.
TSC-1	INT.			212			244	.262	.380		1.45	0.008
	EXH.			224			254	.264	.383			0.014
TSC-5	INT.			191				.197				.008
	EXH.			191				.197				.012



Camshaft Specifications CAUTION!!

1. Always install new lifters (followers) with a new camshaft. Installing used lifters with a new camshaft can cause premature failure of both the camshaft and the lifters.

2. Do not allow the engine to run under 1500 RPM for the first 20 minutes. The first few minutes of the engine operation are the most critical and tests have shown that if there is no metal pickup or spalling during this period, the camshaft will wear as long as the other engine components.

3. With performance camshafts - usually you will have to advance the distributor timing (on the vibration damper) more than stock specifications.

4. When installing any high performance or racing camshafts into an engine, check to make sure there is adequate clearance between the valves and pistons and also make sure the valve springs do not compress solid.

5. On all engines equipped with roto-coils or valve rotors in either the intake or exhaust positions check for possible coil bind. You might have to change the valve spring and retainer - (using aftermarket high performance valve springs is an alternative).

Listed below is a group classification for the custom (or high) performance camshafts listed in this catalog - (the durations shown are based on .050 cam lift). The descriptions within each group show the characteristics of the cams in that group as well as any recommended modifications to the car or engine that will help get the desired performance.

CLASS I (200° - 215°)

Good idle quality. Low RPM torque and mid range performance. Will work with stock or slightly modified engine. Manual or auto transmission.

CLASS II (215° - 230°)

Fair idle quality. Good low to mid range torque and horsepower. Will work with stock or modified engine. Manual or auto transmission. Possibly lower vacuum than stock.

CLASS III (230° - 245°)

Rough idle quality. Good mid to high RPM torque and horsepower. For use with manual or high stall auto transmission. May need improved carb, exhaust and ignition systems. Combination street and drag. Will have lower vacuum than stock.

CLASS IV

Rough idle quality. Mid to high RPM torque and horsepower. For serious racing. Need proper selection of rear axle ratio and improvements in carburation and exhaust systems. For use with manual transmission or automatic with a very high stall converter. Will not have enough vacuum for power accessories.

Melling Select Performance recommends using MELL-LUBE Engine Assembly Lube to prevent scoring or galling during engine start-up. MELL-LUBE also contains corrosion inhibitors to prevent rust and pitting to new engines. MELL-LUBE is not for use on cylinder walls or piston rings. MELL-LUBE now has 1,400 PPM zinc for better protection.

Use Intake Spec's Duration @ .050 Cam Lift	Approx. RPM Power Range	Approx. Peak Torque
200°	1000-4500	2500
210°	1500-5000	2800
220 °	2000-5500	3000
230 °	2500-6000	3500
240 °	3000-6500	4000
250 °	3500-7000	4500
260 °	4000-7500	5000
270°	4500-8000	5500

GEAR DRIVE / 3 PC BILLET STEEL SPEED SETS



PERFORMANCE TIMING GUIDE

- All gears are 8620 carburized steel
- Includes roller cam button, lock plate, and bolts
- Timing adjusted with optional 5 color coded dowel pin hole inserts
- Available in noisy and quiet versions

RECOMMENDED FOR STREET N STRIP, CLAIMER & RACING APPLICATIONS UP TO 6,500 RPM.

Part No.	Applications	Features
48400	Chevrolet S.B.	With Thrust Bearing (NOISY)
48400Q	Chevrolet S.B.	With Thrust Bearing (QUIET)
48410	Chevrolet S.B.	With Thrust Bearing (NOISY)
48410 Q	Chevrolet S.B.	With Thrust Bearing (QUIET)
48420	Ford S.B.	With Thrust Bearing (NOISY)
48430	Ford S.B.	With Thrust Bearing (NOISY)
48450	Chevrolet S.B.	With Thrust Bearing (NOISY)

GEAR DRIVE SPEED SETS

Check the application section for detailed year range information and required set number.

- Large .250 diameter seamless double roller chain
- Billet steel cam sprocket
- 3 keyway crank sprocket w/+4°/-4° cam adjustment
- Press fit roller thrust bearing and bronze washer options
- •9 keyway steel crank sprocket options, heat treated w/black oxide coating

RECOMMENDED FOR STREET N STRIP, CIRCLE TRACK, CLAIMER & HOT ROD APPLICATIONS



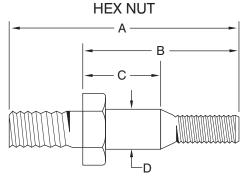
Part No.	Applications	Features	
48500T-9	Chevrolet S.B.	Press Fit Thrust Bearing	
48500W-9	Chevrolet S.B.	Bronze Washer	
48510T-9	Chevrolet S.B.	Press Fit Thrust Bearing	
48510W-9	Chevrolet S.B.	Bronze Washer	
48520T-9	Ford S.B.	Press Fit Thrust Bearing	
48520W-9	Ford S.B.	Bronze Washer	
48530T-9	Ford S.B.	Press Fit Thrust Bearing	
48551T-9 Ford S.B. Press Fit Thrust Bearing			

3 PC BILLET STEEL SPEED SETS

Check the application section for detailed year range information and required set number.

SCREW IN ROCKER ARM STUDS

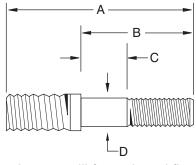
	Part	A	В	C	D	Thread S	Size	
Application	No.	Length	Length	Length	Diameter	Bottom	Тор	Hex Nut
CHEVROLET	MRDS-941	2.560	1.765	0.875	7/16	7/16-14	7/16-20	Yes
	MRDS-945	2.250	1.490	0.770	3/8	7/16-14	3/8-24	Yes
	MRDS-948	57mm	40mm	22mm	10mm	10mm-1.5	10mm-1.0	Yes
	MRDS-960	61mm	40mm	24mm	12mm	10mm-1.5	8mm-1.25	Yes
	MRDS-970	60mm	38mm	27mm	10mm	10mm-1.5	8mm-1.25	Yes
	MRDS-1920	2.325	1.600	0.750	3/8	7/16-14	3/8-24	No
	MRDS-2920	2.325	1.725	0.850	3/8	7/16-14	3/8-24	Yes
FORD	MRDS-940	2.670	1.910	0.810	7/16	7/16-14 7/16-2		Yes
	MRDS-942	61mm	41mm	19mm	8mm	10mm-1.5	8mm-1.25	No
PONTIAC	MRDS-939	2.470	1.710	0.875	7/16	7/16-14	3/8-24	Yes



Cold rolled threads

• 190,000 psi alloy steel





- Large radii for reduced flex
- Black oxided



CYLINDER SLEEVES

- Universal flanged sleeves provide extra insurance against sleeve movement in performance applications
- Reduce the critical factors that secure standard liners such as press fit, cylinder ledge at bottom of bore, and heat expansion rates of metals.
- Flange counter bore thickness in block can be machined .002 less to provide extra sealing against the gasket and head from the flange sleeve.
- Bore can be up to .060 bigger than standard and still have 3/32" sleeve wall.

Part No.	Std. Bore	Sleeve O.D.	Sleeve O.D.	Sleeve O.D.	Flange Thickness	Sleeve O.D.	Sleeve Length
590203	3.9375	3.907	4.330	4.330	.125	4.190	6-3/4
590259	4.000	3.970	4.330	4.330	.125	4.253	5-1/2
590298	4.000	3.970	4.393	4.393	.125	4.253	5-7/8
590236	4.000	3.970	4.393	4.393	.125	4.253	6-1/4
590280	4.000	3.970	4.393	4.393	.125	4.253	6-1/2
590231	4.050	4.020	4.443	4.443	.125	4.303	6-1/4
590295	4.050	4.020	4.443	4.443	.125	4.303	6-5/16
592274	4.110	4.080	4.503	4.503	.125	4.363	6-7/8
592256	4.125	4.095	4.518	4.518	.125	4.378	7-1/2
590261	4.125	4.095	4.518	4.518	.125	4.378	6-1/4
590297	4.250	4.220	4.643	4.643	.125	4.503	7

PUSHROD GUIDE PLATES

All Melling Select Performance guide plates are stamped from heat treated steel to reduce flexing and rocker arm side movement. They are black oxide coated to prevent rusting. Guide plates must be used with screw in rocker arm studs.

Part Number	Thickness	Style
MGP1004	5/16"	Flat
MGP1014	3/8"	Flat
MGP1024	3/8"	Raised
MGP1034	5/16"	Raised



Part Number	Thickness	Style
MGP1064	7/16"	Raised
MGP1074	3/8"	Raised

Part Number	Thickness	Style
MGP1084	5/16"	Flat
MGP1094	3/8"	Flat

Part Number	Thickness	Style
MGP1104	3/8"	Flat
MGP1114	5/16"	Flat

Part Number	Thickness	Style
MGP1124	3/8"	Raised
MGP1134	5/16"	Raised
		·









Specialty Items & Tools

Melling Engine Priming Tools

Melling Engine Priming Tools are manufactured from the highest quality materials available. These tools will prevent galling problems by circulating oil through critical areas of a new engine before engine start-up.









PT11 Fords with a 1/4" hex shaft

PT12 Fords with a 5/16" hex shaft



PT13 Small Block & Big Block Chevrolet

Melling Screen Installation Tools

Melling Engine Parts supplies (2) tools for installing press-in type oil pump screen assemblies. The pumpbody should be placed on a small block of wood with the tool straight up and down. Start the screen straight into the hole by twisting and turning by hand before pounding. **UNDER NO CIRCUMSTANCES SHOULD THE SCREEN OR OIL PUMP BE HELD IN A VICE.** This will lock up the pump by crushing the gear pocket. The tool can be tapped with a hammer until the rolled bead on the collar of the screen tube is flush with the oil pump. This is a metal displacement press fit that only works once.



MCAT-62 For 5/8" diameter tubes

MCAT-75 For 3/4" diameter tubes

Melling Pre-Lube Engine Oiler A must have tool to pre-lube engines

- •Eliminates dry starts after engine rebuilds
- •Eliminates initial wear on engine components
- •Can be used on all internal combustion engines



MELL-LUBE Engine Assembly Lube NEW IMPROVED PROTECTION 1,400 PPM ZINC

MELL-LUBE engine assembly lube contains a special additive that plates wear surfaces to prevent scoring or galling during engine start-up.

MELL-LUBE also contains corrosion inhibitors to prevent rust and pitting to new engines.

NOTE: Not for use on cylinder walls or piston rings

Dura-Bond Engine Hardware Finishing Kits



FKC-1HP S.B. Chevy



FKC-3HP B.B. Chevy



GENERAL MOTORS S.B. & B.B.

KIT NO.	YEAR	MAKE & Application	CONTENTS	QTY.	DESCRIPTION
FKC-1HP	1957-1986	Chevy S.B. V8 262-400 CID	AD-927-P	4	Head Dowel
			AD-1284-P	4	Timing Cover / Oil Pump Dowel
			AB-001-P	3	Cam Bolt
			AW-013-P	1	Cam Lock Plate
			AB-039-P	2	Oil Filter Adapter Bolts
			AK-001-P	1	Woodruff Key
			AK-002-P	2	Woodruff Key
			AD-023	2	Transmission Dowel
FKC-3HP	1967-1991	Chevy B.B. V8 366-454 CID	AD-8081-P	4	Head Dowel
			AD-1284-P	4	Timing Cover / Oil Pump Dowel
			AW-013-P	1	Cam Lock Plate
			AB-039-P	2	Oil Filter Adapter Bolts
			AB-001-P	3	Cam Bolt
			AK-002-P	2	Woodruff Key
			AD-023	2	Transmission Dowel

Most rebuilders know the time and expense of trying to reclaim service parts. Dura-Bond has introduced a new line of performance engine hardware finishing kits. These kits include all of the necessary hardware and components needed to complete a rebuild such as dowel pins, cam bolts, seal housing components, woodruff keys, cam eccentrics, by-pass valves, cam lock plate & longer transmission dowel. The engine hardware finishing kits allow rebuilders an easy way to inventory and recoup lost costs on these components.



3200 Arrowhead Drive, Carson City, NV 89706 • 1-800-227-8360 • www.dura-bondbearing.com

Dura-Bond Engine Hardware Finishing Kits



FKC-1HP S.B. Chevy



FKC-3HP B.B. Chevy



GENERAL MOTORS S.B. & B.B.

KIT NO.	YEAR	MAKE & Application	CONTENTS	QTY.	DESCRIPTION
FKC-1HP	1957-1986	Chevy S.B. V8 262-400 CID	AD-927-P	4	Head Dowel
			AD-1284-P	4	Timing Cover / Oil Pump Dowel
			AB-001-P	3	Cam Bolt
			AW-013-P	1	Cam Lock Plate
			AB-039-P	2	Oil Filter Adapter Bolts
			AK-001-P	1	Woodruff Key
			AK-002-P	2	Woodruff Key
			AD-023	2	Transmission Dowel
FKC-3HP	1967-1991	Chevy B.B. V8 366-454 CID	AD-8081-P	4	Head Dowel
			AD-1284-P	4	Timing Cover / Oil Pump Dowel
			AW-013-P	1	Cam Lock Plate
			AB-039-P	2	Oil Filter Adapter Bolts
			AB-001-P	3	Cam Bolt
			AK-002-P	2	Woodruff Key
			AD-023	2	Transmission Dowel

Most rebuilders know the time and expense of trying to reclaim service parts. Dura-Bond has introduced a new line of performance engine hardware finishing kits. These kits include all of the necessary hardware and components needed to complete a rebuild such as dowel pins, cam bolts, seal housing components, woodruff keys, cam eccentrics, by-pass valves, cam lock plate & longer transmission dowel. The engine hardware finishing kits allow rebuilders an easy way to inventory and recoup lost costs on these components.



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CHROME MOLY PUSH ROD IDENTIFICATION CHART

	Length Diameter							Type A Type B	-	ype C	 Typ	e E
		Length	Diameter		Max. Spring				Length	Diameter		Max. Spring
	Part No.	(inches)	(inches)	End Type	Pressure (lbs)			Part No.	(inches)	(inches)	End Type	Pressure (lbs)
	500064	9.175	11/32	A&B	350	(I)[500394 (H)	8.144	5/16	C&C	350
	500074	10.498	11/32	A&B	350	(I))	500404 (H)	6.886	5/16	C&C	350
	500094	9.564	5/16	B&B	350	(I)	500414 (H)	7.605	5/16	C&C	350
	500104	9.594	5/16	B&B	350	I))	500424 (H)	8.408	5/16	C&C	350
(D)	500154 (H)	8.280	3/8	D&D	350	I))	500434 (H)	8.492	5/16	C&C	350
(D)	500164 (H)	9.252	3/8	D&D	350	I))	500444 (H)	7.645	5/16	C&C	350
	500174	10.657	3/8	A&C	350			500474	9.025	3/8	A&E	350
	500184	11.585	3/8	A&C	350	I))	500494 (H)	9.682	5/16	C&C	350
	500194	9.140	3/8	A&C	350			500544	8.750	3/8	A&C	350
	500204	9.375	5/16	C&D	350			500554	8.136	3/8	A&C	350
	500214	8.635	5/16	C&D	350	I))	500564 (H)	9.547	5/16	C&C	350
(D)	500224	7.342	5/16	A&C	350	I))	500574 (H)	8.693	5/16	C&C	350
(D)	500274 (H)	9.130	5/16	C&C	350	I))	500584 (H)	6.776	5/16	C&C	350
(D)	500294	8.280	7/16	D&D	350			500594 (H)	7.513	5/16	C&C	350
(D)	500304	9.252	7/16	D&D	350	(I)	500614 (H)	7.894	5/16	C&C	350
(D)	500314 (H)	7.800	5/16	C&C	350	I))	500624	8.680	3/8	D&D	350
(D)	500324	8.555	5/16	C&C	350	I))	500634	9.652	3/8	D&D	350
	500334	9.295	5/16	C&C	350	(I	· F	500664 (H)	8.182	5/16	C&C	350
	500344	8.555	3/8	A&E	350	I)	· ' F	500674	7.894	3/8	C&C	350
	500354	9.295	3/8	A&E	350	I)	· ' F	501004 (H)	7.800	5/16	C&C	500
	500364	10.490	3/8	A&E	350	I)	· ' F	501014 (H)	7.900	5/16	C&C	500
	500374	11.457	3/8	A&E	350	I)	- 1 H	501024 (H)	7.950	5/16	C&C	500
l	500384	8.412	3/8	A&E	350	(I	D)	501034 (H)	8.000	5/16	C&C	500

H = HEAT TREATED FOR USE WITH GUIDE PLATES

D = DRILLED

VALVE IDENTIFICATION CHART

Deathla	Head	Overall	Stem	
Part No.	Diameter	Length	Diameter	Seat Angle
451014	1.940	4.880	.341	45°
451024	1.500	4.905	.341	45°
451034	2.020	4.897	.341	45°
451044	1.600	4.881	.372	45°
451054	2.190	5.230	.372	45°
451064	1.725	5.350	.372	45°
451074	2.300	5.230	.372	45°
451084	1.880	5.350	.371	45°
451094	1.880	5.070	.341	45°
451104	1.451	5.070	.341	45°
451114	1.940	5.070	.341	45°
451124	1.600	5.050	.341	45°
451134	2.190	5.231	.341	45°
451144	1.725	5.070	.341	45°
451154	1.780	5.070	.341	45°
451194	2.250	5.280	.341	30°
451204	1.725	5.070	.341	45°

CHROME MOLY VALVE SPRING RETAINER SPECIFICATION CHART

Part No.	Diameters Outside/Steps	Relative Height (inches)
Tart No.	FOR 11/32" VALVE STE	
475304	1.375/1.060/.675	+.015
475044	1.375/1.060/.675	+.120
475054	1.375/1.060/.675	+.070
475074	1.375/1.085/.805	+.125
475114	1.500/1.135/.665	+.115
475184	1.190/.870/.610	0
	FOR 3/8" VALVE STEMS	5
475024	1.375/1.075/.785	040
475064	1.375/1.065/.675	120
475084	1.375/1.085/.805	015
475094	1.500/1.135/.635	+.010
475124	1.375/1.065/.670	0
475144	1.375/1.035/.785	030

These retainers are heat treated to 40 ROCKWELL $\hfill \mbox{\sc scale}$ and are all manufactured for 7° valve locks.

NOTE: There are many tolerances that effect the final location and spring height. The relative height dimension is for comparison purposes of these retainers. We took a stock SB Chevy retainer with our 45103 valve and 47601 locks and measured from the rocker arm end of the valve to the spring seat on the retainer. We then took the same dimensions for our 11/32" stem retainers. The 47518 is the same as the stock retainer and is shown as zero. The relative height tells how much the assembled spring height will be changed if you changed from the 47518. The 47501 would shorten the height by .070" while the 47505 would increase it the same amount. The same applies to the 3/8" stem retainers except we used a stock BB Chevy retainer with our 45105 valve and 47300 locks as a starting point.

VALVE SPF	LVE SPRINGS POUNDS PRESSURE AT THESE HEIGHTS											
											Coil	
Part No.	OD	ID	1.88"	1.38"	1.80 "	1.30 "	1.72"	1.22"	1.67"	1.17"	Bind	# Coils
466074	1.525	1.075	132	364							1.187	5.652
466174	1.475	1.061	90	260	115	285					1.125	6
466204	1.260	0.876					115	307	134	326	1.160	6.5
466224	1.539	1.125	158	318							1.200	6
466244	1.500	1.064	100	310							1.156	5.75
466354	1.215	0.861					110	260	125	284	1.125	6.75
466364	1.260	0.876				125@1.750		325			1.160	6
466434	1.435	1.035					90	260	105	282	1.125	5.7
466444	1.437	1.075			105	217	123	235			1.062	6.5
466114	1.43	.796	128	296	154	322					1.015	6.25
466274												
466124	1.384	.804							105	220	0.906	6
466134												
466154	1.55	.780		136@1.9		300@1.4		333@1.3		349@1.2	1.156	6.5
466164												
VS-320					100	320					1.35	
VS-380							80	240			1.150	

• All numbers are nominal

· Springs should be checked in every application

· Springs with dampners should be oiled prior to testing and installing

• Actual coil bind will vary because of the tolerances in the wire diameter

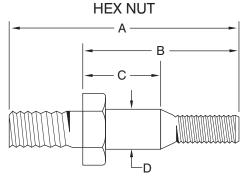
· Coil bind can be checked by compressing the spring in a vise and measuring

• Valve open height should be coil bind plus .100 or more

• Coil bind plus .050 has been used but the life of the spring will be less

SCREW IN ROCKER ARM STUDS

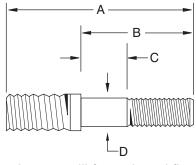
	Part	A	В	C	D	Thread S	Thread Size	
Application	No.	Length	Length	Length	Diameter	Bottom	Тор	Hex Nut
CHEVROLET	MRDS-941	2.560	1.765	0.875	7/16	7/16-14	7/16-20	Yes
	MRDS-945	2.250	1.490	0.770	3/8	7/16-14	3/8-24	Yes
	MRDS-948	57mm	40mm	22mm	10mm	10mm-1.5	10mm-1.0	Yes
	MRDS-960	61mm	40mm	24mm	12mm	10mm-1.5	8mm-1.25	Yes
	MRDS-970	60mm	38mm	27mm	10mm	10mm-1.5	8mm-1.25	Yes
	MRDS-1920	2.325	1.600	0.750	3/8	7/16-14	3/8-24	No
	MRDS-2920	2.325	1.725	0.850	3/8	7/16-14	3/8-24	Yes
FORD	MRDS-940	2.670	1.910	0.810	7/16	7/16-14	7/16-20	Yes
	MRDS-942	61mm	41mm	19mm	8mm	10mm-1.5	8mm-1.25	No
PONTIAC	MRDS-939	2.470	1.710	0.875	7/16	7/16-14	3/8-24	Yes



Cold rolled threads

• 190,000 psi alloy steel





- Large radii for reduced flex
- Black oxided



CYLINDER SLEEVES

- Universal flanged sleeves provide extra insurance against sleeve movement in performance applications
- Reduce the critical factors that secure standard liners such as press fit, cylinder ledge at bottom of bore, and heat expansion rates of metals.
- Flange counter bore thickness in block can be machined .002 less to provide extra sealing against the gasket and head from the flange sleeve.
- Bore can be up to .060 bigger than standard and still have 3/32" sleeve wall.

Part No.	Std. Bore	Sleeve O.D.	Sleeve O.D.	Sleeve O.D.	Flange Thickness	Sleeve O.D.	Sleeve Length
590203	3.9375	3.907	4.330	4.330	.125	4.190	6-3/4
590259	4.000	3.970	4.330	4.330	.125	4.253	5-1/2
590298	4.000	3.970	4.393	4.393	.125	4.253	5-7/8
590236	4.000	3.970	4.393	4.393	.125	4.253	6-1/4
590280	4.000	3.970	4.393	4.393	.125	4.253	6-1/2
590231	4.050	4.020	4.443	4.443	.125	4.303	6-1/4
590295	4.050	4.020	4.443	4.443	.125	4.303	6-5/16
592274	4.110	4.080	4.503	4.503	.125	4.363	6-7/8
592256	4.125	4.095	4.518	4.518	.125	4.378	7-1/2
590261	4.125	4.095	4.518	4.518	.125	4.378	6-1/4
590297	4.250	4.220	4.643	4.643	.125	4.503	7

NUMERICAL LISTING

ABBREVIATIONS USED TO INDICATE CAR AND TRUCK MANUFACTURERS

ACUR:	ACURA	JAGU:	JAGUAR
ALFA:	ALFA ROMEO	JEEP:	JEEP
ALLT:	ALLIS CHALMERS LIFT TRUCK	JOHN:	JOHN DEERE TRACTOR
ALTR:	ALLIS CHALMERS TRACTOR	KAIS:	KAISER
AMC:	AMERICAN MOTORS	KIA:	KIA
AMC:	PERFORMANCE - AMERICAN MOTORS & JEEP	LEXU:	LEXUS
AUDI:	AUDI	MAZD:	MAZDA
AUS:	AUSTIN	MENZ:	MERCEDES BENZ
BMW:	BMW	MERC:	MERCURY (INC. LINCOLN)
BUIC:	BUICK	MERC:	MERCURY MARINE
BUIC:	PERFORMANCE - BUICK	MGGB:	MG
CADL:	CADILLAC	MINN:	
CASE:	CASE TRACTOR	MITS:	MITSUBISHI
CATP:	CATERPILLAR	NISS:	NISSAN/DATSUN
CHEV:	CHEVROLET	NISS:	NISSAN INDUSTRIAL
CHEV:	PERFORMANCE - CHEVROLET CARS & TRUCKS	OLDS:	OLDSMOBILE
CHYL:	CHRYSLER	OLDS:	PERFORMANCE - OLDSMOBILE
CHYL:	PERFORMANCE - CHRYSLER PRODUCTS	OLTR:	OLIVER TRACTOR
CHYL:	CHRYSLER MARINE	OMC:	ОМС
CHYU:	CHRYLSER-INDUSTRIAL	OPEL:	OPEL
CONT:	CONTINENTAL	PERK:	PERKINS
CUMM:	CUMMINS	PEUG:	PEUGEOT
DAEW:	DAEWOO	PLYM:	PLYMOUTH
DALW.			
	DAIHATSU	PONT:	PONTIAC
DESO:	DESOTO	PONT:	PERFORMANCE - PONTIAC
DETD:	DETROIT DIESEL	PORS:	PORSCHE
DODG:	DODGE	RENL:	RENAULT
DODT:	DODGE TRUCK	REO:	REO
EAGL:	EAGLE	ROVE:	ROVER
FIAT:	FIAT	SAAB:	SAAB
FORD:	FORD	SATU:	SATURN
FORD:	PERFORMANCE - FORD PRODUCTS & TRUCKS	SCI:	SCION
FORD:	FORD MARINE	STUD:	STUDEBAKER
FOTR:	FORD TRUCK	SUBU:	SUBARU
FOTT:	FORD TRACTOR	SUZI:	SUZUKI
FOTU:	FORD INDUSTRIAL	TOY:	SPORT COMPACT PERFORMANCE - TOYOTA
GMC:	GMC/CHEVY TRUCKS		CARS & TRUCKS
		TOYO:	ТОУОТА
HENR:	HENRY-J		
HERC:	HERCULES	TRIU:	TRIUMPH
HOND:	HONDA	VOLK:	VOLKSWAGEN
HUM:	HUMMER	VOLV:	VOLVO
HYUN:	HYUNDAI	WAUK:	WAUKESHA
IHC:	I.H.C. TRUCK	WHIT:	WHITE TRUCK
IHCT:	I.H.C. TRACTOR & POWER UNITS	WHTR:	WHITE PDQ TRUCKS
INFI:	INFINITI	WISC:	WISCONSIN
ISUZ:	ISUZU	YUGO:	YUGO
ISUZ:	PERFORMANCE - ISUZU		

Part No.	Application	Part No.	Application	
	OIL PUMP - PERFORMANCE	OIL PUMP - PERFORMANCE (Cont.)		
10176	FORD - 281 (1996-04)	10295	CHEV, PONT, ISUZ - 293, 323, 325, 350, 364	
10190	CHYL - 122 (1995-05)		(1997-11)	
10227	FORD - 281 (1996-04)	10296	CHEV, PONT, ISUZ - 293, 323, 325, 350, 364 (1997-11)	

			NUMERICAL LISTING
Part No.	Application	Part No.	Application
OIL	- PUMP - PERFORMANCE (Cont.)	C	DIL PUMP - PERFORMANCE (Cont.)
10340	FORD - 281, 330 (2004-10)	M-57HV	FOTR, MERC, FORD, FORD, FOTU - 330, 332,
10342	CHYL - 345, 370 (2003-07)		352, 360, 361, 383, 390, 410, 427, 428, 430, 462
10355	CHEV, PONT - 325, 350, 364, 378 (1997-09)		(1978)
10540	PONT - 301, 326, 350, 389, 400, 421, 428, 455	M-63HP	CHYL, DESO, DODG, DODT, CHYL, PLYM,
	(1959-81)		CHYL - 350, 361, 383, 400, 413, 426, 440 (1979)
10541	PONT - 301, 326, 350, 389, 400, 421, 428, 455	M-63HV	CHYL, DESO, DODG, DODT, CHYL, PLYM,
40550	(1959-81)		CHYL - 350, 361, 383, 400, 413, 426, 440 (1979)
10550	CHEV, PONT - 262, 267, 283, 302, 305, 307, 327,	M-72HV	CHYL, DODG, DODT, JEEP, CHYL, PLYM, CHYL
10551	350, 400 (1957-04) CHEV, PONT - 262, 267, 283, 302, 305, 307, 327,		- 239, 273, 318, 340, 360 (2003)
10551	350, 400 (1957-04)	M-84AHV	FOTR, MERC, FORD, FORD - 351, 400 (1970-82)
10552	CHEV, PONT - 262, 267, 283, 302, 305, 307, 327,	M-94D	TOYO - (1971-79) CHEV, CHEV, PONT - 262, 267, 283, 302, 305,
10552	350, 400 (1957-02)	M-99HV-S	307, 327, 350, 400 (1957-04)
10552C	CHEV, PONT - 262, 267, 283, 302, 305, 307, 327,	M115	NISS - (1983-84)
100020	350, 400 (1957-02)		
10553	CHEV, PONT - 262, 267, 283, 302, 305, 307, 327,		P SCREEN ASSEMBLIES - PERFORMANCE
	350, 400 (1957-02)	12557	CHEV, PONT - 262, 267, 283, 302, 305, 307, 327,
10554	CHEV, PONT - 262, 267, 283, 302, 305, 307, 327,	10550	350, 400 (1957-02)
	350, 400 (1957-02)	12558	CHEV, PONT - 262, 267, 283, 302, 305, 307, 327, 350, 400 (1957-02)
10555	CHEV, PONT - 262, 267, 283, 302, 305, 307, 327,	12559	CHEV, PONT - 262, 267, 283, 302, 305, 307, 327,
	350, 400 (1957-02)	12555	350, 400 (1957-02)
10555C	CHEV, PONT - 262, 267, 283, 302, 305, 307, 327,	12564	CHEV, PONT - 262, 267, 283, 302, 305, 307, 327,
	350, 400 (1957-02)	12304	350, 400 (1957-02)
10687	FORD - 260, 289, 302 (1962-01)	12566	CHEV, PONT - 262, 267, 283, 302, 305, 307, 327,
10688	FORD - 260, 289, 302 (1962-01)	12000	350, 400 (1957-02)
10770	CHEV - 396, 400, 402, 427, 454 (1965-97)		CAMSHAFTS - PERFORMANCE
10774	CHEV - 396, 400, 402, 427, 454 (1965-97)	21300	BUIC - 231 (1977-87)
10778	CHEV - 396, 400, 402, 427, 454 (1965-97)	22100	CHEV - 396, 400, 402, 427, 454 (1965-97)
10778C	CHEV - 396, 400, 402, 427, 454 (1965-97)	22107	CHEV, PONT - 267, 283, 302, 305, 307, 327, 350,
10832	FORD - 351 (1969-94)		400 (1957-02)
10833	FORD - 351 (1969-94)	22108	CHEV, PONT - 267, 283, 302, 305, 307, 327, 350,
10990	CHEV, PONT - 262, 267, 283, 302, 305, 307, 327, 350, 400 (1957-02)		400 (1957-02)
100000	CHEV, PONT - 262, 267, 283, 302, 305, 307, 327,	22109	CHEV, PONT - 267, 283, 302, 305, 307, 327, 350,
10990C	350, 400 (1957-02)		400 (1957-02)
10050-700CT	CHEV, PONT - 262, 267, 283, 302, 305, 307, 327,	22111	CHEV, PONT - 305, 327, 350, 400 (1962-02)
	350, 400 (1957-02)	22113	CHEV - 262 (1985-04)
10050-750SS	CHEV, PONT - 262, 267, 283, 302, 305, 307, 327,	22114	CHEV, PONT - 267, 283, 302, 305, 307, 327, 350,
	350, 400 (1957-02)		400 (1957-02)
10050-825SS	CHEV, PONT - 262, 267, 283, 302, 305, 307, 327,	22115	CHEV, PONT - 267, 283, 302, 305, 307, 327, 350,
	350, 400 (1957-02)		400 (1957-02)
10055-700CT	CHEV, PONT - 262, 267, 283, 302, 305, 307, 327,	22116	OMC, MERC
	350, 400 (1957-02)	22117	OMC, MERC
10055-750SS	CHEV, PONT - 262, 267, 283, 302, 305, 307, 327,	22118	OMC, MERC
	350, 400 (1957-02)	22119	GMC, MERC - 262 (1991)
10055-825SS	CHEV, PONT - 262, 267, 283, 302, 305, 307, 327,	22120	MERC
	350, 400 (1957-02)	22121	MERC
10070-800SS	CHEV - 396, 400, 402, 427, 454 (1965-97)	22123	MERC OMC MERC
10070-900SS	CHEV - 396, 400, 402, 427, 454 (1965-97)	22124	OMC, MERC
10077-800SS	CHEV - 396, 400, 402, 427, 454 (1965-97)	22125	OMC, MERC
10077-900SS	CHEV - 396, 400, 402, 427, 454 (1965-97)	22126	CHEV, PONT - 267, 283, 302, 305, 307, 327, 350, 400 (1957-02)
M-22FHV	BUIC, CHEV, GMC, OLDS, OLDS, CADL, PONT -	22127	CHEV - 396, 400, 402, 427, 454 (1965-97)
	260, 307, 330, 350, 394, 400, 403, 425, 455 (1959-90)	22127	CHEV - 262 (1985-04)
M-57B	MERC, FORD, FORD - 390, 428 (1961-71)	22128	CHEV 202 (1903-04) CHEV, PONT - 305, 350 (1967-02)
M-07 D	MERO, I ORD, I ORD - 030, 420 (1301-71)		

Part No.	Application	Part No.	Application
	AMSHAFTS - PERFORMANCE (Cont.)		MSHAFTS - PERFORMANCE (Cont.)
22131	CHEV, PONT - 305, 350 (1967-02)	22396	CHEV - 396, 400, 402, 427, 454 (1965-97)
22135	CHEV, PONT - 262, 267, 283, 302, 305, 307, 327,	22397	CHEV, PONT - 305, 350 (1967-02)
	350, 400 (1957-02)	22398	CHEV, PONT - 262, 267, 283, 302, 305, 307, 33
22136	CHEV, PONT - 262, 267, 283, 302, 305, 307, 327,		350, 400 (1957-02)
	350, 400 (1957-02)	22400	CHEV, PONT - 262, 267, 283, 302, 305, 307, 3
22141	CHEV - 396, 400, 402, 427, 454 (1965-97)		350, 400 (1957-02)
22200	CHEV, PONT - 262, 267, 283, 302, 305, 307, 327,	22401	CHEV, PONT - 262, 267, 283, 302, 305, 307, 3
	350, 400 (1957-02)		350, 400 (1957-02)
22201	CHEV, PONT - 350 (1997-04)	22402	CHEV, PONT - 262, 267, 283, 302, 305, 307, 3
2203	CHEV, PONT - 267, 283, 302, 305, 307, 327, 350,		350, 400 (1957-02)
	400 (1957-02)	22404	CHEV, PONT - 262, 267, 283, 302, 305, 307, 3
2204	CHEV - 396, 400, 402, 427, 454 (1965-97)		350, 400 (1957-02)
22210	CHEV, PONT - 262, 267, 283, 302, 305, 307, 327,	22410	CHEV, PONT - 262, 267, 283, 302, 305, 307, 3
	350, 400 (1957-02)		350, 400 (1957-02)
22213	CHEV, PONT - 267, 283, 302, 305, 307, 327, 350,	22427	CHEV - 396, 400, 402, 427, 454 (1965-97)
	400 (1957-02)	22450	CHEV, PONT - 262, 267, 283, 302, 305, 307, 3
22214	CHEV - 396, 400, 402, 427, 454 (1965-97)		350, 400 (1957-02)
22215	CHEV, PONT - 267, 283, 302, 305, 307, 327, 350,	22460	CHEV, PONT - 262, 267, 283, 302, 305, 307, 3
	400 (1957-02)		350, 400 (1957-02)
22216	MERC	22471	CHEV - 396, 400, 402, 427, 454 (1965-97)
22217	MERC	22472	CHEV - 396, 400, 402, 427, 454 (1965-97)
2218	MERC	22480	CHEV - 396, 400, 402, 427, 454 (1965-97)
2219	MERC	22485	CHEV - 396, 400, 402, 427, 454 (1965-97)
2220	MERC	23103	CHYL
22221	CHEV, PONT, MERC - 305, 350 (2002)	23104	CHYL
22222	MERC	23203	CHYL - 273, 318, 340, 360 (1965-02)
22223	MERC	23203	CHYL - 361, 383, 400, 413, 426, 440 (1959-78)
22230	CHEV, PONT - 262, 267, 283, 302, 305, 307, 327,	23302	CHYL - 361, 383, 400, 413, 426, 440 (1959-78)
	350, 400 (1957-02)	23321	CHYL - 361, 383, 413, 426, 440 (1959-78)
22232	CHEV, PONT - 262, 267, 283, 302, 305, 307, 327,	24106	FORD, MERC
	350, 400 (1957-02)	24107	FORD, MERC
22233	CHEV, PONT - 262, 267, 283, 302, 305, 307, 327,	24107	FORD - 260, 289, 302, 351 (1962-01)
	350, 400 (1957-02)	24110	FORD - 260, 289, 302, 351 (1962-01)
22234	CHEV, PONT - 262, 267, 283, 302, 305, 307, 327,	24110	FORD - 351, 400 (1970-82)
	350, 400 (1957-02)		FORD - 260, 289, 302 (1962-01)
22235	CHEV, PONT - 262, 267, 283, 302, 305, 307, 327,	24203	FORD - 351, 400 (1970-82)
	350, 400 (1957-02)	24204	
22236	CHEV - 396, 400, 402, 427, 454 (1965-97)	24205 24206	FORD - 352, 360, 390, 406, 427, 428 (1958-76 FORD - 429, 460 (1968-97)
22237	CHEV, PONT - 262, 267, 283, 302, 305, 307, 327,	24200	FORD, MERC
	350, 400 (1957-02)	24209	FORD - 260, 289 (1962-68)
22238	CHEV, PONT - 262, 267, 283, 302, 305, 307, 327,	24210	FORD - 351 (1969-94)
	350, 400 (1957-02)	24211	FORD - 260, 289, 302 (1962-01)
22280	CHEV - 350 (1967-02)	24212	FORD - 260, 269, 302 (1962-01) FORD
22296	CHEV - 396, 400, 402, 427, 454 (1965-97)	24213	FORD - 260, 289, 302, 351 (1962-01)
2297	CHEV - 454 (1970-97)	24214	FORD - 260, 269, 302, 351 (1962-01) FORD - 352, 360, 390, 406, 427, 428 (1958-76
2298	CHEV, PONT - 305, 350 (1967-02)	24218	FORD - 352, 360, 390, 406, 427, 428 (1958-76 FORD - 351, 400 (1970-82)
2301	CHEV, PONT - 262, 267, 283, 302, 305, 307, 327,	24224 24225	FORD - 351 (1969-94)
0000	350, 400 (1957-02)		, ,
2302	CHEV - 396, 400, 402, 427, 454 (1965-97)	24226	FORD - 302 (1968-01)
2303	CHEV, PONT - 262, 267, 283, 302, 305, 307, 327,	24227	FORD - 302 (1968-01)
0005	350, 400 (1957-02)	24280	FORD - 302 (1968-01)
22305	CHEV, PONT - 262, 267, 283, 302, 305, 307, 327,	24301	FORD - 260, 289, 302 (1962-01)
	350, 400 (1957-02)	24302	FORD - 352, 360, 390, 406, 427, 428 (1958-76
22306	CHEV - 396, 400, 402, 427, 454 (1965-97)	24305	FORD - 260, 289, 302, 351 (1962-01)
22320	CHEV, PONT - 262, 267, 283, 302, 305, 307, 327,	24401	FORD - 351, 400 (1970-82)
	350, 400 (1957-02)	24406	FORD - 429, 460 (1968-97)

			NUMERICAL LISTING
Part No.	Application	Part No.	
	MSHAFTS - PERFORMANCE (Cont.)		LIFTERS - PERFORMANCE (Cont.)
25211	OLDS - 260, 307, 350, 400, 403, 425, 455	298184	CHEV, PONT - 262, 267, 283, 302, 305, 307, 327,
	(1965-88)		350, 396, 400, 402, 427, 454 (1957-04)
25309	OLDS - 260, 307, 350, 400, 403, 425, 455	298724	FORD - 352, 360, 390, 406, 427, 428 (1958-76)
25310	(1965-88)	299004	FORD - 260, 289, 302, 351, 400, 429, 460
25310	OLDS - 260, 307, 350, 400, 403, 425, 455 (1965-88)	299014	(1962-01) FORD - 260, 289, 302, 351, 400, 429, 460
26204	PONT - 301, 326, 350, 389, 400, 421, 428, 455	233014	(1962-01)
	(1959-81)	299374	CHYL - 273, 318, 340, 360, 361, 383, 400, 413,
26303	PONT - 301, 326, 350, 389, 400, 421, 428, 455		426, 440 (1959-02)
	(1959-81)	299514	OLDS, PONT - 260, 307, 326, 350, 389, 400, 403,
26308	PONT - 301, 326, 350, 389, 400, 421, 428, 455		421, 428, 455 (1959-88)
	(1959-81)	299694	CHEV, PONT, BUIC - 181, 231, 252, 301, 454
27101	TOY - (1975-95)		(1970-97)
27201	TOY - (1975-95)	299704	CHEV, PONT, BUIC - 181, 231, 252, 301, 454
С-400-Р	CHEV, CHEV, PONT - 262, 267, 283, 302, 305, 307, 327, 350, 400 (1957-02)	200764	(1970-97) CHYL - 383, 400, 440 (1959-78)
C-410-P	CHEV - 350 (1967-81)	299764 299984	AMC - 290, 304, 343, 360, 390, 401 (1967-79)
CCR-9	CHEV - 292 (1964-72)	299904 BB817RF16	CHEV - 396, 400, 402, 427, 454 (1965-97)
MTA-1	AMC, JEEP, AMC - 290, 304, 343, 360, 390, 401	BB969RF16	CHEV - 427, 454 (1970-97)
	(1966-91)	F1900RF16	FORD - 260, 289, 302, 351, 400 (1962-01)
MTB-1	BUIC, CHEV, OLDS, CADL, BUIC, PONT - 181,	JB-2079	BUIC, CHEV, GMC, HUM, ISUZ, OLDS, CHEV,
	196, 231, 252 (1977-87)		PONT, CADL, MERC, PONT, SAAB - 151, 204,
MTB-2	BUIC, CHEV, OLDS, CADL, BUIC, PONT - 181,		231, 250, 262, 265, 267, 273, 283, 294, 300, 302,
	196, 231, 252 (1977-87)		305, 307, 323, 323,325, 325, 327, 346, 350, 364,
MTC-1	BUIC, CHEV, GMC, OLDS, CHEV, PONT, PONT -		376, 378, 400, 427 (2012)
	262, 265, 267, 283, 302, 305, 307, 327, 350, 400	JB-2082	IHCT, IHC - 466 (2009)
MTC-5	(1955-02) BUIC, CHEV, GMC, ISUZ, JEEP, OLDS, CHEV,	SB079RF16 SB817RF16	CHEV, PONT - 305, 350 (1967-02) CHEV, PONT - 262, 267, 283, 302, 305, 307, 327,
W10-5	CADL, PONT - 173, 189 (1980-94)	3501/11/10	350, 400 (1957-02)
MTC-6	CHEV, GMC, CHEV - 396, 400, 402, 427, 454	CAM	SHAFT LIFTER KITS - PERFORMANCE
	(1965-00)	CL-MTA-1	AMC, JEEP, AMC - 290, 304, 343, 360, 390, 401
MTD-1	DODG, DODT, CHYL, PLYM, CHYL - 273, 318,	•=	(1966-91)
	340, 360 (1958-03)	CL-MTB-1	BUIC, CHEV, OLDS, CADL, BUIC, PONT - 181,
MTD-2	DODG, DODT, CHYL, PLYM, CHYL - 361, 383,		196, 231, 252 (1977-87)
	400, 413, 426, 440 (1958-79)	CL-MTB-2	BUIC, CHEV, OLDS, CADL, BUIC, PONT - 181,
MTF-1	FOTR, MERC, FORD, FORD - 260, 289, 302		196, 231, 252 (1977-87)
MTF-2	(1962-01) FOTR, MERC, FORD, FORD - 351, 400 (1970-82)	CL-MTC-1	BUIC, CHEV, GMC, OLDS, CHEV, PONT, PONT -
MTF-3	FOTR, MERC, FORD, FORD - 429, 460 (1970-32)		262, 265, 267, 283, 302, 305, 307, 327, 350, 400 (1955-02)
MTF-4	FOTR, MERC, FORD, FORD - 330, 352, 359, 360,	CL-MTC-6	(1955-02) CHEV, GMC, CHEV - 396, 400, 402, 427, 454
	361, 389, 390, 391, 406, 427, 428 (1958-78)		(1965-00)
MTF-5	FOTR, MERC, FORD, FORD - 302, 351 (1968-01)	CL-MTD-1	DODG, DODT, CHYL, PLYM, CHYL - 273, 318,
MTF-6	FOTR, FORD - 240, 300 (1965-96)		340, 360 (1958-03)
MTO-1	BUIC, OLDS, OLDS, CADL, PONT - 260, 307,	CL-MTD-2	DODG, DODT, CHYL, PLYM, CHYL - 383, 400,
	350, 400, 403, 425, 455 (1965-90)		413, 440 (1959-79)
MTP-1	BUIC, OLDS, PONT, PONT - 287, 301, 326, 350,	CL-MTF-1	FOTR, MERC, FORD, FORD - 260, 289, 302
	389, 400, 421, 428, 455 (1955-81)	0. 177 -	(1962-01)
200114		CL-MTF-2	FOTR, MERC, FORD, FORD - 351, 400 (1970-82) FOTR, MERC, FORD, FORD - 429, 460 (1968-98)
290114	CHYL, AMC - 273, 290, 304, 318, 340, 343, 360, 390, 401 (1965-02)	CL-MTF-3 CL-MTF-4	FOTR, MERC, FORD, FORD - 429, 460 (1968-98)
290834	FORD - 352, 360, 390, 406, 427, 428 (1958-76)	UE-1/111-4	361, 389, 390, 391, 406, 427, 428 (1958-78)
290954	CHEV - 173, 189 (1980-94)	CL-MTF-5	FOTR, MERC, FORD, FORD - 302, 351 (1968-01)
298174	CHEV, PONT - 262, 267, 283, 302, 305, 307, 327,	CL-MTO-1	BUIC, OLDS, OLDS, CADL, PONT - 260, 307,
	350, 396, 400, 402, 427, 454 (1957-04)		350, 400, 403, 425, 455 (1965-90)

Part No.	Application	Part No.	Application
	AFT LIFTER KITS - PERFORMANCE (Cont.)		CHROME MOLY PUSH RODS (Cont.)
CL-MTP-1	OLDS, PONT, PONT - 301, 326, 350, 389, 400,	500424	FORD - 351 (1970-74)
	421, 428, 455 (1959-81)	500424	FORD - 351 (1970-74)
	VALVE LOCKS	500444	FORD - 302 (1968-01)
471004		500474	CHYL - 426, 440 (1963-78)
471004	CHYL, CHYL - 273, 318, 340, 360, 361, 383, 400, 413, 426, 440 (2002)	500494	OMC, MERC
472004	FORD - 260, 289, 302, 400 (1962-01)	500544	CHYL, CHYL - 440 (1978)
472004 173004	CHEV, FORD, MERC, AMC - 290, 304, 343, 352,	500564	OLDS - 400, 455 (1965-76)
173004	360, 390, 396, 400, 401, 402, 406, 427, 428, 454	500574	PONT, BUIC - 181, 231, 252, 326, 389, 400, 42
	(1997)		428 (1959-87)
174004	(1337) CHYL, CHYL - 273, 318, 340, 360, 361, 383, 400,	500584	FORD, FORD - 260, 289, 302 (2001)
14004	413, 426, 440 (2002)	500594	CHYL, CHYL - 273, 318, 340, 360 (2002)
176104	OMC, CHEV, FORD, OLDS, PONT, FORD,	500534 500614	CHEV, PONT - 262, 267, 283, 302, 305, 307, 3
110104	MERC, BUIC - 181, 231, 252, 260, 262, 267, 283,	000014	350, 400 (1957-04)
	301, 302, 305, 307, 326, 327, 350, 351, 389, 396,	500624	CHEV - 427 (1980-90)
	400, 402, 403, 421, 425, 427, 428, 454, 455 (2004)	500634	CHEV - 427 (1980-90)
176704	FORD - 400 (1971-82)	500664	FORD - 351 (1969-94)
	GUIDE PLATES	500674	CHEV, PONT - 262, 267, 283, 302, 305, 307, 3
		000014	350, 400 (1957-04)
MGP1004	CHEV, PONT - 262, 267, 283, 302, 305, 307, 327,	501004	CHEV, PONT, AMC - 262, 267, 283, 302, 304,
	350, 400 (1957-02)		305, 307, 327, 350, 360, 390, 400, 401 (1957-0
MGP1014	CHEV, PONT - 262, 267, 283, 302, 305, 307, 327,	501024	CHEV, PONT - 262, 267, 283, 302, 305, 307, 3
	350, 400 (1957-02)	001024	350, 400 (1957-04)
MGP1024	CHEV, PONT - 262, 267, 283, 302, 305, 307, 327,	501034	CHEV, PONT - 262, 267, 283, 302, 305, 307, 3
MGP1034	350, 400 (1957-02)		350, 400 (1957-04)
WGF 1034	CHEV, PONT - 262, 267, 302, 305, 307, 327, 350, 400 (1962-02)	VAL	VE SPRING WITH HYDRAULIC LIFTERS
MGP1064	CHEV - 396, 400, 402, 427, 454 (1965-97)	466124	
MGP1004 MGP1074	CHEV - 396, 400, 402, 427, 454 (1965-97)	400124	FORD, OLDS - 260, 289, 302, 307, 350, 400, 4 425, 455 (1962-01)
MGP1084	FORD - 260, 289, 302, 351 (1962-01)	466134	
MGP1004 MGP1094	FORD - 260, 289, 302, 351 (1962-01)	400134	FORD, OLDS - 260, 289, 302, 307, 350, 400, 4 425, 455 (1962-01)
MGP1104	FORD - 351 (1970-81)	466174	FORD - 351 (1969-94)
MGP1104 MGP1114	FORD - 351 (1970-81)	466174	CHEV, PONT - 262, 267, 283, 302, 305, 307, 3
MGP1114 MGP1124	FORD - 429, 460 (1968-97)	466204	
MGP1124 MGP1134	FORD - 429, 460 (1968-97)	466224	350, 400 (1957-02) CHEV, CHYL, FORD, MERC - 351, 352, 360, 3
	CHROME MOLY PUSH RODS	400224	383, 390, 396, 400, 402, 406, 413, 426, 427, 42
			440, 454 (1997)
500064	FORD - 352, 360, 390, 406, 427, 428 (1958-76)	466354	OMC, CHEV, PONT, MERC - 262, 267, 283, 30
500074	FORD - 352, 360, 390, 406, 427, 428 (1958-76)	400034	305, 307, 327, 350, 400 (2004)
500154 500164	CHEV, MERC - 396, 400, 402, 454 (1997)	466434	CHYL, AMC - 273, 290, 304, 318, 340, 343, 36
500164 500204	CHEV, MERC - 396, 400, 402, 454 (1997)	100101	361, 383, 390, 400, 401, 413, 426, 440 (1959-0
500204 500204	CHYL	466444	FORD - 260, 289, 302 (1962-01)
500224 500274	CHYL - 273, 360 (1965-02) PONT - 350, 389, 400, 455 (1959-77)	VS-739	BUIC, CHEV, GMC, OLDS, OMC, CHEV, PON
500274 500204	· · · · · · · · · · · · · · · · · · ·	VO-705	MERC, PONT - 200, 229, 262, 267, 283, 302, 3
500294 500204	CHEV, MERC - 396, 400, 402, 454 (1997)		307, 327, 350, 400 (2002)
500304 500314	CHEV, MERC - 396, 400, 402, 454 (1997) OMC, CHEV, PONT, MERC, AMC - 262, 267, 283,		E SPRING WITH MECHANICAL LIFTERS
500314	302, 304, 305, 307, 327, 350, 360, 390, 400, 401		
	(2004)	466114	CHEV, FORD, PONT - 260, 262, 267, 283, 289
500334	(2004) CHYL, CHYL - 440 (1978)	A66154	302, 305, 307, 327, 350, 400 (1957-02)
500334 500354	CHYL - 440 (1966-78)	466154	CHEV, CHYL, FORD - 351, 361, 383, 396, 400
	. ,	466104	402, 413, 426, 427, 440, 454 (1959-97)
500364 500374	CHYL - 426 (1966-71)	466164	CHEV, CHYL, FORD - 351, 361, 383, 396, 400
500374 500384	CHYL - 426 (1966-71)	400074	402, 413, 426, 427, 440, 454 (1959-97)
500384 500304	CHYL - 383, 440 (1959-78)	466274	CHEV, FORD, PONT - 260, 262, 267, 283, 289
500394	FORD - 351 (1969-94)		302, 305, 307, 327, 350, 400 (1957-02)
500404	OMC, FORD, FORD, MERC - 260 (1964)	466364	CHEV, PONT - 262, 267, 283, 302, 305, 307, 3

NUMERICAL LISTING

Devit No.	Anglisstics
Part No.	Application
VS-1305	CADL - 252 (1982-87)
	ROCKER ARMS
498404	CHEV, PONT - 262, 267, 283, 302, 305, 307, 327,
400464	350, 400 (1957-02)
498464	PONT - 301, 326, 350, 389, 400, 421, 428, 455 (1959-81)
498684	(1959-81) CHEV - 396, 400, 402, 427, 454 (1965-97)
MR-903	GMC - 262 (1992-02)
	ROCKER ARM STUD
MRDS-941	CHEV, PONT - 262, 267, 283, 302, 305, 307, 327,
	350, 400 (1957-02)
MRDS-2920	CHEV, PONT - 262, 267, 283, 302, 305, 307, 327,
	350, 400 (1957-02)
	3 PC SET
40201	CHEV, PONT - 262, 267, 283, 302, 305, 307, 327,
	350, 400 (1957-04)
40202	CHYL - 273, 318, 340, 360 (1965-02)
40203	CHYL - 361, 383, 400, 413, 426, 440 (1959-78)
40204	FORD - 352, 360, 390, 406, 427, 428 (1958-76)
40205	CHEV - 396, 400, 402, 427, 454 (1965-97)
40206	FORD - 260, 289, 302, 351 (1962-01)
40210	BUIC - 350 (1972-81)
40217 40400	CHYL, CHYL - 426, 440 (1978) OMC, CHEV, PONT, MERC - 262, 267, 283, 302,
40400	305, 307, 327, 350, 400 (2004)
40401	CHEV, MERC - 396, 400, 402, 427, 454 (1997)
40402	OMC, FORD, FORD, MERC - 260, 289, 302, 351
	(2001)
40403	FORD, FORD - 429, 460 (1997)
40404	BUIC - 181, 231, 252 (1977-87)
40405	FORD - 351, 400 (1970-82)
40406	CHYL, CHYL - 273, 318, 340, 360 (2002)
40407	CHYL, CHYL - 361, 383, 400, 413, 426, 440 (1978)
40408	PONT - 326, 350, 389, 400, 421, 428, 455 (1959-77)
40409	OLDS - 260, 400, 403, 425, 455 (1965-82)
40410	FORD - 352, 360, 390, 406, 427, 428 (1958-76)
40500	CHEV, PONT - 267, 283, 302, 305, 307, 327, 350,
	400 (1957-02)
40510	CHEV - 396, 400, 402, 427, 454 (1965-97)
40520	CHEV, PONT - 262, 267, 283, 302, 305, 307, 327,
	350, 400 (1957-04)
48500T-9	CHEV, OLDS, PONT, BUIC - 200, 229, 262, 265,
49500W 0	267, 283, 302, 305, 307, 327, 350, 400 (1955-04)
48500W-9	CHEV, OLDS, PONT, BUIC - 200, 229, 262, 265, 267, 283, 302, 305, 307, 327, 350, 400 (1955-04)
48510T-9	CHEV - 396, 400, 402, 427, 454 (1965-97)
48510W-9	CHEV - 396, 400, 402, 427, 454 (1965-97)
48520T-9	FORD - 289, 302, 351 (1963-01)
48520W-9	FORD - 289, 302, 351 (1963-01)
48530T-9	FORD - 429, 460 (1968-97)
48551T-9	FORD - 255, 302, 351 (1968-01)





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