



INTER 3 SERVICE MANUAL

SG-3R40 SG-3C41 SG-3D55

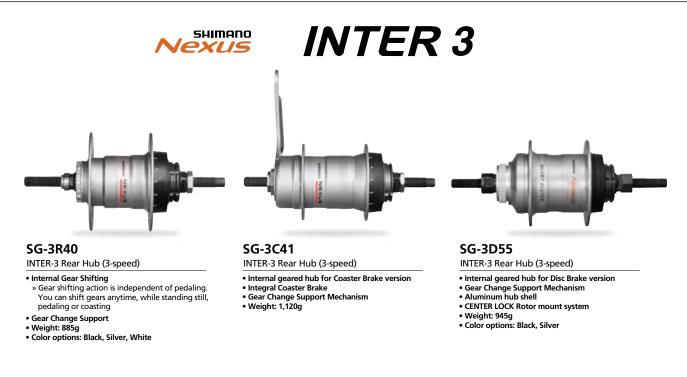
SHIMANO lexus

CONTENTS

Introduction of INTER-3 / Explain the technologies	2
Dealer's Manual	3
SG-3R40, SG-3C41, SG-3D55 • INSTALLATION • MAINTENANCE	
Troubleshooting	32
Disassembly & Assembly	34
Tools Disassembly of the Inter-3 hub (Roller Brake Spec.) Assembly of the Inter-3 hub (Roller Brake Spec.)	
Service Parts	46
Interchangeability	48
Hub dimensions	50
EV / Spare Parts List	52

1





TECHNOLOGIES

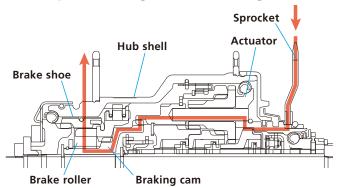
Gear Change Support

SHIMANO gear change support mechanism utilizes some portion of pedaling force at down shifting. The result is a quick and precise downshift with very light feeling.

Coaster Brake

The SHIMANO NEXUS coaster brake is operated by pedaling backward in a similar way as ordinary types. Its uniqueness is that braking power transmitted to the wheel directly for the SHIMANO NEXUS internal coaster brake is independent of the gear shifting mechanism built into the hub. Also it always generates the same braking force regardless of gear position to actualize comfortable and reliable riding. It actualizes the braking force to meet the ISO 4210 standard.

Equal braking force in each gear



Surface Treatment

What is the difference between the Standard and the DX version?

• The Standard version is designed to use under normal climate conditions.

• The DX version features a clear coated finish and/or stainless steel material.

This finish is offering an advanced protection against corrosion and is therefore recommended to use under more severe climate conditions.



INTER 3

Dealer's Manual

SG-3R40 SG-3C41 SG-3D55

3

WARNING

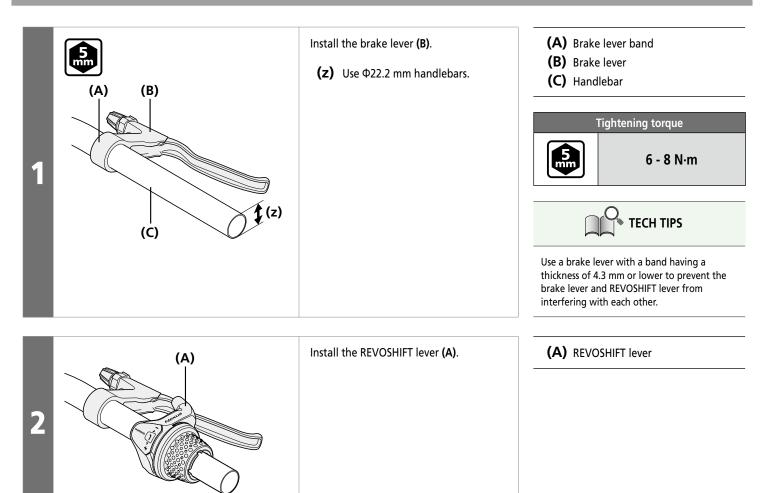
When securing the brake arm to the frame, be sure to use an arm clip that matches the size of the chainstay, and securely tighten it with the clip bolt and clip nut to the specified tightening torque. Use a lock nut with a nylon insert (self-locking nut) for the clip nut. It is recommended that Shimano made clip bolts, clip nuts, and arm clips be used. Use an arm clip that matches the chainstay.

If the clip nut comes off the brake arm, or if the clip bolt or arm clip becomes damaged, the brake arm may rotate on the chainstay and cause the handlebars to jerk suddenly, or the bicycle wheel may lock and the bicycle fall over, causing serious injury.

INSTALLATION

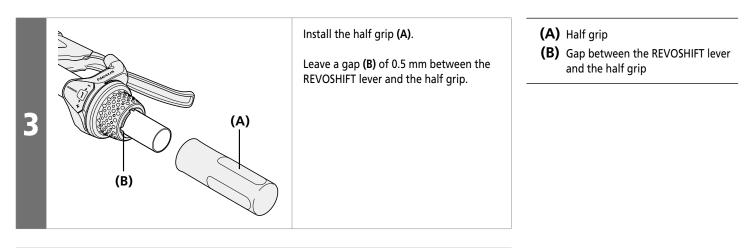
Installation of the lever

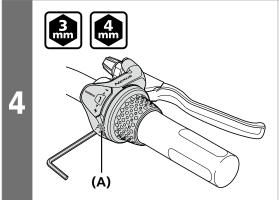
Installation of the REVOSHIFT lever



Δ

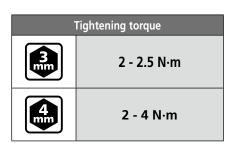




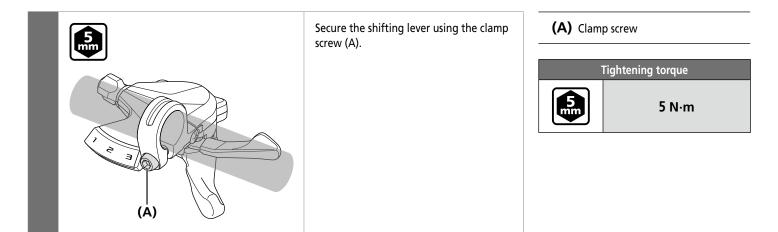


Tighten the REVOSHIFT lever.

(A) Fixing bolt



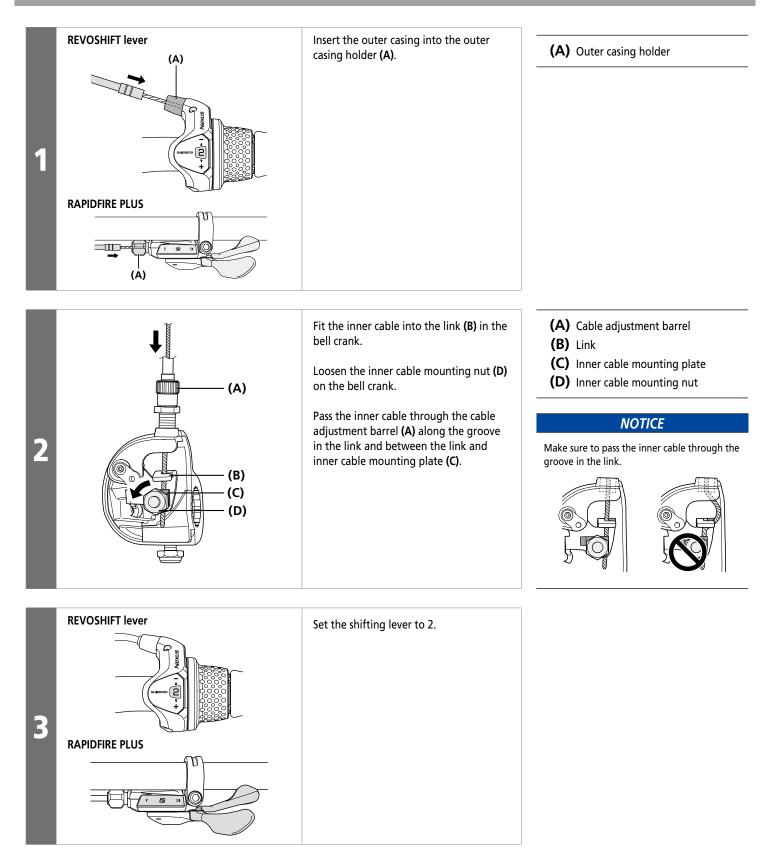
Installation of the shifting lever (RAPIDFIRE PLUS)





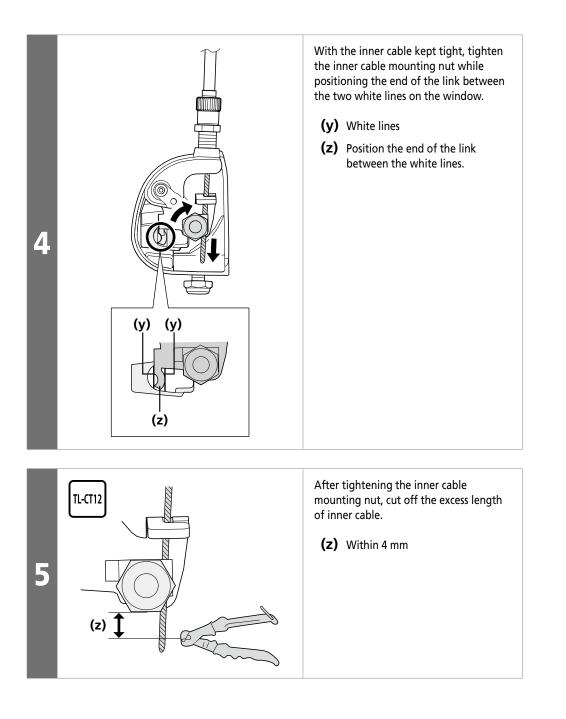
Installation of the bell crank type hub

Installation of the shifting cable

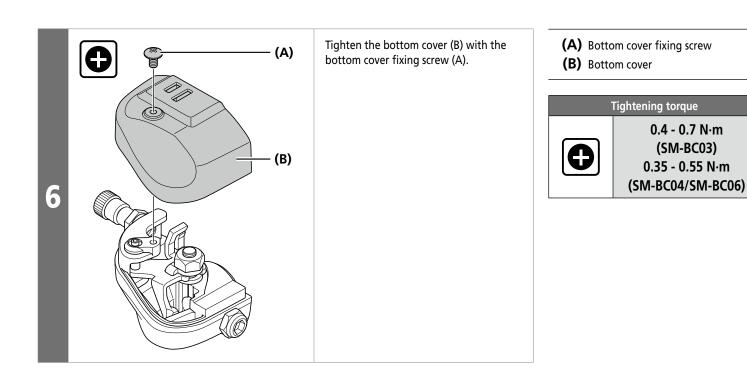








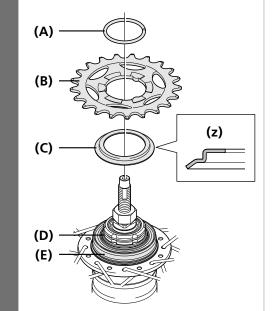




8



Installation of the sprocket to the hub (SM-GEAR)



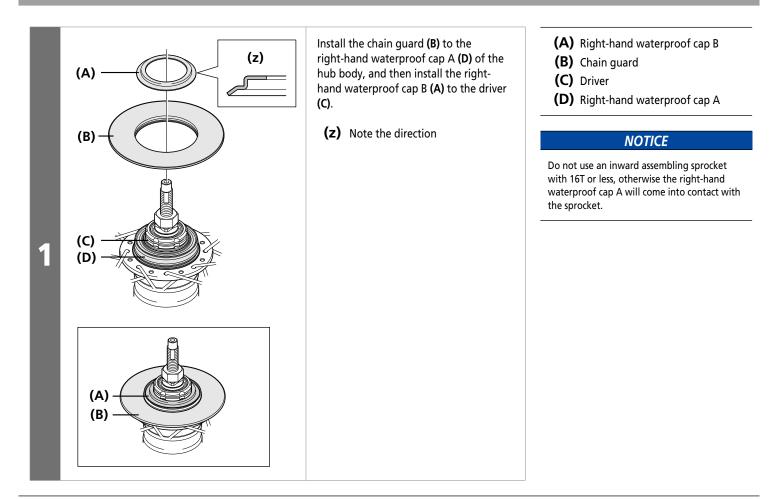
Place the right-hand waterproof cap B (C) onto the driver (D) on the right side of the hub body.

Next, install the sprocket **(B)** and secure it in place with the snap ring **(A)**.

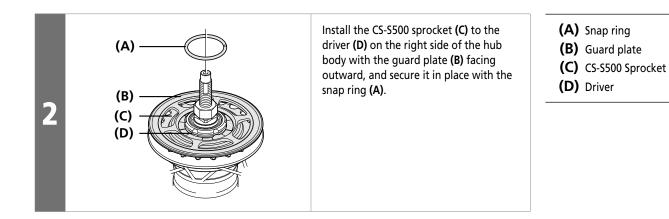
(z) Note the direction

- (A) Snap ring
- (B) Sprocket
- (C) Right-hand waterproof cap B
- (D) Driver
- (E) Right-hand waterproof cap A

Installation of the sprocket to the hub (CS-S500 sprocket with chain guard)

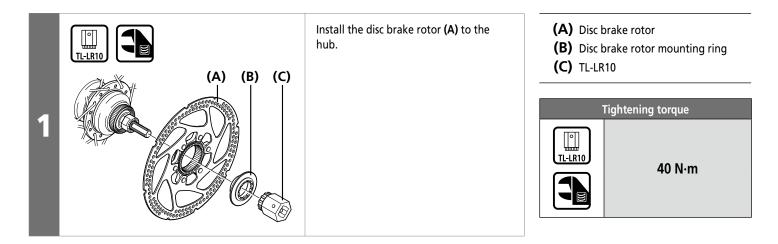




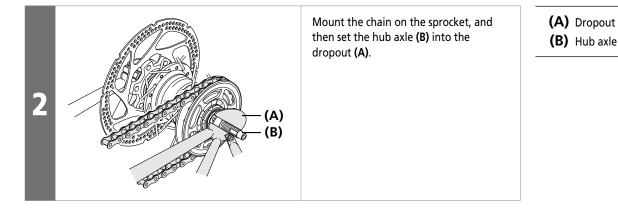




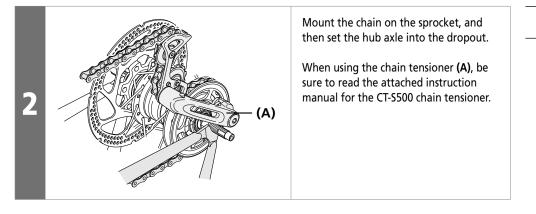
Installation of the hub to the frame (for disc brakes)



< When not using the chain tensioner >

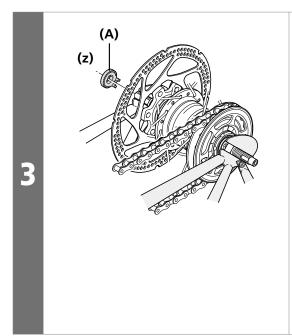


< When using the chain tensioner >



(A) Chain tensioner





Place the non-turn washer (A) onto the left side of the hub axle from the outer side.

At this time, turn the hub axle and install the non-turn washer so that the protrusion of the washer fits into the groove in the dropout.

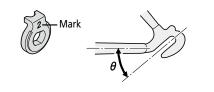
(Z) The protrusion should be on the dropout side.

Install the non-turn washer so that the protrusion fits securely in the dropout groove at the front and back sides of the hub axle. (A) Non-turn washer

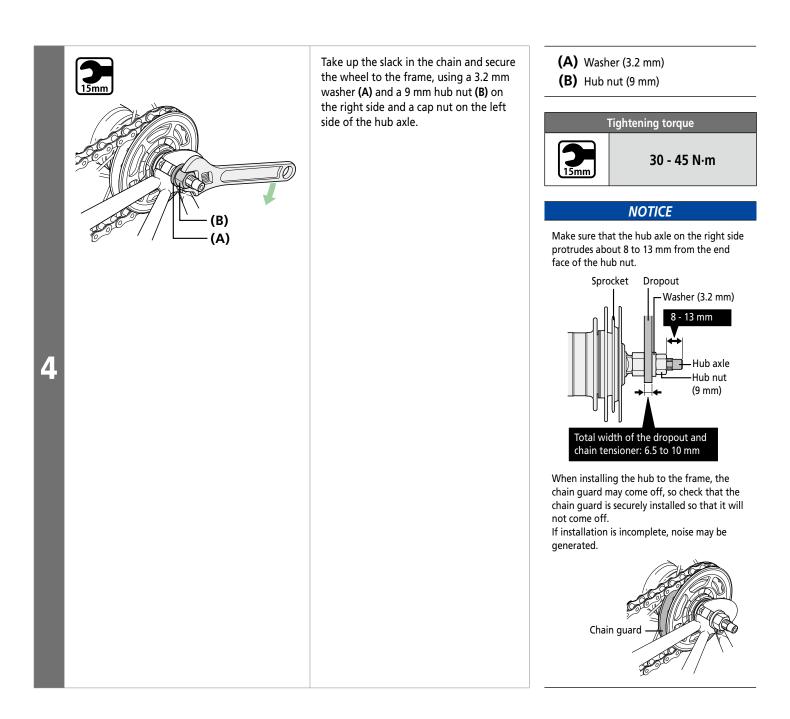
NOTICE

Use a non-turn washer that matches the shape of the dropout.

Deservet	Non-turn washer (for left side use)	
Dropout	Mark / Color	Size
Standard	2 / Yellow	Θ ≤ 20°
Standard		θ ≤ 38°
Reversed		Θ = 0°
Reversed (full chain case)		Θ = 0°
Vertical	8L / Green	Θ = 60° - 90°

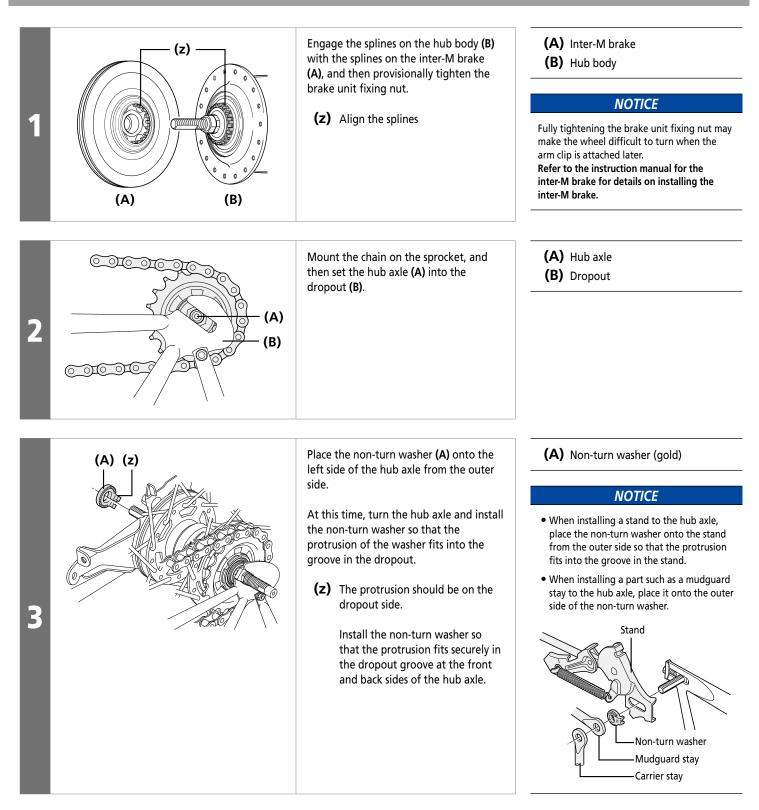




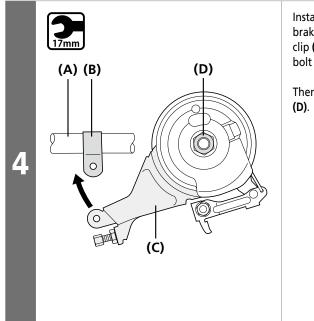




Installation of the hub to the frame (for roller brakes)



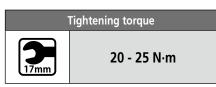




Install the brake arm (C) of the inter-M brake to the chainstay (A) using the arm clip (B) and temporarily tighten the clip bolt and clip nut loosely.

Then, tighten the brake unit fixing nut **(D)**.

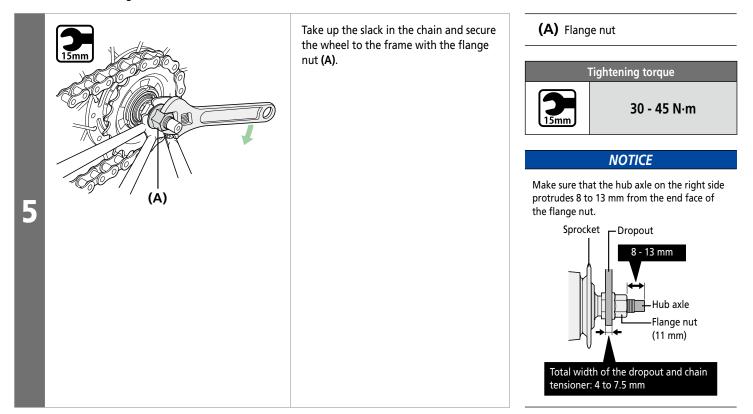
- (A) Chainstay
- (B) Arm clip
- (C) Brake arm
- (D) Brake unit fixing nut



NOTICE

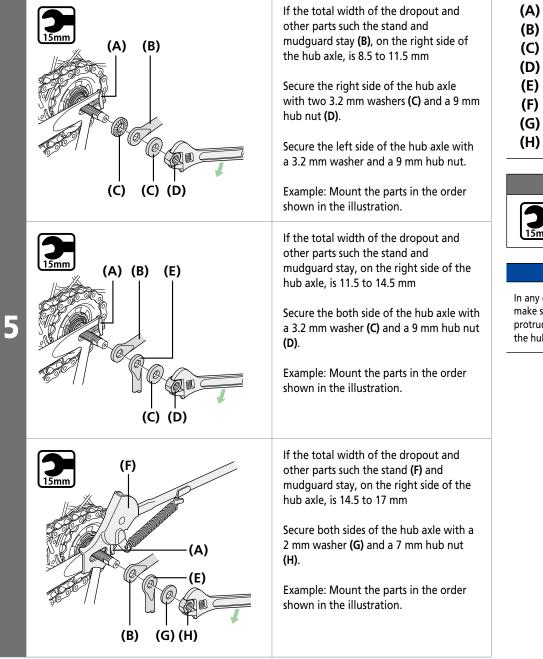
If it is impossible to temporarily attach the brake arm to the chainstay due to misalignment of the brake arm as shown in the illustration, loosen the brake unit fixing nut and turn the brake arm before temporarily attaching it to the chainstay. Then, tighten the brake unit fixing nut.

< For a 170.3 mm long axle >

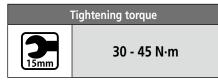




< For a 189.4 mm long axle >



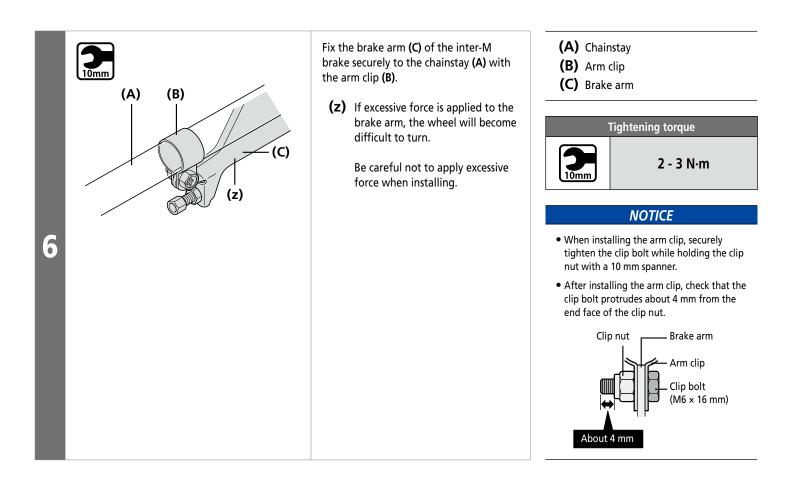
- **(B)** Mudguard stay
- (C) Washer (3.2 mm)
- (D) Hub nut (9 mm)
- (E) Carrier stay
- (F) Stand
- (G) Washer (2 mm)
- (H) Hub nut (7 mm)



NOTICE

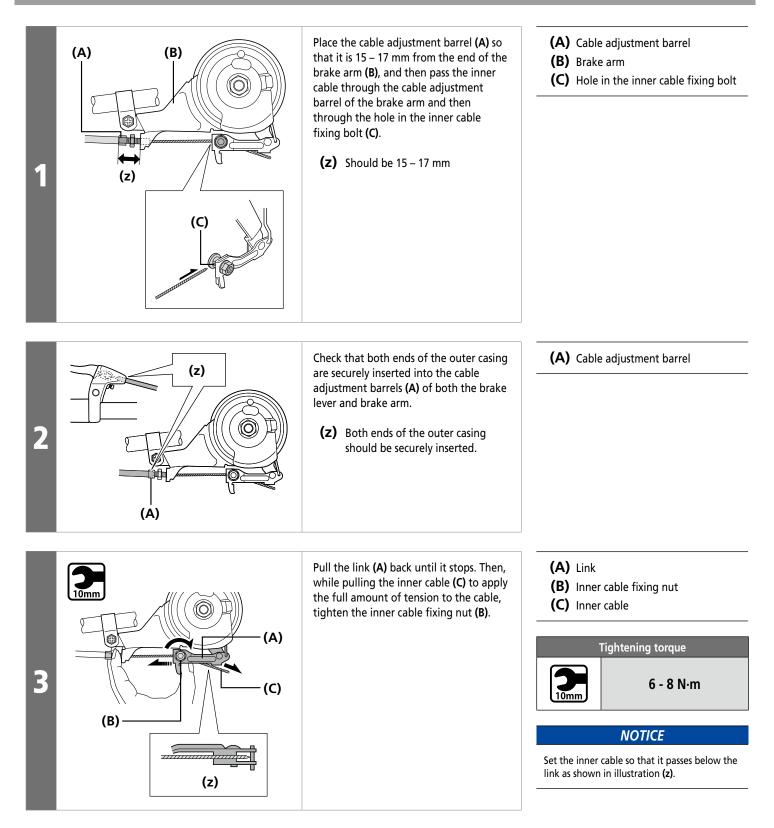
In any of the cases described in this step, make sure that the hub axle on the right side protrudes 8 to 13 mm from the end face of the hub nut.





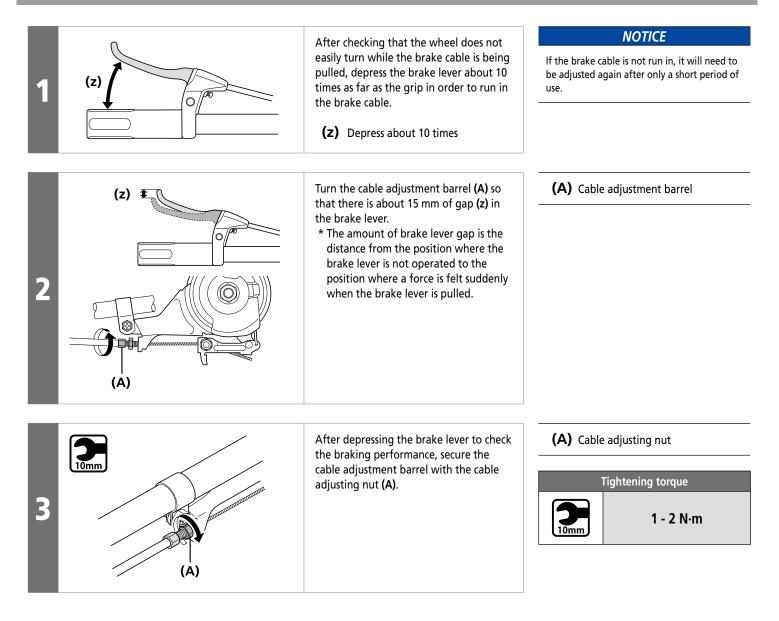


Installing the brake cable



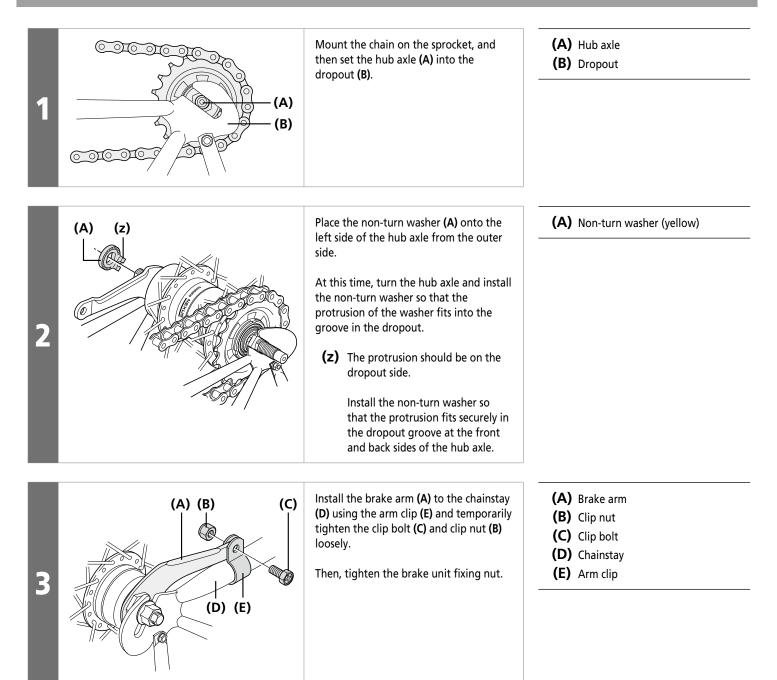


Adjusting the brake cable

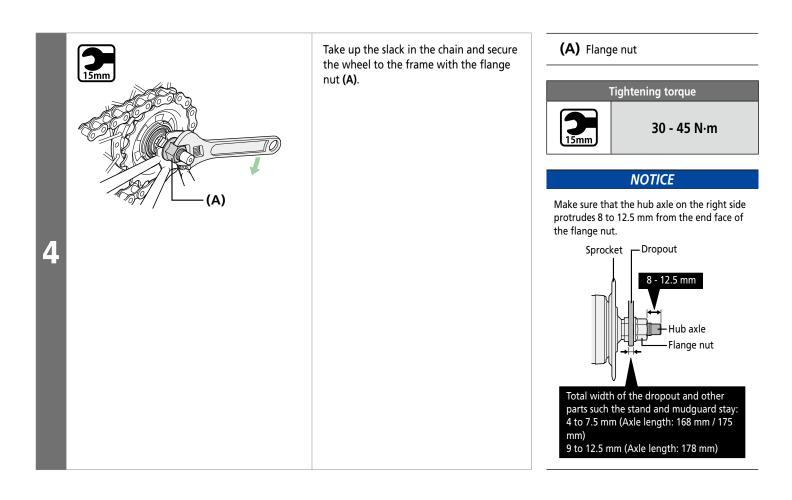




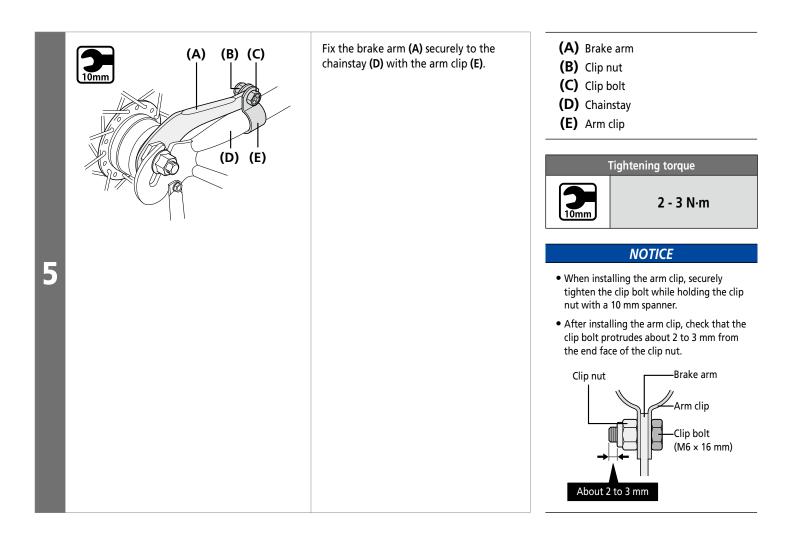
Installation of the hub to the frame (for coaster brakes)





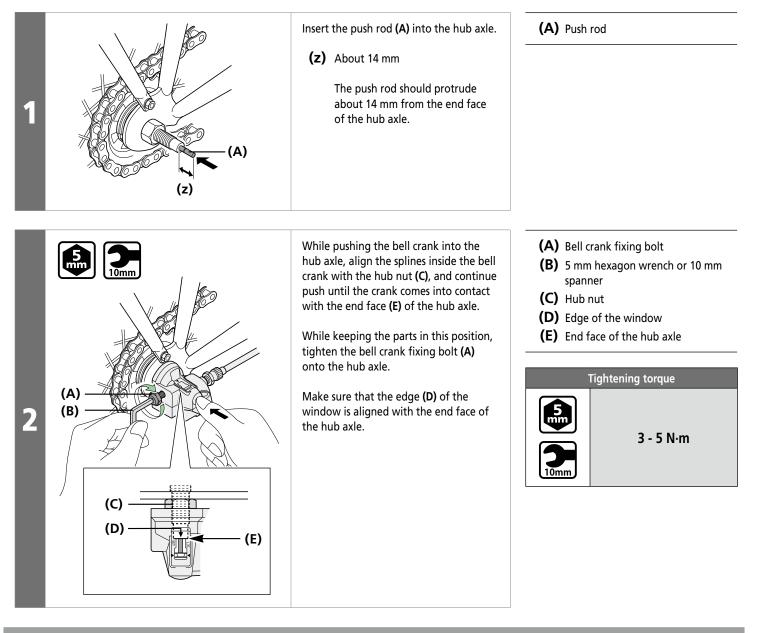




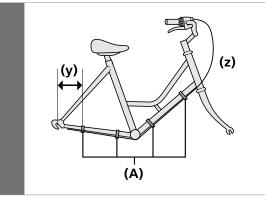




Installation of the bell crank



Securing the shifting cable to the frame



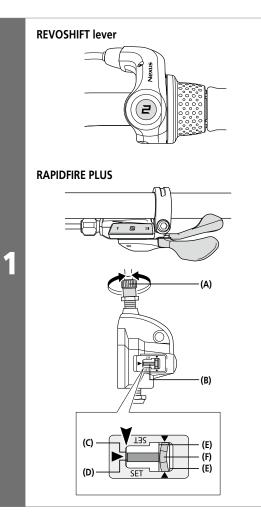
Secure the cable to the frame with the outer casing bands (A).

- **(y)** 20 25 cm
- (Z) Slacken the cable to prevent strain from being placed on the cable when turning the handlebars.
- (A) Outer casing bands



ADJUSTMENT

For bell cranks



Set the shifting lever to 2.

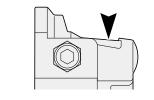
Next, turn the cable adjustment barrel (A) to align the red line (D) on the push rod with the end (C) of the hub axle.

(A) Cable adjustment barrel

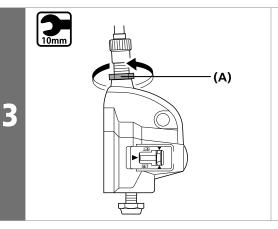
- (B) Push rod
- (C) End of the hub
- (D) Red line on the push rod
- (E) Yellow lines
- (F) Yellow part of the link

NOTICE

During adjustment, check the two yellow lines through the window from above.

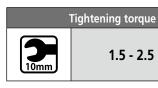


While turning the crank, move the shifting lever from 3 to 1 then back to 3. Repeat this two or three times and check that the gears are being shifted. Move the shifting lever from 1 to 2 again and make sure that the red line on the push rod is aligned with the end of the hub axle. If they are not aligned, perform readjustment.



After adjusting the bell crank IV, fix the cable adjustment barrel with the cable adjustment nut (A).

(A) Cable adjustment nut



1.5 - 2.5 N⋅m

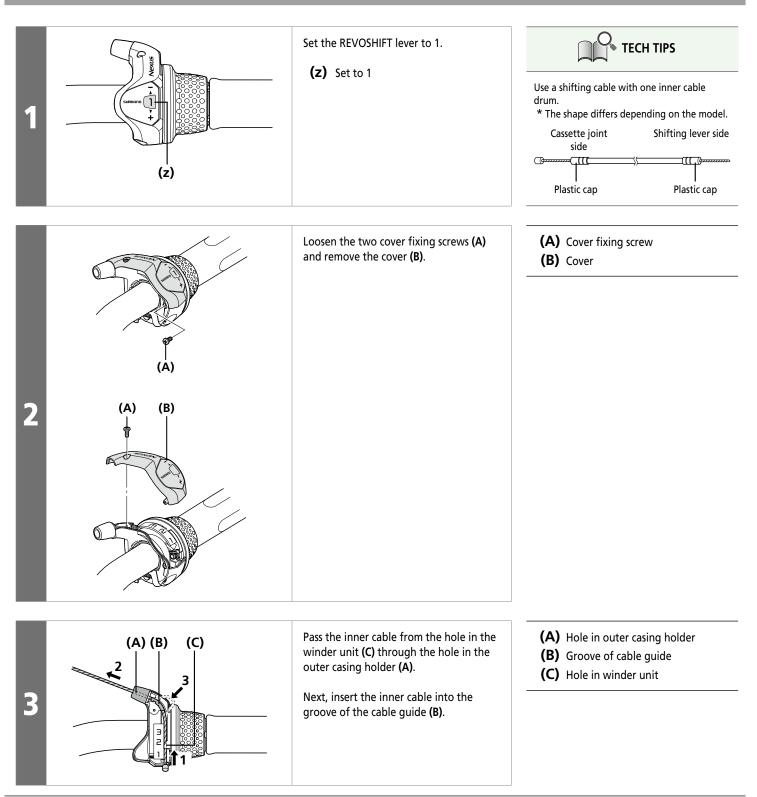




MAINTENANCE

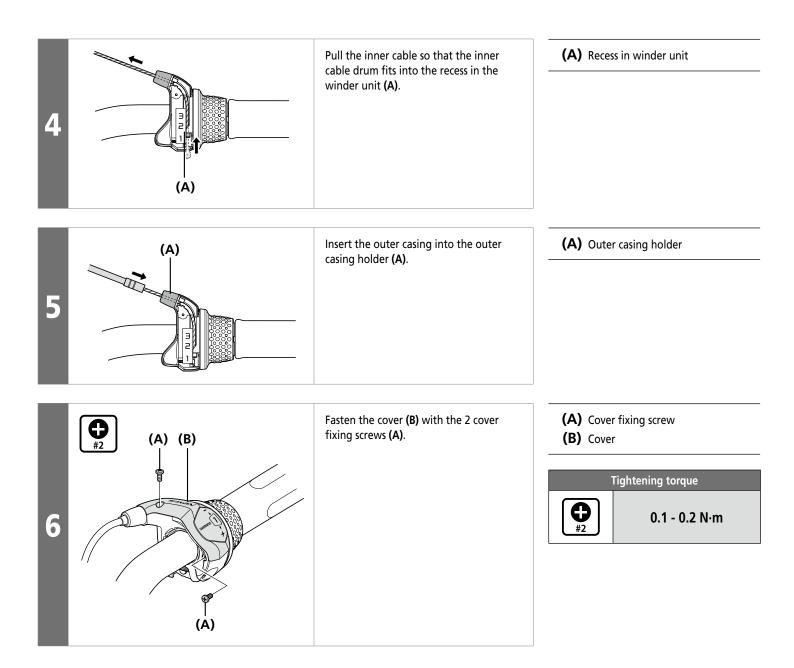
Replacement of the shifting cable

REVOSHIFT lever (In the case of 3S41-E/3S42-E)



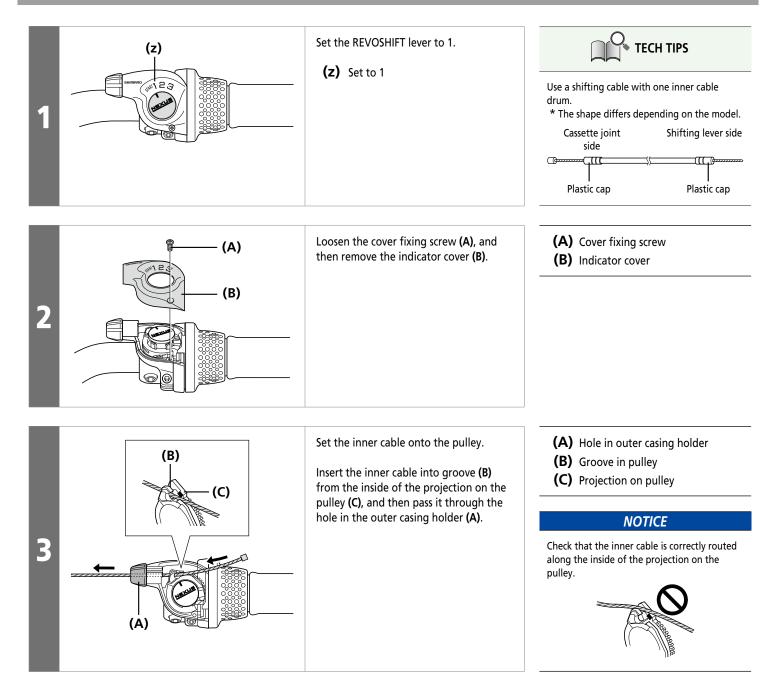




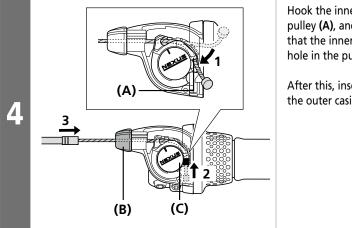




REVOSHIFT lever (In the case of 3S35-E)







Hook the inner cable into groove in the pulley (A), and pull the inner cable so that the inner cable drum fits into the hole in the pulley (C).

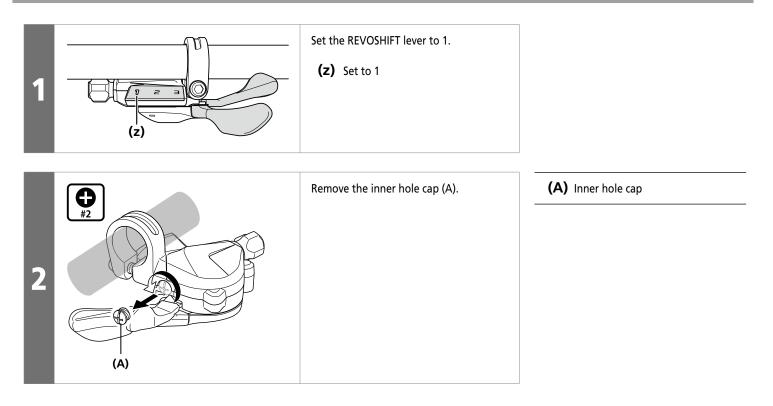
After this, insert the outer casing into the outer casing holder **(B)**.

- (A) Groove in pulley
- (B) Outer casing holder
- (C) Hole in pulley

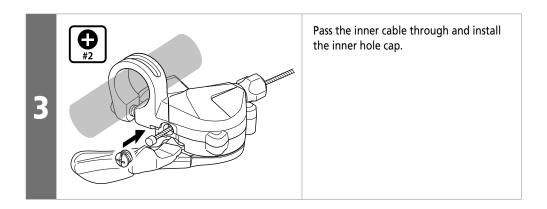
5

Replace the indicator cover and tighten the cover fixing screw.

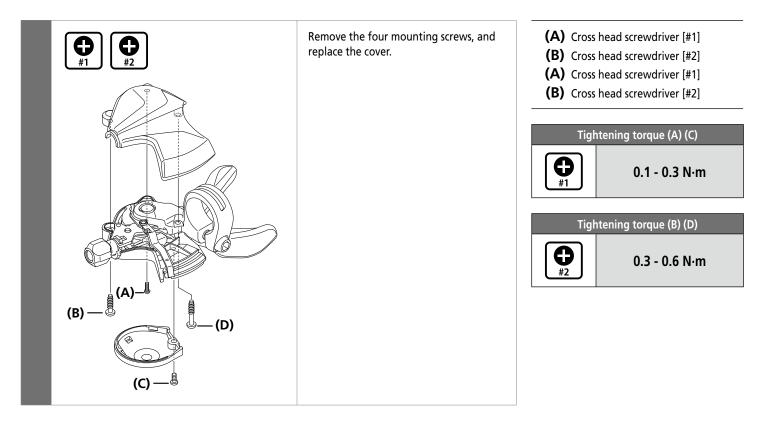
Shifting lever (RAPIDFIRE PLUS)







Replacement of the cover (RAPIDFIRE PLUS)



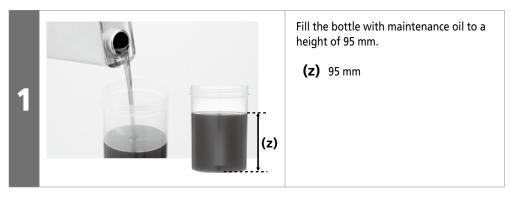


Oil maintenance of the internal assembly

To maintain the product in good working order, it is recommended to have a bicycle dealer or nearest agency carry out maintenance such as lubrication of the internal parts about once every two years from the first time of use (once about every 5,000 km if the bicycle is used very frequently). Also, for carrying out maintenance, the use of Shimano internal geared hub grease or a lubrication kit is recommended. If Shimano grease or a Shimano lubrication kit is not used, problems such as a malfunction in gear shifting may occur.

(A) WB maintenance oil set (Y00298010)

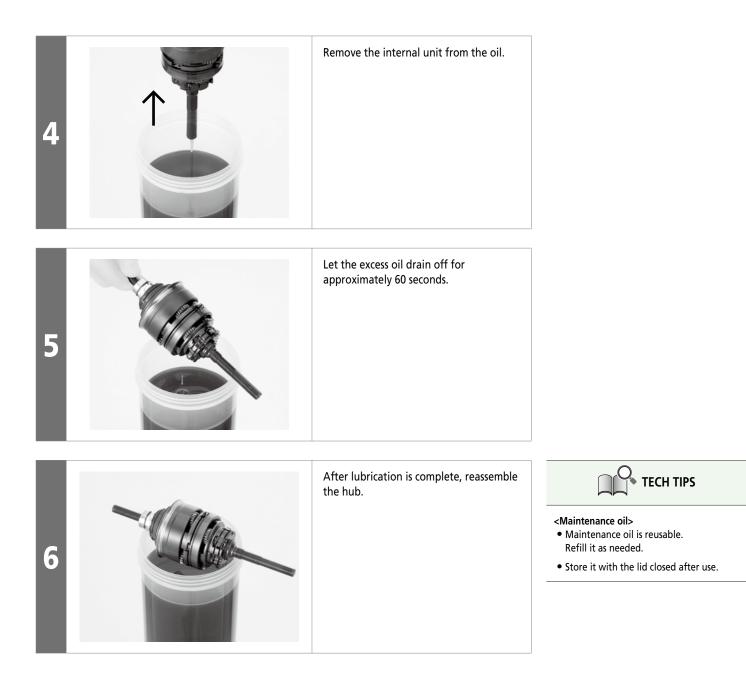




2	Immerse the internal unit into the oil from the left side until the oil reaches up to ring gear unit 1, as shown in the illustration. (z) Ring gear unit 1
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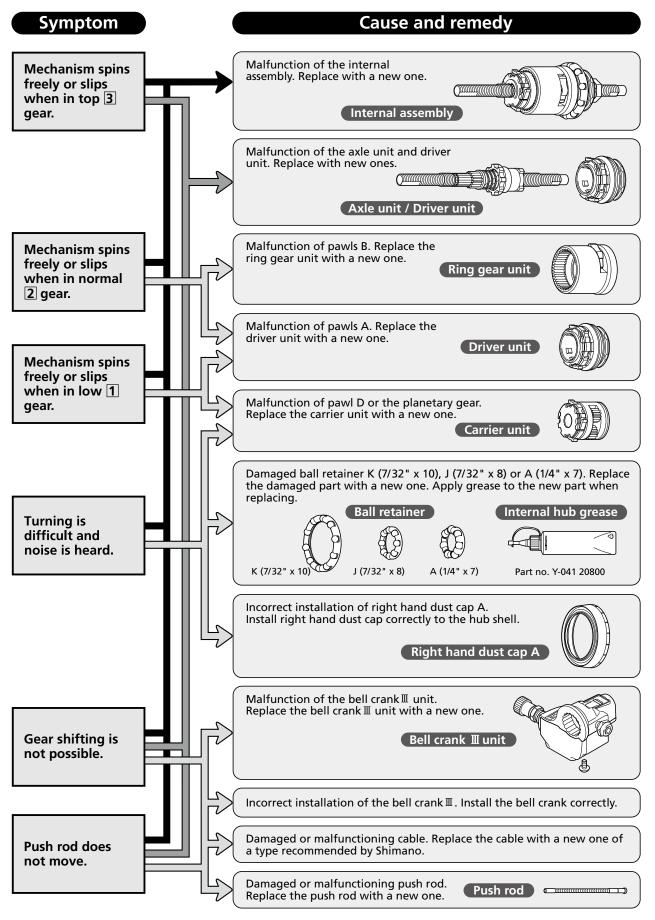




Troubleshooting



Troubleshooting





Disassembly and Assembly



Tools

a: TL-HS20 Hub spanners Part no. Y-320 90010 15 mm/17 mm (2 pcs.)

- b: TL-HS10 Hub spanners Part no. Y-230 90010 13 mm x 14 mm (2 pcs.)
- c: Slotted Screwdriver





Disassembly of the INTER-3 Hub (Roller Brake Spec.)

1. Hold the two beveled surfaces of the hub axle in a vise.



NOTICE

• Do not damage the threads of the hub axle.

2. Remove the right hand dust cap A with a slotted screwdriver.



3. Hold the two beveled surfaces of the hub axle on the driver side in a vise.



NOTICE

• Do not damage the threads of the hub axle.



4. Hold the left hand cone, and then remove the lock nut for left hand cone. Next, remove the left hand cone.

5. Remove the hub shell.



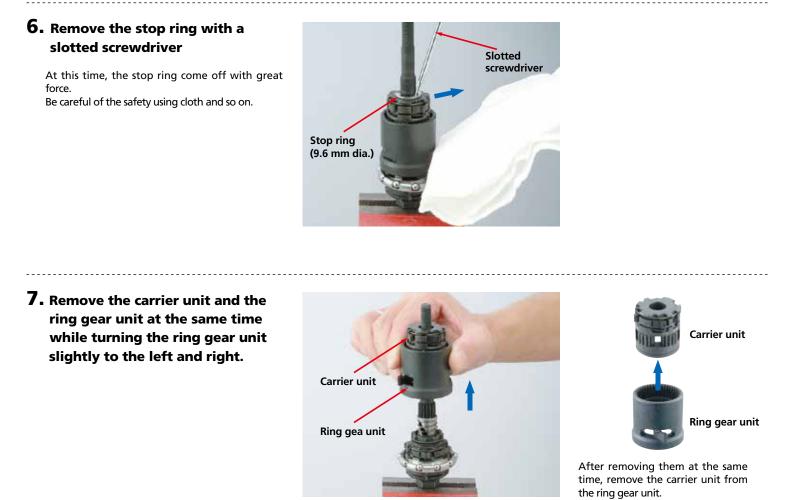
Now it can be replaced with the new internal assembly.



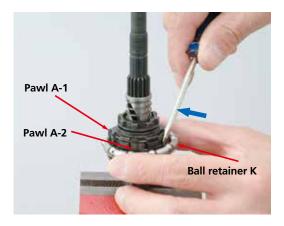
Internal assembly for quick replacement

Part no.	Axle length
Y-33S 90700	170.3 mm
Y-33S 98270	176.8 mm
Y-33S 90710	189.4 mm





8. Remove ball retainer K while pressing in pawl A-1 and pawl A-2 on the driver unit with your fingers.





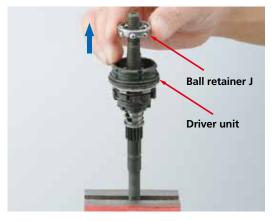
- **9.** Turn the axle unit with driver upside down and hold the two Axle unit with driver beveled surfaces of the axle in a vise. NOTICE • Do not damage the threads of the hub axle. **10.** Remove the right hand lock nut and the right hand cone with dust seal from the hub axle.
 - TL-HS20 (17 mm) TL-HS20 (15 mm)





Right hand cone with dust seal

11. Remove ball retainer J from the driver unit.







This completes the disassembly of the Inter-3 hub.



Return to index page

SHIMANO exus

Assembly of the INTER-3 Hub (Roller Brake Spec.)

NOTICE

• Although there is white-colored and black-colored grease, the two types can be mixed during use.



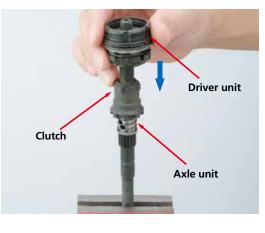
 Hold the two beveled surfaces of the axle unit on the gear side in a vise.

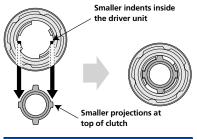


NOTICE

• Do not damage the threads of the hub axle.



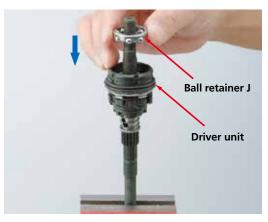




NOTICE

• Align the two smaller indents inside the driver unit with the two smaller projections at the top of the clutch when installing the driver unit.

3. Place ball retainer J onto the driver unit



NOTICE

- Be careful of the setting direction.
- Apply a liberal coating of internal hub grease.

GREASE (Y04120800)

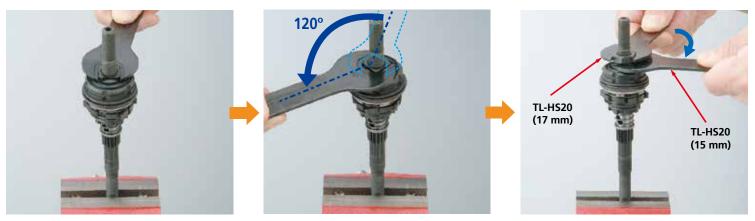


4. Screw the right hand cone with dust seal onto the hub axle as far as it will go. Then turn the right hand cone counterclockwise by 120 degree, and then secure it by tightening the right hand lock nut.





Right hand cone with dust seal



Tightening torque: 12 - 20 N⋅m {104 - 174 in.lbs}

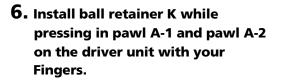
5. Turn the axle unit with driver upside down and hold the two beveled surfaces of the axle on the driver side in a vise.

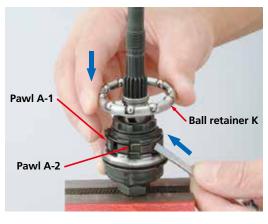


NOTICE

• Do not damage the threads of the hub axle.





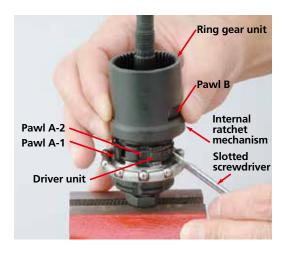


NOTICE

- Be careful of the setting direction.
- Apply a liberal coating of internal hub grease.

(Y04120800)

7. While pushing the two pawls B on the ring gear unit with your fingers, push the two pawls A-1 and the two pawls A-2 on the driver unit one by one with a slotted screwdriver and install the ring gear unit to the driver unit.



NOTICE

- Be careful of the directions of the two pawls B.
- Apply a liberal coating of internal hub grease.
- Check that pawls B are not hooked onto the clutch.
- Check that pawls A-1 and A-2 care engaged with the ratchet mechanism in the ring gear unit.
- Apply a liberal coating of internal hub grease to the gear inside the ring gear unit.

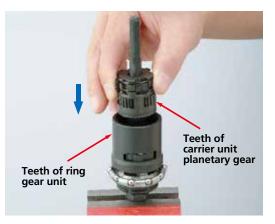


ОК





8. Engage the teeth of the planetary gear of the carrier unit with the teeth of the ring gear unit while turning the carrier unit slightly to the left and right and pushing it onto the ring gear unit.





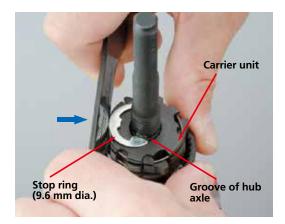
Check

• Check that the stop ring groove of the hub axle is visible from the edge of the carrier unit after the carrier unit has been installed.

NOTICE

• Apply a liberal coating of internal hub grease to the planetary gear (in 4 places) inside the carrier unit.

9. Insert the stop ring into the groove of the hub axle.



NOTICE

 After inserting the stop ring, check that there is a small amount of play in the carrier unit in the vertical direction. If there is no vertical play and the carrier unit turns stiffly, turn the internal assembly upside down and hold the hub axle in a vice. Then loosen the right hand lock nut and the right hand cone with dust seal to adjust until there is sufficient play.

10. While turning the hub shell counterclockwise slightly, place it onto the internal assembly.





11. Screw on the left hand cone to adjust so that the hub shell can be turned smoothly without any play. After adjusting, secure the left hand cone with the lock nut for left hand cone.
Tightening torque:

Tightening torque: 12 - 20 N·m {104 - 174 in.lbs}

12. Turn the hub upside down and hold the two beveled surfaces of the axle in a vise.



NOTICE

• Do not damage the threads of the hub axle.

Left hand cone

13. Install right hand dust cap A to the hub shell.



Check

• After installing right hand dust cap A to the hub shell, turn the hub shell clockwise and check that it turns smoothly. If the hub shell does not turn smoothly, re-install right hand dust cap A.

NOTICE

- Apply a coating of internal hub grease to the inside of right hand dust cap A to waterproof it.
- Push right hand dust cap A firmly onto the hub shell until it clicks.

This completes the assembly of the Inter-3 hub

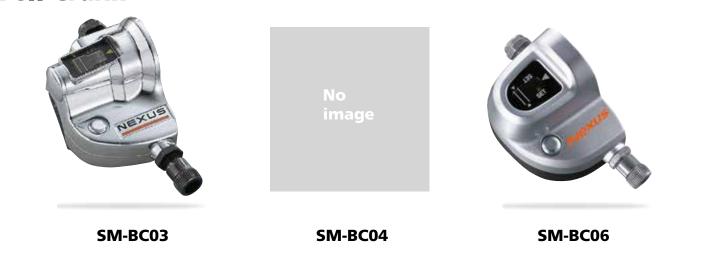


Service Parts



Service Parts

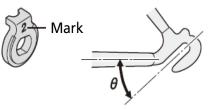
Bell Crank



Non-Turn Washer

The shape of the dropout determines which NTW to choose. In the illustration below, you can see the result for various frame dropouts in combination with the chosen NTW .

Dranquit	Non-Turn Washer (for left side use)		
Dropout	Mark / Color	Size	
Except vertical type	2 / Yellow	θ =0° ~60°	
Vertical type	8L / Green	<i>θ</i> =60° ~90	





Interchangeability



Interchangeability

		Compatible Products
	SG-3R40	SG-3R40
Internal Unit	SG-3C41	SG-3C41
	SG-3D55	SG-3D55

(NOTE) *The specifications differ depending on the length of the axle etc. Therefore, follow the compatibility of the axle length and such.

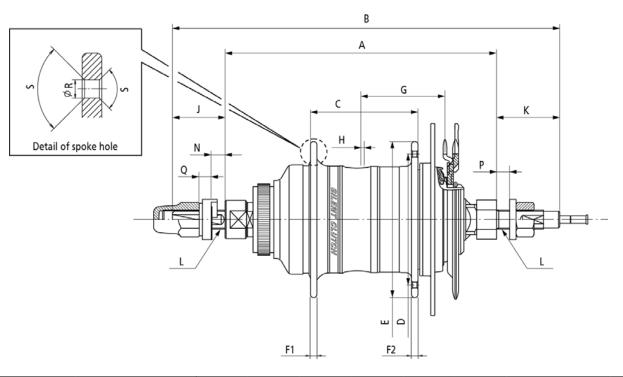


Hub dimensions (Over Locknut Dimensions and Axle)



Hub dimensions (Over Locknut Dimensions and Axle)

SG-3R40 / SG-3C41 / SG-D55



	Series			NEXUS							
	Model No.		SG-3R40 SG-3C41						SG-3D55		
	Speed						3				
	Gear rat	io: Total		186%							
	Sales	area		All							
	Brake	e type		Hu	ub roller bra	ke			Coaster brak	e	Disc brake
	Hub shel	l material				Ste	eel				Aluminum
	Spok	e size					#13 / #14	1			
Α	Over locknut di	m. / O.L.D. (mm)	1	20	1:	27	130	1	20	127	135
В	Axle leng	gth (mm)	170	189	177	183	183.5	168	178	175	193
	Push rod le	ength (mm)	81.85	90.75	86.85	90.75	86.85	81.85	86	.85	90.75
С	Flange dist	tance (mm)			53				57.5		53.5
D	Spoke hole P.C.D. (mm)				74				59		65
	Butterfly spoke hole			- ·							
Ε	Flange diar	meter (mm)	84 67.5						77.6		
F	Flange width	(mm): F1 (left)	2.3						3.2		
Г	Flange width (mm): F2 (right)	2.3							3.2	
		15T (flat gear) use	42.2 40.5 45.5		43.7 42.2		42.2	44.5			
G	Chain line (mm)	Inward assembly	39	9.7	3	8	43	41.2		39.7	42
		Outward assembly	44	4.7	4	3	48	40	6.2	44.7	47
н	Offset	t (mm)	0	.8		2.5		1	.2	2.7	1.7
J	Axle length f	rom hub (left)	22.5	32.7	22.5	24.5	22.5	21	26	21	26.2
к	Axle length fr	om hub (right)	27.4	36.3	27.5	31.4	30.8	27	32	26.6	31.4
L	L Axle size		BC3 / 8 TPI 26								
Ν	Rear dropout mounting width (left, includes stay etc.)		4.0 -7.5	8.5 -17.0	4.0 -7.5	8.0 -11.5	7.5 -11.0	4.0 -7.5	9.0 -12.5	4.0 -7.5	6.5 - 10.0
Р	Rear dropout mounting width (right, includes stay etc.)		4.0 - 7.5 8.0 - 17.0 4.0 - 7.5 8.0 - 11.5 7.5 - 11.0			4.0 - 7.5 9.0 - 12.5 4.0 - 7.5		0.5 - 10.0			
Q	Non-turn w	asher width	4.0 4.0							4.0 or 6.4	
R	Spoke hole d	liameter (mm)	2.7					2.9			
S	Spoke ho	le chamfer	105°					90°			



EV / Spare Parts List

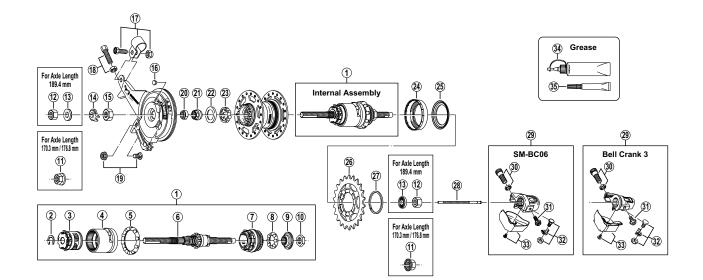
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SHIMANO exus

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Spare parts list

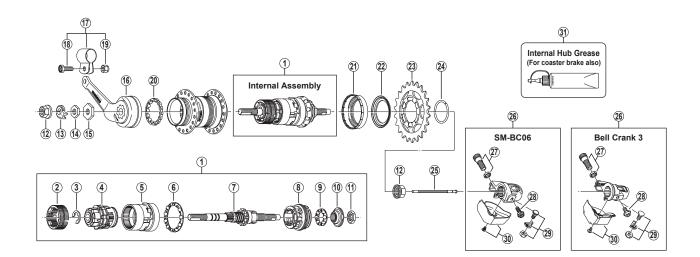
NEXUS 3-SPEED HUB w/Hi-Power Roller Brake SG-3R40 inter -3 Hub / BR-IM31-R inter -M Brake



ITEM NO.	SHIMANO CODE NO.	DESCRIPTION	
	Y33S90700	Internal Assembly (Axle Length 170.3 mm)	
1	Y33S98270	Internal Assembly (Axle Length 176.8 mm)	
	Y33S90710	Internal Assembly (Axle Length 189.4 mm)	
2	Y33Y19000	Stop Ring (<i>φ</i> 9.6 mm)	
3	Y33S90400	Carrier Unit	
4	Y33S90300	Ring Gear Unit	
5	Y33R90220	Ball Retainer K (7/32" x 10)	
	Y33S98040	Axle Unit (Axle Length 170.3 mm)	
6	Y33S98280	Axle Unit (Axle Length 176.8 mm)	
	Y33S98050	Axle Unit (Axle Length 189.4 mm)	
7	Y33S90200	Driver Unit	
8	Y33R90210	Ball Retainer J (7/32" x 8)	
9	Y33R90500 Right Hand Cone w/Dust Seal		
10	Y33R08100	Right Hand Lock Nut (5 mm) for Axle Length 170.3 mm / 189.4 mm	
10	Y32530100	Right Hand Lock Nut (9.9 mm) for Axle Length 176.8 mm	
11	Y22015010	Flange Nut for Axle Length 170.3 mm / 176.8 mm	
43	Y32170020	Hub Nut (7 mm) for Axle Length 189.4 mm	
12	Y20003000	Hub Nut (9 mm) for Axle Length 189.4 mm	
43	Y22006000	Washer (2 mm) for Axle Length 189.4 mm	
13	Y22006040	Washer (3.2 mm) for Axle Length 189.4 mm	
14	Y33Z20200	Non-turn Washer 2 (Yellow)	
45	Y75V13000	Brake Unit Fixing Nut (8.2 mm) for Axle Length 170.3 mm / 189.4 mm	
15	Y75V13010	Brake Unit Fixing Nut (9.7 mm) for Axle Length 176.8 mm	
16	Y75F11000	Grease Hole Cap	
	Y75M98050	Brake Arm Clip Unit (ϕ 15 mm)	
	Y33F98090	Brake Arm Clip Unit (5/8")	
17	Y75M98060	Brake Arm Clip Unit (11/16")	
	Y33F98100	Brake Arm Clip Unit (3/4")	
18	Y75Y98050	Brake Cable Adjusting Bolt & Nut	

ITEM NO.	SHIMANO CODE NO.	DESCRIPTION		
19	Y75Y98060	Inner Cable Fixing Bolt & Nut		
20	Y31Z06020	Lock Nut for Left Hand Cone		
21	Y33M37000	Left Hand Cone		
22	Y31Z07000	Left Hand Dust Cap		
23	Y32190220	Ball Retainer A (1/4" x 7)		
24	Y33R05000	Right Hand Dust Cap A		
25	Y33R52001	Right Hand Dust Cap B		
	Y32203200	Sprocket Wheel 16T (Black)		
	Y73T21830	Sprocket Wheel 18T (Black)		
	Y73T21930	Sprocket Wheel 19T (Black)		
26	Y73T22030	Sprocket Wheel 20T (Black)		
	Y73T22130	Sprocket Wheel 21T (Black)		
	Y73T22230	Sprocket Wheel 22T (Black)		
	Y73T22330	Sprocket Wheel 23T (Black)		
27	Y32120100	Snap Ring C		
Y33R98080		Push Rod (81.85 mm) for Axle Length 170.3 mm		
28	Y33S98180	Push Rod (86.85 mm) for Axle Length 176.8 mm		
	Y33S98290	Push Rod (90.75 mm) for Axle Length 189.4 m		
29	Y6P198030	SM-BC06 Bell Crank Unit		
29	Y33S95100	Bell Crank 3 Unit		
30	Y33598010	Cable Adjusting Bolt & Nut		
21	Y33574000	Bell Crank Body Fixing Bolt for SM-BC06		
31	Y33557000	Bell Crank Body Fixing Bolt for Bell Crank 3		
32	Y33S98030	Inner Cable Fixing Bolt Unit		
Y6P198040 Bell Crank Cover & Fixir		Bell Crank Cover & Fixing Screw for SM-BC06		
33	Y33S98020	Bell Crank Cover & Fixing Screw for Bell Crank 3		
24	Y04120800	Internal Hub Grease (Net. 100g)		
34	Y04120400	Roller Brake Grease (Net. 100g)		
35	Y04140020	Roller Brake Grease (Net. 10g)		

NEXUS 3-SPEED HUB w/Coaster Brake SG-3C41 inter -3 Hub / Left Side Non-turn Washer Spec.

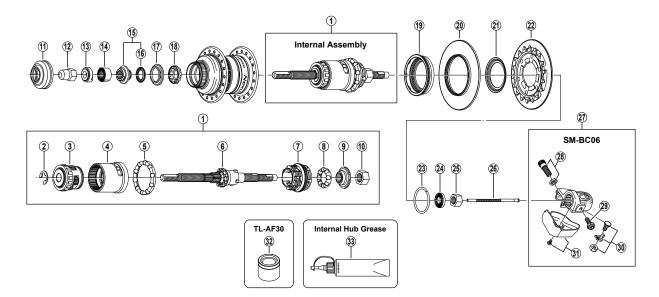


ITEM NO.	SHIMANO CODE NO.	DESCRIPTION
	Y35U98010	Internal Assembly (Axle Length 168 mm)
1	Y33R98020	Internal Assembly (Axle Length 175 mm)
	Y35U98020	Internal Assembly (Axle Length 178 mm)
2	Y33R90600	Brake Shoe Unit
3	Y32532000	Stop Ring (ø9 mm)
4	Y33R90700	Carrier Unit
5	Y33R90800	Ring Gear Unit
6	Y35U98060	Ball Retainer K (7/32" x 11)
	Y33R98050	Axle Unit (Axle Length 168 mm)
7	Y33R98040	Axle Unit (Axle Length 175 mm)
	Y35U98030	Axle Unit (Axle Length 178 mm)
8	Y33R90400	Driver Unit
9	Y35U98070	Right Hand Cone w/Dust Seal
10	Y33R90500	Right Hand Lock Nut (5 mm) for Axle Length 170.3 mm / 189.4 mm
11	Y32139040	Right Hand Lock Nut (4.5 mm) for Axle Length 168 mm/178 mm
''	Y32530100	Right Hand Lock Nut (9.9 mm) for Axle Length 175 mm
12	Y32170020	Flange Nut
13	Y33Z20200	Non-turn Washer 2 (Yellow)
14	Y33R49010	Left Hand Lock Nut (3 mm) for Axle Length 168 mm/178 mm
14	Y33R49020	Left Hand Lock Nut (5 mm) for Axle Length 175 mm
15	Y33R48010	Stop Nut (3 mm)
16	Y35U98040	Brake Arm Unit
17	Y33F98090	Brake Arm Clip Unit (5/8")
17	Y33F98100	Brake Arm Clip Unit (3/4")

ITEM NO.	SHIMANO CODE NO.	DESCRIPTION			
18	Y75M06000	Clip Screw (M6 x 16)			
10	Y31727200	Clip Nut			
		•			
20	Y33R90200	Ball Retainer L (3/16" x 14)			
21	Y33R05000	Right Hand Dust Cap A			
22	Y33R52001	Right Hand Dust Cap B			
	Y32203200	Sprocket Wheel 16T (Black)			
	Y73T21830	Sprocket Wheel 18T (Black)			
	Y73T21930	Sprocket Wheel 19T (Black)			
23	Y73T22030	Sprocket Wheel 20T (Black)			
	Y73T22130	Sprocket Wheel 21T (Black)			
	Y73T22230	Sprocket Wheel 22T (Black)			
	Y73T22330	Sprocket Wheel 23T (Black)			
24	Y32120100	Snap Ring C			
25 Y33R98080 Push Rod (81.85 n		Push Rod (81.85 mm) for Axle Length 168 mm			
25	Y33S98180	Push Rod (86.85 mm) for Axle Length 175 mm/178 mm			
26	Y6P198030	SM-BC06 Bell Crank Unit			
26	Y33S95100	Bell Crank 3 Unit			
27	Y33S98010	Cable Adjusting Bolt & Nut			
20	Y33S74000	Bell Crank Body Fixing Bolt for SM-BC06			
28	Y33S57000	Bell Crank Body Fixing Bolt for Bell Crank 3			
29	Y33S98030	Inner Cable Fixing Bolt Unit			
	Y6P198040	Bell Crank Cover & Fixing Screw for SM-BC06			
30	Y33S98020	Bell Crank Cover & Fixing Screw for Bell Crank 3			
31	Y04120800	Internal Hub Grease (Net. 100g)			



NEXUS 3-Speed Internal Hub SG-3D55

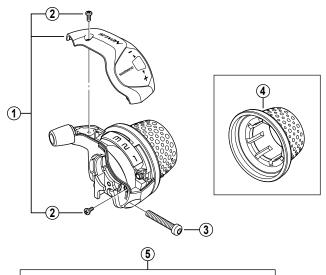


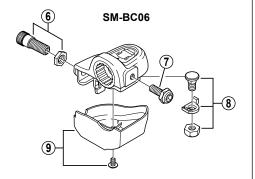
ITEM NO.	SHIMANO CODE NO.	DESCRIPTION
1	Y-36U 98010	Internal Assembly (Axle Length 192.6 mm)
2	Y-33Y 19000	Stop Ring (9.6 mm)
3	Y-35E 98020	Carrier Unit
4	Y-35H 90300	Ring Gear Unit
5	Y-33R 90220	Ball Retainer K (7/32" x 10)
6	Y-36U 98020	Axle Unit (Axle Length 192.6 mm)
7	Y-335 90200	Driver Unit
8	Y-33R 90210	Ball Retainer J (7/32" x 8)
9	Y-33R 90500	Right Hand Cone w/Dust Seal
10	Y-325 30120	Right Hand Lock Nut (9.9 mm)
11	Y-24Z 02000	Rotor Mount Cover
12	Y-314 14010	Cap Nut (3/8")
13	Y-34R 85000	Non-turn Washer 8L (Dark Green)
13	Y-33Z 20200	Non-turn Washer 2 (Yellow)
14	Y-35Z 19000	Left Hand Serrated Lock Nut (10.7 mm)
15	Y-35Z 98060	Left Hand Cone w/Dust Cap & Seal Ring
16	Y-377 10000	Seal Ring
17	Y-32T 08100	Left Hand Inner Dust Cap

ITEM NO.	SHIMANO CODE NO.	DESCRIPTION
18	Y-36U 98030	Ball Retainer (7/32" x 9)
19	Y-36U 09000	Right Hand Dust Cap A
20	Y-36U 10000	Chain Guard
21	Y-33R 52001	Right Hand Dust Cap B
22	Y-1ZN 98010	Sprocket Wheel 18T w/Guard Plate (CS-S500)
22	Y-1ZN 98020	Sprocket Wheel 20T w/Guard Plate (CS-S500)
23	Y-321 20100	Snap Ring C
24	Y-220 06010	Washer (3.2 mm)
25	Y-200 03000	Hub Nut (9 mm)
26	Y-335 98290	Push Rod (90.75 mm)
27	Y-6P1 98030	SM-BC06 Bell Crank Unit
28	Y-335 98010	Cable Adjusting Bolt & Nut
29	Y-335 74000	Bell Crank Body Fixing Bolt
30	Y-335 98030	Inner Cable Fixing Bolt Unit
31	Y-6P1 98040	Bell Crank Cover & Fixing Screw
32	Y-708 11000	TL-AF30 Left Hand Inner Dust Cap Installation Tool
33	Y-041 20800	Internal Hub Grease (Net. 100g)



NEXUS REVOSHIFT Lever (For 3-Speed) SL-3S41E / SL-3S42E

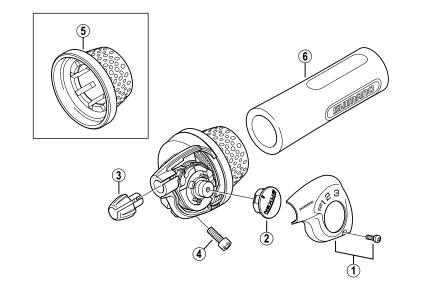


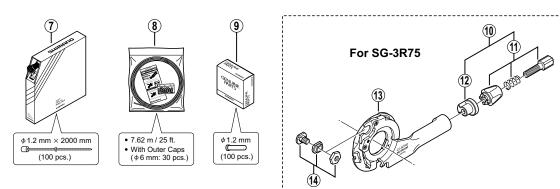


ITEM NO.	SHIMANO CODE NO.	DESCRIPTION
1	Y-6P1 98010	Cover & Fixing Screw
2	Y-6F0 04000	Cover Fixing Screw
3	Y-6F4 09000	Clamp Screw (M4 x 23.5)
	Y-65P 03110	Grip for SL-3541E
4	Y-6FD 14000	Grip for SL-3542E
5	Y-6P1 98030	SM-BC06 Bell Crank Unit
6	Y-335 98010	Cable Adjusting Bolt & Nut
7	Y-335 74000	Bell Crank Body Fixing Bolt
8	Y-335 98030	Inner Cable Fixing Bolt Unit
9	Y-6P1 98040	Bell Crank Cover & Fixing Screw



NEXUS REVOSHIFT Lever SL-3S35-E For 3-speed





ITEM NO.	SHIMANO CODE NO.	DESCRIPTION	
1	Y6E898010	Indicator Cover & Fixing Screw (M2.5 x 7)	
2	Y65P98040	Indicator	
3	Y65U04000	Outer Casing Holder	
4	Y6CK10000	Clamp Bolt (M4 x 16)	
5	Y65P03110	Shift Actuator (Black)	
6	Y61X14000	Half Grip (ø22.2 mm / Gray)	
0	Y61X14010	Half Grip (ø22.2 mm / Black)	
7	Y60098630 Inner Cable Box (Stainless / 100 pcs.)		
	Y60B98030 SIS-SP Outer Casing (Black) w/Outer Caps		
8	Y60B98020	SIS-SP Outer Casing (Silver) w/Outer Caps	
9	Y62098030	Inner End Caps (ø1.2 mm / 100 pcs.)	
10	Y6SJ98060	Cable Adjusting Bolt Unit & Outer Casing Holder	
11	Y61W98030	Cable Adjusting Bolt Unit	
12	Y6SJ03000	Outer Casing Holder	
13	Y74Y98170	CJ-NX40 Cassette Joint	
14	Y74Y98030	Inner Cable Fixing Bolt Unit	