

1401 - SYSTEM
INSTALLATION PROCEDURE

1. CHECK ALL MATERIAL RECEIVED AGAINST SHIPPING CHECK OFF LIST CONTAINED IN SYSTEM INSTALLATION PARTS PACKAGE (THIS PACKAGE CONTAINS ALL DETACHABLE CABLES ETC.)
2. REMOVE ALL SHIPPING TAPE, BRACES AND OTHER MATERIAL AS PER PACKING AND UNPACKING INSTRUCTIONS INCLUDED WITH EACH UNIT.
AT THIS TIME MAKE A THOROUGH PHYSICAL CHECK FOR DAMAGED, BROKEN OR LOOSE PARTS RESULTING FROM SHIPMENT (INCLUDING EDGE CONNECTORS). CAUTION: TURN FEED OVER MANUALLY WHEN REINSERTING BRUSH ASSEMBLY TO PREVENT BRUSH DAMAGE.
3. INSTALL THE FILE FEED MAGAZINE ON THE 1402. (REFER TO 1402 CE REFERENCE MANUAL FOR INSTRUCTIONS.)
4. CHECK THE 1402 RELAY GATE FOR LOOSE RELAYS AND DISPLACED ARMATURES.
5. MANUALLY TRIP CLUTCHES AND FEED CARDS THROUGH THE READ AND PUNCH FEEDS, CHECK FOR BINDS.
6. CHECK ALL MANUAL KNOBS, LEVERS, AND COVERS ON THE 1403 FOR PROPER OPERATION.
7. INSTALL (2) ANTI-WALK FOOT COMPONENT PARTS (2SETS) TO THE 1403 FRAME NEAR THE CASTERS BY THE FOLLOWING PROCEDURE:
INSERT THE MOUNTING STUD IN THE MACHINE FRAME FOR ITS FULL THREADED LENGTH, ASSEMBLE THE FOOT COVER AND MOUNTING FOOT TO THE STUD. BACK THE MOUNTING STUD OFF FOR THE REQUIRED DISTANCE TO STABILIZE THE MACHINE.
8. 1403-CHECK FOR OIL IN THE HYDRAULIC RESERVOIR. APPROX LEVEL TO BOTTOM OF MAGNETS.
9. 1403-CHECK FOR OIL IN THE RESERVOIR AT THE RIGHT END OF THE "T" CASTING (IBM NO.6) - 1403.
10. ALL 1401 MACHINES FROM DECEMBER 1961 (USA NO.20890) AND UP WILL BE DESIGNED FOR CABLES TO EXIT UNDERNEATH THE MACHINE. THE MACHINE WILL BE SHIPPED WITH CABLES ABOVE FRAME AND SHOULD BE INSTALLED AS DESCRIBED BELOW:
 - A) AT 01B1-01B8 - REMOVE THROW AWAY COVER AND DISCARD.
 - B) AT 01B1 - REMOVE COVER SUPPORT BRACKET (194370) AND RETAIN. OPEN GATE 01B1.
 - C) AT 01B8 - RUN ALL CABLES DOWN THROUGH THE OPENING AT 01B1-01B8. STARTING WITH CABLE NEAREST REAR OF MACHINE, PLACE A LOOP THROUGH THE OPENING SUCH THAT THE CABLE CONNECTOR GOES THROUGH LAST.
 - D) AT 01B1-01B8
INSTALL HOUSING (723351).
INSTALL FIRE BARRIER THEN INSTALL FILTER.
INSTALL COVER SUPPORT BRACKET, (194370) REMOVED IN STEP B, AT THE CENTER OF THE FRAME.
INSTALL COVER (194372).
FOR RAISED FLOOR INSTALLATION INSTALL KICK PLATE (597329).
FOR ABOVE FLOOR INSTALLATION INSTALL KICK PLATE (723359).
CLOSE GATE 01B1.
 - E) AT 02B4-02B5 -
REMOVE COVER (194372).
OPEN GATE 02B4.
CONNECT CABLES - FIRST PASSING THEM UP FROM UNDERNEATH FRAME.
INSTALL HOUSING (723352).
FOR ABOVE FLOOR INSTALLATIONS INSTALL CLAMP (723353) TO HOLD CABLES AT 02B5 SIDE OF MACHINE. THIS INCLUDES THE THREE 1403 CABLES IF THEY PASS UNDERNEATH THE LENGTH OF THE 1401.
INSTALL FIRE BARRIER THEN INSTALL FILTER.
FOR ABOVE - FLOOR INSTALLATIONS INSTALL KICK PLATE (723360).
FOR RAISED FLOOR INSTALLATIONS INSTALL KICK PLATE (597329).
INSTALL COVER (194372).
CLOSE GATE 02B4.
11. CONNECT CABLES FROM THE 1401 TO THE 1402. - (SEE NOTE I).
12. CONNECT CABLES FROM THE 1401 TO THE 1403. (SHOE WITH GOLD PLATED PINS CONNECTS TO FRONT RECEPTACLE. ON CURRENT MACHINES THESE WILL ONLY FIT ONE WAY).
 - A) IF SYSTEM HAS EXPANDED MEMORY, CONNECT POWER AND SIGNAL CABLES FROM 1401 TO THE 1406 (00B7) (WILL ONLY FIT ONE WAY AFTER 1401-20010 -SEE NOTE I).

NOTE I - 1402 CANNON CONNECTORS-THREAD ON OUTSIDE OF RING-SMALL-NEAR PIN 3
-LARGE-NEAR PIN 3
1406 CANNON CONNECTORS-THREAD ON OUTSIDE OF RING-SMALL-NEAR PIN 6
-LARGE-NEAR PIN 15

DATE EC NO
27.9.63 118575H }
10.12.63 TA 604J }

722 951

13. POWER CABLE CONNECTION:

- A) 60 CYCLE MACHINES:
CONNECT THE MAIN POWER CABLE TO THE UPPER TERMINALS ON THE INNER CIRCUIT BREAKER OF THE 1402 UNIT. THE GREEN-YELLOW (GROUND) WIRE SHOULD BE CONNECTED TO THE FRAME OF THE 1402. REFER TO 1402 WIRING DIAGRAM NO. 609400 PAGE 11-01.11.1.
- B) 50 CYCLE MACHINES:
CONNECT THE MAIN POWER CABLE TO THE UPPER TERMINALS ON THE CIRCUIT BREAKER OF THE 1402 UNIT. THE GREEN-YELLOW (GROUND) WIRE SHOULD BE CONNECTED WITH THE FRAME. THE NEUTRAL LINE SHOULD BE CONNECTED WITH THE NEUTRAL (O) POINT OF THE VOLTAGE MODE TERMINAL IN THE 1402.
ON MODEL D (WITHOUT 1402) THE MAIN POWER CABLE SHOULD BE CONNECTED TO THE UPPER TERMINALS OF THE CIRCUIT BREAKER (FOR 1401) IN 1401 (GATE 02B7, 02B8). THE NEUTRAL LINE SHOULD BE CONNECTED TO THE NEUTRAL POINT Y. THE GREEN-YELLOW LINE (GROUND) SHOULD BE CONNECTED WITH FRAME.
- C) CONNECT THE ADDITIONAL YELLOW-GREEN GROUND WIRES AS SHOWN ON THE REFERENCE DRAWINGS, 4062985A-4062988A (OR LATER SUFFIXES) ON SECT. 5/6 A TO PROVIDE CORRECT GROUND CONNECTIONS. CHECK THE GROUND WIRE CONNECTION OF THE 1402 MAIN POWER CABLE OR, IF THE MACHINE IS A MODEL D, CHECK THE SAME OF THE 1401 CONNECTION MAIN POWER CABLE AND MAKE CERTAIN, THAT THIS CONNECTION IS PARTICULAR UNOBJECTIONABLE. FOR SYSTEM WITH 1405 ATTACHMENT SEE NOTE II

14. DO NOT CONNECT TAPE UNIT CABLES AT THIS TIME.

15. CHECK CUSTOMERS POWER RECEPTACLE FOR THE PROPER TYPE OF VOLTAGE SUPPLY AND GROUND. GROUND CONNECTION SHOULD BE GREEN/YELLOW WIRE NON-CURRENT CARRYING EARTH GROUND. IF IT IS NECESSARY TO CHANGE THE SYSTEM VOLTAGE SEE STEP 1.0 OF REFERENCE MATERIAL.

16. LIFT CARRIAGE BRUSHES AND OPEN "T" CASTING ON THE 1403 BEFORE APPLYING POWER.

17. APPLY POWER. CHECK ALL BLOWERS FOR OPERATION ON THE 1401 (AND 1406) ESPECIALLY THE ONE OVER THE CORE STORAGE UNITS. ALSO CHECK THE CARRIAGE BLOWER ON THE RIGHT SIDE OF THE 1403. PLACE A CARD OVER THE LOUVERS IN THIS COVER. IF THE CARD IS DRAWN AGAINST THE COVER, THE BLOWER IS OPERATING.

18. CHECK FOR PROPER PHASE ROTATION ON THE 1403. SLIP A PIECE OF PAPER OR TAB CARD THROUGH THE PAPER FEED ROLLERS ON THE BACK OF THE MACHINE. THE PAPER OR CARD SHOULD BE FED DOWN. IF THIS IS CORRECT CLOSE THE "T" CASTING AND CHECK TO SEE THAT THE CHAIN IS TURNING COUNTER CLOCKWISE, LOOKING DOWN AT IT. FINALLY CHECK TO SEE THAT AIR IS BLOWING INTO THE HAMMER UNIT. THIS CHECK CAN BE MADE BY PLACING A CARD OVER THE LOUVERS IN THE COVER ON THE LEFT SIDE OF THE 1403. IF THE CARD IS DRAWN AGAINST THE COVER, AIR IS BEING BLOWN INTO THE MACHINE. COMPLETE THE CHECK BY FEELING THAT AIR IS BEING BLOWN OUT OF THE HAMMER UNIT AT THE SIDES OF THE UNIT. IF ALL THREE OF THE ABOVE ARE INCORRECT REVERSE ANY TWO LEADS ON THE MAIN POWER CABLE. IF ONE OR TWO ARE INCORRECT FOLLOW PROCEDURE OUTLINED IN THE 1403 REFERENCE MANUAL PAGE 6, FORM NO. 225-6493. (IF THE SYSTEM DOES NOT HAVE A PRINTER BUT HAS 729 TAPE DRIVES USE STEP 27A FOR CHECKING PHASE RELATIONSHIP).

19. IF ALL PHASING IS CORRECT IT IS NOW SAFE TO LOWER CARRIAGE BRUSHES. A CARRIAGE TAPE SHOULD BE INSTALLED.

20. CHECK 1401, 1402 (AND 1406) POWER SUPPLY VOLTAGES. THEY SHOULD BE $\pm 2\%$ WHEN MEASURED AS DESCRIBED BELOW.

- A) MEASURE -6V, +6V, -12 VOLT OUTPUT AT GATE LOCATION 01B3. ADJUST FOR PROPER OUTPUT. ALWAYS ADJUST -6V BEFORE ADJUSTING -12V SEE 1401 WIRING DIAGRAM FOR LOCATION OF SUPPLIES LOCATED ON 02A4, AND 02A5 (1401 ONLY).
- B) MEASURE -6V, +6V, AND -12V AT GATE LOCATION 02A1 ON MACHINES WITH TAPES. IF THIS FEATURE IS NOT PRESENT, MEASURE AT GATE LOCATION 02A7, 02A8 OR 02B6 DEPENDING ON WHICH MAY BE PRESENT. ADJUST FOR PROPER OUTPUT FROM THE SUPPLIES WHICH ARE LOCATED ON 02A3 AND 02A6. ALWAYS ADJUST -6V BEFORE ADJUSTING -12V. REFER TO 1401 WIRING DIAGRAM, (1401 ONLY).
- C) MEASURE -36 VOLTS ON 02B2 ON MAGNETIC TAPE SYSTEMS WITH TAU 2.

NOTE II CONVERTER 50/60 CPS TO BE GROUNDED TO CENTRAL GROUNDING TERMINAL IF LOCATED IN THE SAME ROOM. MAKE SURE, THAT THERE IS NO GROUND CONNECTION BETWEEN CONVERTER AND 1405.

DATE	EC NO
27.9.63	118575H
10.12.63	TA 604 J

722 951

D) MEASURE -60 VOLTS ON 01B8 AT THE -60 VOLT BUS BAR. ADJUST FOR THE PROPER OUTPUT FROM THE SUPPLY LOCATED IN THE 1402. IN MODEL D THIS SUPPLY IS LOCATED ON 01B4 (1401 ONLY).

E) MEASURE -20 VOLTS ON 01A1 AT F26R AND ADJUST FOR PROPER OUTPUT FROM THE SUPPLY LOCATED IN THE 1402. IN MODEL D, SUPPLY IS LOCATED ON GATE 02AB. (TURN OFF ALL POWER INCLUDING LINE POWER INPUT TO 1402. AND MOVE TAPS ON SUPPLY IF ADJUSTMENT IS NECESSARY).

NOTE - -20 VOLT POWER SUPPLIES (PART NUMBER 473 430) ON 1402 "M" SUFFIX AND LATER, ARE NOT ADJUSTABLE. (PN 4118226 - 50 CYCLE)

F) MEASURE +30 VOLTS ON 01A1 (AND 1406 CORE ARRAY GATES) AT F26N. MEASURE +12V FIXED ON 01A1 (AND 1406 CORE ARRAY GATES) AT F26Q. MEASURE +12V VARIABLE (18V DIFF) ON 01A1 (AND 1406 CORE ARRAY GATES) AT F13Q. ALWAYS ADJUST +30V BEFORE ADJUSTING +12V. IF VOLTAGE VARIATION OF THE MEMORY IS DESIRED REFER TO SERVICE AID CEM 107.

G) THE MARGINAL VOLTAGES ARE NOT MEASURED. (IF THE ABOVE STEPS ARE FOLLOWED, THESE VOLTAGES SHOULD BE WITHIN TOLERANCES).

H) ON LATER MACHINES THE MARGINAL VOLTAGE SUPPLY WILL NOT BE PERMANENTLY INSTALLED IN THE SYSTEM. A PORTABLE SUPPLY CAN BE ORDERED BY THE BRANCH OFFICE. THIS WILL PROVIDE GREATER FLEXIBILITY FOR CHECKING THE SYSTEM INCLUDING ANY PERIPHERAL EQUIPMENT. A SPACE FOR STORAGE OF THE PORTABLE SUPPLY IS AVAILABLE IN THE LEFT END OF THE 1402 DIRECTLY UNDER THE PUNCH DRIVE MOTOR. THE PORTABLE SUPPLY CAN BE PLUGGED INTO ANY 220V RECEPTACLE AND IS USED THE SAME AS THE FIXED MARGINAL SUPPLY. CAUTION: PORTABLE SUPPLIES OF US ORIGIN ARE TO BE PLUGGED INTO 115V RECEPTACLE.

21. RUN READER AND PUNCH WITH NON-PROCESS RUNOUT KEY.

22. RUN READ WITH PROCESS UNIT. (PUT IN READ OP MANUALLY).

23. RUN PUNCH WITH PROCESS UNIT.

24. RUN PRINTER WITH PROCESS UNIT WITH NO INFORMATION IN THE PRINT AREA.

24A. CARRIAGE CONTROL SINGLE SHOT ADJUSTMENTS.

MAKE THESE ADJUSTMENTS ONLY IF THE 1403 IS BEING FIELD MERGED. OTHERWISE, PROCEED TO THE NEXT STEP.

A) 4.5 MILLISECOND SINGLE SHOT ADJUSTMENT. (LOGIC 36.43.21.2).

A TAG LOCATED ON THE 1403 TRANSLATOR HANDLE SHOWS THE TIMING FOR THE 4.5 MS SINGLE SHOT. ADJUST THE 4.5 MS SINGLE SHOT FOR THIS TIMING.

B) 16 MILLISECOND SINGLE SHOT ADJUSTMENT. (LOGIC 36.31.31.2).

SUBTRACT THE ACTUAL TIMING OF THE 4.5 MS SINGLE SHOT FROM 21.4. ADJUST THE 16 MS SINGLE SHOT FOR THIS TIMING.

C) 10 MS "CARRIAGE INTERLOCK" SINGLE SHOT ADJUSTMENT. (LOGIC 36.46.21.2).

SUBTRACT 1.7 MS FROM THE FINAL ADJUSTMENT OF THE 16 MS SINGLE SHOT. ADJUST THE 10 MS SINGLE SHOT FOR THIS TIMING.

24B. IF IT IS DESIRED TO TEST THE RESET CHECK CIRCUITS PROCEED TO THE REFERENCE MATERIAL STEP 2.0.

25. RUN COMBINATION OF CODES 3, 5, 6 AND 7.

26. REMOVE POWER AND INSTALL TAPE UNIT CABLES.

A) FOR C, D AND F SYSTEMS - WHEN 729 AND 7330 TAPE UNITS ARE INTERMIXED, CABLES CANNOT BE CROSS CONNECTED. I. E. EACH END OF ANY TAPE CABLE MUST CONNECT TO THE SAME TYPE TAPE UNIT ON EITHER END. THE FIRST TAPE UNIT IN THE SYSTEM MUST ALSO BE CONNECTED TO THE PROPER CONNECTOR IN THE PROCESSING UNIT. AFTER THE INITIAL CABLE HOOKUP HAS BEEN MADE AND CHECKED OUT, THE CONNECTORS ON EACH END OF THE CABLES MUST BE IDENTIFIED WITH "729" OR "7330" LABELS PROVIDED IN THE SYSTEM MAINTENANCE PACKAGE FOR THIS PURPOSE. (NOTE - 729 AND 7330 CABLES HAVE IDENTICAL CONSTRUCT.)

DATE EC NO
27.9.63 118575H
10.12.63 TA 604 J

722951

- 27A. IF SYSTEM HAS TYPE 729 TAPE DRIVES APPLY POWER AND CHECK ROTATION OF MOTORS BY HITTING LOAD REWIND. IF THE HEAD DOES NOT COME DOWN, CHECK FOR VACUUM IN COLUMNS. IF AIR IS BLOWING OUT, THE PHASING IS REVERSED. IF AIR IS BEING SUCKED IN, PHASING IS CORRECT AND SOMETHING ELSE IS PREVENTING THE HEAD FROM COMING DOWN. IF ROTATION IS INCORRECT, TURN OFF ALL POWER TO SYSTEM (LINE POWER INCLUDED) AND REVERSE ANY TWO PHASES AT CIRCUIT BREAKER NO. 2 IN THE 1402 (REFER TO 1402 LOGICS FOR DIAGRAM-SEC 1A).
NOTE: ON MOD D SYSTEMS, CIRCUIT BREAKER IS LOCATED 02B8.
TURN POWER ON AND RECHECK ROTATION.
- 27B. IF SYSTEM HAS TYPE 7330 TAPE DRIVES,
A) CLEAN TRANSPORT AND CHAMBER.
B) CHECK 7330 POWER CONTROL SWITCHES OFF.
C) INSTALL TERMINATOR SHOE.
CAUTION: DO NOT, AT ANY TIME, TURN POWER ON WITHOUT A TERMINATOR SHOE INSTALLED ON THE 7330. DO NOT PLACE THE TERMINATOR SHOE ON THE 1401.
D) TURN ON 1401 MAIN LINE POWER.
E) TURN ON 7330 POWER CONTROL SWITCHES.
F) CHECK: READ BUS SIGNAL LEVEL, WRITE CIRCUIT FEED THROUGH, SKEW AND TRACKING AS PER 7330 C. E. REFERENCE MANUAL.
28. CHECK TAPE OPERATION FROM THE C. E. CONSOLE (02A1)
A) WRITE TAPE WITH TERMINAL AT A26 ON PIN A FOR CONTINUOUS WRITING, ON PINS B, C, AND D FOR WRITING WITH GAPS AND ON PIN J FOR 1 CHARACTER RECORDS.
B) WRITE TAPE MARK.
C) BACK SPACE AND READ 1 RECORD TO CHECK TAPE INDICATE.
D) REWIND AND READ.
29. CHECK TAPES WITH PROCESS UNIT.
A) MANUAL TAPE OP WRITE.
B) MANUAL TAPE OP READ.
30. IF SYSTEM HAS EXPANDED MEMORY, RUN THE PROGRAMS SHOWN BELOW TO INSURE THAT THE 1406 SIGNAL CABLES CONTACTS ARE MAKING:
A) FOR 8K SYSTEM, MANUALLY ENTER A "C" BIT IN LOCATION 7999 AND THEN ENTER L, 7999 7998, IN ANY MEMORY LOCATIONS. BY STARTING THE LOAD OP, THE ENTIRE MEMORY SHOULD BE LOADED WITH "C" BITS. STORAGE SCAN. MANUALLY ENTER C, A, B, 8, 4, 2, 1 INTO 7999. THEN PROCEED AS ABOVE BY LOADING C, A, B, 8, 4, 2, 1 INTO THE ENTIRE MEMORY. STORAGE SCAN.
B) FOR 12K SYSTEM, MANUALLY ENTER IN LOCATION 11,999 AND USING PROGRAM L 11,999 11,998, PROCEED AS IN STEP (A).
C) FOR 16K SYSTEM, MANUALLY ENTER IN LOCATION 15,999 AND USING PROGRAM L 15,999 15,998, PROCEED AS IN STEP (A).
31. RUN CE DIAGNOSTIC TEST AS OUTLINED IN THE DIAGNOSTIC TEST PROCEDURE BOOK.
32. IF SYSTEM HAS EXPANDED MEMORY, PERFORM A FULL STORAGE PRINT OUT.
33. IF SYSTEM HAS 1311 DISK STORAGE DRIVES - REFER TO 1311 CUSTOMER ENGINEERING REFERENCE MANUAL (NUMBER 227-5649-X) AND ITS SUPPLEMENT (NUMBER 227-5758-X) SECTION 1.2. X FOR COMPLETE INSTALLATION INSTRUCTIONS AND CHECKOUT PROCEDURES.

DATE EC NO

27.9.63 H8575H

10.12.63 TA 504 J

722951

34. 1401 METER CHECKOUT PROCEDURE

IMPORTANT NOTE:

NOT MORE THAN 50 HOURS ALLOWED TEST TIME ON ANY OF THE METERS.

A) MANUALLY ENTER THE FOLLOWING PROGRAM, STARTING IN LOCATION

444. 444-1 B=45

B) 1402 CHECKOUT:

RUN CARDS OUT OF READER AND PUNCH. DEPRESS CHECK RESET ON 1402. START PROGRAM AT LOCATION 444. CPU METER SHOULD RUN FOR 400 MILLISECONDS. PLACE BLANK CARDS IN THE READER. DEPRESS START KEY. BOTH METERS SHOULD RUN. DEPRESS STOP KEY. BOTH METERS SHOULD STOP. SWITCH TO C.E. MODE ON 1401 METER PANEL. DEPRESS START KEY. ONLY C.E. METER SHOULD RUN. DEPRESS STOP KEY. SWITCH BACK TO CUSTOMER MODE. DEPRESS START KEY. BOTH METERS SHOULD RUN. DEPRESS STOP KEY. OPEN FRONT AND SIDE COVERS ON 1402. TURN ON OVERRIDE INTERLOCK SWITCH AND TURN THE "ON LINE-OFF LINE" SWITCH TO "OFF LINE". DEPRESS START KEY. ONLY CPU METER SHOULD RUN. DEPRESS STOP KEY. TURN "ON LINE-OFF LINE" BACK TO "ON LINE". TURN OVERRIDE INTERLOCK SWITCH OFF. CLOSE COVERS. REMOVE CARDS FROM READ HOPPER AND PERFORM A NON-PROCESS RUN-OUT. DEPRESS CHECK RESET ON 1402, THEN PRESS START KEY. ONLY THE CPU METER SHOULD RUN. DEPRESS STOP KEY.

C) MANUALLY INSERT A PUNCH OP. (4) INTO LOCATION 444. REFER TO SECTION IB AND PERFORM THESE STEPS FOR THE PUNCH SIDE.

D) 1403 CHECK-OUT:

MANUALLY ENTER A PRINT OP (2) IN ADDRESS 444.

WITH NO FORMS IN THE 1403, START THE PROGRAM AT 444. DEPRESS START KEY. CPU METER SHOULD RUN FOR 400 MILLISECONDS. INSERT FORMS IN 1403 AND DEPRESS START. BOTH THE CPU METER AND THE 1403 METER SHOULD RUN. DEPRESS STOP KEY. BOTH METERS SHOULD STOP. DEPRESS START KEY. BOTH METERS SHOULD RUN. DEPRESS SPACE KEY ON 1403. 1403 METER SHOULD STOP WHILE CPU METER SHOULD CONTINUE TO RUN. RESTART PROGRAM AT 444 AND BOTH METERS SHOULD RUN. DEPRESS CARRIAGE RESTORE KEY ON 1403. 1403 METER SHOULD STOP WHILE CPU METER SHOULD CONTINUE TO RUN. DEPRESS STOP KEY. SWITCH TO C.E. MODE ON THE 1401 METER. DEPRESS START KEY. ONLY THE C.E. METER ON THE 1401 SHOULD RUN. DEPRESS STOP KEY. C.E. METER SHOULD STOP. SWITCH BACK TO CUSTOMER MODE. DEPRESS START KEY ONLY. CPU METER SHOULD RUN.

THIS PROCEDURE CHECKS TO SEE THAT THE METER RUN LINE WILL NOT DROP OUT ON OPERATIONS THAT INVOLVE LONG PROCESS TIME BEFORE AN I/O OPERATION. MANUALLY ENTER THE FOLLOWING PROGRAM STARTING IN LOCATIONS 444, 774 AND 885.

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444  N N 1 A  777888          B 4668852
      B 447L 777888B 444
774  0001
885  0001

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START PROGRAM AT ADDRESS 444 AND SCOPE THE OUTPUT OF THE 400 MILLISECONDS SINGLE SHOT. THE SINGLE SHOT SHOULD REMAIN ON.

ALTER THE TWO NUMBERS OP. AND READ OP. INST. AT LOCATION 444-446 TO F 1 2 AND REPEAT THE PROCEDURE. THE SAME RESULTS SHOULD OCCUR.

E) 1404 CHECK-OUT:

WITH T-CASTING IN PLACE ON THE FORMS SIDE, PERFORM THE STEPS LISTED IN SECTION ID. WHEN THESE CHECKS HAVE BEEN COMPLETED, SHIFT T-CASTING TO CARD FEED SIDE. MANUALLY ENTER THE FOLLOWING PROGRAM STARTING AT LOCATION 444.

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F 1 B 444  B 450

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PLACE BLANK CARDS IN THE HOPPER. START THE PROGRAM AT LOCATION 444. WHEN CARDS BEGIN ARRIVING IN THE STACKER DEPRESS STOP KEY RESTART THE PROGRAM AT LOCATION 450. BOTH THE CPU METER AND THE 1404 METER SHOULD RUN.

DATE EC NO

27.9.63 118 575 H

10.12.63 TA 604 J

722951

34. (CONTINUED)

DEPRESS STOP KEY. BOTH METERS SHOULD STOP. SWITCH TO CE MODE ON THE CPU METER PANEL. DEPRESS START KEY. ONLY THE CE METER SHOULD RUN. DEPRESS STOP KEY. SWITCH BACK TO CUSTOMER MODE. REMOVE CARDS FROM HOPPER AND PERFORM A NON-PROCESS RUN-OUT. DEPRESS CHECK RESET ON THE 1404. DEPRESS START KEY. ONLY THE CPU METER SHOULD RUN. DEPRESS STOP KEY. CPU METER SHOULD STOP.

F) TAPE DRIVE CHECK-OUT:

ENTER THE FOLLOWING PROGRAM STARTING IN LOCATION 444.

444

M % U 1 453 W B 452 (USE CE TAPE).

LOAD TAPE ON TAPE DRIVE 1 AND LEAVE DRIVE IN AN "NOT READY STATUS". START PROGRAM AT 444. ONLY CPU METER SHOULD RUN.

MAKE DRIVE 1 READY. BOTH METERS SHOULD RUN. DEPRESS RESET KEY ON TAPE DRIVE. BOTH METERS SHOULD CONTINUE TO RUN.

DEPRESS STOP KEY. BOTH METERS SHOULD STOP. SWITCH TO CE MODE ON 1401 METER. DEPRESS START KEY. ONLY CE METER SHOULD RUN. DEPRESS STOP KEY. CE METER SHOULD STOP. SWITCH BACK TO CUSTOMER MODE. REWIND TAPE DRIVE AND MAKE READY. DEPRESS START KEY. ONLY CPU METER SHOULD RUN. DEPRESS STOP KEY. RESTART PROGRAM AT 444. DEPRESS STOP KEY. UNLOAD TAPE DRIVE. DEPRESS START KEY. ONLY CPU METER SHOULD RUN.

REPEAT THIS PROCEDURE FOR EACH DRIVE ON THE SYSTEM.

G) 1311 CHECK-OUT:

WITH ALL 1311 DRIVES ON THE SYSTEM UNLOADED AND ALL METER SWITCHES ON THE DRIVES OFF, START THE PROGRAM AT LOCATION 450 (450=B 450). ONLY THE CPU METER SHOULD RUN. DEPRESS STOP KEY. TURN ON METER SWITCH ON ALL FILES ON THE SYSTEM. LOAD A DISK PACK ON A DRIVE AND MAKE THE DRIVE READY. DEPRESS SYSTEM START KEY. BOTH CPU METER AND 1311 METERS SHOULD RUN. (MASTER AND SAT. WITH PACK ON ONLY). WITH CPU STILL RUNNING, TURN ALL METER SWITCHES OFF. METERS SHOULD CONTINUE TO RUN UNTIL STOP KEY IS DEPRESSED. WITH ALL METER SWITCHES OFF, DEPRESS START KEY. ONLY CPU METER SHOULD RUN. DEPRESS STOP KEY. TURN ALL METER SWITCHES ON. SWITCH TO CE MODE ON CPU METER PANEL. DEPRESS START KEY. ONLY CE METER SHOULD RUN. DEPRESS STOP KEY. SWITCH BACK TO CUSTOMER MODE. UNLOAD DRIVE THAT HAS PACK ON IT. DEPRESS START KEY. ONLY CPU METER SHOULD RUN. DEPRESS STOP KEY.

H) 1405 CHECK-OUT:

TURN METER SWITCH ON THE 1405 TO THE OFF POSITION. START PROGRAM AT LOCATION 450 (B 450). ONLY CPU METER SHOULD RUN. DEPRESS STOP KEY. TURN METER SWITCH ON 1405 TO THE ON POSITION. DEPRESS START KEY. BOTH METERS SHOULD RUN. DEPRESS STOP KEY. BOTH METERS SHOULD STOP. SWITCH TO CE MODE ON CPU METER PANEL. DEPRESS START KEY. ONLY CE METER SHOULD RUN. DEPRESS STOP KEY. SWITCH BACK TO CUSTOMER MODE.

I) 1407 CHECK-OUT:

TURN THE METER ON-OFF SWITCH ON THE 1407 TO THE OFF POSITION. START THE BRANCH LOOP PROGRAM AT LOCATION 450. ONLY THE CPU METER SHOULD RUN. DEPRESS STOP KEY. TURN METER ON-OFF SWITCH TO THE ON POSITION. DEPRESS START KEY. BOTH METERS SHOULD RUN. DEPRESS STOP KEY. SWITCH TO CE MODE ON THE CPU METER PANEL. DEPRESS START KEY. ONLY THE CE METER SHOULD RUN. DEPRESS TOP KEY. SWITCH BACK TO CUSTOMER MODE. DEPRESS START KEY. BOTH METERS SHOULD RUN. TURN THE METER ON-OFF SWITCH TO THE OFF POSITION. BOTH METERS SHOULD CONTINUE RUNNING. DEPRESS STOP KEY, THEN START KEY. ONLY THE CPU METER SHOULD RUN. DEPRESS STOP KEY. TURN METER ON-OFF SWITCH TO OFF POSITION. PLACE MODE SWITCH IN ALTER POSITION. TRY TO ENTER INFORMATION IN STORAGE USING TYPEWRITER KEYBOARD. SHOULD BE LOCKED UP.

DATE EC NO.
27.9.63 118 575H
10.12.63 TA 604J

722951

J) ALL SERIAL I/O DEVICES:

MAKE I/O DEVICE READY. ENTER A PROGRAM TO CALL FOR THE I/O DEVICE FOLLOWED BY A BRANCH LOOP. EXAMPLE:

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444
  M % XXXXXWB452 _
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START THE PROGRAM RUNNING. BOTH CPU METER AND THE I/O METER SHOULD RUN. DEPRESS STOP KEY. BOTH METERS SHOULD STOP. SWITCH TO CE MODE ON THE CPU METER PANEL. DEPRESS START KEY ONLY. THE CE METER SHOULD RUN. DEPRESS STOP KEY. SWITCH BACK TO CUSTOMER MODE. CLEAR THE I/O DEVICE. (EXAMPLE: 1012-- DEPRESS TAPE FEED KEY). DEPRESS START KEY. ONLY CPU METER SHOULD RUN. DEPRESS STOP KEY.

REFERENCE MATERIAL
FOR 60 CYCLE SYSTEMS ONLY

1.0 TO CHANGE THE SYSTEM FROM 208V TO 230V COMPLETE THE FOLLOWING:

1401

- A) EXPANDED BULK REGULATOR (ALL MODELS EXCEPT A)
GATE 02A3 - MOVE WIRE OR WIRES ON BULK REGULATOR TB-4 TO TB-5.
- B) 1250 WATT REGULATOR. LOCATED IN THE LEFT SIDE OF THE 1402. ON MODEL D SYSTEMS LOCATED ON GATE 02A7. MOVE THE WIRE ON THE 1250 WATT REGULATOR TB-4 TO TB-5.
- C) 115V AC ISOLATION TRANSFORMER. LOCATED BEHIND THE RELAY PANEL ASSEMBLY IN THE 1402. ON MODEL D SYSTEMS LOCATED IN 02B7-8 GATE AREA. REMOVE THE WIRE ON THE TRANSFORMER SOLDER TERMINAL 6 AND SOLDER TO TERMINAL 7. ON LATER MODEL D MACHINES TERMINAL 7 IS WIRED TO TERMINAL POSITION 7 OF THE 8 POSITION BLOCK NEAR THIS TRANSFORMER. ON THESE MACHINES REMOVE THE WIRE ON TERMINAL POSITION 6 OF THIS BLOCK AND INSTALL ON TERMINAL 7.
- D) 24V AC STEP DOWN TRANSFORMER. LOCATED IN THE 1402 BEHIND THE FUSE PANEL. (DOES NOT EXIST ON SYSTEMS BELOW 20,000) ON MODEL D SYSTEMS LOCATED IN 02B7 GATE AREA. REMOVE THE WIRE ON STEP DOWN TRANSFORMER TB POSITION 2 AND INSTALL ON TB POSITION 3.
- E) -60V AT 10 AMP OR -60V AT 20 AMP SUPPLY. LOCATED IN THE BACK OF THE 1402. ON MODEL D MACHINES LOCATED IN GATE AREA 01B4. REMOVE WIRE FROM VR1-4 AND INSTALL ON VR1-5. (VR1 IS THE 12 POSITION TERMINAL BLOCK LOCATED TO THE BOTTOM OF THIS UNIT.)
- F) 3V MARGINAL CHECK SUPPLY. (EXCEPT PORTABLE SUPPLIES) LOCATED IN THE LEFT END OF THE 1402. LOCATED IN GATE 02A8 ON MODEL D. REMOVE WIRE ON MC POWER SUPPLY POSITION VR1-4 AND INSTALL ON POSITION VR1-5. (THIS WIRING CHANGE IS MADE INTERNALLY OF THE SUPPLY ASSEMBLY DIRECTLY ON THE TRANSFORMER.)

1406

- A) 415 WATT REGULATOR IN 1406 GATE 06B8. (NOT ON EARLIER SYSTEMS) REMOVE WIRE FROM TB POSITION 4 AND INSTALL ON TB POSITION 5.

1403

- A) ONLY THE CHAIN MOTOR IS AFFECTED. WIRE TB7 AS PER WIRING DIAGRAM PAGE 01.09.1.

1405

- A) CHANGE TRANSFORMER TAPS FOR 3 TRANSFORMERS AS SHOWN ON LOGIC PAGES 75.58.11 AND 75.58.21.

1407

- A) NO CHANGE REQUIRED.

DATE	EC NO
27.9.63	118 575 H}
10.12.63	TA 604 J}

722 951

- 1.1 IF IT IS NECESSARY TO CHANGE THE SYSTEM FROM 230V TO 208V REVERSE THE INSTRUCTIONS IN STEP 1.0 ABOVE.
- 1.2 IF A VOLTAGE CHANGE IS MADE ON THE SYSTEM ENTER AN MES ORDER SO THAT RECORDS WILL BE PROPERLY UPDATED.
- 1.3 PROCEED NEXT TO STEP 16.
- 2.0 RUN PRINTER WITH PROCESS UNIT WITH NO INFORMATION IN THE PRINT AREA.
- 2.1 IF THE 1401 MACHINE NO. IS 10000-20000, PROCEED NEXT TO STEP 2.3.
- 2.2 IF THE 1401 MACHINE NO. IS 20000-AND ABOVE, SKIP STEP 2.3 AND PROCEED NEXT TO STEP 2.4.
- 2.3 TEST RESET CHECK CIRCUIT AS FOLLOWS:
- A) CLEAR THE ENTIRE PRINT AREA AND EXECUTE A PRINT OPERATION WITH THE SCOPE SYNC ON C17N +U, NOT FIRST SCAN GOING PLUS ON 36.35.11.1 (01A6).
 - B) SCOPE RO3N AND BO4N ON GATE 01B5, LOGIC 36.37.51.1 SHOULD GO TO +T WHEN NOT PRINTING AND -T WHEN PRINTING. SCOPE DO3H, G AND DO4G LOGIC 36.37.41.1 AND CO4H, G AND DO4H LOGIC 36.39.91.1 THEY SHOULD BE AT +T WHEN NOT PRINTING. WHEN PRINTING, THEY WILL GO +T IN THE HALF OF A SUBSCAN JUST PRIOR TO THE TIME 1/6 OF THE HAMMERS MAY BE OPTIONED TO PRINT (SIX RESETS PER PRINT SCAN).
 - C) SCOPE PIN E OF TRIGGER IN E21 ON 01B5, LOGIC 36.37.51.1 SHOULD TURN ON (GO TO +U) 110 USEC AFTER SYNC GOES POSITIVE. SHOULD TURN OFF 220 USEC AFTER IT TURNS ON. PATTERN SHOULD REPEAT ITSELF EVERY 555 USEC WHILE PRINTING.
 - D) SCOPE PIN E OF TRIGGER IN F20 ON 01B5, LOGIC 36.37.51.1 SHOULD TURN ON (GO TO +U) 190 USEC AFTER SYNC GOES POSITIVE. SHOULD TURN OFF 220 USEC AFTER IT TURNS ON. PATTERN SHOULD REPEAT ITSELF EVERY 555 USEC WHILE PRINTING.
 - E) IF ABOVE TRIGGERS ARE OPERATING PROPERLY, PROCEED TO STEP F. IF NOT, THE HAMMER DRIVER RESETS ARE NOT WORKING PROPERLY. CHECK LOGIC ON 36.37.41.1 TO GET RESETS WORKING PROPERLY. THEN REPEAT STEPS C AND D THEN PROCEED TO F IF C AND D ARE O.K.
 - F) SCOPE PIN G OF F02 ON 01B5 (LOGIC 36.37.51.1) FOR THE FOLLOWING STEPS.
 - G) BEING VERY CAREFUL, TIE PIN E OF TRIGGER IN E21 TO "GROUND" WITH CLIP LEAD. THIS CHECKS LOGIC BLOCK 4B ON 36.37.51.1, AND PIN G OF F02 ON 01B5 SHOULD GO TO +U AND STAY THERE BECAUSE THE RESET CHECK LATCH HAS BEEN "SET" WHICH WILL HOLD ALL THE HAMMER DRIVERS RESET. AFTER REMOVING CLIP LEAD, RESET THE LATCH WITH THE I-O CHECK RESET SWITCH.
 - H) TIE E21H TO "GROUND" WITH CLIP LEAD. THIS CHECKS LOGIC BLOCK 4C AND RESULT SHOULD BE AS FOR STEP G. RESET LATCH AS FOR STEP G.
 - I) TIE F20E TO "GROUND" WITH CLIP LEAD. THIS CHECKS LOGIC BLOCK 4D AND RESULT SHOULD BE THE SAME AS FOR STEP G. RESET LATCH AS FOR STEP G.
 - J) TIE F20H TO "GROUND" WITH CLIP LEAD. THIS CHECKS LOGIC BLOCK 4E AND RESULT SHOULD BE THE SAME AS FOR STEP G. RESET LATCH AS FOR STEP G.
 - K) A WITH PRINT STORAGE - TIE E20B TO "GROUND" WITH CLIP LEAD. THIS CHECKS LOGIC BLOCK 3F AND 4F AND RESULT SHOULD BE THE SAME AS FOR STEP G. RESET LATCH AS FOR STEP G.
B WITHOUT PRINT STORAGE - TIE F15B TO "GROUND" WITH CLIP LEAD WHILE EXECUTING A PRINT OPERATION. THIS CHECKS LOGIC BLOCK 2G AND RESULT SHOULD BE THE SAME AS FOR STEP G. RESET LATCH AS FOR STEP G.
 - L) A WITH PRINT STORAGE - OPEN T-FRAME ON 1403 WHILE EXECUTING THE ABOVE PRINT OPERATION WITH THE PRINT AREA CLEAR. THIS CHECKS LOGIC BLOCKS 5J AND 6J ON LOGIC 36.31.01.1 (GATE 01A6). RESULT SHOULD BE THE SAME AS FOR STEP G. RESET THE LATCH WITH THE I-O CHECK RESET SWITCH.

DATE	EC NO
27.9.63	118575 H}
10.12.63	TA 604 J }

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- B) WITHOUT PRINT STORAGE - OPEN T-FRAME ON 1403 WHILE EXECUTING THE ABOVE PRINT OPERATION WITH THE PRINT AREA CLEAR. THIS CHECKS LOGIC BLOCKS 4J, 5J, AND 6J ON LOGIC 36.31.01.1 (GATE 01A6) AND RESULT SHOULD BE THE SAME AS FOR STEP G. RESET THE LATCH WITH THE I-O CHECK RESET SWITCH.
- M) TRY TO PRINT IN ONE POSITION ONLY. IF O.K., EXPAND THE PRINT FIELD. AFTER PRINTING IN ALL POSITIONS CHECK TO SEE THAT THE -60V HAMMER RESPONSE COMMON TUBES (2) ARE NOT BLOWN. IF FUSES HAVE BLOWN AND BLOW A SECOND TIME, CHECK FOR GROUNDS ON THE HAMMER RESPONSE LINES.
- N) PROCEED NEXT TO STEP 25.

2.4 TEST RESET CHECK CIRCUIT AS FOLLOWS:

- A) CLEAR THE ENTIRE PRINT AREA AND EXECUTE A PRINT OPERATION WITH THE SCOPE SYNC ON C11H -T NOT FIRST SCAN GOING NEGATIVE ON 36.35.11.2 (01A6).
- B) SCOPE BO3H AND BO4H ON GATE 01B5, LOGIC 36.37.51.2 SHOULD GO TO +T WHEN NOT PRINTING AND -T WHEN PRINTING. SCOPE DO3H, G AND DO4G LOGIC 36.37.41.2 AND CO4H, G AND DO4H LOGIC 36.39.91.2. THEY SHOULD BE AT +T WHEN NOT PRINTING. WHEN PRINTING, THEY WILL GO +T IN THE HALF OF A SUBSCAN JUST PRIOR TO THE TIME 1/6 OF THE HAMMERS MAY BE OPTIONED TO PRINT (SIX RESETS PER PRINT SCAN).
- C) SCOPE PIN E OF TRIGGER IN E21 ON 01B5, LOGIC 36.37.51.2 SHOULD TURN ON (GO TO +U) 110 USEC AFTER SYNC GOES NEGATIVE. SHOULD TURN OFF 220 USEC AFTER IT TURNS ON. PATTERN SHOULD REPEAT ITSELF EVERY 555 USEC WHILE PRINTING.
- D) SCOPE PIN E OF TRIGGER IN F20 ON 01B5, LOGIC 36.37.51.2 SHOULD TURN ON (GO TO +U) 190 USEC AFTER SYNC GOES NEGATIVE. SHOULD TURN OFF 220 USEC AFTER IT TURNS ON. PATTERN SHOULD REPEAT ITSELF EVERY 555 USEC WHILE PRINTING.
- E) IF ABOVE TRIGGERS ARE OPERATING PROPERLY, PROCEED TO STEP F. IF NOT THE HAMMER DRIVER RESETS ARE NOT WORKING PROPERLY, CHECK LOGIC ON 36.37.41.2 TO GET RESETS WORKING PROPERLY. THEN REPEAT STEPS C AND D. THEN PROCEED TO F IF C AND D ARE O.K.
- F) SCOPE PIN G OF F02 ON 01B5 (LOGIC 36.37.51.2) FOR THE FOLLOWING STEPS.
- G) BEING VERY CAREFUL, TIE PIN E OF TRIGGER IN E21 TO "GROUND" WITH CLIP LEAD. THIS CHECKS BLOCK 4B AND 36.37.51.2 AND PIN G OF F02 ON 01B5. SHOULD GO TO +U AND STAY THERE BECAUSE THE RESET CHECK LATCH HAS BEEN "SET" WHICH WILL HOLD ALL THE HAMMER DRIVERS RESET. AFTER REMOVING CLIP LEAD, RESET THE LATCH WITH THE I-O CHECK RESET SWITCH.
- H) TIE E21H TO "GROUND" WITH CLIP LEAD. THIS CHECKS LOGIC BLOCK 4C AND RESULT SHOULD BE AS FOR STEP G. RESET LATCH AS FOR STEP G.
- I) TIE F20E TO "GROUND" WITH CLIP LEAD. THIS CHECKS LOGIC BLOCK 4D AND RESULT SHOULD BE THE SAME AS FOR STEP G. RESET LATCH AS FOR STEP G.
- J) TIE F20H TO "GROUND" WITH CLIP LEAD. THIS CHECKS LOGIC BLOCK 4E AND RESULT SHOULD BE THE SAME AS FOR STEP G. RESET LATCH AS FOR STEP G.
- K) A WITH PRINT STORAGE - TIE E20B TO "GROUND" WITH CLIP LEAD. THIS CHECKS LOGIC BLOCKS 3F AND 4F AND RESULT SHOULD BE THE SAME AS FOR STEP G. RESET LATCH AS FOR STEP G.
 B WITHOUT PRINT STORAGE - TIE F15B TO "GROUND" WITH CLIP LEAD WHILE EXECUTING A PRINT OPERATION. THIS CHECKS LOGIC BLOCK 2G AND RESULT SHOULD BE THE SAME AS FOR STEP G. RESET LATCH AS FOR STEP G.
- L) A WITH PRINT STORAGE - OPEN T-FRAME ON 1403 WHILE EXECUTING THE ABOVE PRINT OPERATION WITH THE PRINT AREA CLEAR. THIS CHECKS BLOCK 6G (OR 6F) LOGIC 36.31.11.2 (GATE 01A6) AND RESULT SHOULD BE THE SAME AS FOR STEP G. RESET THE LATCH WITH THE I-O CHECK RESET SWITCH.
 B WITHOUT PRINT STORAGE - OPEN T-FRAME ON 1403 WHILE EXECUTING THE ABOVE PRINT OPERATION WITH THE PRINT AREA CLEAR. THIS CHECKS LOGIC BLOCK 6G ON LOGIC 36.31.11.2 (GATE 01A6) AND RESULT SHOULD BE THE SAME AS FOR STEP G. RESET THE LATCH WITH THE I-O CHECK RESET SWITCH.

DATE	EC NO
27.9.63	118 575 H)
10.12.63	TA 604 J)

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M) TRY TO PRINT IN ONE POSITION ONLY. IF O.K., EXPAND THE PRINT FIELD. AFTER PRINTING IN ALL POSITIONS CHECK TO SEE THAT THE -60V HAMMER RESPONSE COMMON FUSES (3) ARE NOT BLOWN. IF FUSES HAVE BLOWN AND BLOW A SECOND TIME, CHECK FOR GROUNDS ON THE HAMMER RESPONSE LINES.

N) PROCEED NEXT TO STEP 25.

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10.12.63 TA 604J }



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1401 ALPHABETICAL LOGIC LISTING

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TITLE	LOGIC #	GATE
10X10 MATRIX SWITCH-BK REF. DWG.	1406	42.40.21.2
1401 TIMING & VOLTAGE DIST REF DWG		42.40.53.2
1402 POWER PLUG		23.04.11.2
1403 SUMMARY CONNECTOR #1		21.04.01.2
1403 SUMMARY CONNECTOR #1		21.04.11.2
1403 SUMMARY CONNECTOR #2		21.04.01.2
1403 SUMMARY CONNECTOR #2		22.04.11.2
1406 4K DRIVER TERM RES REF. DWG.	1406	42.70.41.2
1406 BK DRIVER TERM RES. REF. DWG.	1406	42.60.41.2
1406 TIMING & VOLTAGE DIST REF. DWG.	1406	42.40.03.2
1ST AND 2ND B CYCLE TRIGGERS		34.31.13.2
2A COMPARE LATCHES		44.19.31.2
2K STORAGE BLOCK DIAGRAM REF DWG		42.41.12.2
3-6 PUNCH DECODE		36.23.21.2
3-6 PUNCH DECODE		36.23.21.2
4K STORAGE BLOCK DIAGRAM REF DWG		42.41.11.2
4K STORAGE BLOCK DIAGRAM REF. DWG.	1406	42.71.11.2
5X10 MATRIX SWITCH REF DWG		42.40.21.2
5X10 MATRIX SWITCH-4K REF. DWG.	1406	42.70.21.2
6K STORAGE BLOCK DIAGRAM REF. DWG.	1406	42.61.11.2
6X10 MATRIX SWITCH REF DWG		42.40.31.2
6X10 MATRIX SWITCH-4K REF. DWG.	1406	42.70.31.2
6X10 MATRIX SWITCH-BK REF. DWG.	1406	42.40.31.2
A AND B REGISTER CHECK LATCHES		35.30.31.2
A AUX CYCLE LATCH		44.14.11.2
A AUX STAR GATE IN AND OUT CONTROLS		44.13.01.2
A AUX STAR RESET CONTROLS		44.16.21.2
A BIT ZONE ADDER		34.33.13.2
A COMPARE LATCHES		44.19.21.2
A CYCLE ELIMINATE LATCH		44.11.11.2
A CYCLE ELIMINATION		31.06.11.2
A CYCLE LATCH		31.29.11.2
A LATCH AND 2A LATCH		44.12.11.2
A REG AND B REG WM		35.14.01.2
A REG INHIBIT CONTROL		35.18.41.2
A REG SET 1 2 4		41.50.91.2
A REG SET 02C AND ARITH WM LATCH		35.18.01.2
A REG SET B CD A B C2		41.51.01.2
A REG SET UNITS A B C2		41.51.11.2
A REG TRANSLATOR ADDER COMPARE		44.19.01.2
A REGISTER SET		35.01.00.2
A REGISTER CHECK MATRIX		35.30.11.2
A REGISTER DISPLAY DRIVE		35.30.31.2
A REGISTER COMBINED BITS 21		35.16.51.2
A REGISTER COMBINED BITS 04		35.16.71.2
A REGISTER COMBINED BITS AB		35.16.01.2
A REGISTER COMBINED BITS NOT 21		35.16.61.2
A REGISTER TRANSLATOR		34.32.12.2
A REGISTER TRUE COMPLEMENT		34.32.13.2
A STAR CONTROL HUNDREDS AND GATE OUT		32.32.21.2
A STAR CONTROL UNITS AND TENS		32.32.11.2
A STAR READ IN & STORE CYCLE 1 2 3		41.90.51.2
A88 REG SET AND RESET		35.10.31.2
ACTIVATE STORAGE DECODE	1406	42.67.01.2
ADD CTRL ARITH RDR RVRS SCAN RDR		34.31.16.2
ADDER CARRY		34.31.16.2
ADDER CARRY AND OVERFLOW		34.31.15.2
ADDER CONTROL-RECOMPLEMENT READR TR		34.31.17.2

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TITLE	LOGIC #	GATE
ADDER DOUBLER COMPARE	44.19.11.2	02A7
ADDR REG DR AND THOUSANDS C DISPLAY	32.40.31.2	01A7
ADDR REG VAL CHECK LATCH AND CTRLS	32.46.31.2	01A8
ADDRESS MODIFY GP CODE	44.02.02.2	01B1
ADDRESS MODIFY UNITS A BIT	42.02.01.2	01A8
ADDRESS MODIFY UNITS B BIT	42.02.03.2	01A8
ADDRESS MODIFY UNITS C ZONE BIT	42.02.04.2	01A8
ADDRESS STOP CONTROL SEC 1	32.45.21.2	01A8
ADDRESS STOP CONTROL SECT. 2	32.45.31.2	01A8
ADDRESS STOP INPUT SWITCHING SECT. 1	32.45.11.2	01A8
ALL SCAN COMP AND PRY OR CARR BUSY	36.01.11.2	01A6
ALL SCAN COMP-PRESCARR BUSY NUMERIC	36.01.11.2	01A6
ALL SCANS COMPLETE	36.01.11.2	01A6
ALL SCANS COMPLETE NUMERIC	36.01.11.2	01A6
ARITHMETIC INHIBIT CONTROL	55.18.51.2	01A3
ARITHMETIC MODIFY CONTROLS GEN 1404	42.65.01.2	06B8
AUTO SCAN CONTROL-1	32.31.11.2	01A7
AUTO SCAN CONTROL-2	32.31.21.2	01A7
AUX STAR SET LATCH	44.11.01.2	02B7
AUX STAR 1 CTRL UNITS TENS HDS	44.15.21.2	02A7
AUX STAR 2 CTRL UNITS TENS HDS	44.15.31.2	02A7
AUX STAR 4 CTRL UNITS TENS HDS	44.15.41.2	02A7
AUX STAR 8 CTRL UNITS TENS HDS	44.15.51.2	02A7
AUX STAR A CTRL UNITS HUNDREDS	44.15.71.2	02A7
AUX STAR B CTRL UNITS HUNDREDS	44.16.01.2	02A7
AUX STAR CD CTRL UNITS TENS HDS	44.15.61.2	02A7
AUX STAR CZ CTRL UNITS HUNDREDS	44.16.11.2	02A7
B AUX CYCLE LATCH	44.16.31.2	02B7
B AUX STAR GATE IN AND OUT CONTROLS	44.15.11.2	02A7
B AUX STAR RESET CONTROLS	44.16.51.2	02A7
B CYCLE LATCH	31.26.11.2	01B2
B GREATER OR LESS THAN A CONTROL	44.34.11.2	02A8
B GREATER OR LESS THAN A CONTROL	44.34.11.2	01B7
B REG AND A REG 1 BIT	35.11.21.2	01A3
B REG AND A REG 2 BIT	35.11.61.2	01A3
B REG AND A REG 4 BIT	35.12.21.2	01A3
B REG AND A REG 8 BIT	35.12.61.2	01A3
B REG AND A REG BIT A	35.13.21.2	01A3
B REG AND A REG BIT B	35.13.61.2	01A3
B REG BLANK AND COMBINED BITS AG	35.16.31.2	01A3
B REG DIGIT GENERATION	44.10.21.2	02B7
B REG INH COMY SECT 1 AND FORCE B 2	35.16.31.2	01A3
B REG INHIBIT COMY	35.16.11.2	01A3
B REG INHIBIT COMY SECT 2	35.16.21.2	01A3
B REGISTER ADJUST PRINT	36.33.11.2	01A6
B REGISTER ADJUST PRINT NUMERIC	36.33.11.2	01A6
B REGISTER CHECK MATRIX	35.30.21.2	01B6
B REGISTER DIST. AND IND DISPLAY	35.30.41.2	01B6
B REGISTER PLANE 9-11	35.15.31.2	01A3
B REGISTER COMBINED BITS 31	35.16.11.2	01A3
B REGISTER COMBINED BITS 04	35.16.21.2	01A3
B REGISTER TRANSLATOR	36.32.11.2	01B3
B STAR CONTROL GATE OUT	32.33.31.2	01A7
B STAR CONTROL TENS AND HUNDREDS	32.33.21.2	01A7
B STAR CONTROL UNITS	32.33.11.2	01A7
B STAR HEAD IN	41.50.61.2	02B6
TENS DECODE SWITCH	42.34.11.2	01A1
BACKSPACE	TAU	00XA

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TITLE	LOGIC #	GATE
BINARY ADDER	34.32.14.2	01B3
BIT COMPARE MATRIX	34.21.11.2	01B6
BIT TEST	41.10.11.2	01B6
BIT TEST OPR	41.10.21.2	01B1
BRANCH ON READER AND PUNCH BUSY	74.21.41.2	02B1
BUFFER CLOCK	46.37.21.2	01A9
BUFFER DISPLAY LINES	46.36.01.2	01A9
BUFFER MEMORY PULSES	46.37.31.2	01A9
BUFFER REGISTER ADJUST PRINT	36.23.11.2	01A8
BUFFER REGISTER ADJUST PRINT NUMERIC	36.33.11.2	01A8
C BIT ZONE ADDER	34.33.14.2	01B3
C & PANEL SYNC POINTS	37.31.21.2	01A2
CARR INLK LAT MAG DRIVS INDS	36.40.31.2	01B1
CARR STOP TR AND START SS	36.40.21.2	01B1
CARRIAGE OPR REGISTER	36.46.11.2	01B1
C. BIT GENERATOR	39.17.11.2	01A3
CHANNEL 9 AND 12 LATCHES	34.43.31.2	01B1
CHANNEL BRUSH REGISTER	36.43.11.2	01B1
CHANNEL BRUSH ENCODE 1 AND 2	36.42.11.2	01B1
CHANNEL BRUSH ENCODE 4 AND 8	36.42.21.2	01B1
CHAR REG TERMINATION & DISTRIBUTION	79.01.07.2	02A8
CHARACTER CONTROL LATCHES	74.31.31.2	02B1
CHECK LATCHES	36.14.11.2	01B4
CHECK PLANE ENTRY	36.17.31.2	01B7
CHECK PLANE ENTRY	36.17.31.2	01B7
CHECK RESET CONTROL	36.21.31.2	01B6
CHECKING ALTERNATE CYCLE CONTROL	36.17.11.2	01B7
CHECKING ALTERNATE CYCLE CONTROL	36.17.11.2	01B7
CHECKING INHIBIT & ERROR GATES	36.17.41.2	01B7
CHECKING INHIBIT & ERROR GATES	36.17.41.2	01B7
CHECKING ROW BIT CONTROL	36.17.21.2	01B7
CHECKING ROW BIT CONTROL	36.17.21.2	01B7
CLEAR 8 FIELD LAY AND SET PROD LAY	44.11.41.2	02B7
CLOCK CONTROL SECTION 1	31.10.11.2	01B3
CLOCK CONTROL SECTION 2	31.10.12.2	01B3
CLOCK TIMING CONTROLS	71.31.11.2	02A1
CLOCK TIMING CONTROLS	71.31.21.2	02A1
COL BIN MODIFIER CONTROL	41.11.31.2	02B6
COL BIN PCH DECODE HOLE COUNT	41.23.21.2	02B8
COL BIN PUNCH DECODE MATRIX	41.23.11.2	02B8
COL BIN READ ENCODE	41.23.31.2	02B8
COM GATE SET SIGN AND I-E CHANGE	44.13.01.2	02B7
COMP COUNTER 2 4 BIT DECODE NUMERIC	36.34.31.2	01A6
COMP CTR 4 A 8 BIT DECODE NUMERIC	36.34.01.2	01A6
COMP WD 1ST AND 2ND 4 BIT	44.70.01.2	02B6
COMP WD CYCLE CTL	44.70.31.2	02B6
COMPARE CHECK	TAU 39.30.30.1	00XC
COMPARE COUNTER	36.34.41.2	01A6
COMPARE COUNTER CONTROLS	36.34.31.2	01A6
COMPARE COUNTER CONTROLS NUMERIC	36.34.31.2	01A6
COMPARE COUNTER NUMERIC	36.34.41.2	01A6
COMPARE EQUAL LATCH AND CONTROL	34.21.21.2	01B6
COMPLEMENT AND SET A TRANS OUTPUT	44.13.11.2	02B7
COMPRESSED WORD OP CODE	44.70.11.2	01B1
COMPRESSED WORD CTL	44.70.21.2	02B6
CONTROL SIGNALS CABLE DRIVE	79.01.03.2	02A8
CONTROL SIGNALS CABLE DRIVE	79.01.02.2	02A8
CPU DATA CABLE DRIVE	79.01.01.2	02A8

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1401 ALPHABETICAL LOGIC LISTING

REFERENCE ONLY

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TITLE	LOGIC #	GATE
CTRL SIGNAL TERMINATION & DIST.	79.01.04.2	02A8
CTRL SIGNAL TERMINATION&DIST.	79.01.05.2	02A8
CURRENT DRIVERS AND CURRENT SOURCES	42.97.11.2	01A1
CURRENT DRIVERS AND CURRENT SOURCES 1406	42.97.11.2	06B1
CURRENT DRIVERS AND CURRENT SOURCES 1406	42.77.11.2	06B9
DELAY COUNTER	TAU 89.30.40.1	00XB
DELAY COUNTER	TAU 89.30.41.1	00XB
DELAY COUNTER	TAU 89.30.42.1	00XB
DELAY COUNTER	TAU 89.30.43.1	00XB
DELAY COUNTER GATING	TAU 89.30.39.1	00XB
DELAY COUNTER GATING	TAU 89.30.91.1	00XB
DELAY COUNTER GATING	TAU 89.30.92.1	00XB
DELAY COUNTER GATING	TAU 89.30.93.1	00XB
DELAY COUNTER GATING	TAU 89.30.94.1	00XB
DELAY COUNTER GATING	TAU 89.30.95.1	00XB
DELAY COUNTER RESET TRIGGER RESET	TAU 89.30.31.1	00XB
DELAY COUNTER DRIVE	TAU 89.30.20.1	00XB
DELTA A AUX CYCLE LATCH	44.14.01.2	02D7
DELTA A CYCLE	91.22.11.2	01B2
DELTA B AUX CYCLE LATCH	44.14.71.2	02D7
DELTA B CYCLE	91.23.11.2	01B2
DELTA CYCLE CONTROL	91.20.11.2	01B2
DELTA I CYCLE	91.21.11.2	01B2
DELTA OVERLAP & OVERLAP CY LATCHES	74.51.21.2	02B1
DELTA PROCESS CONTROL PRINT NUMERIC	36.31.61.2	01A6
DELTA PROCESS CONTROL PRINT	36.31.61.2	01A6
DELTA PROCESS CONTROL PRINT	36.31.61.2	01A6
DELTA PROCESS CONTROL PRINT NUMERIC	36.31.61.2	01A6
DISTRIBUTION SECTION 1	39.10.11.2	01A3
DISTRIBUTION SECTION 1	39.10.11.2	01A3
DISTRIBUTION SHEET	92.40.11.2	01A7
DISTRIBUTION SHEET	94.37.41.2	01B5
DISTRIBUTION SHEET	42.62.04.2	01A8
DISTRIBUTION SHEET	46.10.01.2	01A4
DISTRIBUTION SHEET	46.36.71.2	01A5
DISTRIBUTION SHEET 1	36.31.61.2	01A6
DISTRIBUTION SHEET 1	36.31.61.2	01A6
DISTRIBUTION SHEET 1 NUMERIC	36.31.61.2	01A6
DISTRIBUTION SHEET 1 NUMERIC	36.31.61.2	01A6
DISTRIBUTION SHEET 2	36.31.91.2	01A6
DISTRIBUTION SHEET 2	36.31.91.2	01A6
DISTRIBUTION SHEET 2 NUMERIC	36.31.91.2	01A6
DISTRIBUTION SHEET 2 NUMERIC	36.31.91.2	01A6
DUAL SPEED CARR SLOW BRUSH LATCHES	46.91.21.2	01A5
DUAL SPEED CARR. BRUSH COMPARE	46.91.31.2	01A5
DUAL SPEED CARR. SPEED CONTROL	46.91.41.2	01A5
DUAL SPEED CARR. SLOW BRUSH INTEGRA	46.91.11.2	01A5
DUAL SPEED CAR SP SK	46.91.71.2	01B1
E2 TRIGGER AND CHANNEL REGISTER CTRL	36.49.21.2	01B1
EDIT	34.10.11.2	01B6
EDIT	34.10.21.2	01B6
EDIT	34.10.31.2	01B6
EDIT	34.10.41.2	01B6
EDIT	34.10.51.2	01B6
EDIT	34.10.61.2	01B6
EDIT CSMT	34.10.31.2	01A3
ENCODER	96.19.11.2	01B4
ENCODER	96.19.21.2	01B4

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1001 ALPHABETICAL LOGIC LISTING

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TITLE	LOGIC #	GATE
END DIV LAY QUOT TR & REV SCAN LAY	64.12.01.2	0287
ERROR CHECK & OVERLAP CY DISP LATCH	74.21.21.2	0281
ERROR STOP	TAU 89.50.91.1	00XA
ERROR STOP READ GATING	TAU 89.40.12.1	00XC
ERROR TRIGGERS	TAU 89.50.50.1	00XA
EVEN PARITY OPERATIONS CHECK	39.20.11.2	0181
EXPANDED EDIT DECIMAL OPTION	34.11.11.2	0186
EXPANDED EDIT DOLLAR OPTION	34.11.31.2	0186
EXPANDED EDIT ASTERISK OPTION	34.11.21.2	0186
FEED AND MUNCH RELEASE OP CODES	36.36.11.2	0181
FEED THROUGH AND DISTRIBUTION SHEET	31.09.31.2	0182
FEED THROUGH SHEET	36.34.11.2	0183
FEED THROUGH SHEET	36.19.11.2	0184
FEED THROUGH SHEET	36.37.31.2	01A6
FEED THROUGH SHEET	36.37.31.2	01A6
FEED THROUGH SHEET	36.37.31.2	01B9
FEED THROUGH SHEET	36.44.21.2	0181
FEED THROUGH SHEET	66.36.31.2	01A5
FEED THROUGH SHEET NUMERIC	36.37.31.2	01A6
FEED THROUGH SHEET NUMERIC	36.37.31.2	01A6
FEED THRU	32.40.11.2	01A6
FEED THRU SHEET	32.40.21.2	01A7
FEED THRU SHEET	37.20.41.2	01A2
FEED THRU SHEET	70.65.11.2	02A2
FEED THRU SHEET	70.65.11.2	02A2
FIFTY ONE COLUMN SCAN CONTROL	36.40.11.2	01A8
FILE OP AND PERCENT LATCH	15.01.04.2	02A5
FINAL AMPLIFIERS	TAU 89.40.10.1	00XC
FIRST ADDRESS TRANSFER	75.01.10.2	02A8
FORWARD STOP DELAY AND COMPUTE	TAU 89.30.56.1	00XB
FULL STORAGE PREENS	1606 42.66.03.2	0604
GO TRIGGER	TAU 89.60.11.1	00KA
HAMMER CHECK PLANE CONNECTIONS 1-33	66.11.01.2	01A4
HAMMER CHECK PLANE CONNECTIONS 34-66	66.11.11.2	01A4
HAMMER CHECK PLANE CONNECTIONS 67-99	66.11.21.2	01A4
HAMMER CHECK PLANE CONNECTIONS 100-132	66.11.31.2	01A4
HAMMER DRIVE 130-132	36.39.91.2	0185
HAMMER DRIVE 100-109	36.39.61.2	0185
HAMMER DRIVE 110-119	36.39.71.2	0185
HAMMER DRIVE 120-129	36.39.81.2	0185
HAMMER DRIVE 1-9	36.38.01.2	0185
HAMMER DRIVE 10-19	36.38.11.2	0185
HAMMER DRIVE 20-29	36.38.21.2	0185
HAMMER DRIVE 30-39	36.38.31.2	0185
HAMMER DRIVE 40-49	36.39.01.2	0185
HAMMER DRIVE 50-59	36.39.11.2	0185
HAMMER DRIVE 60-69	36.39.21.2	0185
HAMMER DRIVE 70-79	36.39.31.2	0185
HAMMER DRIVE 80-89	36.39.41.2	0185
HAMMER DRIVE 90-99	36.39.51.2	0185
HAMMER RESET CHECK	36.37.51.2	0185
HAMMER RESET CONTROL	36.37.41.2	0185
HIGH-LOW-EQUAL TEST	44.34.31.2	02A8
HIGH-LOW-EQUAL TEST	44.34.31.2	0187
HI-LO DIGIT COMPARE SECT 1	44.33.11.2	02A6
HI-LO DIGIT COMPARE SECT 1	44.33.11.2	0187
HI-LO DIGIT COMPARE SECT 2	44.33.21.2	02A8
HI-LO DIGIT COMPARE SECT 2	44.33.21.2	0187

120044

1401 ALPHABETICAL LOGIC LISTING

REFERENCE ONLY

00-00-00.2

EC #

TA #

110324V

37927B

6

TITLE	LOGIC #	GATE
HI-LO DIGIT COMPARE SECT 3	44.33.31.2	02A8
HI-LO DIGIT COMPARE SECT 3	44.33.31.2	0187
HI-LO LATCH	44.34.21.2	02A8
HI-LO LATCH	44.34.21.2	0187
HI-LO ZONE COMPARE	44.32.11.2	02A8
HI-LO ZONE COMPARE	44.32.11.2	0187
HI-LO-EG INPUT DIST	44.30.11.2	02A8
HI-LO-EG INPUT DIST	44.30.11.2	0187
HONE AND RUN TRIGGERS	36.31.11.2	01A6
HONE AND RUN TRIGGERS	36.31.11.2	01A6
HONE AND RUN TRIGGERS NUMERIC	36.31.11.2	01A6
HONE AND RUN TRIGGERS NUMERIC	36.31.11.2	01A6
HONE ERROR LINE COMP CYRLS NUMERIC	36.37.11.2	01A6
HONE ERROR LINE COMP CYRLS NUMERIC	36.37.11.2	01A6
HONE ERROR & PRINT LINE COMP CYRLS	36.37.11.2	01A6
HONE ERROR & PRINT LINE COMP CYRLS	36.37.11.2	01A6
HUNDREDS & THOUSANDS DECODE SWITCHES	42.56.11.2	01A1
HUNDREDS & THOUSANDS DECODE SWITCHES 1406	42.56.11.2	04B9
HUNDREDS AND THOUSANDS DECODE SWTY. 1406	42.56.11.2	04B1
HUNDREDS DECODE SWITCHES	42.55.11.2	01A1
HUNDREDS DECODE SWITCHES 1406	42.55.11.2	04B1
HUNDREDS DECODE SWITCHES 1406	42.75.11.2	04B9
HUNDREDS ZONE CARRY CONTROLS	41.50.71.2	02B6
I CYCLE LATCH	31.24.11.2	01B2
I O OPERATIONS	31.09.21.2	01B2
I RING 4-5-6-7-8	31.31.41.2	01B6
I RING 4-5-6-7-8 DISTRIBUTION	31.31.21.2	01B2
I RING CONTROL	31.30.11.2	01B2
I RING OP-1-2-3	31.31.31.2	01B6
I RING OP-1-2-3 DISTRIBUTION	31.31.11.2	01B2
I STAR CONTROL HUNDREDS AND GATE OUT	32.34.21.2	01A7
I STAR CONTROL UNITS AND TENS	32.34.11.2	01A7
I STAR RESTORE GATE	32.39.11.2	01A7
I-E CHANGE SECTION 1	31.05.11.2	01B2
I-E CHANGE SECTION 2	31.09.21.2	01B2
I-E CHANGE SECTION 3	31.05.31.2	01B2
I-O BRANCH CONTROL	73.11.41.2	02A2
I-O DATA INPUT	73.11.21.2	02A2
I-O LOAD AND CONTROL	73.12.21.2	02A2
I-O SELECT CONTROL	73.11.11.2	02A2
I-O SELECT CONTROL	73.11.31.2	02A2
I-O SELECT CONTROL	73.11.41.2	02A2
I-O SELECT CONTROL	73.11.61.2	02A2
I-O SELECT CONTROL	73.11.71.2	02A2
I-O WRITE	73.12.11.2	02A2
INDEX 1 CONTROL	41.91.41.2	02B6
INDEX A AND B STAR GATES	41.90.41.2	01B6
INDEX ADDRESS REGISTER SET	41.90.41.2	02B6
INDEX STAR	41.91.21.2	02B6
INDEX TAG LATCHES	41.90.01.2	02B6
INDEXING OPR CODES	41.92.31.2	01B1
INDICATORS - CONSOLE	37.20.11.2	01A2
INDICATORS - CONSOLE	37.20.21.2	01A2
INDICATORS REF DWG	69.02.50.0	02A1
INDICATORS-TAPE CE CONSOLE	71.01.11.2	02A1
INDICATORS-TAPE CE CONSOLE	71.01.12.2	02A1
INH OR TERM RES & FILTER CAP REF DWG	42.40.41.2	01A1
INHIBIT 1	33.11.11.2	01A3

724454

1401 ALPHABETICAL LOGIC LISTING

REFERENCE ONLY

00000002

EC #

TA #

TITLE

LOGIC #

GATE

110324V

37927B

7

INHIBIT 2		35.11.51.2	01A3
INHIBIT 6		35.12.11.2	01A3
INHIBIT 8		35.12.51.2	01A3
INHIBIT A		35.13.11.2	01A3
INHIBIT B		35.13.51.2	01A3
INHIBIT C		35.14.11.2	01A3
INHIBIT C DIG AND C ZONE		35.15.11.2	01A3
INHIBIT CHECK LATCH		35.17.71.2	01A3
INHIBIT CHECK SECTION 1		35.17.51.2	01A3
INHIBIT CHECK SECTION 2		35.17.61.2	01A3
INHIBIT DRIVERS		42.56.11.2	01A1
INHIBIT DRIVERS	1406	42.68.11.2	0681
INHIBIT DRIVERS	1406	42.78.11.2	0685
INHIBIT DRIVERS		46.10.51.2	01A4
INHIBIT GATING AND ARITH CHECK LATCH		44.13.21.2	01B7
INHIBIT RESISTORS/FILTER C REF. DWG. 1406		42.68.21.2	0681
INHIBIT WM		55.14.91.2	01A3
INPUT OUTPUT LINES REF DWG		73.91.91.2	02A2
INPUTS FROM TAU REF DWG		89.02.35.0	02A1
INPUTS FROM TAPE DRIVE T330 REF DWG		89.02.21.0	02A1
INPUTS FROM TAPE UNIT T29 REF DWG		89.02.20.0	02A1
INQUIRY ATTACHMENT CONTROL CRTS		77.01.11.2	01B7
INQUIRY ATTACHMENT DATA CRTS		77.01.21.2	01B7
INQUIRY ATTACHMENT--DATA CRTS		77.01.21.2	02A8
INQUIRY ATTACHMENT--CONTROL CRTS		77.01.11.2	02A8
INQUIRY FEED THRU MOD=0		77.01.31.2	01B7
INQUIRY--MODE MODIFY		77.01.01.2	01A2
INTERLOCK STOP		36.02.11.2	01B6
LAST ADDRESS & READ END CONTROL		36.16.11.2	01B4
LOAD LATCH AND GATED WM		31.07.11.2	01B2
LOGIC INDEX	TAU	89.10.01.1	
LOGIC INDEX	TAU	89.10.02.1	
LOGIC INDEX	TAU	89.10.03.1	
LOGIC INDEX		31.01.10.2	01B2
LOGIC INDEX		31.10.10.2	01B3
LOGIC INDEX		32.30.10.2	01A7
LOGIC INDEX		34.04.00.2	01B6
LOGIC INDEX		35.10.10.2	01A3
LOGIC INDEX		35.20.10.2	01B1
LOGIC INDEX		36.00.00.2	01A6
LOGIC INDEX		36.01.10.2	01A6
LOGIC INDEX		36.01.10.2	01A8
LOGIC INDEX		36.01.10.2	01B4
LOGIC INDEX		36.17.10.2	01B7
LOGIC INDEX		36.30.10.2	01A6
LOGIC INDEX		36.30.10.2	01A6
LOGIC INDEX		36.37.00.2	01B3
LOGIC INDEX		37.00.00.2	01A2
LOGIC INDEX		37.17.10.2	01B7
LOGIC INDEX		41.11.10.2	02B8
LOGIC INDEX		42.55.10.2	
LOGIC INDEX	1406	42.67.10.2	0681
LOGIC INDEX	1406	42.69.00.2	0684
LOGIC INDEX	1406	42.73.10.2	0685
LOGIC INDEX		46.10.00.2	02B7
LOGIC INDEX		44.15.00.2	02A7
LOGIC INDEX		44.30.01.2	02A8
LOGIC INDEX		44.30.10.2	01B7

37527 B

724 464 / 7

TITLE

LOG #

GATE

110924V

379278

8

LOGIC INDEX		44.70.00.2	0206
LOGIC INDEX		46.10.00.2	01A4
LOGIC INDEX		46.16.10.2	01A9
LOGIC INDEX		46.31.10.2	01A9
LOGIC INDEX		70.10.10.2	02A1
LOGIC INDEX		70.10.11.2	02A2
LOGIC INDEX		70.10.11.2	02A2
LOGIC INDEX		74.10.10.2	02M1
LR BY 5 BUSY & REWIND REWIND UNLD	TAU	59.40.02.1	00XA
LR CR ERROR & LR CR RESET	TAU	59.50.42.1	00XC
LR CR REG PSMS 1 2 & AND B BITS	TAU	59.50.40.1	00XC
LR CR REG PSMS A H AND C BITS	TAU	59.50.41.1	00XC
MANUAL CARRIAGE CTRL		36.47.11.2	01B1
MANUAL CONTROLS SECTION 1		31.03.11.2	01B2
MANUAL CONTROLS SECTION 2		31.03.21.2	01B2
MANUAL CONTROLS SECTION 3		31.03.31.2	01B2
MANUAL OPERATION		71.71.41.2	02A1
MANUAL OPERATION		71.71.61.2	02A1
MANUAL OPERATION-C.E. CONSOLE		71.71.31.2	02A1
MANUAL OPERATION-OPERATORS CONSOLE		71.71.11.2	02A1
MANUAL OPERATION-OPERATORS CONSOLE		71.71.11.2	01A2
MANUAL OPERATION RESET AND LOAD TAP		71.71.21.2	02A1
MEMORY SWITCH DRIVE		46.37.91.2	01A5
MOD. CTRLS IV TRAN 51400 CHAR CTRL		32.42.41.2	01A8
MOD. CTRLS III UNITS/STERS HDR. 6 CR		32.42.31.2	01A8
MODIFIER CONTROLS II MODE 361-1		32.42.21.2	01A8
MODIFIER CTRLS I PLUS I AND MINUS I		32.42.11.2	01A8
MODIFIER EVEN DIGIT GENERATOR		32.44.21.2	01A8
MODIFIER INVALID ADDRESS		32.44.41.2	01A8
MODIFIER ODD DIGIT GENERATOR		32.44.11.2	01A8
MODIFIER SECT 2 BIT		32.43.21.2	01A8
MODIFIER SECT 4 BIT		32.43.51.2	01A8
MODIFIER SECT. 6 BIT		32.43.31.2	01A8
MODIFIER SECT. 8 BIT		32.43.41.2	01A8
MODIFIER SECT. H BIT		32.43.61.2	01A8
MODIFIER SECT. BORROW-CARRY BIT		32.43.71.2	01A8
MODIFIER SECT. C BIT		32.43.81.2	01A8
MODIFIER SECT. C DIGIT BIT		32.43.71.2	01A8
MODIFIER ZONE CK GEN		32.44.91.2	01A8
MODIFIER-SECT 1 BIT		32.43.11.2	01A8
MODIFY OPERATION CONTROLS	1406	42.65.02.2	06B4
MOVE COLUMN BINARY		41.11.41.2	02B8
MOVE RECORD		41.51.71.2	02B8
MULTIPLY AND DIVIDE OP CODES		44.10.91.2	01B1
OP REGISTER GATING-WRITE LATCH		74.11.71.2	02B1
ODD PARITY OPERATIONS CHECK		39.28.21.2	01B1
ODD-EVEN CHARACTER COUNTER	TAU	59.40.62.1	00XC
OP REG ZONE DECODE		35.22.11.2	01B1
OP REGISTER LATCH		35.21.11.2	01B1
OP REGISTER UNITS DECODE 1		35.23.11.2	01B1
OP REGISTER UNITS DECODE 2		35.23.21.2	01B1
OPERATION CODES B NOT A ZONE		35.23.11.2	01B1
OPERATION CODES A NOT B ZONE		35.24.11.2	01B1
OPERATION CODES AB ZONE		35.24.11.2	01B1
OPERATION CODES NOT AB ZONE		35.27.11.2	01B1
OPERATIONAL DECODE		70.11.21.2	02A2
OPERATIONAL DECODE		70.11.21.2	02A2
OPERATIONAL DECODE		70.11.41.2	02A2

37927 B

724 464/8

724484

1401 ALPHABETICAL LOGIC LISTING

REFERENCE ONLY

000000002

EC #

TA # 37927B

110324V

TITLE

LOGIC #

GATE

TITLE	LOGIC #	GATE
OPERATIONAL DECODE	70.11.41.2	02A2
OPERATIONAL DECODE	71.11.11.2	02A1
OPERATIONAL DECODE	71.11.21.2	02A1
OPERATIONAL DECODE	71.11.31.2	02A1
OPERATIONS CHECK LATCH	39.28.31.2	01B1
OPR REG DISPLAY DRIVE	39.29.11.2	01B1
OUTPUTS TO TAPE UNIT 729 REF DWG	89.02.29.0	01A1
OUTPUTS TO TAPE DRIVE 7330 REF DWG	89.02.30.0	02A1
OUTPUTS TO TAU REF DWG	89.02.30.0	02A1
OVERLAP BUSY AND COMPLETE CONTROLS	74.21.11.2	02B1
OVERLAP CONTROLS	71.61.21.2	02A1
OVERLAP CONTROLS	74.21.31.2	02B1
OVERLAP INTERLOCK STOP CONTROLS	74.31.61.2	02B1
OVERLAP PROCESS INTERLOCK CONTROLS 2	74.31.91.2	02B1
OVERLAP STAR-GATING	74.11.11.2	02B1
OVERLAP STAR-HUNDREDS	74.11.41.2	02B1
OVERLAP STAR-TENS	74.11.91.2	02B1
OVERLAP STAR-UNITS	74.11.21.2	02B1
OVERLAP START CONTROLS	74.31.11.2	02B1
OVERLAP-PROCESS INTERLOCK CONTROLS 1	74.31.41.2	02B1
PR CHECK LOGIC	36.17.41.2	01B7
PR CHECK PLANE REGISTER	36.10.91.2	01B7
PR ENCODE-VALIDITY	36.19.11.2	01B4
PR OP CODE GENERATION	36.15.11.2	01B7
PR PAR ERROR	36.36.91.2	01A6
PR RDY START-AFTER SP CTRL NUMERIC	36.31.71.2	01A6
PR RDY START-AFTER SP CTRL NUMERIC	36.31.71.2	01A6
PR RDY TR-SET 201 202 2 9	36.31.31.2	01A6
PR RDY TR-SET 201 202 2 3 NUMERIC	36.31.31.2	01A6
PR SCAN PR SCAN COMP AND WH PR TRIG	36.31.41.2	01A6
PR SCAN PR SCAN COMP AND WH PR TRIG	36.31.41.2	01A6
PR SCAN PR SCAN COMP TRS NUMERIC	36.31.41.2	01A6
PR SCAN PR SCAN COMP TRS NUMERIC	36.31.41.2	01A6
PR XFER AND PR XFER COMP TRS	36.31.91.2	01A6
PR XFER AND PR XFER COMP TRS NUMERIC	36.31.91.2	01A6
PRE-SENSE AND SENSE AMPLIFIERS 1406	42.69.11.2	06B1
PRE-SENSE AND SENSE AMPLIFIERS 1406	42.79.11.2	06B3
PRE-SENSE AND SENSE AMPLIFIERS-2K	42.59.11.2	01A1
PRE-SENSE AND SENSE AMPLIFIERS -6K	42.59.11.2	01A1
PRINT BUFFER RING DRIVE	46.37.71.2	01A5
PRINT BUFFER TENS RING	46.37.61.2	01A5
PRINT BUFFER TENS DRIVE	46.37.91.2	01B5
PRINT BUFFER UNITS RING U0-U4	46.37.41.2	01A5
PRINT BUFFER UNITS RING U5-U9	46.37.51.2	01A5
PRINT COMPARE	36.33.21.2	01A6
PRINT COMPARE	36.33.21.2	01A6
PRINT COMPARE NUMERIC	36.33.21.2	01A6
PRINT COMPARE NUMERIC	36.33.21.2	01A6
PRINT CONTROL CLOCK PULSES	46.37.81.2	01A5
PRINT ERROR	36.37.21.2	01A6
PRINT ERROR	36.37.21.2	01A6
PRINT ERROR NUMERIC	36.37.21.2	01A6
PRINT ERROR NUMERIC	36.37.21.2	01A6
PRINT INTERLOCK RD PCH	36.31.51.2	01A6
PRINT INTERLOCK RD PCH NUMERIC	36.31.51.2	01A6
PRINT READY START 6 AFTER SPACE CTRL	36.31.71.2	01A6
PRINT READY START 6 AFTER SPACE CTRL	36.31.71.2	01A6
PRINT READY IN AND SET 201 NUMERIC	36.31.31.2	01A6

31227

22666	1401 ALPHABETICAL LOGIC LISTING	REFERENCE ONLY	60-90-00-2	EC #	TA #
	TITLE	LOGIC #	GATE	110324V	37827B
	PRINT READY TRIGGER AND SET 231	36-31-31-2	01A6		10
	PRINT SCAN COUNTER	36-35-11-2	01A6		
	PRINT SCAN COUNTER	36-35-11-2	01A6		
	PRINT SCAN COUNTER NUMERIC	36-35-11-2	01A6		
	PRINT SCAN COUNTER NUMERIC	36-35-11-2	01A6		
	PRINT STORAGE LATCHES 1 2 4 8	46-10-21-2	01A4		
	PRINT STORAGE LATCHES A-B-C-DH	46-10-31-2	01A4		
	PRINT STORAGE SERIES AMPLIFIERS	46-10-61-2	01A4		
	PRINT STORAGE ARRAY	46-11-41-2	01A4		
	PRINT SYNC LYNCS UN-PEC-PLC-EOC	46-10-41-2	01A6		
	PROCESS CHECK AND NAR KEY CONTROL	31-09-11-2	01B2		
	PROCESS CONTROL SECTION 1	31-02-11-2	01B2		
	PROCESS CONTROL SECTION 2	31-02-21-2	01B2		
	PROCESS CONTROL SECTION 3	31-02-31-2	01B2		
	PROCESS CONTROL SECTION 4	31-02-41-2	01B2		
	PROGRAM ACTIVITY RECORDING CONTROLS	79-11-81-2	02B1		
	PROGRAM SKIP LATCH	31-08-11-2	01B2		
	PROGRAM SKIP POSITIVE TEST	36-21-31-2	01B6		
	PSS COUNTER	36-36-11-2	01A6		
	PSS COUNTER	36-36-31-2	01A6		
	PSS COUNTER 2 4 BIT DECODE NUMERIC	36-36-21-2	01A6		
	PSS COUNTER 8 A 2 BIT DECODE NUMERIC	36-36-61-2	01A6		
	PSS COUNTER ADVANCES	36-36-71-2	01A6		
	PSS COUNTER ADVANCES NUMERIC	36-36-71-2	01A6		
	PSS COUNTER ADJUST CONTROL TRIGGERS	36-36-11-2	01A6		
	PSS COUNTER CONTROL GATES	36-36-41-2	01A6		
	PSS COUNTER CONTROL GATES NUMERIC	36-36-41-2	01A6		
	PSS COUNTER CONTROL TRIGGERS NUMERIC	36-36-11-2	01A6		
	PSS COUNTER CONTROLS	36-36-21-2	01A6		
	PSS COUNTER CONTROLS NUMERIC	36-36-21-2	01A6		
	PSS COUNTER NUMERIC	36-36-11-2	01A6		
	PSS COUNTER NUMERIC	36-36-31-2	01A6		
	PSS MEMORY RING	36-31-21-2	01A6		
	PSS MEMORY RING	36-31-21-2	01A6		
	PSS MEMORY RING NUMERIC	36-31-21-2	01A6		
	PSS MEMORY RING NUMERIC	36-31-21-2	01A6		
	PSS TRIGGER	36-31-01-2	01A6		
	PSS TRIGGER	36-31-01-2	01A6		
	PSS TRIGGER NUMERIC	36-31-01-2	01A6		
	PSS TRIGGER NUMERIC	36-31-01-2	01A6		
	PULSE DISTRIBUTION	44-10-11-2	02B7		
	PULSE DISTRIBUTION AND FEED THRU	44-10-01-2	02B7		
	PUNCH CH GENERATION	36-21-11-2	01B6		
	PUNCH CHECK DECODE	36-23-41-2	01B7		
	PUNCH CHECK DECODE	36-23-41-2	01B7		
	PUNCH DECODE	36-23-11-2	01B7		
	PUNCH DECODE	36-23-11-2	01B7		
	PUNCH DECODE	36-23-31-2	01B7		
	PUNCH DECODE	36-23-31-2	01B7		
	PUNCH DRIVER RESET	36-26-11-2	01B7		
	PUNCH DRIVER RESET	36-26-11-2	01B7		
	PUNCH DRIVE TENS	36-28-21-2	01B7		
	PUNCH DRIVE TENS	36-28-21-2	01B7		
	PUNCH FEED	36-26-11-2	01B6		
	PUNCH MATRIX 0-1	36-29-11-2	01B7		
	PUNCH MATRIX 0-1	36-29-11-2	01B7		
	PUNCH MATRIX 2-3	36-29-21-2	01B7		
	PUNCH MATRIX 2-3	36-29-21-2	01B7		

724 464 / 11

37327

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1601 ALPHABETICAL LOGIC LISTING REFERENCE ONLY EC # TA # 37327

00-00-00-2 110324 GATE

ADDRESS	DESCRIPTION	DATA
0187	PUNCH MATRIX 4-5	36-29-31-2
0187	PUNCH MATRIX 4-6	36-29-31-2
0187	PUNCH MATRIX 4-7	36-29-31-2
0187	PUNCH MATRIX 4-8	36-29-31-2
0187	PUNCH MATRIX 4-9	36-29-31-2
0187	PUNCH MATRIX 5-9	36-29-31-2
0186	PUNCH SCAN GENERATION	36-22-11-2
0186	PUNCH SCAN COMPLETE	36-01-31-2
0247	QUI BINARY DOUBLER	44-19-11-2
0186	QUI-BINARY VALIDITY CHECK MATRIX	34-32-29-2
0186	QUI-BINARY VALIDITY CHECK LATCH	34-32-29-2
0247	QUI-BINARY DOUBLER CARRY TRIGGER	44-19-11-2
0247	QUI-BINARY DOUBLER ENTRY	44-19-11-2
0183	QUIB AMPL 00 02 00 00 NOT CARRY	34-32-17-2
0183	QUIBARY ADDEB OUPUT	34-32-17-2
0183	QUIBARY AMPL-00 02 00 00 CARRY	34-32-13-2
0288	RD PCM COL BIN LATCH	41-11-21-2
0288	RD PCM COL BIN TRIGGER	41-11-21-2
0288	RD-PCM COL BIN PAR CONTROL	41-11-31-2
0000	READ 4 REG WRC	89-50-10-1
0000	READ CLOCK	89-10-20-1
0000	READ CLOCK CATING	99-10-30-1
0000	READ CLOCK GATING	89-18-31-1
0000	READ CLOCK DRIVE	89-19-10-1
0000	READ COMPLETION	89-00-20-1
0000	READ DELAY CONTROL	89-30-10-1
0184	READ FLD	36-10-11-2
0242	READ GATING	70-61-21-2
0242	READ GATING	70-61-21-2
0242	READ GATING	70-61-31-2
0242	READ GATING	70-61-31-2
0242	READ GATING	70-61-41-2
0242	READ GATING	70-61-41-2
0241	READ GATING	71-61-11-2
0184	READ IMP CB LOGIC	34-10-21-2
0184	READ PUNCH RELEASE	56-70-21-2
0184	READ PUNCH INDICATION	36-18-11-2
0000	READ RECOGNITION	89-40-60-1
0000	READ RECOGNITION	89-40-60-1
0184	READ SCAN COMPLETE	36-01-31-2
0184	READ SCAN GENERATION	36-11-11-2
0000	READ WRITE WRC	89-30-20-1
0242	REFERENCE DRAWING	73-00-00-2
0000	REG A AND REG B C BIT PMS	89-40-23-1
0000	REG A AND REG B 1 AND 2 BIT PMS	89-40-29-1
0000	REG A AND REG B 4 AND 8 BIT PMS	89-40-21-1
0000	REG A AND REG B 8 AND 16 BIT PMS	89-40-22-1
0182	REVERSE SCAN	31-04-11-2
0000	ROM REGISTER BIT POSITION	89-40-90-1
0000	ROM REGISTER BIT POSITION	89-40-91-1
0000	ROM REGISTER BIT POSITION	89-40-92-1
0181	ROM BIT CORR 8 AND 16 BIT PMS	42-40-91-1
0181	ROM BIT CORR 4 AND 8 BIT PMS	42-40-92-1
0000	SELECT 6 READY	89-40-01-1
0186	SENSE SWITCHES OPTIONAL	34-22-11-2
0186	SERIAL DISTRIBUTION SECTION 1	36-41-11-2
0186	SERIAL DISTRIBUTION SECTION 11	32-41-21-2

TITLE

LOGIC #

GATE

110324V

37927B

72

SERIAL DISTRIBUTION SECTION III		32:41:31:2	01A8
SERIAL DISTRIBUTION SECTION IV		32:41:41:2	01A8
SERIAL GATE 1 AND 2 BITS		32:39:21:2	01A7
SERIAL GATE 4 AND 8 BITS		32:39:31:2	01A7
SERIALIZING GATE C0 AND HCZ		32:39:41:2	01A7
SERIALIZING GATE HA AND HB		32:39:51:2	01A7
SET STARS AND ADDER CARRY		44:13:31:2	02B7
SET UP A REG CONTROL		36:12:21:2	01B4
SET UP ADDR CONTROL		36:12:11:2	01B4
SGEN CONTROL AND R BIT ZONE ADDER		34:39:12:2	01B5
SIGN TRIGGER		44:11:31:2	02B7
SIGNAL DISTRIBUTION SHEET		36:49:11:2	01B1
SINGLE CYCLE PRINT CONTROLS NUMERIC		36:35:21:2	01A6
SINGLE CYCLE PRINT CONTROLS		36:35:21:2	01A6
SINGLE CYCLE PRINT CONTROLS		36:35:21:2	01A6
SINGLE CYCLE PRINT CONTROLS NUMERIC		36:35:21:2	01A6
SECV ERROR & A REG VRC	YAU	87:56:31:1	00XA
SOCKET RESERVATIONS	YAU	89:90:11:9	00XB
SOCKET RESERVATIONS	YAU	89:90:12:9	00XC
SOCKET RESERVATIONS	YAU	89:90:12:9	00XC
SOCKET RESERVATIONS	YAU	89:90:10:8	00XA
SOCKET RESERVATIONS	YAU	89:90:10:9	00XA
SPACE COUNTER		36:46:21:2	01B1
SPACE SKIP REGISTER		36:46:11:2	01A1
SPACE SKIP COMPARE EQUAL		36:45:11:2	01B1
SPECIAL CHARACTER COMPARE		44:31:11:2	02A6
SPECIAL CHARACTER COMPARE		44:31:11:2	01B7
STACKER SELECT		36:50:11:2	01B4
START		31:01:11:2	01B2
STOP BRUSH INTEGRATION		36:41:11:2	01B1
STOP BRUSH INTEGRATION		36:41:21:2	01B1
STOP I-O ATTACHMENT		73:11:83:2	01B6
STOP SS TRIGGER		56:48:11:2	01B1
STOR ADDRESSING HA LOCATION C14-D14		32:37:41:2	01A7
STOR ADDRESSING HA LOCATION C16-D16		32:38:11:2	01A7
STOR ADDRESSING HA LOCATION C17-D17		32:38:21:2	01A7
STOR ADDRESSING HB LOCATION C15-D15		32:37:31:2	01A7
STOR ADDRESSING HB LOCATION C18-D18		32:38:31:2	01A7
STORAGE ADDR MANUAL CONTROL & RESET		32:30:11:2	01A7
STORAGE ADDRESS U0 LOCATION C01-D 1		32:35:11:2	01A7
STORAGE ADDRESS U1 LOCATION C06-D 6		32:36:11:2	01A7
STORAGE ADDRESS U1 LOCATION C11-D11		32:37:11:2	01A7
STORAGE ADDRESS U2 LOCATION C07-D 2		32:35:21:2	01A7
STORAGE ADDRESS U2 LOCATION C07-D 7		32:36:21:2	01A7
STORAGE ADDRESS U2 LOCATION C12-D12		32:37:21:2	01A7
STORAGE ADDRESS U4 LOCATION C03-D 3		32:35:31:2	01A7
STORAGE ADDRESS U4 LOCATION C08-D 8		32:36:31:2	01A7
STORAGE ADDRESS U8 LOCATION C04-D 4		32:35:41:2	01A7
STORAGE ADDRESS U8 LOCATION C09-D 9		32:36:41:2	01A7
STORAGE ADDRESS U8 LOCATION C19-D19		43:01:01:2	01A7
STORAGE ADDRESS U8 LOCATION C21-D21		42:01:01:2	01A7
STORAGE ADDRESS UCD LOCATION C05-D 5		32:35:51:2	01A7
STORAGE ADDRESS UCD LOCATION C10-D10		32:36:51:2	01A7
STORAGE ADDRESS UCD LOCATION C20-D20		42:01:02:2	01A7
STORAGE ADDRESSING HA LOCATION C13-D13		32:37:31:2	01A7
STORAGE CLOCK PULSES Z1 Z2		31:12:94:2	01B3
STORAGE CONTROL PULSE GENERATION	1406	42:07:02:2	06B4
STORAGE CORE FRAME REF. OMC	1406	42:00:11:2	06B1

37927 B

724 464 / 12

250

72466	1601 ALPHABETICAL LOGIC LISTING	REFERENCE ONLY	60-00-20-2	EC 6	TA /
	TITLE	LOGIC #	GATE	110224V	STREETS
	STORAGE CORE FRAME REF. DWG.	1406	42.70.11.2	0685	
	STORAGE CORE FRAMES REF DWG		42.40.11.2	01A1	
	STORE CONTROLS		41.21.41.2	0286	
	STORE CYCLE DRIVERS		41.20.21.2	0286	
	STORE I STAR		41.21.21.2	0286	
	STORE INDEX CONTROL		41.21.21.2	0286	
	STORE INDEX CYCLE TRIGGERS		41.20.21.2	0286	
	STORE INDEX CYCLE TRIG GATES		41.20.11.2	0286	
	STOR. CLOCK PULSES R1 R2 R3 STORAGE A		31.12.22.2	01B3	
	SU CORE DRIVE TERM RES 4K REF DWG		42.40.41.1	01A1	
	SU CORE DRIVE TERM RES 2K REF DWG		42.40.42.2	01A1	
	SWITCH MODE		37.20.11.2	01A2	
	SWITCH MODE 11		37.20.12.2	01A2	
	SWITCH MODE-INDUSTRY MACH ONLY		37.20.11.2	01A2	
	SWITCHES AND INDICATORS CONSOLE		37.21.11.2	01A2	
	SWITCHES CONSOLE LOWER PANEL		37.10.11.2	01A2	
	SWITCHES LOWER PANEL		37.20.21.2	01A2	
	SWITCHES MANUAL ADDRESS THOUSANDS		37.20.22.2	01A2	
	SWITCHES MANUAL ADDRESS UNITS & TENS		37.20.21.2	01A2	
	T TIME 000-015 015-045		31.12.22.2	01B3	
	T TIME 045-090 090-060		31.12.12.2	01B3	
	T TIME 010-105 015-105 75-000		31.12.41.2	01B3	
	T TIME 045-060 015-030 060-075		31.12.31.2	01B3	
	T TIME 045-075 U TIME 0 60		31.12.22.2	01B3	
	T TIME 060-090 075-090 030-090		31.12.32.2	01B3	
	T TIME 060-090		31.12.11.2	01B3	
	T TIME 090-000		31.12.21.2	01B3	
	T TIME 090-105 105-000		31.12.42.2	01B3	
	T TIME 090-030 U TIME 075-105		31.12.21.2	01B3	
	TAPE AND RD OVERLAP MODE LATCHES		74.21.01.2	02B1	
	TAPE OVERLAP CONTROL INTERLOCK		74.41.11.2	02B1	
	TAPE UNIT LINES	TAU	89.60.50.1	00XA	
	TAPE UNIT LINES	TAU	89.60.51.1	00XA	
	TENS ADDRESS DECODE		34.30.41.2	01B5	
	TENS DECODE SWITCH	1404	42.40.11.2	06B1	
	TENS DECODE SWITCH	1406	42.70.11.2	06B5	
	TENS HAMMER DRIVE		36.38.31.2	01B5	
	TENS RING SWITCHES		46.10.01.2	01A4	
	TENS RING SWITCHES AND IMMUNITY TERM		46.10.21.2	01A4	
	TIE DOWN LIST REFERENCE DRAWING		42.40.10.2	01A1	
	TRANSFER PROGRAM		75.01.09.2	02A8	
	TRANSFER PROGRAM SKIP		34.21.41.2	01B6	
	TRANSFER SCAN MARK CONTROL		36.12.11.2	01B7	
	TRANSLATE AND CHECK DIGIT		34.22.10.2	01B3	
	TRUE COMPLEMENT		34.31.11.2	01B3	
	TRUE COMPLEMENT BINARY ENTRY		44.18.31.2	02A7	
	TRUE COMPLEMENT ANALYSIS		34.31.11.2	01B3	
	TRUE COMPLEMENT BINARY ENTRY		44.18.41.2	02A7	
	U TIME 000-015 060-090		31.12.01.2	01B3	
	U TIME 000-030 030-060 T TIME 000-6		31.12.21.2	01B3	
	U TIME 010-045 045-060 60-075		31.12.71.2	01B3	
	U TIME 1.5-000 090-000		31.12.62.2	01B3	
	U0-U9 HAMMER DRIVE		36.38.01.2	01B5	
	U5-U9 HAMMER DRIVE		36.38.11.2	01B5	
	UNIT PLUGGING CHART	TAU	89.90.11.1	00XA	
	UNIT PLUGGING CHART	TAU	89.90.12.1	00XC	
	UNIT PLUGGING CHART	TAU	89.90.31.1	00XA	
	UNIT PLUGGING CHART		31.01.20.2	01B2	

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STREETS
73

724 464 / 73

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1401 ALPHABETICAL LOGIC LISTING

REFERENCE ONLY

DD-CG-0002

EC #

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TITLE

LOGIC #

DATE

110324V

37927B

74

UNIT PLOTTING CHART		31.10.20.2	0103
UNIT PLOTTING CHART		31.31.30.2	0106
UNIT PLOTTING CHART		32.10.20.2	0107
UNIT PLOTTING CHART		32.36.02.2	0108
UNIT PLOTTING CHART		33.10.20.2	0109
UNIT PLOTTING CHART		35.20.20.2	0101
UNIT PLOTTING CHART		36.01.10.2	0106
UNIT PLOTTING CHART		36.01.20.2	0104
UNIT PLOTTING CHART		36.17.20.2	0107
UNIT PLOTTING CHART		36.17.20.2	0107
UNIT PLOTTING CHART		36.30.20.2	0106
UNIT PLOTTING CHART		36.30.20.2	0106
UNIT PLOTTING CHART		36.30.30.2	0106
UNIT PLOTTING CHART		36.37.10.2	0105
UNIT PLOTTING CHART		37.10.10.2	0102
UNIT PLOTTING CHART		41.10.10.2	0200
UNIT PLOTTING CHART		41.50.00.2	0206
UNIT PLOTTING CHART		42.53.20.2	0101
UNIT PLOTTING CHART	1406	42.63.00.2	0601
UNIT PLOTTING CHART	1406	42.64.00.2	0604
UNIT PLOTTING CHART	1406	42.73.10.2	0605
UNIT PLOTTING CHART		44.19.10.2	0201
UNIT PLOTTING CHART		44.30.01.2	0107
UNIT PLOTTING CHART		44.30.02.2	0208
UNIT PLOTTING CHART		44.44.10.2	0207
UNIT PLOTTING CHART	ERM	46.10.10.2	0104
UNIT PLOTTING CHART		46.36.20.2	0105
UNIT PLOTTING CHART		46.51.00.2	0105
UNIT PLOTTING CHART		50.10.11.2	0207
UNIT PLOTTING CHART		71.10.11.2	0201
UNIT PLOTTING CHART		73.11.02.2	0203
UNIT PLOTTING CHART		74.11.10.2	0201
UNITS ADDRESS DECODE		10.08.51.2	0105
UNITS DECODE SWITCH		42.53.11.2	0101
UNITS DECODE SWITCH	1406	42.63.11.2	0601
UNITS DECODE SWITCH	1406	42.73.11.2	0605
UNITS HAMMER DRIVE DISTRIBUTION		36.38.21.2	0105
UNITS RING SWITCHES		46.10.71.2	0104
UNITS ZONE SERIALIZING GATE		42.61.04.2	0107
UNITS 90-105 30-90 75-90 30-000 60 S		31.12.01.2	0103
VACUITY CHECK		36.13.31.2	0106
VOLTAGE DISTRIBUTION		71.71.51.2	0201
WRITE CLOCK	TAU	89.20.20.1	00XB
WRITE CLOCK AND DELAY COUNT DRIVE	TAU	89.20.10.1	00XB
WRITE CLOCK GATING	TAU	89.20.30.1	00XB
WRITE CONDITION	TAU	89.60.30.1	00XA
WRITE DELAY CONTROL	TAU	89.30.11.1	00XB
WRITE GISE TAPE MARK ERASE	TAU	89.60.31.1	00XA
WRITE GATING		70.51.21.2	0202
WRITE GATING		70.51.21.2	0202
WRITE GATING		70.51.31.2	0202
WRITE GATING		70.51.31.2	0202
WRITE GATING INPUT TO TAU		71.51.21.2	0201
WRITE GATING-3 BY VE A REG.		74.11.61.2	0201
X POSITION LAT AND MULTIPLIER LAT		44.11.21.2	0207
ZONE BIT GENERATOR		34.33.11.2	0103

724 464 / 14
37927 B

PROJECT NO.	NAME	DRAW	PART NO.	E.C. NO.	LOGIC NO.	PA. NO.
IN01	LOGIC INDEX	IN01 05	724689	116749	42.53.10.2	1775 110432F
FR 01	LOGIC NO.	LOGIC NAME	PART NO.	E.C. NO.		PA. NO.
01 01	42.40.11.2	STORAGE CORE FRAMES REF DWG	722594	110432F		37683A
01 01	42.40.21.2	5X10 MATRIX SWITCH REF DWG	722655	112912		1129
01 01	42.40.31.2	8X10 MATRIX SWITCH REF DWG	722656	112912		1129
01 01	42.40.41.1	SW CORE DRIVE TERM RES 4K REF DWG	481375	112912		1129
01 01	42.40.42.2	SW CORE DRIVE TERM RES 2K REF DWG	722657	112912		1129
01 01	42.40.43.2	INH DR TERM RESISTOR REF DWG	722596	112912		1129
01 01	42.40.51.1	ROW BIT CORE + RD BRSH CONN REF DWG	481376	112912		1129
01 01	42.40.52.1	ROW BIT CORES + PR MAG CONN REF DWG	481377	112912		1129
01 01	42.40.53.2	IN01 TIMING + VOLTAGE DIST REF DWG	722595	112912		1129
01 01	42.40.54.1	ROW BIT CORES + 1404 RD BRSH CONN	724526	116360		1667
01 01	42.41.11.2	4K STORAGE BLOCK DIAGRAM REF DWG	722805	110432F		37683A
01 01	42.41.12.2	2K STORAGE BLOCK DIAGRAM REF DWG	722659	110432F		37683A
01 01	42.53.11.2	UNITS DECODE SWITCH	723780	116749		1775
01 01	42.53.20.2	UNIT PLUGGING CHART	724692	112912		1129
01 01	42.54.11.2	TENS DECODE SWITCH	723781	116749		1775
01 01	42.55.11.2	HUNDREDS DECODE SWITCHES	723782	116749		1775
01 01	42.56.11.2	HUNDREDS + THOUSANDS DECODE SWITCHES	723783	116749		1775
01 01	42.57.11.2	CURRENT DRIVERS AND CURRENT SOURCES	723784	116749		1775
01 01	42.58.11.2	INHIBIT DRIVERS	723785	116749		1775
01 01	42.59.11.2	PRE-SENSE AND SENSE AMPLIFIERS -4K-	723786	116749		1775
01 01	42.59.11.2	PRE-SENSE AND SENSE AMPLIFIERS-2K-	723788	116749		1775

724689
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PROJECT NO.	DATE	NAME	PART NO.	E C NO.	LOGIC NO.	TA NO.
01 A2	21.04.01.2	1403 OR 1404 SUMMARY CONN01 REF DWG	728702	1185758	37.04.02.2	604A
01 A2	21.04.11.2	1403 OR 1404 SUMMARY CONN01 REF DWG	728702	1185758		12.11.63
01 A2	22.04.01.2	1403 OR 1404 SUMMARY CONN02 REF DWG	728702	1185758		604A
01 A2	22.04.11.2	1403 OR 1404 SUMMARY CONN02 REF DWG	728702	1185758		604A
01 A2	23.04.11.2	1403 POWER PLUG BREF DWG	728702	1185758		604A
01 A2	24.04.11.2	1404 READ COMPARE CONN 3 REF DWG	728702	1185758		604A
01 A2	37.10.10.2	UNIT PLUGGING CHART	728701	118133		1370A
01 A2	37.10.11.2	SWITCHES CONSOLE LOWER PANEL	728703	118177A		1815A
01 A2	37.20.11.2	INDICATORS - CONSOLE	728704	118177A		1815A
01 A2	37.20.21.2	INDICATORS - CONSOLE	728705	118177A		1815A
01 A2	37.30.11.2	SWITCH MODE-ENQUIRY MACH ONLY	728706	118177A		1815A
01 A2	37.30.11.2	SWITCH MODE	728707	118177A		1815A
01 A2	37.30.12.2	SWITCH MODE IF	728708	118177A		1815A
01 A2	37.30.21.2	SWITCHES MANUAL ADDRESS UNITS & TENS	728709	118177A		1815A
01 A2	37.30.22.2	SWITCHES MANUAL ADDRESS THOUSANDS	728710	118177A		1815A
01 A2	37.30.31.2	SWITCHES LOWER PANEL	728711	118177A		1815A
01 A2	37.30.41.2	FEED THRU SHEET	728712	118177A		1815A
01 A2	37.31.11.2	SWITCHES AND INDICATORS CONSOLE	728713	118177A		1815A
01 A2	37.31.21.2	C E PANEL SYNC POINTS	728714	118177A		1815A
01 A2	37.41.11.2	REMOTE RECYCLE CONTROL REF DWG	728827	118166		1370F
01 A2	37.41.12.2	REMOTE RECYCLE CONTROL REF DWG	728828	118166		1684
01 A2	37.41.15.2	REMOTE RECYCLE CONTROL REF DWG	728829	118166		1370F
01 A2	77.01.11.2	MANUAL OPERATION-OPERATORS CONSOLE	728715	118177A		1815A
01 A2	77.01.01.2	ENQUIRY-MODE MODIFY	728716	118177A		1815A

728700
604A
11/17

01-14-64

PROJECT #	NAME	MACH	PART #	EC #	LOGIC #	YA #
1401	LOGIC INDEX	1401 SBA	794224		35.90.00.2	1988G
FR CH	LOGIC #	LOGIC NAME	PART #	EC #	YA #	
01 A3	35.10.10.2	UNIT PLUGGING CHART	794225			1815E
01 A3	35.10.11.2	DISTRIBUTION SECTION 1	728721	114177		1771A
01 A3	35.10.31.2	EDIT CONV	789973			1988G
01 A3	35.10.51.2	A AND B REG SET AND RESET	789974			1917C
01 A3	35.11.11.2	INHIBIT 1	794175			1771B
01 A3	35.11.21.2	B REG AND A REG 1 BIT	789976			1607B
01 A3	35.11.51.2	INHIBIT 2	794177			1771B
01 A3	35.11.61.2	B REG AND A REG 2 BIT	789978			1607B
01 A3	35.12.11.2	INHIBIT 4	728728	114177		1771A
01 A3	35.12.21.2	B REG AND A REG 4 BIT	789979			1607B
01 A3	35.12.51.2	INHIBIT 8	794180			1771B
01 A3	35.12.61.2	B REG AND A REG 8 BIT	728731	114177		1771A
01 A3	35.13.11.2	INHIBIT A	789981			1607B
01 A3	35.13.21.2	B REG AND A REG BIT A	728733	114177		1771A
01 A3	35.13.51.2	INHIBIT B	789982			1607B
01 A3	35.13.61.2	B REG AND A REG BIT B	789983			1607B
01 A3	35.14.11.2	INHIBIT C	728736	114177		1771A
01 A3	35.14.51.2	INHIBIT WH	728737	114177		1771A
01 A3	35.14.61.2	A REG AND B REG WH	789984			1607B
01 A3	35.15.11.2	INHIBIT C DIG AND C ZONE	789985			1607B
01 A3	35.15.51.2	B REGISTER PLANE 9-14	728740	114177		1771A
01 A3	35.16.11.2	B REGISTER COMBINED BITS 21	728741	114177		1771A
02 A3	35.16.21.2	B REGISTER COMBINED BITS 04	728742	114177		1771A
02 A3	35.16.31.2	B REG BLANK AND COMBINED BITS 28	728743	114177		1771A
01 A3	35.16.51.2	A REGISTER COMBINED BITS 21	789986			1607B
01 A3	35.16.61.2	A REGISTER COMBINED BITS NOT 21	789987			1607B
01 A3	35.16.71.2	A REGISTER COMBINED BITS 04	789988			1607B
01 A3	35.16.81.2	A REGISTER COMBINED BITS AB	728747	114177		1771A
01 A3	35.17.11.2	C BIT GENERATOR	728748	114177		1771A
01 A3	35.17.51.2	INHIBIT CHECK SECTION 1	728749	114177		1771A
01 A3	35.17.61.2	INHIBIT CHECK SECTION 2	728750	114177		1771A
01 A3	35.17.71.2	INHIBIT CHECK LATCH	728751	114177		1771A
01 A3	35.18.11.2	B REG INHIBIT CONT	789990			1917C
01 A3	35.18.21.2	B REG INHIBIT CONT SECT 2	728753	114177		1771A
01 A3	35.18.31.2	B REG INHIBIT CONT SECT 3 AND FORCE 02	789992			1607B
01 A3	35.18.41.2	A REG INHIBIT CONTROL	789993			1988G
01 A3	35.18.51.2	ARITHMETIC INHIBIT CONTROL	789994			1607B
01 A3	35.18.61.2	A REG SET 02C AND ARITH WH LATCH	789995			1607B

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NAME	MACH	PART NO.	EC NO.	LOGIC NO.	TA NO.
LOGIC NAME	1401	4 108 912		74.80.00.2	705

FR OM	LOGIC NO.	LOGIC NAME	PART NO.	EC NO.	TA NO.
01 A4	74.80.10.2	UNIT PLUGGING CIRCUIT	4 108 912		705
01 A1	74.80.20.2	SEL. TAPE MASTER CONTROLS	4 108 914		705
01 A4	74.80.21.2	SP SK STL DRIVE	4 108 915		705
01 A4	74.80.80.2	STL LATCHES 1-4	4 108 916		705
01 A4	74.80.81.2	STL LATCHES 5-8	4 108 917		705

6/11/54

PROJECT NO.	NAME	PAGE	PART NO.	E E NO.	LOGIC NO.	TA NO.
1001	LOGIC INDEX	1001 OF	805571	116730 ✓	50.30.30.2	1747
PR EW	LOGIC NO.	LOGIC NAME	PART NO.	E E NO.	TA NO.	
01 AS	50.30.20.2	UNIT PLUGGING CHART	805572	116730 ✓	1747	
01 AS	50.30.21.2	SOCKET RESERVATIONS	729729	116730 ✓	1747	
01 AS	50.30.51.2	FEED THROUGH SHEET	805573	116730 ✓	1747	
01 AS	50.30.71.2	DISTRIBUTION SHEET	805574	116730 ✓	1747	
01 AS	50.30.81.2	BUFFER DISPLAY LINES	805575	116730 ✓	1747	
01 AS	50.30.91.2	PR PAR ERROR	805576	116730 ✓	1747	
01 AS	50.37.21.2	BUFFER CLOCK	805577	116730 ✓	1747	
01 AS	50.37.31.2	BUFFER MEMORY PULSES	805578	116730 ✓	1747	
01 AS	50.37.41.2	PRINT BUFFER UNITS RING 00-00	805579	116730 ✓	1747	
01 AS	50.37.51.2	PRINT BUFFER UNITS RING 00-00	805580	116730 ✓	1747	
01 AS	50.37.61.2	PRINT BUFFER TENS RING	805581	116730 ✓	1747	
01 AS	50.37.71.2	PRINT BUFFER RING DRIVE	805582	116730 ✓	1747	
01 AS	50.37.81.2	PRINT CONTROL CLOCK PULSES	805583	116730 ✓	1747	
01 AS	50.37.91.2	MEMORY SWITCH DRIVE	805584	116730 ✓	1747	
01 AS	50.51.11.2	DUAL SPEED CARR. SLOW BRUSH INTEGRA	805585	116730 ✓	1747	
01 AS	50.51.21.2	DUAL SPEED CARR. SLOW BRUSH LATCHES	805586	116730 ✓	1747	
01 AS	50.51.31.2	DUAL SPEED CARR. BRUSH COMPARE	805587	116730 ✓	1747	
01 AS	50.51.41.2	DUAL SPEED CARR. SPEED CONTROL	805588	116730 ✓	1747	

805571 747

PROJECT NO.	NAME	MACH	PART NO.	E C NO.	LOGIC NO.	TA NO.
6267	LOGIC INDEX	1401	728766	1185758	36-01.10.2	804A 12.11.68
FR CH	LOGIC NO.	LOGIC	NAME	PART NO.	E C NO.	TA NO.
01 A6	36.30.20.2		UNIT PLUGGING CHART	728767	1185758	804A
01 A6	36.01.11.2		ALL SCAN COMP-PR + CARR BUSY NUMERIC	728768	1185758	1965A
01 A6	36.31.01.2		PSS TRIGGER NUMERIC	728769	1141778	1795
01 A6	36.31.11.2		HONE AND RUN TRIGGERS NUMERIC	728770	1185758	804A
01 A6	36.31.21.2		PSS MEMORY RING NUMERIC	728771	1141778	1795
01 A6	36.31.31.2		PRINT READY TR AND SET 201 NUMERIC	728772	114197	1965A
01 A6	36.31.41.2		PR SCAN PR SCAN COMP TRS NUMERIC	728773	1185758	604A
01 A6	36.31.51.2		PR XFER AND PR XFER COMP TRS NUMERIC	728774	1185758	604A
01 A6	36.31.61.2		DELTA PROCESS CONTROL PRINT NUMERIC	728775	1141778	1795
01 A6	36.31.71.2		PR RDY START-AFTER SP CTRL NUMERIC	728776	1141778	1795
01 A6	36.31.81.2		DISTRIBUTION SHEET 1 NUMERIC	728777	1141778	1795
01 A6	36.31.91.2		DISTRIBUTION SHEET 2 NUMERIC	728778	1141778	1795
01 16	36.33.11.2		BUFFER REGISTER ADJUST PRINT NUMERIC	728779	1141778	1795
01 16	36.33.21.2		PRINT COMPARE NUMERIC	728780	1141778	1795
01 16	36.34.11.2		PSS COUNTER CONTROL TRIGGERS NUMERIC	728781	1141778	1795
01 A6	36.34.21.2		PSS COUNTER ADVANCES NUMERIC	728782	1141778	1795
01 A6	36.34.31.2		PSS COUNTER NUMERIC	728783	1141778	1795
01 A6	36.34.41.2		PSS COUNTER CONTROL GATES NUMERIC	728784	1141778	1795
01 A6	36.34.51.2		PSS COUNTER 2 4 BIT DECODE NUMERIC	728785	1141778	1795
01 A6	36.34.61.2		PSS COUNTER 8 A B BIT DECODE NUMERIC	728786	1141778	1795
01 A6	36.35.11.2		PRINT SCAN COUNTER NUMERIC	728787	1141778	1795
01 A6	36.35.21.2		SINGLE CYCLE PRINT CONTROLS NUMERIC	728788	1141778	1795
01 A6	36.37.11.2		HONE ERR+PR LINE COMP ¹ CTRLS NUMERIC	728789	114197	1965A
01 A6	36.37.21.2		PRINT ERROR NUMERIC	728790	1141778	1795
01 A6	36.37.31.2		FEED THROUGH SHEET NUMERIC	728791	1141778	1795

728766

PROJECT NO.	NAME	WACH	PART NO.	E C NO.	LOGIC NO.	TA NO.
1559	LOGIC INDEX	1501	724599	116749F	32.30.10.2	1775
PR CH	LOGIC NO.	LOGIC NAME	PART NO.	E C NO.		TA NO.
01 AF	32.30.11.2	STORAGE ADDR MANUAL CONTROL + RESET	724570	116749F		1775
01 AF	32.30.20.2	UNIT PLUGGING CHART	724568	116749F		1775
01 AF	32.30.21.2	SOCKET RESERVATIONS	724574	116749F		1775
01 AF	32.31.11.2	AUTO SCAN CONTROL-1	724571	116749F		1775
01 AF	32.31.21.2	AUTO SCAN CONTROL-2	724572	116749F		1775
01 AF	32.32.11.2	A STAR CONTROL UNITS AND TENS	724573	116749F		1775
01 AF	32.32.21.2	A STAR CONTROL HUNDREDS AND GATE OUT	724574	116749F		1775
01 AF	32.33.11.2	B STAR CONTROL UNITS	724575	116749F		1775
01 AF	32.33.21.2	B STAR CONTROL TENS AND HUNDREDS	724576	116749F		1775
01 AF	32.33.31.2	B STAR CONTROL GATE OUT	724577	116749F		1775
01 AF	32.34.11.2	I STAR CONTROL UNITS AND TENS	724578	116749F		1775
01 AF	32.34.21.2	I STAR CONTROL HUNDREDS AND GATE OUT	724579	116749F		1775
01 AF	32.35.11.2	STORAGE ADDRESS U1 LOCATION C01-D01	724580	116749F		1775
01 AF	32.35.21.2	STORAGE ADDRESS U2 LOCATION C02-D02	724581	116749F		1775
01 AF	32.35.31.2	STORAGE ADDRESS U4 LOCATION C03-D03	724582	116749F		1775
01 AF	32.35.41.2	STORAGE ADDRESS U6 LOCATION C04-D04	724583	116749F		1775
01 AF	32.35.51.2	STORAGE ADDRESS UCD LOCATION C05-D05	724584	116749F		1775
01 AF	32.36.11.2	STORAGE ADDRESS T1 LOCATION C06-D06	724585	116749F		1775
01 AF	32.36.21.2	STORAGE ADDRESS T2 LOCATION C07-D07	724586	116749F		1775
01 AF	32.36.31.2	STORAGE ADDRESS T4 LOCATION C08-D08	724587	116749F		1775
01 AF	32.36.41.2	STORAGE ADDRESS T8 LOCATION C09-D09	724588	116749F		1775
01 AF	32.36.51.2	STORAGE ADDRESS TCD LOCATION C10-D10	724589	116749F		1775
01 AF	32.37.11.2	STORAGE ADDRESS H1 LOCATION C11-D11	724590	116749F		1775
01 AF	32.37.21.2	STORAGE ADDRESS H2 LOCATION C12-D12	724591	116749F		1775
01 AF	32.37.31.2	STORAGE ADDRESSING M1 LOCATION C13-D13	724592	116749F		1775
01 AF	32.37.41.2	STOR ADDRESSING M2 LOCATION C14-D14	724593	116749F		1775
01 AF	32.37.51.2	STOR ADDRESSING MCD LOCATION C15-D15	724594	116749F		1775
01 AF	32.38.11.2	STOR ADDRESSING M4 LOCATION C16-D16	724595	116749F		1775
01 AF	32.38.21.2	STOR ADDRESSING M8 LOCATION C17-D17	724596	116749F		1775
01 AF	32.38.31.2	STOR ADDRESSING MCD LOCATION C18-D18	724597	116749F		1775
01 AF	32.39.11.2	I STAR RESTORE GATE	724598	116749F		1775
01 AF	32.39.21.2	SERIAL GATE 1 AND 2 BITS	724599	116749F		1775
01 AF	32.39.31.2	SERIAL GATE 4 AND 8 BITS	724600	116749F		1775
01 AF	32.39.41.2	SERIALIZING GATE C0 AND MCD	724601	116749F		1775
01 AF	32.39.51.2	SERIALIZING GATE M4 AND M8	724602	116749F		1775
01 AF	32.40.11.2	DISTRIBUTION SHEET	724603	116749F		1775
01 AF	32.40.21.2	FEED THRU SHEET	724604	116749F		1775
01 AF	32.40.31.2	ADDR REG DA AND THOUSANDS C DISPLAY	724605	116749F		1775
01 AF	32.61.01.2	STORAGE ADDRESS UA LOCATION C19-D19	724606	116749F		1775
01 AF	32.61.02.2	STORAGE ADDRESS UCD LOCATION C20-D20	724607	116749F		1775
01 AF	32.61.03.2	STORAGE ADDRESS UB LOCATION C21-D21	724608	116749F		1775
01 AF	32.61.04.2	UNITS ZONE SERIALIZING GATE	724609	116749F		1775
01 AF	70.66.03.2	CP COMPARE ADDRESS SET UP	723770	116749F		1775

1775-5

PROJECT NO.	NAME	MACH	PART NO.	E C NO.	LOGIC NO.	TA NO.
6267	LOGIC INDEX	1401	728936	114177C	56.01.10.2	1795
						25.3.83
FR CH	LOGIC NO.	LOGIC	NAME	PART NO.	E C NO.	TA NO.
01 AB	32.36.02.2	UNIT PLUGGING CHART		728937	114177C	1795
01 AB	32.41.11.2	SERIAL DISTRIBUTION SECTION I		728938	114177C	1795
01 AB	32.41.21.2	SERIAL DISTRIBUTION SECTION II		728939	114177C	1795
01 AB	32.41.31.2	SERIAL DISTRIBUTION SECTION III		728940	114177C	1795
01 AB	32.41.41.2	SERIAL DISTRIBUTION SECTION IV		728941	114177C	1795
01 AB	32.42.11.2	MODIFIER CTRLS I PLUS I AND MINUS I		728942	114177C	1795
01 AB	32.42.21.2	MODIFIER CONTROLS II MOD+3+1-1		728943	114177C	1795
01 AB	32.42.31.2	MOD. CTRLS III UNITS+TENS BOR. + CR		728944	114177C	1795
01 AB	32.42.41.2	MOD. CTRLS IV TRAN +140 CHAR CTRL		728945	114177C	1795
01 AB	32.43.11.2	MODIFIER-SECT 1 BIT		728946	114177C	1795
01 AB	32.43.21.2	MODIFIER SECT 2 BIT		728947	114177C	1795
01 AB	32.43.31.2	MODIFIER SECT. 4 BIT		728948	114177C	1795
01 AB	32.43.41.2	MODIFIER SECT. 8 BIT		728949	114177C	1795
01 AB	32.43.51.2	MODIFIER SECT A BIT		728950	114177C	1795
01 AB	32.43.61.2	MODIFIER SECT. B BIT		728951	114177C	1795
01 AB	32.43.71.2	MODIFIER SECT. C DIGIT BIT		728952	114177C	1795
01 AB	32.43.81.2	MODIFIER SECT. C2 BIT		728953	114177C	1795
01 AB	32.43.91.2	MODIFIER SECT. BORROW-CARRY BIT		728954	114177C	1795
01 AB	32.44.11.2	MODIFIER ODD DIGIT GENERATOR		728955	114177C	1795
01 AB	32.44.21.2	MODIFIER EVEN DIGIT GENERATOR		728956	114177C	1795
01 AB	32.44.31.2	MODIFIER ZONE CR GEN		728957	114177C	1795
01 AB	32.44.41.2	MODIFIER INVALID ADDRESS		728958	114177C	1795
01 AB	32.44.51.2	ADDR REG VAL CHECK LATCH AND CTRLS		728959	114177C	1795
01 AB	32.45.11.2	ADDRESS STOP INPUT SWITCHING SECT. 1		728960	114177C	1795
01 AB	32.45.21.2	ADDRESS STOP CONTROL SECT 1		728961	114177C	1795
01 AB	32.45.31.2	ADDRESS STOP CONTROL SECT. 2		728962	114177C	1795
01 AB	32.46.11.2	FEED THRU		728963	114177C	1795
01 AB	42.62.01.2	ADDRESS MODIFY UNITS A BIT		728964	114177C	1795
01 AB	42.62.02.2	ADDRESS MODIFY UNITS C ZONE BIT		728965	114177C	1795
01 AB	42.62.03.2	ADDRESS MODIFY UNITS B BIT		728966	114177C	1795
01 AB	42.62.04.2	DISTRIBUTION SHEET		728967	114177C	1795
01 AB	56.80.11.2	FIFTY ONE COLUMN SCAN CONTROL		728968	114177C	1795

PROJECT NO.	NAME	MACH	PART NO.	E. C. NO.	LOGIC NO.	TA NO.
6235	LOGIC INDEX	1401	724557	118575C	35.20.10.2	604A 12.11.63
FR CH	LOGIC NO.	LOGIC	NAME	PART NO.	E. C. NO.	TA NO.
01 B1	35.20.20.2		UNIT PLUGGING CHART	724556	117971	1990A
01 B1	35.20.21.2		SOCKET RESERVATIONS	728758	116789	1815A
01 B1	35.21.11.2		OP REGISTER LATCH	724610	116789	1815A
01 B1	35.22.11.2		OP REG ZONE DECODE	724611	116789	1815A
01 B1	35.23.11.2		OP REGISTER UNITS DECODE 1	724612	116789	1815A
01 B1	35.23.21.2		OP REGISTER UNITS DECODE 2	724613	116789	1815A
01 B1	35.24.11.2		OPERATION CODES AB ZONE	724614	116789	1815A
01 B1	35.25.11.2		OPERATION CODES B NOT A ZONE	724615	116789	1815A
01 B1	35.26.11.2		OPERATION CODES A NOT B ZONE	724616	116789	1815A
01 B1	35.27.11.2		OPERATION CODES NOT AB ZONE	724617	116789	1815A
01 B1	35.28.11.2		EVEN PARITY OPERATIONS CHECK	724618	117239	1859
01 B1	35.28.21.2		ODD PARITY OPERATIONS CHECK	724619	116789	1815A
01 B1	35.28.31.2		OPERATIONS CHECK LATCH	724620	117951	1917A
01 B1	35.29.11.2		OPR REG DISPLAY DRIVE	724621	116789	1815A
01 B1	36.41.11.2		STOP BRUSH INTEGRATION	724622	117134	1859
01 B1	36.41.21.2		STOP BRUSH INTEGRATION	724623	116789	1815A
01 B1	36.42.11.2		CHANNEL BRUSH ENCODE 1 AND 2	724624	116789	1815A
01 B1	36.42.21.2		CHANNEL BRUSH ENCODE 4 AND 8	724625	116789	1815A
01 B1	36.43.11.2		CHANNEL BRUSH REGISTER	724626	117231	1859
01 B1	36.43.21.2		E2 TRIGGER AND CHANNEL REGISTER CTRL	724627	117479	1859
01 B1	36.43.31.2		CHANNEL 9 AND 12 LATCHES	724628	116789	1815A
01 B1	36.44.11.2		SPACE SKIP REGISTER	724629	118575C	604A
01 B1	36.45.11.2		SPACE SKIP COMPARE EQUAL	724630	116789	1815A
01 B1	36.46.11.2		CARRIAGE OPR REGISTER	724631	116789	1815A
01 B1	36.46.21.2		SPACE COUNTER	724632	117134	1859
01 B1	36.47.11.2		MANUAL CARRIAGE CTRL	724633	116789	1815A
01 B1	36.48.11.2		STOP SS TRIGGER	724634	116789	1815A
01 B1	36.48.21.2		CARR STOP TR AND START SSONE	724635	116789	1815A
01 B1	36.48.31.2		CARR INLK LAT MAG DRVS INDS	724636	118575C	604A
01 B1	36.49.11.2		SIGNAL DISTRIBUTION SHEET	724637	116789	1815A
01 B1	36.49.21.2		FEED THROUGH SHEET	724638	116789	1815A
01 B1	41.10.21.2		BIT TEST OPR	724639	116789	1815A
01 B1	41.52.31.2		INDEXING OPR CODES	724640	116789	1815A
01 B1	42.40.10.2		TIE DOWN LIST	724523		
01 B1	44.10.91.2		MULTIPLY AND DIVIDE OP CODES	724641	116789	1815A
01 B1	44.62.02.2		ADDRESS MODIFY OP CODE	724642	116789	1815A
01 B1	44.70.11.2		COMPRESSED WORD OP CODE	724643	116789	1815A
01 B1	46.51.71.2		DUAL SPEED CAR SP SK	724644	116789	1815A
01 B1	56.70.11.2		FEED AND PUNCH RELEASE OP CODES	724645	116789	1815A

1724557

11-26-63

PROJECT #	NAME	MACH	PART #	EC #	LOGIC #	TA #
1401	LOGIC INDEX	1401 SBA	794226		31.90.00.2	604F
FR CH	LOGIC #	LOGIC NAME	PART #	EC #	TA #	
01 82	31.01.00.2	UNIT PLUGGING CHART	794227			1815E
01 82	31.01.11.2	START	729051	114178		1771A
01 82	31.02.11.2	PROCESS CONTROL SECTION 1	729052	118575B		604A
01 82	31.02.21.2	PROCESS CONTROL SECTION 2	729053	114178		1771A
01 82	31.02.31.2	PROCESS CONTROL SECTION 3	729054	114178		1771A
01 82	31.02.41.2	PROCESS CONTROL SECTION 4	729055	118575B		604A
01 82	31.03.11.2	MANUAL CONTROLS SECTION 1	729056	114178		1771A
01 82	31.03.21.2	MANUAL CONTROLS SECTION 2	789998			1607B
01 82	31.03.31.2	MANUAL CONTROLS SECTION 3	729058	114182		1815A
01 82	31.04.11.2	REVERSE SCAN	794263			1815G
01 82	31.05.11.2	I-E CHANGE SECTION 1	729060	114178		1771A
01 82	31.05.21.2	I-E CHANGE SECTION 2	729061	114178		1771A
01 82	31.05.31.2	I-E CHANGE SECTION 3	729062	114178		1771A
01 82	31.06.11.2	A CYCLE ELIMINATION	789999			1607B
01 82	31.07.11.2	LOAD LATCH AND GATED WM	794200			1917B
01 82	31.08.11.2	PROGRAM SKIP LATCH	729065	114178		1771A
01 82	31.09.11.2	PROCESS CHECK AND MAR KEY CONTROL	729066	114182		1815A
01 82	31.09.21.2	I O OPERATIONS	729067	118575B		604A
01 82	31.09.51.2	FEED THROUGH AND DISTRIBUTION SHEET	729068	114178		1771A
01 82	31.20.11.2	DELTA CYCLE CONTROL	794001			1607B
01 82	31.21.11.2	DELTA I CYCLE	729070	114194		1917A
01 82	31.22.11.2	DELTA A CYCLE	729071	114178		1771A
01 82	31.23.11.2	DELTA B CYCLE	794262			1607B
01 82	31.24.11.2	I CYCLE LATCH	729073	114178		1771A
01 82	31.25.11.2	A CYCLE LATCH	729074	114194		1917A
01 82	31.26.11.2	B CYCLE LATCH	794202			1771B
01 82	31.30.11.2	I RING CONTROL	729076	114178		1771A
01 82	31.31.11.2	I RING OP-1-2-3 DISTRIBUTION	729077	114188		1917A
01 82	31.31.21.2	I RING 4-5-6-7-8 DISTRIBUTION	729078	114178		1771A

604F

01-14-64

PROJECT #	NAME	MACH	PART #	EC #	LOGIC #	TA #
1401	LOGIC INDEX	1401 SBA	794228		34.90.00.1	1988G
FR CH	LOGIC #	LOGIC NAME	PART #	EC #	TA #	
01 B3	31.10.11.2	CLOCK FEED THRU	789927			1607B
01 B3	31.10.20.2	UNIT PLUGGING CHART	794229			1607B
01 B3	31.12.11.2	CLOCK DIST Y TIME SECTION 1	789928			1607B
01 B3	31.12.12.2	CLOCK DIST T TIME SECTION 2	794079			1859B
01 B3	31.12.21.2	CLOCK DIST T TIME SECTION 3	794080			1771B
01 B3	31.12.22.2	CLOCK DIST T TIME SECTION 4	789971			1607B
01 B3	31.12.31.2	CLOCK DIST T TIME SECTION 5	794082			1859B
01 B3	31.12.32.2	CLOCK DIST T TIME SECTION 6	794083			1988F
01 B3	31.12.41.2	CLOCK DIST T TIME SECTION 7	794024			1607B
01 B3	31.12.42.2	CLOCK DIST T TIME SECTION 8	794085			1815B
01 B3	31.12.51.2	CLOCK DIST U TIME SECTION 1	794006			1607B
01 B3	31.12.61.2	CLOCK DIST U TIME SECTION 2	794087			1713B
01 B3	31.12.62.2	CLOCK DIST U TIME SECTION 3	789980			1607B
01 B3	31.12.71.2	CLOCK DIST U TIME SECTION 4	789989			1607B
01 B3	31.12.81.2	CLOCK DIST U TIME SECTION 5	794000			1607B
01 B3	31.12.91.2	CLOCK DIST T TIME U TIME SECTION 1	789991			1607B
01 B3	31.12.92.2	CLOCK DIST Y TIME U TIME SECTION 2	789942			1607B
01 B3	31.12.93.2	STOR CLOCK PULSES R1 R2 R3 STROBE A	789943			1607B
01 B3	31.12.94.2	STORAGE CLOCK PULSES Z1 Z2	789944			1607B
01 B3	34.31.11.2	TRUE COMPLEMENT ANALYSIS	789947			1607B
01 B3	34.31.12.2	TRUE COMPLEMENT	794098			1771B
01 B3	34.31.13.2	1ST AND 2ND B CYCLE TRIGGERS	789949			1607B
01 B3	34.31.14.2	ADDER CARRY	794222			1607B
01 B3	34.31.15.2	QUINARY ADDER STERLING OUTPUT	794101			1771B
01 B3	34.31.16.2	ADD CTRL-ARITH RDR RVRS SCAN RDR	794102			1771B
01 B3	34.31.17.2	ADDER CONTROL-RECOMPLEMENT READER TR	794003			1607B
01 B3	34.32.11.2	B REGISTER TRANSLATOR	794004			1607B
01 B3	34.32.12.2	A REGISTER TRANSLATOR	794005			1607B
01 B3	34.32.16.2	BINARY ADDER	794106			1771B
01 B3	34.33.11.2	ZONE BIT GENERATOR	789957			1607B
01 B3	34.32.18.2	FEED THRU SHEET	794217			1441E
01 B3	34.33.12.2	SIGN CONTROL AND B BIT ZONE ADDER	789958			1607B
01 B3	34.33.13.2	A BIT ZONE ADDER	794009			1607B
01 B3	34.33.14.2	C BIT ZONE ADDER	794110			1771B
01 B3	34.34.11.2	FEED THROUGH SHEET	794111			1771B
01 B3	34.90.11.1	STERLING BINARY ADDER INPUT SWITCH	794112			1771B
01 B3	34.90.21.1	STERLING TRANSLATION TRUE OR COMP	789963			1607B
01 B3	34.90.31.1	A REG TRUE COMP STERLING	794114			1771B
01 B3	34.90.51.1	QUINARY ADDER OUTPUT	794115			1771B
01 B3	34.90.71.1	BIN ADDER STERLING CARRY CONTROLS	789966			1607B
01 B3	34.90.81.1	BSI SHILLINGS ADDER	794117			1771B
01 B3	34.90.91.1	TRANSLATE AND CHECK DIGIT	794118			1771B
01 B3	34.95.11.1	MIXED RADIX ADDER SECTION 1	794119			1771B
01 B3	34.95.21.1	MIXED RADIX ADDER SECTION 2	794120			1771B
01 B3	34.96.21.1	OVER FLOW LATCH	794121			1771B
01 B3	34.96.31.1	QUI-BINARY VALIDITY CHECK STERLING	789972			1607B

1794228

1988 G

PROJECT NO.	NAME	MACH	PART NO.	E.C. NO.	LOGIC NO.	TA NO.
1859	LOGIC INDEX	1001	724543	1185750	30.01.10.2	604A
						17.11.53
PR. NO.	LOGIC NO.	LOGIC NAME	PART NO.	E.C. NO.	TA NO.	
01 04	30.01.20.2	UNIT PLUGGING CHART	724562	117964	1947A	
01 04	30.01.21.2	PUNCH SCAN COMPLETE	724646	117130	1859	
01 04	30.01.22.2	SOCKET RESERVATIONS	726752	116767	1815A	
01 04	30.01.31.2	READ SCAN COMPLETE	724657	117964	1947A	
01 04	30.02.11.2	INTERLOCK STOP	724648	116787	1815A	
01 04	30.10.11.2	READ FEED	724649	117681	1859Q	
01 04	30.10.21.2	READ IMP CD LOGIC	724650	117964	1947A	
01 04	30.11.11.2	READ SCAN GENERATION	724651	117964	1947A	
01 04	30.12.11.2	SET UP ADDR CONTROL	724652	117130	1859	
01 04	30.12.21.2	SET UP A REG CONTROL	724653	117240	1859	
01 04	30.13.11.2	ENCODER	724654	116787	1815A	
01 04	30.13.21.2	ENCODER	724655	117130	1859	
01 04	30.13.31.2	VALIDITY CHECK	724656	117130	1859	
01 04	30.14.11.2	CHECK LATCHES	724657	117148	1859	
01 04	30.16.11.2	LAST ADDRESS + READ END CONTROL	724658	117240	1859	
01 04	30.18.11.2	READ PUNCH INDICATION	724659	116787	1815A	
01 04	30.19.11.2	FEED THROUGH SMART	724660	1185750	604A	
01 04	30.21.11.2	PUNCH CD GENERATION	724661	117148	1859	
01 04	30.22.11.2	PUNCH SCAN GENERATION	724662	117148A	1859	
01 04	30.24.11.2	PUNCH FEED	724663	117681	1859Q	
01 04	30.50.11.2	STACKER SELECT	724664	117675	1859K	
01 04	30.13.11.2	PFR ENCODE-VALIDITY	724665	117148	1859	
01 04	30.70.21.2	READ PUNCH RELEASE	724666	117661	1859Q	

1721003

PROJECT NO.	NAME	HACH	PART NO.	E C NO.	LOGIC NO.	TA NO.
1401	LOGIC INDEX	1401NU	723169	117477	36.37.00.2	1859 18.6.68
FR CH	LOGIC NO.	LOGIC NAME	PART NO.	E C NO.		TA NO.
01 85	36.37.10.2	UNIT PLUGGING CHART	723170	117477		1859
01 85	36.37.41.2	HAMMER RESET CONTROL	722340	116749A		1775
01 85	36.37.51.2	HAMMER RESET CHECK	722341	117477		1859
01 85	36.37.61.2	DISTRIBUTION SHEET	722342	116749A		1775
01 85	36.37.81.2	FEED THROUGH SHEET	722343	116749A		1775
01 85	36.37.91.2	PRINT BUFFER TENS DRIVE	722344	116749A		1775
01 85	36.38.01.2	U0 - U4 HAMMER DRIVE	722345	117477		1859
01 85	36.38.11.2	U5 - U9 HAMMER DRIVE	722346	116749A		1775
01 85	36.38.21.2	UNITS HAMMER DRIVE DISTRIBUTION	722347	116749A		1775
01 85	36.38.31.2	TENS HAMMER DRIVE	722348	116749A		1775
01 85	36.38.41.2	TENS ADDRESS DECODE	722349	116749A		1775
01 85	36.38.51.2	UNITS ADDRESS DECODE	722350	116749A		1775
01 85	36.38.61.2	HAMMER DRIVE 1-9 NUMERIC	723171	116749A		1775
01 85	36.38.71.2	HAMMER DRIVE 10-19 NUMERIC	723172	116749A		1775
01 85	36.38.81.2	HAMMER DRIVE 20-29 NUMERIC	723173	116749A		1775
01 85	36.38.91.2	HAMMER DRIVE 30-39 NUMERIC	723174	116749A		1775
01 85	36.39.01.2	HAMMER DRIVE 40-49 NUMERIC	723175	116749A		1775
01 85	36.39.11.2	HAMMER DRIVE 50-59 NUMERIC	723176	116749A		1775
01 85	36.39.21.2	HAMMER DRIVE 60-69 NUMERIC	723177	116749A		1775
01 85	36.39.31.2	HAMMER DRIVE 70-79 NUMERIC	723178	116749A		1775
01 85	36.39.41.2	HAMMER DRIVE 80-89 NUMERIC	723179	116749A		1775
01 85	36.39.51.2	HAMMER DRIVE 90-99	723180	116749A		1775
01 85	36.39.61.2	HAMMER DRIVE 100-109 NUMERIC	723181	116749A		1775
01 85	36.39.71.2	HAMMER DRIVE 110-119 NUMERIC	723182	116749A		1775
01 85	36.39.81.2	HAMMER DRIVE 120-129	723183	116749A		1775
01 85	36.39.91.2	HAMMER DRIVE 130-132 NUMERIC	723184	116749A		1775

723169

PROJECT #	NAME	MACH	PART #	EC #	LOGIC #	YA #
1401	LOGIC INDEX	1401 SBA	794230		34.90.10.2	604X
FR CH	LOGIC #	LOGIC NAME	PART #	EC #	YA #	
01 B6	31.31.31.2	I RING OP-1-2-3	789953			604N
01 B6	31.31.41.2	I RING 4-5-6-7-8	789954			604N
01 B6	34.10.11.2	EDIT	789955			604N
01 B6	34.10.21.2	EDIT	789956			604N
01 B6	34.10.31.2	EDIT	794007			1988G
01 B6	34.10.41.2	EDIT	794158			604N
01 B6	34.10.51.2	EDIT	789959			604N
01 B6	34.10.61.2	EDIT	794160			1771B
01 B6	34.11.11.2	EXPANDED EDIT DECIMAL OPTION	794161			1988F
01 B6	34.11.21.2	EXPANDED EDIT ASTERISK OPTION	794162			604E
01 B6	34.11.31.2	EXPANDED EDIT POUND OPTION	794163			1988F
01 B6	34.21.11.2	BIT COMPARE MATRIX	789964			1607D
01 B6	34.21.21.2	COMPARE EQUAL LATCH AND CONTROL	729182	114178		1771A
01 B6	34.21.31.2	PROGRAM SKIP POSITIVE TEST	789965			604N
01 B6	34.21.41.2	TRANSFER PROGRAM SKIP	729184	114178		1771A
01 B6	34.21.51.2	CHECK RESET CONTROL	729185	114178		1771A
01 B6	34.22.11.2	SENSE SWITCHES OPTIONAL	729186	114178		1771A
01 B6	34.32.19.2	QUI-BINARY VALIDITY CHECK MATRIX	794166			1771B
01 B6	34.32.20.2	QUI-BINARY VALIDITY CHECK LATCH	794167			604N
01 B6	34.90.20.2	UNIT PLUGGING CHART	794231			604X
01 B6	35.30.11.2	A REGISTER CHECK MATRIX	729189	114178		1771A
01 B6	35.30.21.2	B REGISTER CHECK MATRIX	729190	114178		1771A
01 B6	35.30.31.2	A AND B REGISTER CHECK LATCHES	729191	114182		1815A
01 B6	35.30.41.2	B REGISTER DIST. AND IND DISPLAY	729192	114178		1771A
01 B6	35.30.51.2	A REGISTER DISPLAY DRIVE	729193	114178		1771A
01 B6	41.10.11.2	BIT TEST	729194	114178		1771A
01 B6	73.11.83.2	STOP I-O ATTACHMENT	729195	114178		1771A
01 B6	99.99.91.1	PROCESS METER	724973	118575P		604A
01 B6	99.99.94.0	CPU METER UNIT	724898	119401		604R

PROJECT NO.	NAME	MACH	PART NO.	E C NO.	LOGIC NO.	TA NO.
6267	LOGIC INDEX	1401 SA	729209	114184A	37.17.10.2	1859 18.6.63
FR CH	LOGIC NO.	LOGIC	NAME	PART NO.	E C NO.	TA NO.
01 07	36.17.11.2		CHECKING ALTERNATE CYCLE CONTROL	729210	114184	1859
01 07	36.17.20.2		UNIT PLUGGING CHART	729209	114184A	1859
01 07	36.17.21.2		CHECKING ROW BIT CONTROL	729211	114184	1859
01 07	36.17.31.2		CHECK PLANE ENTRY	729212	114184	1859
01 07	36.17.41.2		CHECKING INHIBIT + ERROR GATES	729213	114184	1859
01 07	36.23.11.2		PUNCH DECODE	729214	114184A	1859
01 07	36.23.21.2		3-6 PUNCH DECODE	729215	114184	1859
01 07	36.23.31.2		PUNCH DECODE	729216	114184	1859
01 07	36.23.41.2		PUNCH CHECK DECODE	729217	114184	1859
01 07	36.28.11.2		PUNCH DRIVER RESET AND FEED THRU	729218	114184A	1859
01 07	36.28.21.2		PUNCH DRIVE TENS	729219	114184	1859
01 07	36.29.11.2		PUNCH MATRIX 0-1	729220	114184	1859
01 07	36.29.21.2		PUNCH MATRIX 2-3	729221	114184	1859
01 07	36.29.31.2		PUNCH MATRIX 4-5	729222	114184	1859
01 07	36.29.41.2		PUNCH MATRIX 6-7	729223	114184	1859
01 07	36.29.51.2		PUNCH MATRIX 8-9	729224	114184	1859
01 07	74.65.01.2		PFR DPR DRIVE CF FEATURE NO PFR	723773	114184	1859

729208
1859

PROJECT NO.	NAME	HACH	PART NO.	E C NO.	LOGIC NO.	TA NO.
1459	LOGIC INDEX	1401 HT	723546	118575B	70.10.10.2	604A 12.11.63
FR CH	LOGIC NO.	LOGIC	NAME	PART NO.	E C NO.	TA NO.
02 A1	89.02.20.0	INPUTS FROM TAPE UNIT 729 REF DWG		723456	116726	1715A
02 A1	89.02.21.0	INPUTS FROM TAPE DRIVE 7330 REF DWG		723457	113835	1282
02 A1	89.02.25.0	OUTPUTS TO TAPE UNIT 729 REF DWG		723458	118575B	604A
02 A1	89.02.26.0	OUTPUTS TO TAPE DRIVE 7330 REF DWG		723459	118575B	604A
02 A1	89.02.30.0	OUTPUTS TO TAU REF DWG		723460	116726	1715A
02 A1	89.02.35.0	INPUTS FROM TAU REF DWG		723461	116726	1715A
02 A1	89.02.50.0	INDICATORS REF DWG		723462	113835	1282
02 A1	71.10.11.2	UNIT PLUGGING CHART		723545	118575B	604A
02 A1	71.11.11.2	OPERATIONAL DECODE		724295	118575B	604A
02 A1	71.11.21.2	OPERATIONAL DECODE		724296	116749E	1775
02 A1	71.11.31.2	OPERATIONAL DECODE		724297	118575B	604A
02 A1	71.31.11.2	CLOCK TIMING CONTROLS		724298	118575B	604A
02 A1	71.31.21.2	CLOCK TIMING CONTROLS		724299	116749E	1775
02 A1	71.51.21.2	WRITE GATING INPUT TO TAU		724300	118575B	604A
02 A1	71.61.11.2	READ GATING		724301	116749E	1775
02 A1	71.61.21.2	OVERLAP CONTROLS		724302	116749E	1775
02 A1	71.71.11.2	MANUAL OPERATION-OPERATORS CONSOLE		724303	116749E	1775
02 A1	71.71.21.2	MANUAL OPERATION RESET AND LOAD TAPE		724304	116749E	1775
02 A1	71.71.31.2	MANUAL OPERATION-C.E. CONSOLE		724305	116749E	1775
02 A1	71.71.41.2	MANUAL OPERATION		724306	116749E	1775
02 A1	71.71.51.2	VOLTAGE DISTRIBUTION		724307	116749E	1775
02 A1	71.71.61.2	MANUAL OPERATION		724308	116749E	1775
02 A1	71.81.11.2	INDICATORS-TAPE CE CONSOLE		724309	116749E	1775
02 A1	71.81.12.2	INDICATORS-TAPE CE CONSOLE		724310	116749E	1775

723546

PROJECT NO.	NAME	MACH	PART NO.	E C NO.	LOGIC NO.	TA NO.
1659	LOGIC INDEX	1401 10	723554	1185758	70.10.11.2	604A 12.11.68
FR CH	LOGIC NO.	LOGIC	NAME	PART NO.	E C NO.	TA NO.
02 A2	70.11.21.2	OPERATIONAL	DECODE	724246	1167498	1775
02 A2	70.11.41.2	OPERATIONAL	DECODE	724247	1185758	604A
02 A2	70.51.21.2	WRITE	GATING	724248	117484	1917A
02 A2	70.51.31.2	WRITE	GATING	724249	1167498	1775
02 A2	70.61.21.2	READ	GATING	724250	1167498	1775
02 A2	70.61.31.2	READ	GATING	724251	1185758	604A
02 A2	70.61.41.2	READ	GATING	724252	118306	1990A
02 A2	70.65.11.2	FEED THRU	SHEET	724253	117953	1917A
02 A2	73.00.00.2	REFERENCE	DRAWING	724254	1185758	604A
02 A2	73.11.11.2	I-O	SELECT CONTROL	724255	1185758	604A *
02 A2	73.11.21.2	I-O	DATA INPUT	724256	117953	1917A
02 A2	73.11.31.2	I-O	SELECT CONTROL	724257	1185758	604A
02 A2	73.11.41.2	I-O	BRANCH CONTROL	724258	1185758	604A
02 A2	73.11.51.2	I-O	SELECT CONTROL	724259	118306	1990A
02 A2	73.11.61.2	I-O	SELECT CONTROL	724260	117953	1917A
02 A2	73.11.71.2	I-O	SELECT CONTROL	724261	117953	1917A
02 A2	73.11.82.2	UNIT	PLUGGING CHART	723553	1185758	604A *
02 A2	73.12.11.2	I-O	WRITE	724262	117953	1917A
02 A2	73.12.21.2	I-O	LOAD AND CONTROL	724263	117953	1917A
02 A2	73.91.91.2	INPUT	OUTPUT LINES REF DWG	724264	110320V	1579

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723554

PROJECT #	NAME	MACH	PART #	EC #	LOGIC #	TA #
1401	LOGIC INDEX	1401 SHD	794232		44.92.00.1	1988A
FR CH	LOGIC #	LOGIC NAME	PART #	EC #	TA #	
02 A7	44.15.01.2	A AUX STAR GATE IN AND OUT CONTROLS	794125			1771B
02 A7	44.15.11.2	B AUX STAR GATE IN AND OUT CONTROLS	794126			1771B
02 A7	44.15.21.2	AUX STAR 1 CTRL UNITS TENS HDS	794127			1771B
02 A7	44.15.31.2	AUX STAR 2 CTRL UNITS TENS HDS	794128			1771B
02 A7	44.15.41.2	AUX STAR 4 CTRL UNITS TENS HDS	794129			1771B
02 A7	44.15.51.2	AUX STAR 8 CTRL UNITS TENS HDS	794130			1771B
02 A7	44.15.61.2	AUX STAR CD CTRL UNITS TENS HDS	794131			1771B
02 A7	44.15.71.2	AUX STAR A CTRL UNITS HUNDREDS	794132			1771B
02 A7	44.16.01.2	AUX STAR B CTRL UNITS HUNDREDS	794133			1771B
02 A7	44.16.11.2	AUX STAR CZ CTRL UNITS HUNDREDS	794134			1771B
02 A7	44.16.21.2	A AUX STAR RESET CONTROLS	794135			1771B
02 A7	44.16.31.2	B AUX STAR RESET CONTROLS	794136			1771B
02 A7	44.18.01.2	QUI-BINARY DOUBLER ENTRY	794137			1771B
02 A7	44.18.11.2	QUI-BINARY DOUBLER	794138			1771B
02 A7	44.18.21.2	QUI-BINARY DOUBLER CARRY TRIGGER	794139			1771B
02 A7	44.18.31.2	TRUE COMPLEMENT BINARY ENTRY	794140			1771B
02 A7	44.18.41.2	TRUE COMPLEMENT QUINARY ENTRY	794141			1771B
02 A7	44.19.01.2	A REG TRANSLATOR ADDER COMPARE	794142			1771B
02 A7	44.19.11.2	ADDER DOUBLER COMPARE	794143			1771B
02 A7	44.19.21.2	A COMPARE LATCHES	794144			1771B
02 A7	44.19.31.2	2A COMPARE LATCHES	794145			1771B
02 A7	44.92.02.1	UNIT PLUGGING CHART	794233			1988A
02 A7	44.92.51.1	STERLING DIVIDE CONTROLS SECTION 1	794147			1771B
02 A7	44.92.61.1	STERLING POSITION RING	794148			1771B
02 A7	44.92.71.1	STERLING DIVIDE CONTROLS SECTION 2	794149			1771B
02 A7	44.92.81.1	STERLING IST A B CY LATCH	789950			1988A
02 A7	44.92.82.1	STERLING IST A B CY TRIGGER CONTROLS	789951			1988A

PROJECT NO.	NAME	MACH	PART NO.	E C NO.	LOGIC NO.	TA NO.
	LOGIC INDEX	1401	0724311	110575P	44.30.01.2	604A 12.11.68
FR CH	LOGIC NO.	LOGIC NAME	PART NO.	E C NO.	TA NO.	
02 AB	44.30.02.2	UNIT PLUGGING CHART	722569	110575P	604A	
02 AB	44.30.11.2	HI-LO-EQ INPUT DIST	724312	116749J	1775	
02 AB	44.31.11.2	SPECIAL CHARACTER COMPARE	724313	116749J	1775	
02 AB	44.32.11.2	HI-LO ZONE COMPARE	724314	116749J	1775	
02 AB	44.33.11.2	HI-LO DIGIT COMPARE SECT 1	724315	116749J	1775	
02 AB	44.33.21.2	HI-LO DIGIT COMPARE SECT 2	724316	116749J	1775	
02 AB	44.33.31.2	HI-LO DIGIT COMPARE SECT 3	724317	116749J	1775	
02 AB	44.34.11.2	B GREATER OR LESS THAN A CONTROL	724318	116749J	1775	
02 AB	44.34.21.2	HI-LO LATCH	724319	116749J	1775	
02 AB	44.34.31.2	HIGH-LOW-EQUAL TEST	724320	116749J	1775	
02 AB	75.01.01.2	CPU DATA CABLE DRIVE	724321	116749J	1775	
02 AB	75.01.02.2	CONTROL SIGNALS CABLE DRIVE	724322	110575A	604A	
02 AB	75.01.03.2	CONTROL SIGNALS CABLE DRIVE	724323	116749J	1775	
02 AB	75.01.04.2	FILE DP AND PERCENT LATCH	724324	116749J	1775	
02 AB	75.01.05.2	CTRL SIGNAL TERMINATION DIST.	724325	116749J	1775	
02 AB	75.01.06.2	CTRL SIGNAL TERMINATION DIST.	724326	116749J	1775	
02 AB	75.01.07.2	CHAR REG TERMINATION + DISTRIBUTION	724327	116749J	1775	
02 AB	75.01.08.2	A REGISTER SET	724328	116749J	1775	
02 AB	75.01.09.2	TRANSFER PROGRAM	724329	116749J	1775	
02 AB	75.01.10.2	FIRST ADDRESS TRANSFER	724330	116749J	1775	
02 AB	77.01.11.2	INQUIRY ATTACHMENT--CONTROL CKTS	724331	116790	1816A	
02 AB	77.01.21.2	INQUIRY ATTACHMENT--DATA CKTS	724332	110575P	604A	

PROJECT NO.	NAME LOGIC INDEX	MACH 1401	PART NO. 724760	E C NO. 114183	LOGIC NO. 74.10.10.2	TA NO. 1859 18.6.68
FR CH	LOGIC NO.		LOGIC NAME	PART NO.	E C NO.	TA NO.
02 B1	74.11.10.2		UNIT PLUGGING CHART	724761	114183	1859
02 B1	74.11.11.2		OVERLAP STAR-GATING	724762	114183	1859
02 B1	74.11.21.2		OVERLAP STAR-UNIVS	724763	114179	1815A
02 B1	74.11.31.2		OVERLAP STAR-TENS	724764	114179	1815A
02 B1	74.11.41.2		OVERLAP STAR-HUNDREDS	724765	114179	1815A
02 B1	74.11.51.2		FEED THRU SHEET	724766	114179	1815A
02 B1	74.11.71.2		O REGISTER GATING-WRITE LATCH	724767	114183	1859
02 B1	74.11.81.2		PROGRAM ACTIVITY RECORDING CONTROLS	724768	114183	1859
02 B1	74.21.01.2		TAPE AND RP OVERLAP MODE LATCHES	724769	114183	1859
02 B1	74.21.11.2		OVERLAP BUSY AND COMPLETE CONTROLS	724770	114183	1859
02 B1	74.21.21.2		ERROR CHECK + OVLV CY DISPLAY LATCH	724771	114179	1815A
02 B1	74.21.31.2		TAPE OVERLAP CONTROLS	724772	114183	1859
02 B1	74.21.41.2		BRANCH ON READER AND PUNCH BUSY	724773	114179	1815A
02 B1	74.31.11.2		OVERLAP START CONTROLS	724774	114179	1815A
02 B1	74.31.21.2		ACTIVATE REM + DELTA OVLV + OVLV L	724775	114183	1859
02 B1	74.31.31.2		CHARACTER CONTROL LATCHES	724776	114179	1815A
02 B1	74.31.41.2		OVERLAP PROCESS INTERLOCK CONTROLS	724777	114183	1859
02 B1	74.31.51.2		OVERLAP PROCESS INTERLOCK CONTROLS	724778	114179	1815A
02 B1	74.31.61.2		OVERLAP INTERLOCK STOP CONTROLS	724779	114179	1815A
02 B1	74.41.11.2		TAPE OVERLAP CONTROL INTERLOCK	724780	114183	1859
02 B1	74.41.21.2		INDICATORS-OVERLAP	724781	114179	1815A

PROJECT NO.	NAME	MACH	PART NO.	E.C. NO.	LOGIC NO.	TA NO.
8267	LOGIC INDEX	INQ1 IM	729033	117972	44.70.00.2	1990C 28.41.63
FR CH	LOGIC NO.	LOGIC NAME	PART NO.	E.C. NO.	TA NO.	
02 86	41.50.00.2	UNIT PLUGGING CHART	729034	114176	1771A	1631
02 86	41.50.01.2	INDEX TAG LATCHES	729035	114176	1771A	
02 86	41.50.11.2	STORE INDEX CYCLE IRIN GATES	729036	114176	1771A	
02 86	41.50.21.2	STORE INDEX CYCLE TRIGGERS	729037	114176	1771A	
02 86	41.50.31.2	STORE CYCLE DRIVERS	729038	114176	1771A	
02 86	41.50.41.2	INDEX ADDRESS REGISTER SET	729039	114176	1990A	
02 86	41.50.51.2	A STAR READ IN + STORE CYCLE 1 2 3	729040	114176	1771A	
02 86	41.50.61.2	B STAR READ IN	729041	114176	1771A	
02 86	41.50.71.2	HUNDREDS ZONE CARRY CONTROLS	729042	114176	1990C	
02 86	41.50.81.2	INDEX A AND B STAR GATES	729043	114176	1771A	
02 86	41.50.91.2	A REG SET 1 2 4	729044	114176	1771A	
02 86	41.51.01.2	A REG SET H CD A B CE	729045	114176	1771A	
02 86	41.51.11.2	A REG SET UNITS A B CE	729046	114176	1771A	
02 86	41.51.21.2	INDEX STAR	729155	114176	1771A	
02 86	41.51.31.2	STORE INDEX CONTROL	729156	114176	1771A	
02 86	41.51.41.2	STORE CONTROLS	729157	114176	1771A	
02 86	41.51.51.2	STORE 1 STAR	729158	114176	1771A	
02 86	41.51.61.2	INDEX 1 CONTROL	729159	114176	1771A	
02 86	41.51.71.2	MOVE RECORD	729160	114176	1771A	
02 86	44.70.21.2	COMPRESSED WORD CTL	729161	114176	1771A	
02 86	44.70.31.2	COMP WD CYCLE CTL	729162	114176	1771A	
02 86	44.70.41.2	COMP WD 1ST AND 2ND 8 BIT	729163	114176	1771A	

PROJECT #	NAME	MACH	PART #	EC #	LOGIC #	TA #
1401	LOGIC INDEX	1401 SMD	794234		44.92.10.1	1859C
FR CH	LOGIC #	LOGIC NAME	PART #	EC #	TA #	
02 B7	44.10.01.2	PULSE DISTRIBUTION AND FEED THRU	794050			1771B
02 B7	44.10.11.2	PULSE DISTRIBUTION	794051			1771B
02 B7	44.10.21.2	B REG DIGIT GENERATION	794052			1771B
02 B7	44.11.01.2	AUX STAR SET LATCH	794053			1771B
02 B7	44.11.11.2	A CYCLE ELIMINATE LATCH	794054			1859B
02 B7	44.11.21.2	X POSITION LAT AND MULTIPLIER LAT	794055			1859B
02 B7	44.11.31.2	SIGN TRIGGER	794056			1771B
02 B7	44.11.41.2	CLEAR B FIELD LAT AND SET PROD LAT	794057			1859B
02 B7	44.12.01.2	END DIV LAT QUDY TR & REV SCAN LAT	794058			1771B
02 B7	44.12.11.2	A LATCH AND 2A LATCH	794059			1771B
02 B7	44.13.01.2	COM GATE SET SIGN AND 1-E CHANGE	794060			1771B
02 B7	44.13.11.2	COMPLEMENT AND SET A TRANS OUTPUT	794061			1771B
02 B7	44.13.21.2	INHIBIT GATING AND ARITH CHECK LATCH	794062			1771B
02 B7	44.13.31.2	SET STARS AND ADDER CARRY	794063			1771B
02 B7	44.14.01.2	DELTA A AUX CYCLE LATCH	794064			1771B
02 B7	44.14.11.2	A AUX CYCLE LATCH	794065			1771B
02 B7	44.14.21.2	DELTA B AUX CYCLE LATCH	794066			1771B
02 B7	44.14.31.2	B AUX CYCLE LATCH	794067			1771B
02 B7	44.92.11.1	STERLING 4TH B CY LATCH	794068			1771B
02 B7	44.92.20.1	UNIT PLUGGING CHART	794233			1859C
02 B7	44.92.21.1	STERLING LAST ADD LATCH AND ADD 0	794070			1771B
02 B7	44.92.31.1	MULT DIVIDE CONTROL RING STERLING	794071			1771B
02 B7	44.92.32.1	STERLING MULTIPLY CONTROLS SECTION 1	794072			1607B
02 B7	44.92.33.1	STERLING MULTIPLY CONTROLS SECTION 2	794073			1771B
02 B7	44.92.41.1	STERLING CODE DISTRIBUTION	794074			1771B
02 B7	44.92.42.1	STERLING DIVIDE CONTROLS	794011			1607B

01-27-64

PROJECT #	NAME	MACH	PART #	EC #	LOGIC #	TA #
1401	LOGIC INDEX	1401 SBA	794236		31.91.00.2	604N
FR CH	LOGIC #	LOGIC NAME	PART #	EC #	TA #	
02 B6	31.91.10.2	UNIT PLUGGING CHART	794022			1988G
02 B8	31.91.11.1	STERLING MARKER SENSE CIRCUITS	789975			604N
02 B6	31.91.21.1	STERLING RING CONTROL	794172			1988A
02 B8	31.91.31.1	STER ARITH INH AND 1ST CYCLE CTRLS	789996			1988G
02 B8	31.91.41.1	STERLING ARITH 2ND CYCLE CONTROLS	789997			1607B
02 B6	31.91.51.1	STERLING ARITHMETIC MARKER SKIP	789970			604N
02 B9	31.92.01.2	CLOCK CONTROL SECTION 1	789960			1988A
02 B6	31.92.10.2	CLOCK CONTROL SECTION 2	789961			1607B
02 B9	31.92.12.1	T TIME 000-030 030-060	789962			1988G
02 B8	31.92.22.1	T TIME 000-015 015-045	789925			1859C
02 B8	31.92.31.1	T TIME 045-060 015-030 60-075	789926			1859N
02 B8	31.92.32.1	T TIME 060-000 075-090 30-090	789967			1988G
02 B6	31.92.41.1	T TIME 030-105 075-105 75-000	789968			1607B
02 B8	31.92.42.1	T TIME 090-105 105-000	789969			1607B
02 B6	31.92.51.1	U TIME 000-30 030-60 T TIME 000-060	789930			1607B
02 B8	31.92.61.1	U TIME 000-015 060-090	789931			1607B
02 B8	31.92.62.1	U TIME 105-000 090-000	789932			1607B
02 B6	31.92.71.1	U TIME 030-045 045-060 60-075	789933			1607B
02 B6	31.92.81.1	U TIME 90-105 30-90 75-90 30-0 60-90	789934			1607B
02 B8	31.92.91.1	T TIME 090-030 U TIME 075-105	789935			604N
02 B8	31.92.92.1	T TIME 045-075 U TIME 000-060	789936			1988G
02 B6	31.92.93.1	STOR. CLOCK PULSES R1 R2 R3 STROBE A	789937			1607B
02 B6	31.92.94.1	STORAGE CLOCK PULSES Z1 Z2	789938			1607B
02 B8	34.92.11.1	EDIT B CY ELIM STERLING EDIT	789939			1988G
02 B6	34.92.21.1	STERLING EDIT CONTROLS SECTION 1	789940			604N
02 B6	34.92.31.1	STERLING EDIT CONTROLS SECTION 2	789941			1988G
02 B6	34.92.41.1	STERLING EDIT CONTROLS SECTION 3	789952			1607B
02 B8	34.93.11.1	EXPANDED EDIT POUNDS OPTION	789924			1988G
02 B8	34.96.11.1	STERLING CONTROL RING	794002			1988G
02 B4	37.90.21.1	STERLING CODE LOAD RESISTORS	789945			1607B
02 B6	44.90.11.1	EXPAND COMPRESS CONTROLS	789946			1607B
02 B8	44.90.21.1	EXPAND CONTROLS	789977			1607B
02 B6	44.90.31.1	COMPRESS CONTROLS	789948			1607B

PROJECT NO.	NAME	MACH	PART NO.	E C NO.	LOGIC NO.	TA NO.
6557	LOGIC INDEX	9TAU	729196	114193	29.10.01.1	1817A 28.8.63
FR CH	LOGIC NO.	LOGIC	NAME	PART NO.	E C NO.	TA NO.
00 XA	74.11.81.2	WRITE GATING-O	REG STORE A REG	729259	114179	1815A
00 XA	74.11.91.2	OVERLAP INDICATORS		724755	114179	1815A
00 XA	74.41.21.2	INDICATORS OVERLAP REF DWG		724826	114141	1870PF
00 XA	89.40.61.1	READ RECOGNITION		729197	114179	1815A
00 XA	89.50.50.1	ERROR TRIGGERS		729198	114179	1815A
00 XA	89.50.51.1	SKEW ERROR + A REG VRC		729199	114179	1815A
00 XA	89.50.52.1	ERROR STOP		729200	114179	1815A
00 XA	89.60.01.1	SELECT + READY		729201	114179	1815A
00 XA	89.60.02.1	LP PT + BUSY + REWIND	REWIND UNLD	729202	114179	1815A
00 XA	89.60.10.1	SEL+READY RD+WRITE		729203	114179	1815A
00 XA	89.60.11.1	GO TRIGGER		729204	114179	1815A
00 XA	89.60.20.1	READ CONDITION		729205	114179	1815A
00 XA	89.60.30.1	WRITE CONDITION		729225	114179	1815A
00 XA	89.60.31.1	WRITE DISC TAPE MARK ERASE		729226	114193	1817A
00 XA	89.60.40.1	BACKSPACE		729227	114179	1815A
00 XA	89.60.50.1	TAPE UNIT LINES		729228	114179	1815A
00 XA	89.60.51.1	TAPE UNIT LINES		729229	114179	1815A
00 XA	89.90.10.8	SOCKET RESERVATIONS		729230	114179	1815A
00 XA	89.90.10.9	SOCKET RESERVATIONS		729231	114179	1815A
00 XA	89.90.51.1	UNIT PLUGGING CHART		729232	114193	1817A

061671

PROJECT NO.	NAME	WACH	PART NO.	E C NO.	LOGIC NO.	TA NO.
	LOGIC INDEX	1401	805535	118300	29.10.02.1	1990A 29.10.63
FR CH	LOGIC NO.	LOGIC	NAME	PART NO.	E C NO.	TA NO.
00 XB	89.10.10.1	READ CLOCK DRIVE		805537	116749C	1775
00 XB	89.10.20.1	HEAD CLOCK		805538	116749C	1775
00 XB	89.10.30.1	READ CLOCK GATING		805539	116749C	1775
00 XB	89.10.31.1	READ CLOCK GATING		805540	116749C	1775
00 XB	89.20.10.1	WRITE CLOCK AND DELAY COUNT DRIVE		805541	116749C	1775
00 XB	89.20.11.1	DENSITY SWITCHING		805542	116749C	1775
00 XB	89.20.20.1	WRITE CLOCK		805543	116749C	1775
00 XB	89.20.30.1	WRITE CLOCK GATING		805544	116749C	1775
00 XB	89.30.10.1	READ DELAY CONTROL		805545	116749C	1775
00 XB	89.30.11.1	WRITE DELAY CONTROL		805546	116749C	1775
00 XB	89.30.20.1	DELAY COUNTER DRIVE		805547	116749C	1775
00 XB	89.30.31.1	DELAY COUNTER RESET TRIGGER RESET		805548	116749C	1775
00 XB	89.30.40.1	DELAY COUNTER		805549	116749C	1775
00 XB	89.30.41.1	DELAY COUNTER		805550	116749C	1775
00 XB	89.30.42.1	DELAY COUNTER		805551	116749C	1775
00 XB	89.30.43.1	DELAY COUNTER		805552	116749C	1775
00 XB	89.30.50.1	DELAY COUNTER GATING		805553	118300	1990A
00 XB	89.30.51.1	DELAY COUNTER GATING		805554	116749C	1775
00 XB	89.30.52.1	DELAY COUNTER GATING		805555	116749C	1775
00 XB	89.30.53.1	DELAY COUNTER GATING		805556	116749C	1775
00 XB	89.30.54.1	DELAY COUNTER GATING		805557	116749C	1775
00 XB	89.30.55.1	DELAY COUNTER GATING		805558	116749C	1775
00 XB	89.30.56.1	FORWARD STOP DELAY AND COMPUTE		805559	116749C	1775
00 XB	89.90.11.1	UNIT PLUGGING CHART		805536	118300	1990A
00 XB	89.90.11.9	SOCKET RESERVATIONS		805560	116749C	1775

805535

PROJECT NO.	NAME	WACH	PART NO.	E C NO.	LOGIC NO.	TAG NO.
6937	LOGIC INDEX	1401	723396	1167490	89.10.03.1	1775 12.3.68
PR NO.	LOGIC NO.	LOGIC NAME	PART NO.	E C NO.	TA NO.	
80 KC	89.40.10.1	FINAL AMPLIFIERS	761263	1167490	1775	
80 KC	89.40.12.1	ERROR STOP READ GATING	761264	1167490	1775	
80 KC	89.40.20.1	REG A AND REG B 1 AND 2 BIT PENS	761265	1167490	1775	
80 KC	89.40.21.1	REG A AND REG B 4 AND 8 BIT PENS	761266	1167490	1775	
80 KC	89.40.22.1	REG A AND REG B A AND B BIT PENS	761267	1167490	1775	
80 KC	89.40.23.1	REG A AND REG B C BIT PEN	761268	1167490	1775	
80 KC	89.40.50.1	R-W REGISTER BIT POSITION	761269	1167490	1775	
80 KC	89.40.51.1	R-W REGISTER BIT POSITION	761270	1167490	1775	
80 KC	89.40.52.1	R-W REGISTER BIT POSITION	761271	1167490	1775	
80 KC	89.40.60.1	READ RECOGNITION	761272	1167490	1775	
80 KC	89.40.62.1	ODD-EVEN CHARACTER COUNTER	723407	1167490	1775	
80 KC	89.50.10.1	READ A REG VRC	761273	1167490	1775	
80 KC	89.50.20.1	READ WRITE VRC	761274	1167490	1775	
80 KC	89.50.30.1	COMPARE CHECK	761275	1167490	1775	
80 KC	89.50.40.1	LRCR REG PENS 1 2 A AND B BITS	761276	1167490	1775	
80 KC	89.50.41.1	LRCR REG PENS A B AND C BITS	761277	1167490	1775	
80 KC	89.50.42.1	LRCR ERROR + LRCR MESSAGE	761278	1167490	1775	
80 KC	89.99.03.1	UNIT PLUGGING CHART	760769	116182	1441B	
80 KC	89.99.12.0	SECRET RESERVATIONS	723052	1167490	1775	
80 KC	89.99.12.9	SECRET RESERVATIONS	723399	1167490	1775	

723396

PROJECT #	NAME	MACH	PART #	E C #	LOGIC #	TA #
1406	LOGIC INDFX	1406	724690	112911	42.63.10.2	1126 ✓
FR CH	LOGIC #	LOGIC	NAME	PART #	E C #	TA #
06 B1	42.40.63.2	1406	TIMING & VOLTAGE DIST REF. DWG.	805455	109556	37615A
01 B1	42.60.11.2		SOTRAGE CORE FRAME REF DWG	805436	112911	1126
06 B1	42.60.21.2		10X10 MATRIX SWITCH-8K REF DWG	805437	112911	1126
06 B1	42.60.31.2		8X10 MATRIX SWITCH-8K REF DWG	805438	112911	1126
06 B1	42.60.41.2		1406 BK DRIVER TERM RES REF DWG	805453	112911	1126
06 B1	42.61.11.2		8K STORAGE BLOCK DIAGRAM REF DWG	805452	112911	1126
06 B1	42.63.00.2		UNIT PLUGGING CHART	723799	112911	1126
06 B1	42.63.11.2		UNITS DECODE SWITCH	723800	112911	1126
06 B1	42.64.11.2		TENS DECODE SWITCH	723801	112911	1126
06 B1	42.65.11.2		HUNDREDS DECODE SWITCHES	723802	112911	1126
06 B1	42.66.11.2		HUNDREDS AND THOUSANDS DECODE SWIT.	723803	112911	1126
06 B1	42.67.11.2		CURRENT DRIVERS AND CURRENT SOURCES	723804	112911	1126
06 B1	42.68.11.2		INHIBIT DRIVERS	723805	112911	1126
06 B1	42.60.42.2		INHIBIT RESISTORS&FILTER C REF DWG	805454	112911	1126
06 B1	42.69.11.2		PRE-SENSE AND SENSE AMPLIFIERS	723807	112911	1126

PROJECT NO.	NAME	MACR	PART NO.	E. C. NO.	LOGIC NO.	TA NO.
1808	LOGIC INDEX	1406	805487	118522	82.65.80.2	1992A 29.10.63
EA. CM	LOGIC NO.	LOGIC NAME	PART NO.	E. C. NO.	TA NO.	
08 B4	82.65.00.2	UNIT PLUGGING CHART	805486	117242	1871A	
08 B4	82.65.01.2	ARITHMETIC MODIFY CONTROLS GEN	805489	117488	1955A	
08 B4	82.65.02.2	MODIFY OPERATION CONTROLS	805476	117242	1871A	
08 B4	82.66.01.2	FULL STORAGE PRINT	805489	118322	1992A	
08 B4	82.67.01.2	ACTIVATE STORAGE DECODE	805490	118322	1992A	
08 B4	82.67.02.2	STORAGE CONTROL PULSE GENERATION	805491	118322	1992A	

805487

40-5-142

PROJECT #	NAME	MACH	PART #	EC #	LOGIC #	TA #
1406	LOGIC INDEX	1406	4064144 D	116 793	42.80.11.2	1848
FR CH	LOGIC #	LOGIC NAME	PART #	EC #	TA #	
06 B8	42.81.11.2	1406 POWER DISTRIBUTION	4064145C	117133	1822	
06 B8	42.82.11.2	1406 POWER SUPPLY GATE LAYOUT	805388A	109581C	1334C	
06 B8	42.83.11.2	WIRING DIAGRAMS-1406-12 VLT PWR SUPP	4064146C	116 793	1848	

21.1.63	EC-116793			
16.5.63	TA-1848			

IBM			

1401 INTERMEDIATE LEVEL DIAGRAMS
TAU 9 INDEX

FIGURE	NAME	PART NUMBER
180	REFERENCE SHEET	723750
181	WRITE CONTROLS 1	723751
182	WRITE CONTROLS 2	723752
183	READ CONTROLS 1	723753
184	READ CONTROLS 2	723754
185	BACK SPACE, ERASE, REWIND AND REWIND UNLOAD	723755
186	WR CLOCK AND DLY COUNTER OSC GATING	723756
187	DELAY COUNTER	723757
188	READ DISC DELAY FORWARD STOP DLY AND CHECK CHARACTER	723758
189	GO AND TP DRY INPUT OUTPUT LINES	723759
190	FINAL AMPLIFIERS A REG B REG, R/W REG, LCR REG	723760
191	ERROR CIRCUITS 1	723761
192	ERROR CIRCUITS 2	723762
195	729 WRITE OPERATION	723763
195-1	7330 WRITE OPERATION	723764
195-2	WRITE CLOCK CYCLES 729, 7330 WRITE OPERATION	723765
195-3	READ CLOCK CYCLES 729, 7330 WRITE OPERATIONS	723766
196	729 READ OPERATION	723767
196-1	7330 READ OPERATION	723768
196-2	READ CLOCK CYCLES 729, 7330 READ OPERATIONS	723769
197	729 BACKSPACE OP	723770
197-1	7330 BACKSPACE OP	723771

DATE	CHANGE NO.	DATE	CHANGE NO.	INTERNATIONAL BUSINESS MACHINES CORP			
9-7-61	1122263	17,10,61	TA 37927B	NAME	TAU 9 INDEX		
				DESIGN		TYPE	
				DETAIL		SCALE	
				CHECK		DRAW	VE 8-2-61
				APPRO		DATE	

UNIT PLUMBING CHART

01 A 1

1951

62-59-29-2

SHEET 1 OF 7
DATE NOV 16, 1951

A	B	REMARKS C	D	E	F
			Bottom No. 5	Mid	Top
			LX 6371899 01 82.59.11.2	AQU 6376833 01 82.59.11.2	DRA 6376833 01 82.59.11.2
			LX 6371899 01 82.59.11.2	AQU 6376833 01 82.59.11.2	DRA 6376833 01 82.59.11.2
			LX 6371899 01 82.59.11.2	AQU 6376833 01 82.59.11.2	DRA 6376833 01 82.59.11.2
			LX 6371899 01 82.59.11.2	AQU 6376833 01 82.59.11.2	DRA 6376833 01 82.59.11.2
			LX 6371899 01 82.59.11.2	AQU 6376833 01 82.59.11.2	DRA 6376833 01 82.59.11.2
			LX 6371899 01 82.59.11.2	AQU 6376833 01 82.59.11.2	DRA 6376833 01 82.59.11.2
			LX 6371899 01 82.59.11.2	AQU 6376833 01 82.59.11.2	DRA 6376833 01 82.59.11.2
			LX 6371899 01 82.59.11.2	AQU 6376833 01 82.59.11.2	DRA 6376833 01 82.59.11.2
			LX 6371899 01 82.59.11.2	AQU 6376833 01 82.59.11.2	DRA 6376833 01 82.59.11.2
			LX 6371899 01 82.59.11.2	AQU 6376833 01 82.59.11.2	DRA 6376833 01 82.59.11.2
			LX 6371899 01 82.59.11.2	AQU 6376833 01 82.59.11.2	DRA 6376833 01 82.59.11.2
			LX 6371899 01 82.59.11.2	AQU 6376833 01 82.59.11.2	DRA 6376833 01 82.59.11.2
			LX 6371899 01 82.59.11.2	AQU 6376833 01 82.59.11.2	DRA 6376833 01 82.59.11.2
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			LX 6371899 01 82.59.11.2	AQU 6376833 01 82.59.11.2	DRA 6376833 01 82.59.11.2

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	A	B	C	D	E	F
1	JHVB BA 0371079 04 35.11.11.25 35.11.51.25 35.11.51.25	CGWV BA 0371251 03 35.16.11.25 35.16.11.25 35.16.11.25	CEH- BA 0370139 02 35.11.11.25 35.11.51.25 35.11.51.25	CGWV BA 0371251 03 35.16.11.25 35.16.31.25 35.16.61.25	4JMX BA 0370142 02 35.11.11.25 35.11.51.25 35.11.51.25	2JMX BA 0370144 02 35.17.51.25 35.17.51.25 35.17.51.25
2	PP- BA 0371370 04 35.11.11.25 35.11.25.25 35.11.51.25	CGWV BA 0371251 03 35.16.11.25 35.16.21.25 35.16.21.25	PP- BA 0371370 04 35.11.11.25 35.11.11.25 35.11.51.25	CGWV BA 0371251 03 35.16.61.25 35.16.71.25 35.16.71.25	3JMX BA 0370141 02 35.11.11.25 35.11.51.25 35.11.51.25	5JLVB BA 0371077 04 35.17.51.25 35.17.51.25 35.17.51.25
3	JFVP BA 0371576 04 35.11.11.25 35.11.11.25 35.11.51.25	PP- BA 0371365 04 35.11.11.25 35.11.11.25 35.11.51.25	CEH- BA 0370139 02 35.12.11.25 35.12.51.25 35.12.51.25	PP- BA 0371365 04 35.16.51.25 35.16.51.25 35.16.61.25	CG- BA 0371273 04 35.11.11.25 35.11.51.25 35.12.11.25	2JMX BA 0370144 02 35.17.51.25 35.17.51.25 35.17.51.25
4	JHVB BA 0371079 04 35.12.11.25 35.12.11.25 35.12.51.25	PP- BA 0371365 04 35.16.11.25 35.16.11.25 35.16.21.25	PP- BA 0371370 04 35.12.11.25 35.12.11.25 35.12.51.25	PP- BA 0371365 04 35.16.71.25 35.16.71.25 35.16.71.25	PP- BA 0371365 04 35.11.11.25 35.11.51.25 35.12.11.25	4JMX BA 0370142 02 35.17.51.25 35.17.51.25 35.17.51.25
5	PP- BA 0371370 04 35.12.11.25 35.12.11.25 35.12.51.25	CJVV BA 0371267 02 35.16.21.25 35.18.51.25 35.18.51.25	CGWV BA 0371260 04 35.17.11.25 35.18.51.25 35.18.21.25	CGWV BA 0371251 03 35.16.71.25 35.16.71.25 35.16.81.25	CGWV BA 0371252 03 35.10.31.25 35.10.31.25 35.10.31.25	2JMX BA 0370144 02 35.17.51.25 35.17.51.25 35.17.51.25
6	JFVP BA 0371576 04 35.12.11.25 35.12.11.25 35.12.51.25	PP- BA 0371365 04 35.12.11.25 35.12.11.25 35.12.51.25	JJVA BA 0371589 04 35.17.11.25 35.14.11.25 35.11.51.25	CGWV BA 0371251 03 35.16.81.25 35.16.81.25 35.16.81.25	4JMX BA 0370142 02 35.12.11.25 35.12.51.25 35.12.51.25	5JLVB BA 0371077 04 35.17.51.25 35.17.51.25 35.17.51.25
7	JHVB BA 0371079 04 35.13.11.25 35.13.11.25 35.13.51.25	CJYC BA 0371071 02 35.16.31.25 35.16.31.25 35.16.31.25	CEH- BA 0370139 02 35.13.11.25 35.13.51.25 35.13.51.25	PP- BA 0371365 04 35.16.81.25 35.16.81.25 35.16.81.25	3JMX BA 0370141 02 35.12.11.25 35.12.51.25 35.12.51.25	2JMX BA 0370144 02 35.17.51.25 35.17.51.25 35.17.51.25
8	PP- BA 0371370 04 35.13.11.25 35.13.11.25 35.13.51.25	CJYC BA 0371071 02 35.16.31.25 35.16.31.25 35.16.31.25	PP- BA 0371370 04 35.13.11.25 35.13.11.25 35.13.51.25	CRZY BA 0371275 04 35.14.51.25 35.14.51.25 35.14.51.25	CG- BA 0371273 04 35.12.51.25 35.12.51.25 35.14.51.25	4JMX BA 0370142 02 35.17.51.25 35.17.51.25 35.17.51.25
9	JFVP BA 0371576 04 35.13.11.25 35.13.11.25 35.13.51.25	PP- BA 0371365 04 35.13.11.25 35.13.11.25 35.13.51.25	CEH- BA 0370139 02 35.14.11.25 35.14.51.25 35.14.51.25	PP- BA 0371365 04 35.18.11.25 35.18.11.25 35.18.11.25	JH- BA 0371586 02 35.13.51.25 35.13.51.25 35.13.51.25	6CLVQ BA 0371255 03 35.17.61.25 35.18.41.25 35.17.61.25
10	JHVB BA 0371079 04 35.14.11.25 35.14.11.25 35.14.51.25	PP- BA 0371365 04 35.16.31.25 35.16.31.25 35.16.81.25	PP- BA 0371370 04 35.14.11.25 35.14.11.25 35.14.51.25	CLVT BA 0371073 04 35.14.11.25 35.17.11.25 35.16.11.25	3JMX BA 0370141 02 35.13.11.25 35.13.51.25 35.13.51.25	6CKYC BA 0371072 02 35.18.31.25 35.18.31.25 35.18.31.25
11	PP- BA 0371370 04 35.14.11.25 35.14.11.25 35.14.51.25	PP- BA 0371370 04 35.16.31.25 35.16.31.25 35.18.41.25	PP- BA 0371365 04 35.10.51.25 35.18.11.25 35.18.11.25	CLVT BA 0371073 04 35.10.31.25 35.10.31.25 35.10.31.25	CGWV BA 0371251 03 35.13.51.25 35.14.11.25 35.14.11.25	6CLVQ BA 0371255 03 35.17.61.25 35.18.41.25 35.18.41.25
12	JFVP BA 0371576 04 35.14.11.25 35.14.11.25 35.14.51.25	PP- BA 0371365 04 35.14.11.25 35.14.11.25 35.14.51.25	COZY BA 0371272 04 35.14.51.25 35.10.51.25 35.13.51.25	COZY BA 0371272 04 35.18.41.25 35.18.11.25 35.18.11.25	3JMX BA 0370141 02 35.14.11.25 35.14.51.25 35.14.51.25	6CHV BA 0371265 03 35.16.21.25 35.17.71.25 35.17.71.25
13	JHVB BA 0371079 04 35.15.11.25 35.15.11.25 35.15.51.25	6CKYC BA 0371072 02 35.18.31.25 35.18.41.25 35.18.41.25	3JMX BA 0370141 02 35.15.11.25 35.15.11.25 35.15.11.25	6CJWF BA 0371268 02 35.17.11.25 35.15.11.25 35.15.11.25	4JMX BA 0370142 02 35.14.51.25 35.18.51.25 35.18.51.25	6CLVR BA 0371075 04 35.18.41.25 35.18.41.25 35.18.21.25

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	A	B	C	D	E	F
14	JHVB BA 0371079 04 35.15.51.2 35.15.51.2 35.15.51.2	CLVQ BA 0371253 03 35.10.51.2 35.16.51.2 35.10.51.2	3JHX BA 0370141 02 35.15.11.2 35.15.11.2 35.15.11.2	JHVB BA 0371079 04 35.18.11.2 35.17.11.2 35.17.11.2	CKYC BA 0371278 04 35.13.11.2 35.13.11.2 35.13.11.2	CKYC BA 0371071 02 35.17.51.2 35.18.51.2 35.18.51.2
15	PP-- BA 0371370 04 35.15.51.2 35.15.51.2 35.15.51.2	JH-- BA 0371586 02 35.10.51.2 35.10.51.2 35.10.51.2	CLVR BA 0371075 04 35.10.51.2 35.10.51.2 35.10.51.2	COZT BA 0371272 04 35.18.21.2 35.18.11.2 35.18.11.2	PP-- BA 0371365 04 35.14.51.2 35.17.11.2 35.18.41.2	CKJWF BA 0371268 02 35.18.51.2 35.18.51.2 35.18.51.2
16	JHVB BA 0371079 04 35.15.51.2 35.15.51.2 35.15.51.2	CKJWF BA 0371268 02 35.10.51.2 35.10.51.2 35.10.51.2	JLVB BA 0371077 04 35.10.51.2 35.10.51.2 35.10.51.2	CKNYT BA 0371260 06 35.18.31.2 35.18.51.2 35.15.51.2	CHVW BA 0371264 03 35.15.11.2 35.18.51.2 35.15.11.2	CLVR BA 0371075 04 35.16.81.2 35.18.51.2 35.16.81.2
17	CLVR BA 0371075 04 35.18.61.2 35.18.61.2 35.18.61.2	CGVW BA 0371261 03 35.18.61.2 35.18.61.2 35.18.61.2	JGVW BA 0371581 03 35.10.51.2 35.18.51.2 35.10.51.2	CLVT BA 0371073 04 35.17.11.2 35.18.11.2 35.18.11.2	JH-- BA 0371586 02 35.14.11.2 35.14.11.2 35.14.11.2	JLVB BA 0371588 04 35.17.11.2 35.18.51.2 35.17.61.2
18	CKYC BA 0371071 02 35.18.61.2 35.18.51.2 35.18.51.2	PP-- BA 0371365 04 35.10.51.2 35.10.51.2 35.10.51.2	JLVB BA 0371077 04 35.15.51.2 35.17.11.2 35.18.21.2	JLVA BA 0371589 04 35.18.31.2 35.18.21.2 35.17.11.2	JH-- BA 0371586 02 35.17.11.2 35.18.11.2 35.18.11.2	CLVT BA 0371073 04 35.15.11.2 35.18.41.2 35.18.61.2
19	JH-- BA 0371586 02 35.18.61.2 35.15.11.2 35.18.31.2	CHVW BA 0371264 03 35.16.61.2 35.18.31.2 35.18.31.2	2JHX BA 0370144 02 35.18.21.2 35.18.21.2 35.18.21.2	CRZT BA 0371275 04 35.16.51.2 35.18.11.2 35.18.31.2	JJVP BA 0371587 04 35.17.11.2 35.17.11.2 35.15.11.2	CLVT BA 0371073 04 35.14.51.2 35.18.41.2 35.18.41.2
20	COZV BA 0371271 04 35.16.61.2 35.10.11.2 35.18.11.2	JHVB BA 0371079 04 35.15.51.2 35.17.71.2 35.17.61.2	FKA-- BA 0371546 04 35.17.71.2 35.16.21.2 35.17.61.2	CKVU BA 0371269 02 35.16.21.2 35.16.21.2 35.13.11.2	JH-- BA 0371586 02 35.17.11.2 35.13.11.2 35.13.11.2	CKYC BA 0371072 02 35.18.41.2 35.18.41.2 35.18.41.2
21	AEA- SBA 0371929 04 35.18.51.2 35.18.11.2 35.15.11.2	JJVP SBA 0371587 04 35.18.11.2 35.18.11.2 35.18.11.2	CLVR SBA 0371075 04 35.18.41.2 35.18.61.2 35.18.61.2	CLVT BA 0371073 04 35.10.51.2 35.18.61.2 35.18.61.2	JLVA BA 0371589 04 35.17.71.2 35.17.11.2 35.18.51.2	CKJWF BA 0371268 02 35.17.71.2 35.10.51.2 35.10.51.2
22		CLVR BA 0371075 04 35.10.51.2 35.14.51.2 35.18.11.2 35.10.51.2		CHVW SBA 0371265 03 35.13.11.2 35.15.11.2 35.18.51.2		CL-- BA 0371501 01 35.11.11.2
23			AEA- BA 0371929 12 35.10.51.2 35.10.51.2 35.10.51.2			
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A	B	REMARKS C	D	E	F
1		WL-- PF 0371898 02 46.10.61.2 46.10.61.2		JLVB PF 0371077 04 46.10.21.2 46.10.21.2 46.10.21.2 46.10.21.2	
2		WL-- PF 0371898 02 46.10.61.2 46.10.61.2		CG-- PF 0371263 03 46.10.21.2 46.10.21.2 46.10.21.2	
3		WL-- PF 0371898 02 46.10.61.2 46.10.61.2		CO-- PF 0371273 04 46.10.21.2 46.10.21.2 46.10.21.2	
4		WL-- PF 0371898 02 46.10.61.2 46.10.61.2		CHWW PF 0371252 03 46.10.21.2 46.10.21.2	
5		WL-- PF 0371898 02 46.10.61.2 46.10.61.2		JLVB PF 0371077 04 46.10.21.2 46.10.21.2 46.10.21.2	
6		WL-- PF 0371898 02 46.10.61.2 46.10.61.2		CG-- PF 0371263 03 46.10.21.2 46.10.31.2 46.10.31.2	
7		CR-- PF 0371276 04 46.10.61.2 46.10.61.2 46.10.61.2		JLVB PF 0371077 04 46.10.31.2 46.10.31.2 46.10.31.2	
8		CR-- PF 0371276 04 46.10.61.2 46.10.61.2 46.10.61.2		CHWW PF 0371252 03 46.10.21.2 46.10.31.2 46.10.31.2	
9		CR-- PF 0371276 04 46.10.61.2 46.10.61.2 46.10.61.2		CO-- PF 0371273 04 46.10.61.2 46.10.31.2 46.10.31.2	
10		FP-- PF 0371453 04 46.10.91.2 46.10.91.2 46.10.91.2		CGVV PF 0371262 03 46.10.61.2 46.10.31.2 46.10.31.2	
11		HN-- PF 0371463 02 46.10.51.2 46.10.51.2		CHWW PF 0371252 03 46.10.31.2 46.10.31.2 46.10.41.2	
12		HN-- PF 0371463 02 46.10.51.2 46.10.51.2		JLVB PF 0371077 04 46.10.31.2 46.10.31.2 46.10.31.2	
13		FP-- PF 0371453 04 46.10.91.2 46.10.91.2 46.10.91.2		JLVB PF 0371077 04 46.10.41.2 46.10.41.2 46.10.41.2	
14		HN-- PF 0371463 02 46.10.51.2 46.10.51.2		CO-- PF 0371273 04 46.10.41.2 46.10.41.2 46.10.41.2	

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	A	B	REMARKS C	D	E	F
15	FW-- PF 0371498 02 46.10.71.2 46.10.71.2		HN-- PF 0371463 02 46.10.51.2 46.10.51.2		CHWU PF 0371252 03 46.10.41.2 46.10.41.2	
16	FW-- PF 0371499 02 46.10.71.2 46.10.71.2		FP-- PF 0371453 04 46.10.91.2 46.10.91.2 46.10.91.2		JLVB PF 0371077 04 46.10.41.2 46.10.41.2 46.10.41.2 46.10.41.2	
17	FW-- PF 0371490 02 46.10.71.2 46.10.71.2		HN-- PF 0371463 02 46.10.51.2 46.10.51.2		CRZV PF 0371276 04 46.10.41.2 46.10.41.2 46.10.41.2 46.10.41.2	
18	FW-- PF 0371490 02 46.10.71.2 46.10.71.2		MN-- PF 0371463 02 46.10.51.2		CPWT PF 0371259 06 46.10.21.2 46.10.21.2 46.10.21.2 46.10.21.2	
19	FW-- PF 0371490 02 46.10.71.2 46.10.71.2		FP-- PF 0371453 04 46.10.91.2 46.10.91.2 46.10.91.2		CPWT PF 0371259 06 46.10.31.2 46.10.31.2 46.10.31.2 46.10.31.2	
20	FW-- PF 0371490 02 46.10.81.2 46.10.81.2		HN-- PF 0371463 02 46.10.91.2 46.10.91.2		6J-- PF 0371501 01 46.10.21.2	
21	FW-- PF 0371490 02 46.10.81.2 46.10.81.2		HN-- PF 0371463 02 46.10.91.2 46.10.91.2	JJVP PF 0371587 04 46.10.41.2 46.10.91.2 46.10.91.2		
22	FW-- PF 0371490 02 46.10.81.2 46.10.81.2		LOZT PF 0371272 04 46.10.61.2	G1-- PF 0371501 01 46.10.21.2	JMVB PF 0371079 04 46.10.61.2	
23	FW-- PF 0371490 02 46.10.81.2 46.10.81.2		PP-- PF 0371365 04 46.10.61.2 46.10.41.2	PQ-- PF 0371370 04 46.10.41.2 46.10.41.2 46.10.91.2 46.10.91.2		
24	FW-- PF 0371490 02 46.10.81.2 46.10.81.2					
25	FW-- PF 0371490 02 46.10.91.2 46.10.91.2					
26	FW-- PF 0371490 02 46.10.91.2 46.10.91.2					

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			14			CLVO STL 0371255 03 74.80.30.2 74.80.31.2 74.80.30.2 74.80.30.2 A
			15			CLVO STL 0371255 03 74.80.31.2 74.80.26.2 74.80.31.2 74.80.30.2 74.80.31.2
			16			NGTF STL 0371595 04 74.80.20.2
			17			B C D PF-- STL 0371355 04 74.80.20.2 74.80.20.2
<i>CGP</i> STL 0371205 02 74.80.30.2 74.80.31.2 74.80.31.2		ADF STL 0371375 74.80.31.2 74.80.31.2	18			C D MB-- STL 0371591 01 74.80.20.2
<i>CG</i> STL 0371289 03 74.80.30.2 74.80.31.2 74.80.31.2		ADF STL 0371375 74.80.31.2 74.80.31.2	19			CNWT STL 0371260 05 74.80.20.2 74.80.20.2
<i>CG</i> STL 0371289 03 74.80.30.2 74.80.30.2 74.80.30.2		ADF STL 0371375 74.80.30.2 74.80.30.2	20			F C D E IMVB STL 0371079 04 74.80.20.2 74.80.20.2 74.80.20.2
<i>CNWT</i> STL 0371250 04 74.80.21.2 74.80.21.2 74.80.21.2 74.80.21.2		ADF STL 0371375 74.80.30.2 74.80.36.2	21	<i>WIP</i>		B CRZV STL 0371274 04 74.80.20.2 74.80.20.2 74.80.20.2
<i>IMVB</i> STL 0371079 04 74.80.21.2 74.80.21.2 74.80.21.2 74.80.21.2		<i>GI</i> STL 0371501 01 74.80.20.2	22	<i>GI</i>		C CIYC STL 0371071 02 74.80.20.2 74.80.20.2
<i>CEH</i> STL 0370189 02 74.80.30.2 74.80.30.2		A CEH STL 0370189 02 74.80.31.2 74.80.31.2	23	<i>PQ</i>		CQZT STL 0371272 04 74.80.20.2 74.80.20.2
<i>CEH</i> STL 0370189 02 74.80.30.2 74.80.30.2		<i>CEH</i> STL 0370189 02 74.80.31.2 74.80.31.2	24			B C MB-- STL 0371591 01 74.80.20.2
<i>CIYC</i> STL 0371071 02 74.80.30.2 74.80.30.2		<i>CIYC</i> STL 0371071 02 74.80.31.2 74.80.31.2	25			
<i>CIYC</i> STL 0371071 02 74.80.30.2 74.80.30.2		<i>CIYC</i> STL 0371071 02 74.80.31.2 74.80.31.2	26			

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A	B	C	D	E	F
CHVF PF 037126 03 46.37.21.2	CHVF PF 037126 03 46.37.21.2	UNDEFIN # 46.37.21.2	UNDEFIN # 46.37.21.2	UNDEFIN # 46.37.21.2	CHVF CF 037126 03 46.37.21.2
JHVB PF 037126 03 46.37.21.2	JHVB PF 037126 03 46.37.21.2	UNDEFIN # 46.37.21.2	UNDEFIN # 46.37.21.2	UNDEFIN # 46.37.21.2	CJVF DS 037126 03 46.37.21.2
CHVV PF 037126 03 46.37.21.2	JGVV PF 037158 03 46.37.21.2	UNDEFIN # 46.37.21.2	UNDEFIN # 46.37.21.2	UNDEFIN # 46.37.21.2	COZV DS 037127 04 46.37.21.2
CHVV PF 037126 03 46.37.21.2	JGVV PF 037158 03 46.37.21.2	JHVB PF 037127 04 46.37.21.2	JGVV PF 037158 03 46.37.21.2	JG PF 037158 03 46.37.21.2	CJVF DS 037126 03 46.37.21.2
CHVF PF 037126 03 46.37.21.2	CPVF PF 037126 03 46.37.21.2	COZV PF 037127 04 46.37.21.2	COZV PF 037127 04 46.37.21.2	COZV PF 037127 04 46.37.21.2	CHVV DS 037126 03 46.37.21.2
CHVF PF 037126 03 46.37.21.2	JHVP PF 037158 03 46.37.21.2	COZV PF 037127 04 46.37.21.2	COZV PF 037127 04 46.37.21.2	COZV PF 037127 04 46.37.21.2	CJVF DS 037126 03 46.37.21.2
FT PF 037126 03 46.37.21.2	CM PF 037126 03 46.37.21.2	CW PF 037153 01 46.37.61.2	CW PF 037153 01 46.37.61.2	CW PF 037153 01 46.37.61.2	CHVV DS 037126 03 46.37.21.2
AM PF 037126 03 46.37.21.2	NU PF 037158 03 46.37.21.2	CW PF 037153 01 46.37.61.2	CW PF 037153 01 46.37.61.2	CW PF 037153 01 46.37.61.2	CO DS 037127 04 46.37.21.2
JGVV PF 037158 03 46.37.21.2	JHVP PF 037158 03 46.37.21.2	CW PF 037153 01 46.37.61.2	CW PF 037153 01 46.37.61.2	CW PF 037153 01 46.37.61.2	NGTF DS 037163 05 46.37.21.2
CW PF 037153 01 46.37.21.2	JG PF 037158 03 46.37.21.2	CW PF 037153 01 46.37.61.2	CW PF 037153 01 46.37.61.2	CW PF 037153 01 46.37.61.2	CO DS 037127 04 46.37.21.2
CW PF 037153 01 46.37.21.2	JG PF 037158 03 46.37.21.2	CW PF 037153 01 46.37.61.2	CW PF 037153 01 46.37.61.2	CW PF 037153 01 46.37.61.2	NGTF DS 037163 05 46.37.21.2
CW PF 037153 01 46.37.21.2	JHVP PF 037158 03 46.37.21.2	CW PF 037153 01 46.37.61.2	CW PF 037153 01 46.37.61.2	CW PF 037153 01 46.37.61.2	COZV DS 037127 04 46.37.21.2
CW PF 037153 01 46.37.21.2	JHVP PF 037158 03 46.37.21.2	CW PF 037153 01 46.37.61.2	CW PF 037153 01 46.37.61.2	CW PF 037153 01 46.37.61.2	NGTF DS 037163 05 46.37.21.2
CW PF 037153 01 46.37.21.2	JHVV PF 037158 03 46.37.21.2	CW PF 037153 01 46.37.61.2	COZV PF 037127 04 46.37.21.2	CRZV PF 037127 04 46.37.21.2	CHVV DS 037126 03 46.37.21.2

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	A	B	C	D	E	F
15	JGVV PF 0371582 03 46.37.51.2 UNDEFIN *	JHVV PF 0371584 03 46.37.51.2 UNDEFIN *	CH-- PF 0371534 01 46.37.51.2	JJVV PF 0371587 03 46.37.51.2 UNDEFIN *	JHVB PF 0371079 03 46.37.71.2 UNDEFIN *	UNDEFIN * 46.36.21.2
16	CLVR PF 0371075 04 46.37.31.2	JGVV PF 0371581 03 46.37.51.2 UNDEFIN *	CH-- PF 0371534 01 46.37.51.2	JGVV PF 0371588 03 46.37.51.2 UNDEFIN *	CH-- PF 0371534 01 46.37.71.2	CH-- DS 0371534 01 46.51.51.2
17	UNDEFIN * 46.36.21.2	CJVF PF 0371268 03 46.37.41.2 UNDEFIN *	CGVV PF 0371261 03 46.37.51.2 UNDEFIN *	COZV PF 0371271 04 46.37.51.2 UNDEFIN *	PO-- PF 0371370 04 46.37.71.2 UNDEFIN *	CO-- DS 0371273 04 46.51.51.2 UNDEFIN *
18	CGVV PF 0371261 03 46.37.41.2 UNDEFIN *	CGVV PF 0371261 03 46.37.41.2 UNDEFIN *	CGVV PF 0371261 03 46.37.51.2 UNDEFIN *	COZT PF 0371272 04 46.37.51.2 UNDEFIN *	CGVV PF 0371262 03 46.37.71.2 UNDEFIN *	OC-- DS 0371633 02 46.51.81.2 UNDEFIN *
19	CGVV PF 0371262 03 46.37.41.2 UNDEFIN *	CJVF PF 0371268 02 46.37.41.2 UNDEFIN *	CGVV PF 0371262 03 46.37.51.2 UNDEFIN *	COZV PF 0371271 04 46.37.51.2 UNDEFIN *	JH-- PF 0371566 02 46.37.61.2 UNDEFIN *	CJVF DS 0371268 02 46.51.31.2 UNDEFIN *
20	UNDEFIN * 46.36.21.2	UNDEFIN * 46.36.21.2	UNDEFIN * 46.36.21.2	UNDEFIN * 46.36.21.2	CJVF DS 0371268 02 46.51.31.2 UNDEFIN *	CJVF DS 0371268 02 46.51.31.2 UNDEFIN *
21	UNDEFIN * 46.36.21.2	UNDEFIN * 46.36.21.2	UNDEFIN * 46.36.21.2	UNDEFIN * 46.36.21.2	COZV DS 0371271 04 46.51.51.2 UNDEFIN *	COZV DS 0371271 04 46.51.51.2 UNDEFIN *
22	UNDEFIN * 46.36.21.2	UNDEFIN * 46.36.21.2	UNDEFIN * 46.36.21.2	UNDEFIN * 46.36.21.2	CHVV DS 0371252 03 46.51.21.2 UNDEFIN *	CHVV DS 0371252 03 46.51.21.2 UNDEFIN *
23	UNDEFIN * 46.36.21.2	UNDEFIN * 46.36.21.2	UNDEFIN * 46.36.21.2	UNDEFIN * 46.36.21.2	CHVV DS 0371252 03 46.51.21.2 UNDEFIN *	CHVV DS 0371252 03 46.51.21.2 UNDEFIN *
24	CONN UNDEFIN * 46.36.21.2	CONN UNDEFIN * 46.36.21.2	CONN UNDEFIN * 46.36.21.2	CONN UNDEFIN * 46.36.21.2	CONN UNDEFIN * 46.36.21.2	CONN UNDEFIN * 46.36.21.2
25	CONN UNDEFIN * 46.36.21.2	CONN UNDEFIN * 46.36.21.2	CONN UNDEFIN * 46.36.21.2	CONN UNDEFIN * 46.36.21.2	CONN UNDEFIN * 46.36.21.2	CONN UNDEFIN * 46.36.21.2
26	CONN UNDEFIN * 46.36.21.2	CONN UNDEFIN * 46.36.21.2	CONN UNDEFIN * 46.36.21.2	CONN UNDEFIN * 46.36.21.2	CONN UNDEFIN * 46.36.21.2	CONN UNDEFIN * 46.36.21.2

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	A	B	C	D	E	F
1	CNWT PF 0371268 04 36.31.01.2 36.31.01.2 36.31.01.2 36.31.01.2 36.37.21.2	JH PF 0371586 02 36.31.31.2 36.31.61.2	CJWF PF 0371268 02 36.31.51.2 36.31.61.2	CLVR PF 0371075 04 36.37.11.2 36.34.51.2 36.33.11.2 36.34.41.2	CJYC PF 0371071 02 36.31.61.2 36.35.11.2	CW PF 0371534 01 36.35.11.2
2	COZV PF 0371271 04 36.31.51.2 36.35.11.2 36.31.01.2 36.31.51.2	JH PF 0371586 02 36.31.41.2 36.31.31.2	CLVR PF 0371075 04 36.37.11.2 36.31.31.2 36.31.51.2	CJWV PF 0371253 02 36.37.11.2 36.37.11.2	CLVR PF 0371075 04 36.37.11.2 36.35.11.2 36.35.11.2	CW PF 0371534 01 36.35.11.2
3	KA PF 0371546 04 36.35.21.2 36.37.11.2 36.37.11.2 36.37.21.2	JGVV PF 0371582 03 36.31.51.2 36.31.31.2 36.31.01.2	CJVV PF 0371267 02 36.31.51.2 36.31.51.2	CNWU PF 0371258 06 36.37.11.2 36.37.21.2 36.31.51.2	JLVB PF 0371077 04 36.33.11.2 36.37.11.2 36.31.31.2 36.37.21.2	CW PF 0371534 01 36.35.11.2
4	NB PF 0371591 01 36.31.31.2	CW PF 0371534 01 36.31.51.2	JJVN PF 0371588 04 36.31.51.2 36.31.51.2 36.31.51.2	JZ PF 0371082 01 36.37.11.2	CLVR OV 0371075 04 36.31.61.2 36.31.41.2 36.34.41.2	CW PF 0371534 01 36.35.11.2
5	NC PF 0371592 01 36.31.11.2	CW PF 0371534 01 36.31.51.2	COYS PF 0371278 04 36.31.71.2 36.31.11.2 36.31.71.2 36.31.31.2	3JMX PF 0370147 02 36.37.11.2 36.33.21.2	JHWV PF 0371584 02 36.31.71.2 36.35.11.2	CW PF 0371534 01 36.35.11.2
6	COZV PF 0371271 04 36.31.01.2 36.31.11.2 36.31.31.2 36.31.51.2	JHWV PF 0371584 02 36.34.21.2	CRZV PF 0371274 04 36.31.41.2 36.31.71.2 36.31.31.2 36.31.51.2	2JMX PF 0370144 02 36.33.11.2 36.33.11.2	CHWW PF 0371252 03 36.33.11.2 36.33.11.2 36.33.11.2	CW PF 0371534 01 36.35.11.2
7	CRZV PF 0371274 04 36.31.01.2 36.31.01.2 36.31.01.2 36.31.41.2	CLVR PF 0371075 04 36.31.51.2 36.31.51.2 36.31.51.2	CRZT PF 0371275 04 36.31.51.2 36.31.51.2 36.31.51.2	2JMX PF 0370144 02 36.33.11.2 36.33.11.2	CJWV PF 0371253 02 36.37.11.2 36.37.11.2	CJWF PF 0371268 02 36.37.21.2 36.37.21.2
8	JLVB PF 0371077 04 36.31.01.2 36.31.11.2 36.33.21.2 36.35.21.2	CJVV PF 0371267 02 36.31.31.2 36.31.41.2	CJWF PF 0371268 02 36.31.71.2 36.31.71.2	JMVB PF 0371079 04 36.33.11.2 36.33.11.2 36.33.11.2	CGWV PF 0371251 03 36.31.31.2 36.34.11.2 36.37.21.2	C6 PF 0371263 03 36.31.61.2 36.31.51.2 36.31.61.2
9	CW PF 0371534 01 36.31.01.2	CW PF 0371534 01 36.31.31.2	CHWW PF 0371264 03 36.31.51.2 36.35.21.2 36.31.31.2	CKVU PF 0371269 02 36.33.11.2 36.37.11.2	CW PF 0371534 01 36.34.11.2	CGWV PF 0371251 03 36.37.21.2 36.34.41.2 36.31.51.2
10	CW PF 0371534 01 36.31.11.2	CW PF 0371534 01 36.31.41.2	CY PF 0371542 02 36.31.01.2 36.35.21.2	JZ PF 0371082 01 36.31.51.2	CW PF 0371534 01 36.34.11.2	2JMX PF 0370144 02 36.34.21.2 36.37.21.2
11	CW PF 0371534 01 36.31.11.2	CW PF 0371534 01 36.31.41.2	CNWU PF 0371258 06 36.31.51.2 36.33.21.2 36.35.11.2	JFVP PF 0371576 04 36.33.11.2 36.33.21.2 36.34.11.2	CW PF 0371534 01 36.34.11.2	CY PF 0371542 02 36.34.21.2 36.34.21.2
12	GJ PF 0371501 01 36.01.11.2	CW PF 0371534 01 36.31.41.2	CRZV PF 0371274 04 36.35.11.2 36.35.11.2 36.34.21.2 36.35.21.2	CRYG NU 0371277 04 36.34.01.2 36.34.61.2 36.34.61.2 36.34.51.2	PP NU 0371365 04 36.34.31.2 36.34.31.2 36.34.31.2	GJ PF 0371501 01 36.01.11.2
13	CW PF 0371534 01 36.31.21.2	CPWT PF 0371259 06 36.31.41.2 36.31.41.2 36.31.51.2	JGVV PF 0371582 03 36.33.11.2 36.01.11.2	CH NU 0371266 03 36.34.51.2 36.34.51.2	CJYC NU 0371071 02 36.34.51.2 36.34.51.2	CW PF 0371534 01 36.34.31.2
14	CW PF 0371534 01 36.31.21.2	CY PF 0371542 02 36.31.41.2 36.31.41.2	CNWT PF 0371260 06 36.31.61.2 36.31.71.2 36.31.71.2 36.35.21.2	2JMX NU 0370144 02 36.34.51.2 36.34.51.2	JN PF 0371081 02 36.34.31.2 36.34.31.2	JZ PF 0371082 01 36.34.31.2

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★ "CM" VB
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	A	B	C	D	E	F
15	CW— PF 0371534 01 36.31.21.2	CSVV PF 0371262 03 36.31.41.2 36.31.41.2 36.31.11.2	3JMX PF 0370141 02 36.33.21.2 36.33.21.2	JMVB NU 0371079 04 36.34.51.2 36.34.51.2 36.34.61.2 36.34.61.2	JN— PF 0371081 02 36.34.31.2 36.34.31.2	JZ— PF 0371082 01 36.34.31.2
	A					
16	CW— PF 0371534 01 36.35.21.2	CNWT PF 0371260 06 36.37.11.2 36.33.21.2 36.31.01.2 36.37.21.2	3JMX PF 0370141 02 36.33.21.2 36.33.21.2	CJVV NU 0371267 02 36.34.51.2 36.34.41.2	JN— PF 0371081 02 36.34.31.2	JZ— PF 0371082 01 36.34.31.2
	A	E F	E		A	
17	CW— PF 0371534 01 36.35.21.2	CJWF PF 0371268 02 36.31.61.2 36.31.61.2	3JMX PF 0370141 02 36.33.21.2 36.37.11.2	2JMX NU 0370144 02 36.34.61.2 36.34.61.2	CJVV PF 0371267 02 36.34.41.2 36.34.41.2	CW— PF 0371534 01 36.34.31.2
	A					A
18	JMVB PF 0371079 04 36.31.31.2 36.31.11.2 36.31.31.2 36.31.11.2	CLVR PF 0371075 04 36.31.61.2 36.31.11.2 36.33.21.2	JHVV PF 0371584 02 36.33.21.2 36.35.11.2	CJVV NU 0371267 02 36.34.41.2 36.34.41.2	CJVV PF 0371267 02 36.34.41.2 36.34.41.2	CW— PF 0371534 01 36.34.31.2
						A
19	COZV PF 0371271 04 36.35.21.2 36.35.21.2 36.33.21.2 36.31.51.2	CJWF PF 0371268 02 36.31.61.2 36.31.61.2	CLVR PF 0371075 04 36.31.61.2 36.31.71.2 36.01.11.2	CRZT NU 0371275 04 36.31.01.2 36.35.11.2 36.35.11.2 36.34.61.2	4JMX PF 0370142 02 36.34.21.2 36.37.21.2	JMVB PF 0371079 04 36.37.11.2 36.37.21.2 36.37.21.2 36.33.11.2
20	CRZT PF 0371275 04 36.35.21.2 36.35.21.2 36.35.21.2 36.35.21.2	CKVV PF 0371269 02 36.31.61.2 36.31.61.2	CW— 168 0371534 01 36.33.21.2	COZT PF 0371272 04 36.31.01.2 36.31.01.2 36.31.01.2 36.31.61.2	JH— PF 0371586 02 36.31.31.2 36.31.31.2	CLVR PF 0371075 04 36.31.31.2 36.31.71.2 36.31.61.2 36.01.11.2
			A			
21	CO— PF 0371273 04 36.35.21.2 36.35.21.2 36.35.21.2 36.37.11.2	CJVV PF 0371267 02 36.34.41.2 36.31.11.2	USED 0371534 01 36.01.11.2	USED 0371272 04 36.01.11.2	JMVB PF 0371079 04 36.34.61.2 36.33.11.2 36.31.61.2	CW— PF 0371534 01 36.01.11.2
			A	A	A	A
22	NGTF PF 0371635 04 36.31.01.2 36.35.21.2 36.31.01.2	CSVV PF 0371262 03 36.35.21.2 36.35.21.2 36.35.21.2	CO— PF 0371273 04 36.01.11.2 36.31.51.2	CW— XSS 0371534 01 36.31.71.2	COZV PF 0371271 04 36.01.11.2 36.35.21.2 36.01.11.2	CKWF PF 0371270 02 36.01.11.2 36.01.11.2
	D		A C D	A		
23	NT— PF 0371671 01 36.31.01.2	CKVV PF 0371269 02 36.31.61.2 36.37.11.2	USED R-S 0371534 01 36.01.11.2	CKYC XSS 0371072 02 36.31.71.2		Revised in place
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DATE 12.11.68
TA 604A.

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Revised in place

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	A	B	C	D	E	F
1	CLVR BA 0371075 04 32.45.11.2 32.45.11.2 32.45.11.2	CLVO BA 0371255 03 32.44.31.2 32.44.31.2	JMVB BA 0371079 04 32.42.11.2 32.42.11.2 32.42.11.2	CH BA 0371266 03 32.42.11.2 32.42.11.2	4JMX 8M 0370142 02 42.62.01.2 42.62.02.2	3JMX BA 0370141 02 32.43.11.2 32.43.11.2
2		CLVR 12K 0371075 04 32.44.41.2 42.62.01.2 42.62.01.2	JLVB BA 0371077 04 32.42.11.2 32.42.31.2 32.42.31.2	2JMX BA 0370144 02 32.42.11.2 32.42.31.2	CEE- 8M 0370140 01 42.62.01.2 42.62.01.2	CEE- BA 0370140 01 32.43.21.2 32.43.21.2
3	CRZT BKR 0371275 04 32.43.51.2 32.43.51.2	JMVB 8M 0371079 04 32.42.01.2 32.43.51.2	CRY6 BA 0371277 04 32.42.11.2 32.44.51.2	COZV BA 0371271 04 32.45.31.2 32.44.31.2	CLVR 8M 0371075 04 42.62.01.2 42.62.01.2	CEE- BA 0370140 01 32.43.21.2 32.43.21.2
4	CGVV 8KR 0371261 03 32.43.51.2 32.43.51.2	CJYC BA 0371071 02 32.45.31.2 32.42.11.2	PO- BA 0371370 04 32.42.11.2 32.42.21.2 32.42.21.2	CKYC BA 0371072 02 32.42.11.2 32.42.31.2	CEE- 8M 0370140 01 42.62.01.2 42.62.01.2	CJVV BA 0371267 02 32.43.21.2 32.44.51.2
5	CLVR CH 0371075 04 32.42.11.2	4JMX BA 0370142 02 32.45.11.2	CLVV BA 0371264 03 32.42.21.2 32.42.21.2	CJYC BA 0371071 02 32.45.31.2 32.44.31.2	CEE- 8M 0370140 01 42.62.01.2 42.62.01.2	1JMX BA 0370141 02 32.43.21.2 32.43.71.2
6	CLVR 8K 0371075 04 42.62.02.2 42.62.02.2	CKWF BA 0371270 02 32.42.21.2 32.42.21.2	CJYC BA 0371071 02 32.42.11.2 32.42.41.2	CEE- 8M 0370140 01 42.62.02.2 42.62.02.2	CEE- BA 0370140 01 32.43.31.2 32.43.31.2	
7	CGVV BA 0371261 03 32.43.11.2 32.45.11.2 32.45.31.2	CKVV BA 0371269 03 32.42.21.2 32.42.21.2	CLVT BA 0371073 04 32.43.41.2 32.42.41.2 32.43.41.2 32.42.21.2	CEE- 8M 0370140 01 42.62.02.2 42.62.02.2	CEE- BA 0370140 01 32.43.31.2 32.43.31.2	
8	CLVR BA 0371075 04 56.80.11.2 32.45.31.2 56.80.11.2	PP- BA 0371365 04 32.42.21.2 32.42.31.2 32.45.21.2	CLVS BA 0371074 03 32.42.41.2 32.44.31.2 32.42.41.2	CLWF 8M 0371268 02 42.62.02.2 42.62.02.2	CEE- BA 0370140 01 32.43.31.2 32.43.31.2	
9	3JMX BA 0370141 02 32.45.21.2 32.45.21.2	2JMX BA 0370144 02 32.42.31.2 32.45.21.2	CLVO BA 0371255 03 32.43.31.2 32.42.41.2 32.43.21.2	CJWF 12M 0371268 02 42.62.02.2	CGVV BA 0371251 03 32.43.31.2 32.43.61.2 32.43.71.2	
10	3JMX BA 0370141 02 32.45.21.2 32.45.21.2	PO- BA 0371370 04 56.80.11.2	CLVR BA 0371075 04 32.42.11.2 32.42.31.2 32.42.11.2	CLVR 12M 0371075 04 42.62.03.2 42.62.03.2	CEE- BA 0370140 01 32.43.41.2 32.43.41.2	
11	CGVV BA 0371261 03 32.42.11.2 32.45.21.2 32.45.21.2	CRZV BA 0371274 04 32.42.41.2 32.44.51.2 32.44.51.2	CLVR BA 0371075 04 32.43.51.2 32.43.51.2 32.43.51.2	CLVR 12M 0371075 04 42.62.03.2 42.62.03.2	CEE- BA 0370140 01 32.43.41.2 32.43.41.2	
12	4JMX BA 0370142 02 32.45.21.2 32.45.41.2	CKYC 1K 0371072 02 32.42.41.2	CLVR BA 0371075 04 32.43.61.2 32.43.61.2 32.43.61.2	CEE- 12M 0370140 01 42.62.03.2 42.62.03.2	4JMX BA 0370142 02 32.43.61.2 32.43.61.2	
13	JMVB BA 0371079 04 32.45.11.2 32.45.31.2 32.45.21.2 32.45.11.2	JMVB 1K28 0371079 04 32.42.41.2	CLVR BA 0371075 04 32.45.31.2 32.43.61.2 32.44.11.2	CEE- 12M 0370140 01 42.62.03.2 42.62.03.2	CEE- BA 0370140 01 32.43.51.2 32.43.51.2	
14	CRZV BA 0371274 04 32.45.11.2 32.45.31.2 32.45.31.2	CJWF 4M 0371268 02 32.44.31.2 32.44.31.2	CLVR BA 0371075 04 32.44.11.2 32.44.11.2 32.44.21.2	CEE- 12M 0370140 01 42.62.03.2 42.62.03.2	CEE- BA 0370140 01 32.43.51.2 32.43.51.2	

DATE 25.3.63
TA 1795

*Changes
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	A	B	C	D	E	F
15		CSUB BA 037125 04 32.44.51.2	CLVF BA 037126 02 32.44.51.2	CLVS BA 037127 04 32.44.51.2	CLVX BA 037128 02 32.44.51.2	CLVY BA 037129 04 32.44.51.2
16		CLVR BK2K 037107 04 32.44.51.2	COZY BA 037127 04 32.44.51.2	CO-- BK2K 037128 04 32.44.51.2	CLVR BK 037107 04 32.44.51.2	CEE-- BA 037018 01 32.44.51.2
17		CRZY FCF 037127 04 32.44.51.2	CRZY BA 037127 04 32.44.51.2	CRZT BA 037127 04 32.44.51.2	CKWF BK 037128 04 32.44.51.2	CLVF 12M 037126 02 32.44.51.2
18		CRVU FCF 037126 02 32.44.51.2	CGWV BA 037125 04 32.44.51.2	CKWF BA 037128 04 32.44.51.2	JFVP BA 037157 04 32.44.51.2	CO-- BK2K 037128 04 32.44.51.2
19		CJVC FCF 037107 04 32.44.51.2	CJMK BA 037014 02 32.44.51.2	CKWF 124K 037127 04 32.44.51.2	CJWF 12K 037126 02 32.44.51.2	CJWF BK 037126 02 32.44.51.2
20		CHVB FCF 037126 02 32.44.51.2	CJMK BA 037014 02 32.44.51.2	CHNV BA 037125 04 32.44.51.2	CLVR BA 037107 04 32.44.51.2	CLVC BA 037107 04 32.44.51.2
21		CGWV FCF 037126 02 32.44.51.2	CKYC BA 037107 02 32.44.51.2	CLVR BA 037107 04 32.44.51.2	CLVR 16K 037107 04 32.44.51.2	CLVF BA 037126 02 32.44.51.2
22		COZY FCF 037127 04 32.44.51.2	CKYC 12K 037107 02 32.44.51.2	CKWF BA 037127 04 32.44.51.2	PP-- BA 037136 04 32.44.51.2	CEE-- BA 037018 01 32.44.51.2
23		COYS FCF 037127 04 32.44.51.2	CLVR BA 037107 04 32.44.51.2	CLVA BA 037154 04 32.44.51.2	PP-- BA 037136 04 32.44.51.2	CEE-- BA 037018 01 32.44.51.2
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REMARKS		REMARKS		REMARKS	
A	B	C	D	E	F
CONN NO CARD 01 35.20.21.2	CONN NO CARD 01 35.20.21.2	CONN NO CARD 01 35.20.21.2	CONN NO CARD 01 35.20.21.2	CONN NO CARD 01 35.20.21.2	CONN NO CARD 01 35.20.21.2
A	A	A	A	A	A
CONN NO CARD 01 35.20.21.2	CONN NO CARD 01 35.20.21.2	CONN NO CARD 01 35.20.21.2	CONN NO CARD 01 35.20.21.2	CONN NO CARD 01 35.20.21.2	CONN NO CARD 01 35.20.21.2
A	A	A	A	A	A
CONN NO CARD 01 35.20.21.2	CONN NO CARD 01 35.20.21.2	CONN NO CARD 01 35.20.21.2	CONN NO CARD 01 35.20.21.2	CONN NO CARD 01 35.20.21.2	CONN NO CARD 01 35.20.21.2
A	A	A	A	A	A
KA-BA 0371546 04 35.29.11.2 35.29.11.2 35.29.11.2 35.29.11.2	KA-BA 0371546 04 35.29.11.2 35.29.11.2 35.29.11.2 35.29.11.2	KA-BA 0371546 04 35.29.11.2 35.29.11.2 35.29.11.2 35.29.11.2	NGTF-BA 0371635 04 35.29.11.2 36.41.11.2 36.41.11.2 36.41.11.2	NGTF-BA 0371635 04 35.29.11.2 36.41.11.2 36.41.11.2 36.41.11.2	CKYC-BA 0371072 02 36.48.21.2 36.48.21.2 36.48.21.2 36.48.21.2
CRZV-BA 0371274 04 35.23.11.2 35.23.11.2 35.23.11.2 35.23.11.2	CRZV-BA 0371274 04 35.23.11.2 35.23.11.2 35.23.11.2 35.23.11.2	CRZV-BA 0371274 04 35.23.11.2 35.23.11.2 35.23.11.2 35.23.11.2	NGTF-BA 0371635 04 35.23.11.2 36.41.21.2 36.41.21.2 36.41.21.2	NGTF-BA 0371635 04 35.23.11.2 36.41.21.2 36.43.34.2 36.43.34.2	KA-BA 0371546 04 36.48.31.2 36.48.31.2 36.48.31.2 36.48.31.2
CRZV-BA 0371274 04 35.23.11.2 35.23.11.2 35.23.11.2 35.23.11.2	CLVO-BA 0371255 03 35.28.31.2 35.28.31.2 35.28.31.2 35.28.31.2	CLVO-BA 0371255 03 35.28.31.2 35.28.31.2 35.28.31.2 35.28.31.2	CPWT-BA 0371255 06 36.41.21.2 36.41.21.2 36.41.21.2 36.43.11.2	CY-BA 0371542 02 36.43.21.2 36.43.21.2 36.43.21.2 36.43.21.2	JLVB-BA 0371077 04 44.62.02.2 36.47.11.2 36.43.21.2 36.41.11.2
CLVO-BA 0371255 03 35.28.31.2 35.28.31.2 35.28.31.2 35.28.31.2	CLVO-BA 0371255 03 35.28.31.2 35.28.31.2 35.28.31.2 35.28.31.2	CLVO-BA 0371255 03 35.28.31.2 35.28.31.2 35.28.31.2 35.28.31.2	COZV-BA 0371271 04 36.43.21.2 36.48.21.2 36.43.21.2 36.43.31.2	COZV-BA 0371271 04 36.43.21.2 36.48.21.2 36.43.21.2 36.43.31.2	NC-BA 0371592 01 36.43.21.2 36.43.21.2 36.43.21.2 36.43.21.2
CLVO-BA 0371255 03 35.28.31.2 35.28.31.2 35.28.31.2 35.28.31.2	CLVO-BA 0371255 03 35.28.31.2 35.28.31.2 35.28.31.2 35.28.31.2	CLVO-BA 0371255 03 35.28.31.2 35.28.31.2 35.28.31.2 35.28.31.2	CGWH-BA 0371251 03 36.43.21.2 36.43.21.2 36.43.21.2 36.48.21.2	CEH-BA 0370139 02 36.44.11.2 36.44.11.2 36.44.11.2 36.44.11.2	GJ-BA 0371501 01 35.22.11.2 35.22.11.2 35.22.11.2 35.22.11.2
NU-BA 0371676 02 35.26.11.2 35.27.11.2 35.27.11.2 35.27.11.2	COYG-STL 0371278 04 36.46.11.2 36.47.11.2 36.45.11.2 36.46.11.2	CMWT-BA 0371268 06 35.27.11.2 36.48.31.2 36.43.31.2 36.43.31.2	CHVW-BA 0371268 03 36.43.21.2 36.43.21.2 36.43.21.2 36.43.21.2	CEH-BA 0370139 02 36.44.11.2 36.44.11.2 36.44.11.2 36.44.11.2	AAF-BA 0371888 01 36.48.21.2 36.48.21.2 36.48.21.2 36.48.21.2
CMWT-BA 0371268 06 35.22.11.2 35.22.11.2 35.22.11.2 35.22.11.2	CJVD-BA 0371267 02 35.21.11.2 35.21.11.2 35.21.11.2 35.21.11.2	CRZV-BA 0371274 04 36.47.11.2 36.41.11.2 35.21.11.2 36.43.31.2	CPWU-BA 0371257 06 36.43.21.2 36.43.21.2 36.43.21.2 36.48.11.2	CKYC-BA 0371072 02 36.44.11.2 36.45.11.2 36.45.11.2 36.45.11.2	CRZV-BA 0371274 04 36.45.11.2 36.47.11.2 36.47.11.2 36.46.21.2
CY-BA 0371542 02 35.24.11.2 35.24.11.2	CY-BA 0371542 02 35.25.11.2 35.25.11.2	CY-BA 0371542 02 35.26.11.2 35.26.11.2	COZV-BA 0371271 04 36.44.11.2 36.44.11.2 36.44.11.2 36.44.11.2	CHVW-BA 0371252 03 36.43.21.2 36.48.21.2 36.48.11.2 36.48.11.2	COZT-BA 0371272 04 36.48.21.2 36.48.21.2 36.48.21.2 36.48.11.2
CY-BA 0371542 02 35.24.11.2 35.24.11.2	CY-BA 0371542 02 35.25.11.2 35.25.11.2	CY-BA 0371542 02 35.26.11.2 35.26.11.2	CGVH-BA 0371261 03 36.47.11.2 36.47.11.2 36.46.11.2 36.46.11.2	JKVB-BA 0371079 04 36.48.31.2 36.48.31.2 36.43.21.2 36.48.11.2	NC-BA 0371592 01 36.43.21.2 36.43.21.2 36.43.21.2 36.43.21.2
CY-BA 0371542 02 35.24.11.2 35.24.11.2	CY-BA 0371542 02 35.25.11.2 35.25.11.2	CY-BA 0371542 02 35.26.11.2 35.26.11.2	CGVH-BA 0371261 03 36.44.11.2 36.44.11.2 36.44.21.2 36.46.11.2	CKVD-BA 0371269 02 36.44.11.2 36.43.21.2 36.43.21.2 36.43.21.2	JKVH-BA 0370142 02 36.45.11.2 36.45.11.2 36.45.11.2 36.45.11.2
CY-BA 0371542 02 35.24.11.2 35.24.11.2	CY-BA 0371542 02 35.25.11.2 35.25.11.2	CY-BA 0371542 02 35.26.11.2 35.26.11.2	NC-BA 0371592 01 36.48.11.2 36.48.11.2 36.48.11.2 36.48.11.2	COYG-BA 0371278 04 36.46.31.2 36.47.11.2 36.47.11.2 36.41.11.2	JKVH-BA 0370142 02 36.45.11.2 36.45.11.2 36.45.11.2 36.45.11.2

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	A	B	C	D	E	F
15	CKYC BA 0371072 02 35.23.11.2 35.23.11.2	CKYC BA 0371072 02 35.23.21.2 35.23.21.2	CEK- BA 0370143 02 35.21.11.2 35.21.11.2	CO- BA 0371273 04 36.48.21.2 36.48.31.2 36.48.11.2	CRZY BA 0371275 04 36.48.21.2 35.21.11.2 36.48.11.2	GI- BA 0371501 01 35.22.11.2
16	CPWT BA 0371259 06 35.28.11.2 35.28.11.2	CEK- BA 0370143 02 35.21.11.2 35.21.11.2	CEK- BA 0370143 02 35.21.11.2 35.21.11.2	CEH- BA 0370139 02 36.43.11.2 36.43.11.2	CEH- BA 0370139 02 36.43.11.2 36.43.11.2	CH- BA 0371534 01 36.43.21.2
17	CLVT BA 0371073 04 36.42.21.2 36.45.11.2 35.28.11.2	CLVT BA 0371073 04 36.42.11.2 36.42.11.2 35.28.21.2	NC- BA 0371592 01 36.46.21.2	CKYC BA 0371072 02 36.42.11.2	CPWU BA 0371257 06 36.42.11.2 36.42.11.2	JMK BA 0370142 02 36.45.11.2
18	CLVT BA 0371073 04 36.42.11.2 36.42.11.2 35.28.11.2	CLVT BA 0371073 04 36.42.11.2 36.42.11.2 35.28.21.2	CS- BA 0371263 03 35.28.11.2 35.21.11.2	CKYC BA 0371072 02 36.42.21.2	CPWT BA 0371259 06 36.43.11.2 36.47.11.2 36.48.31.2 36.48.51.2	COZY BA 037127 04 36.46.11.2 36.43.21.2 36.46.11.2
19	CGVV BA 0371267 03 35.27.11.2 35.27.11.2	CG- BA 0371263 03 35.21.11.2 35.21.11.2	CG- BA 0371263 03 35.21.11.2 35.21.11.2	JLVB BA 0371077 04 36.43.21.2 36.48.21.2 36.48.21.2	2JMK BA 0370144 02 36.43.31.2 36.43.31.2	2JMK BA 0370144 02 36.46.11.2 36.46.11.2
20	CGWU BA 0371252 03 35.23.11.2 35.22.11.2	CGWU BA 0371252 03 35.23.11.2 36.45.11.2	COZY BA 0371271 04 36.46.11.2 35.21.11.2 35.22.11.2	CJVV BA 0371267 03 36.48.11.2	COZY BA 0371271 04 36.46.21.2 36.43.31.2	CRZY BA 0371275 04 36.48.11.2 36.48.11.2
21	CGWU BA 0371251 03 36.46.11.2	CRZY BA 0371274 04 36.48.11.2 35.21.11.2 35.26.11.2	JHVB BA 0371079 04 36.48.11.2 36.43.31.2	COZY BA 0371271 04 36.46.11.2 36.46.11.2	NC- BA 0371592 01 36.43.31.2	JZ- BA 0371082 01 36.46.21.2
22	CGWU FE 0371251 03 36.70.11.2 36.70.11.2	CMWT BA 0371266 06 35.21.11.2 35.21.11.2	CRZY BA 0371275 04 35.27.11.2 35.21.11.2 36.48.21.2	2JMK BA 0370144 02 36.46.11.2	CMWT BA 0371260 06 36.48.31.2 35.21.11.2 36.43.11.2	JN- BA 0371081 02 36.47.11.2
23	CLVR BA 0371075 04 35.28.21.2 35.28.21.2 36.43.31.2 35.28.14.2	CRZY BA 0371275 04 35.21.11.2 35.28.31.2 35.21.11.2	GJ- BA 0371501 01 35.22.11.2	CLVR BA 0371077 04 36.43.21.2 36.46.21.2 36.47.11.2 36.46.11.2	JZ- BA 0371082 01 36.47.11.2	CU- BA 0371534 01 36.46.21.2
24	CGWU BA 0371251 03 36.46.11.2	CRZY BA 0371274 04 35.26.11.2 35.25.11.2 35.26.11.2 35.27.11.2	JLVB BA 0371077 04 35.21.11.2 36.48.11.2 35.21.11.2 36.46.11.2	2JMK BA 0370144 02 36.48.21.2 35.28.21.2	NC- BA 0371592 01 36.48.21.2	CGWU BA 0371251 03 36.46.21.2 36.46.21.2 36.46.21.2
25	CGWU IN 0371251 03 36.46.11.2 36.46.11.2	CH- BA 0371266 06 36.28.11.2 36.46.11.2	COZY BA 0371272 04 36.47.11.2 36.43.11.2	CGVV BA 0371262 03 36.48.11.2 36.48.11.2 36.48.11.2	COZY DS 0371271 04 46.51.71.2 46.51.71.2	OC- BA 0371633 02 36.48.31.2 36.48.31.2
26	CGWU MD 0371251 03 44.10.91.2 44.10.91.2	CJYC BA 0371071 02 44.02.02.2 44.02.02.2	JHVB BA 0371079 04 36.41.11.2 35.28.11.2 36.48.11.2 36.46.11.2	CLVO STL 0371255 03 36.47.11.2 36.47.11.2 36.46.21.2	COZY DS 0371271 04 46.51.71.2 46.51.71.2	CGVV CF 0371262 03 36.43.31.2 36.48.21.2 36.48.31.2

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REMARKS

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A	B	C	D	E	F	
		4JMX SBA 037014 02 34.95.11.1 34.95.21.1	JFVN SBA 037157 04 34.31.17.2 34.31.17.2 34.06.21.1 34.31.17.2	CKYC SBA 037167 02 34.32.11.2 34.32.11.2	KA-- SBA 037156 04 34.90.01.1 34.90.01.1 34.90.01.1 34.90.01.1	
	CHW SBA 037125 03 34.31.13.2 34.31.13.2 34.31.13.2	JHVB SBA 037107 04 34.90.13.2 34.90.13.2 34.90.13.2	4JMX SBA 037014 02 34.95.11.1 34.95.11.1	JHVV SBA 037158 02 34.32.12.2 34.32.12.2	CKVU SBA 037126 02 34.32.11.2 34.32.11.2	CLVR SBA 037107 04 34.31.16.2 34.31.16.2 34.31.16.2 34.31.16.2
	JF-- SBA 037157 04 34.90.11.1 34.90.11.1 34.90.11.1	CH-- SBA 037126 03 34.90.13.2 34.90.13.2 34.90.13.2	3JMX SBA 037014 02 34.95.11.1 34.95.21.1	JHVV SBA 037158 02 34.32.12.2 34.32.12.2	CLVT SBA 037107 04 34.90.13.2 34.90.13.2 34.90.13.2	CLVC SBA 037107 04 34.90.13.2 34.90.13.2 34.90.13.2
	JHVV SBA 037158 02 34.90.11.1 34.90.11.1	JJVA SBA 037159 04 34.90.11.1 34.90.11.1 34.90.11.1	2JMX SBA 037014 02 34.90.31.1 34.90.31.1	JHVV SBA 037158 02 34.32.12.2 34.32.12.2	J6W SBA 037158 03 34.90.71.1 34.32.12.2	J6-- SBA 037158 03 34.90.11.1 34.90.71.1 34.90.81.1
	JHVV SBA 037158 02 34.90.11.1 34.90.11.1	CLVT SBA 037107 04 34.90.21.1 34.32.11.2 34.32.11.2	2JMX SBA 037014 02 34.90.31.1 34.90.31.1	PO-- SBA 037137 04 34.32.11.2 34.32.11.2 34.32.11.2	PO-- SBA 037137 04 34.90.21.1 34.90.71.1 34.32.11.2 34.90.31.1	JFVP SBA 037157 04 34.33.11.2 34.31.13.2 34.31.17.2
	CHVV SBA 037126 03 34.31.12.2 34.31.12.2 34.31.12.2	CKVU SBA 037126 02 34.31.14.2 34.31.14.2	J2-- SBA 037108 01 34.31.13.2	PO-- SBA 037137 04 34.31.15.2 34.90.21.1 34.31.17.2 34.31.17.2	PP-- SBA 037136 04 34.32.11.2 34.31.13.2 34.90.21.1 34.90.91.1	CKVU SBA 037126 02 34.31.17.2 34.33.11.2
	JFVP SBA 037157 04 34.31.16.2 34.31.16.2 34.31.16.2	J6W SBA 037158 03 34.90.31.1 34.90.31.1 34.90.31.1	PO-- SBA 037137 04 34.90.31.1 34.90.31.1 34.90.31.1	PO-- SBA 037137 04 34.90.71.1 34.90.31.1 34.90.31.1	PP-- SBA 037136 04 34.90.31.1 34.90.31.1 34.90.31.1 34.31.12.2	JLVB SBA 037107 04 34.90.13.2 34.90.13.2 34.90.13.2
	JHVV SBA 037158 02 34.90.11.1 34.90.11.1	JJVA SBA 037159 04 34.90.11.1 34.90.11.1 34.90.11.1	J6W SBA 037158 03 34.95.11.1 34.95.21.1 34.95.11.1	3JMX SBA 037014 02 34.95.21.1 34.95.21.1	CLVT SBA 037107 04 34.90.13.2 34.90.13.2 34.90.13.2	PP-- SBA 037136 04 34.90.13.2 34.90.13.2 34.90.13.2 34.90.13.2
	J6-- SBA 037158 03 34.90.11.1 34.90.11.1 34.90.71.1	CHVV SBA 037126 03 34.90.21.1 34.90.31.1 34.90.31.1	J6W SBA 037158 03 34.95.11.1 34.95.21.1 34.95.21.1	CW-- SBA 037153 01 34.31.13.2	JJVA SBA 037159 04 34.90.91.1 34.90.91.1 34.90.91.1 34.90.91.1	CLVO SBA 037125 04 34.31.16.2 34.31.16.2 34.31.16.2 34.31.16.2

A		D		REMARKS		D		E		F TA1607B	
JJVP SBA 0371587 04 34.90.11.1 34.90.11.1 34.90.51.1 34.31.13.2	JLVB SBA 0371077 04 34.90.21.1 34.90.91.1 34.31.15.2	4JMX SBA 0370142 02 34.31.15.2 34.31.15.2	JF SBA 0371579 04 34.31.15.2 34.31.15.2	CHVV SBA 0371265 03 34.31.15.2 34.90.31.1 34.90.31.1	4JMX SBA 0370142 02 34.31.15.2 34.31.15.2						
CKWF SBA 0371270 02 34.90.91.1 34.90.91.1	2JMX SBA 0370144 02 34.90.31.1 34.33.11.2	CLVR SBA 0371075 04 34.33.11.2 34.31.16.2 34.90.21.1	PP SBA 0371365 04 34.90.91.1 34.90.91.1 34.90.91.1	CHLV SBA 0371252 03 34.32.11.2 34.32.16.2 34.32.16.2	JHVU SBA 0371505 02 34.33.12.2 34.33.12.2						
CKVU SBA 0371269 02 34.90.91.1 34.90.91.1	2JMX SBA 0370144 02 34.90.71.1 34.90.71.1	4JMX SBA 0370142 02 34.31.15.2 34.31.15.2	3JMX SBA 0370141 02 34.95.11.1 34.95.11.1	2JMX SBA 0370144 02 34.32.16.2 34.32.16.2	J6W SBA 0371580 03 34.33.12.2 34.33.12.2						
4JMX SBA 0370142 02 34.90.81.1 34.90.81.1	CHVV SBA 0371264 03 34.90.71.1 34.90.71.1 34.90.51.1	JHVU SBA 0371079 04 34.90.21.1 34.31.15.2	CH SBA 0371534 01 34.31.17.2	PF SBA 0371365 04 34.32.16.2 34.32.16.2 34.90.81.1 34.90.21.1	J6W SBA 0371580 03 34.33.12.2 34.33.12.2						
J6W SBA 0371501 03 34.90.81.1 34.90.11.1	CH SBA 0371266 03 34.90.51.1 34.90.91.1 34.90.51.1	JHVU SBA 0371580 02 34.31.15.2 34.31.15.2	JMVB SBA 0371079 04 34.31.15.2 34.90.71.1	PO SBA 0371370 04 34.90.51.1 34.31.12.2 34.31.12.2	CKVU SBA 0371269 02 34.90.91.1 34.90.91.1						
CKWF SBA 0371270 02 34.90.31.1 34.90.31.1	JJVN SBA 0371588 04 34.90.51.1 34.90.51.1 34.90.91.1	CKHV SBA 0371254 02 34.90.21.1 34.31.11.2	CHLV SBA 0371252 03 34.90.21.1 34.33.11.2 34.90.81.1	CRYG SBA 0371277 04 34.33.16.2 34.33.16.2 34.90.91.1 34.33.11.2	KA SBA 0371546 04 34.90.21.1 34.33.12.2 34.33.12.2						
4JMX SBA 0370142 02 34.90.31.1 34.90.31.1	CHVV SBA 0371264 03 34.90.91.1 34.32.11.2 34.90.91.1	CJYC SBA 0371071 02 34.31.11.2 34.31.13.2	CY SBA 0371542 02 34.31.16.2 34.31.15.2	4JMX SBA 0370142 02 34.32.16.2 34.32.16.2	JLVB SBA 0371077 04 34.33.11.2 34.33.13.2 34.33.13.2						
2JMX SBA 0370144 02 34.90.81.1 34.90.81.1	3JMX SBA 0370141 02 34.95.11.1 34.95.21.1	JH SBA 0371586 02 34.31.16.2 34.31.11.2		4JMX SBA 0370142 02 34.31.15.2 34.31.15.2	CKWF SBA 0371270 02 34.33.12.2 34.33.13.2						
4JMX SBA 0370142 02 34.90.81.1 34.90.81.1	JJVP SBA 0371587 04 34.90.51.1 34.31.15.2 34.90.51.1	JLVB SBA 0371077 04 34.31.11.2 34.31.17.2 34.31.14.2	J6W SBA 0371580 03 34.90.21.1 34.90.71.1 34.31.11.2	CKWF SBA 0371270 02 34.32.11.2 34.90.51.1	CKWF SBA 0371270 02 34.33.13.2 34.33.14.2						
JJ SBA 0371590 04 34.90.81.1 34.90.81.1 34.90.81.1	3JMX SBA 0370141 02 34.95.11.1 34.95.11.1	CLVR SBA 0371075 04 34.31.14.2 34.31.11.2 34.31.13.2	CH SBA 0371534 01 34.31.15.2	CHVV SBA 0371265 03 34.31.15.2 34.90.31.1 34.90.31.1							
JJVN SBA 0371588 04 34.90.91.1 34.90.71.1 34.90.91.1	J6 SBA 0371583 03 34.31.15.2 34.31.15.2 34.31.15.2	JH SBA 0371080 02 34.31.14.2 34.31.15.2	CLVR SBA 0371075 04 34.90.21.1 34.31.11.2 34.31.13.2	4JMX SBA 0370142 02 34.32.16.2 34.32.16.2	CLVT SBA 0371073 04 34.33.11.2 34.33.12.2 34.90.21.1						
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CKWF SBA 0371270 02 34.90.81.1 34.90.81.1	CKLV SBA 0371254 02 34.90.91.1 34.90.91.1	CJYC SBA 0371071 02 34.31.14.2 34.31.13.2	JZ SBA 0371082 01 34.31.14.2	J6W SBA 0371580 03 34.31.12.2 34.33.11.2 34.33.11.2	2JMX SBA 0370144 02 34.33.13.2 34.33.15.2						

*Jumpers
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B	A	B	A	B	A	B	A	B	A	B	A
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PP-- BA 0371365 04 36.01.31.2 36.01.31.2 36.10.11.2 36.24.11.2	COZT BA 0371272 04 36.01.21.2 36.10.11.2 36.10.11.2 36.12.11.2	COY6 BA 0371278 04 36.24.11.2 36.10.11.2 36.02.11.2	CKYC BA 0371072 02 36.13.11.2 36.13.21.2	CKYC BA 0371072 02 36.13.11.2 36.13.11.2	NGXX BA 0371996 04 36.50.11.2 36.50.11.2 36.24.11.2						
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CO-- BA 0371273 04 36.10.21.2 36.14.11.2 36.10.21.2 36.10.21.2	CHVV FP 0371265 03 36.10.21.2 36.10.21.2 36.10.21.2	CLVR FP 0371075 04 36.10.21.2 36.10.21.2 36.10.21.2 36.50.11.2	CLVR OVR 0371075 04 36.11.11.2 36.12.21.2 36.01.31.2 36.12.21.2 36.12.21.2	CLVR OVR 0371075 04 36.22.11.2 36.22.11.2 36.50.11.2	CKVV CH 0371269 02 36.01.31.2 36.13.21.2						

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* SEE 36.10.21 - HOMEGROWN EC-CARDS ARE DIFFERENT. SEE 36.10.21 PREVIOUS PAGE FOR MODIFICATION(S)

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		COZV BA 0371271 04 36.38.11.2	CHHW BA 0371252 03 36.38.01.2	CJVV BA 0371262 03 36.37.51.2	CRZV BA 0371271 04 36.38.11.2
		D			
		CV-- BA 0371538 01 36.37.41.2	CV-- BA 0371538 01 36.37.41.2	CGVV BA 0371262 03 36.37.51.2	COZV BA 0371271 04 36.38.11.2
		A	A		
	JHVB BA 0371079 04 36.38.11.2	CHHW BA 0371252 03 36.38.01.2	CNLT BA 0371260 04 36.37.41.2	CJHV BA 0371253 02 36.38.01.2	CLVR BA 0371079 04 36.38.11.2
			F F		B D
	JHVB BA 0371079 04 36.38.11.2	CNLT BA 0371260 04 36.37.41.2	CNLT BA 0371260 04 36.37.41.2	CJHV BA 0371253 02 36.38.01.2	CLVR BA 0371079 04 36.38.11.2
		E F	E F		
	AEN- NU 0371415 02 36.38.01.2	AEN- NU 0371415 02 36.38.01.2	AEN- NU 0371415 02 36.38.01.2	JHVB BA 0371079 04 36.38.11.2	CJMV BA 0371253 02 36.38.01.2
	AEN- NU 0371415 02 36.38.01.2	AEN- NU 0371415 02 36.38.01.2	AEN- NU 0371415 02 36.38.01.2	CJYC BA 0371071 02 36.38.01.2	JHVB BA 0371079 04 36.38.11.2
	AEN- NU 0371415 02 36.38.01.2	AEN- NU 0371415 02 36.38.01.2	AEN- NU 0371415 02 36.38.01.2	CLVR BA 0371079 04 36.38.11.2	COZV BA 0371271 04 36.38.11.2
	AEN- NU 0371415 02 36.38.01.2	AEN- NU 0371415 02 36.38.01.2	AEN- NU 0371415 02 36.38.01.2	CJYC BA 0371071 02 36.38.01.2	CJYC BA 0371071 02 36.38.01.2
	AEN- NU 0371415 02 36.38.01.2	AEN- NU 0371415 02 36.38.01.2	AEN- NU 0371415 02 36.38.01.2	CLVR BA 0371079 04 36.38.11.2	CJYC BA 0371071 02 36.38.01.2
	AEN- NU 0371415 02 36.38.01.2	AEN- NU 0371415 02 36.38.01.2	AEN- NU 0371415 02 36.38.01.2	CY-- BA 0371542 02 36.38.01.2	CLVR BA 0371079 04 36.38.11.2
	AEN- NU 0371415 02 36.38.01.2	AEN- NU 0371415 02 36.38.01.2	AEN- NU 0371415 02 36.38.01.2	JHVB BA 0371079 04 36.38.11.2	JHVB BA 0371079 04 36.38.11.2
	AEN- NU 0371415 02 36.38.01.2	AEN- NU 0371415 02 36.38.01.2	AEN- NU 0371415 02 36.38.01.2	JHVB BA 0371079 04 36.38.11.2	JHVB BA 0371079 04 36.38.11.2
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	AEN- NU 0371415 02 36.38.01.2	AEN- NU 0371415 02 36.38.01.2	AEN- NU 0371415 02 36.38.01.2	CHHW BA 0371252 03 36.38.01.2	CHHW BA 0371252 03 36.38.01.2

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15	AEN- NU 03715 02 36.39.55.22	AEN- NU 03715 02 36.39.55.22	AEN- NU 03715 02 36.39.55.22	AEN- NU 03715 02 36.39.55.22	CH- NPF 03715 02 36.39.55.22	CH- NPF 03715 02 36.39.55.22
16	AEN- NU 03715 02 36.39.55.22	AEN- NU 03715 02 36.39.55.22	AEN- NU 03715 02 36.39.55.22	AEN- NU 03715 02 36.39.55.22	CH- NPF 03715 02 36.39.55.22	CH- NPF 03715 02 36.39.55.22
17	AEN- NU 03715 02 36.39.55.22	AEN- NU 03715 02 36.39.55.22	AEN- NU 03715 02 36.39.55.22	AEN- NU 03715 02 36.39.55.22	CH- NPF 03715 02 36.39.55.22	CH- NPF 03715 02 36.39.55.22
18	AEN- NU 03715 02 36.39.55.22	AEN- NU 03715 02 36.39.55.22	AEN- NU 03715 02 36.39.55.22	AEN- NU 03715 02 36.39.55.22	CH- NPF 03715 02 36.39.55.22	CH- NPF 03715 02 36.39.55.22
19	AEN- NU 03715 02 36.39.55.22	AEN- NU 03715 02 36.39.55.22	AEN- NU 03715 02 36.39.55.22	AEN- NU 03715 02 36.39.55.22	CH- NPF 03715 02 36.39.55.22	CH- NPF 03715 02 36.39.55.22
20	AEN- NU 03715 02 36.39.55.22	AEN- NU 03715 02 36.39.55.22	AEN- NU 03715 02 36.39.55.22	AEN- NU 03715 02 36.39.55.22	CH- NPF 03715 02 36.39.55.22	CH- NPF 03715 02 36.39.55.22
21	AEN- NU 03715 02 36.39.55.22	AEN- NU 03715 02 36.39.55.22	AEN- NU 03715 02 36.39.55.22	AEN- NU 03715 02 36.39.55.22	CH- NPF 03715 02 36.39.55.22	CH- NPF 03715 02 36.39.55.22
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23	AEN- NU 03715 02 36.39.55.22	AEN- NU 03715 02 36.39.55.22	AEN- NU 03715 02 36.39.55.22	AEN- NU 03715 02 36.39.55.22	CH- NPF 03715 02 36.39.55.22	CH- NPF 03715 02 36.39.55.22
24	AEN- 132 03715 02 36.39.55.22	AEN- 132 03715 02 36.39.55.22	AEN- 132 03715 02 36.39.55.22	AEN- 132 03715 02 36.39.55.22	LHVU BA 03715 02 36.39.55.22	CH- NPF 03715 02 36.39.55.22
25	AEN- 132 03715 02 36.39.55.22	AEN- 132 03715 02 36.39.55.22	AEN- 132 03715 02 36.39.55.22	AEN- 132 03715 02 36.39.55.22	NU- BA 03715 02 36.39.55.22	LGMU BA 03715 02 36.39.55.22
26	AEN- 132 03715 02 36.39.55.22	AEN- 132 03715 02 36.39.55.22	AEN- 132 03715 02 36.39.55.22	AEN- 132 03715 02 36.39.55.22	JN- BA 03715 02 36.39.55.22	GJ- BA 03715 02 36.39.55.22

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5	ACLVO BA A0371255 03 A34.21.31.2	ACKYC BA A0371072 02 A34.21.11.2	ACRZY BA A0371275 04 A34.21.11.2	ACJYC BA A0371071 02 A34.10.51.2	ACJHF BA A0371268 02 A34.10.61.2	AJHVB FE A0371079 04 A34.11.11.2
6	ACLVR BA A0371075 04 A34.21.41.2	ACKNF BA A0371270 02 A34.21.31.2	ACRZY BA A0371275 04 A34.21.31.2	ACG- BA A0371263 03 A34.10.51.2	ACJVV BA A0371267 02 A34.21.41.2	ACJHF FE A0371268 02 A34.11.11.2
7	ACJHF BA A0371268 02 A34.21.41.2	ACKNF BA A0371270 02 A34.21.31.2	ACRZY BA A0371275 04 A34.21.31.2	ACKYC BA A0371072 02 A34.10.11.2	ACLVS BA A0371074 03 A34.10.41.2	ACRZY FE A0371275 04 A34.11.21.2
8	ACJHF BA A0371268 02 A34.21.41.2	ACKNF BA A0371270 02 A34.10.31.2	ACRZY BA A0371274 04 A34.21.21.2	ACKYC BA A0371072 02 A34.10.41.2	ACLVO BA A0371255 03 A34.10.51.2	ACLVR SBA A0371075 04 A34.10.51.2
9	AJVP BA A0371587 04 A34.21.41.2	ACLVO BA A0371255 03 A34.21.31.2	AJMX BA A0370142 02 A34.21.31.2	ACJYC BA A0371071 02 A34.10.31.2	ACLVR BA A0371075 04 A34.10.61.2	ACGVV FE A0371261 03 A34.11.31.2
10	ACGVV BA A0371262 03 A34.21.41.2	ACKNF BA A0371270 02 A34.21.31.2	AJMX BA A0370142 02 A34.21.31.2	ACJVV BA A0371267 02 A34.10.31.2	ACLVR BA A0371075 04 A34.10.61.2	ACJHF FE A0371268 02 A34.11.31.2
11	ACJVV BA A0371267 02 A34.21.41.2	ACLVO BA A0371255 03 A34.21.11.2	AJMX BA A0370142 02 A34.21.11.2	ACKYC BA A0371072 02 A34.10.11.2	ACQZV BA A0371271 04 A34.21.41.2	ACQZT BA A0371272 04 A31.31.31.2
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13	ACGVV IOC A0371262 03 A73.11.83.2	ACJHF IOC A0371268 02 A73.11.83.2	ACKYC BA A0371072 02 A34.21.31.2	ACKYC BA A0371072 02 A34.10.51.2	ACQZT BA A0371272 04 A34.10.21.2	ACKYC FE A0371072 02 A34.11.21.2

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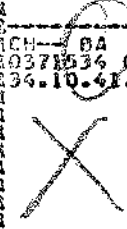
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15	ACLVO BA A0371255 A34.21.41.2 A34.21.51.2 A34.21.51.2	A4JHX BA A0370142 A34.21.11.2 A34.21.11.2 A34.21.11.2	A2JHX BA A0370144 A34.21.11.2 A34.21.11.2 A34.21.11.2	ACKHF BA A0371270 A34.10.41.2 A34.10.41.2 A34.10.41.2	ACJHF BA A0371268 A34.10.61.2 A34.10.61.2 A34.10.61.2	ACLVR EE A0371075 A34.11.21.2 A34.11.21.2 A34.10.21.2		
16	ACQZV BA A0371271 A34.21.51.2 A34.21.51.2 A34.21.21.2	AJHVB BA A0371079 A34.21.11.2 A34.21.11.2 A34.21.11.2	A2JHX BA A0370144 A34.21.11.2 A34.21.11.2 A34.21.11.2	A2JHX BA A0370144 A34.21.11.2 A34.21.11.2 A34.21.11.2	ACJHF BA A0371269 A34.10.61.2 A34.10.61.2 A34.10.61.2	ACKVC EE A0371072 A34.11.11.2 A34.11.11.2 A34.11.11.2		
17	ACKVC BA A0371072 A34.21.41.2 A34.10.61.2 A34.10.61.2	ACLVR BA A0371075 A34.21.41.2 A34.10.61.2 A34.10.61.2	A2JHX BA A0370144 A34.21.11.2 A34.21.11.2 A34.21.11.2	ACKVC BA A0371072 A34.21.31.2 A34.21.31.2 A34.21.31.2	AJHVB BA A0371079 A34.10.51.2 A34.10.51.2 A34.10.51.2	ACJYC EE A0371071 A34.11.31.2 A34.11.31.2 A34.11.31.2		
18	ACHVW BA A0371264 A34.21.51.2 A34.21.51.2 A34.32.19.2	ACJYC BA A0371071 A34.21.21.2 A34.21.41.2 A34.21.41.2	ACRYT BA A0371275 A34.21.21.2 A34.21.21.2 A34.21.21.2	AJHVB BA A0371079 A34.10.21.2 A34.10.21.2 A34.10.21.2	ACJHF BA A0371269 A34.10.51.2 A34.10.51.2 A34.10.51.2	ACQZV EE A0371271 A34.11.11.2 A34.11.21.2 A34.11.21.2		
19	ACKVC BA A0371072 A34.21.51.2 A34.21.51.2 A34.32.19.2	AJHVB BA A0371079 A34.21.11.2 A34.21.11.2 A34.21.11.2	ACRYT BA A0371275 A34.21.21.2 A34.21.21.2 A34.21.21.2	AJHVB BA A0371077 A34.11.21.2 A34.11.21.2 A34.10.51.2	APP-- BA A0371365 A34.10.11.2 A34.10.11.2 A34.10.11.2	ACHVW EE A0371265 A34.11.11.2 A34.11.11.2 A34.10.21.2		
20	ACHVW BA A0371264 A34.22.11.2 A34.10.11.2 A31.31.31.2	APP-- BA A0371370 A34.21.21.2 A34.21.21.2 A34.10.41.2	ACKVU BA A0371269 A34.21.31.2 A34.21.31.2 A34.10.41.2	ACKHF BA A0371270 A34.10.41.2 A34.10.41.2 A34.10.41.2	ACH-- BA A0371534 A31.31.31.2 A31.31.31.2 A31.31.31.2	ACJYC BA A0371071 A34.11.11.2 A34.11.11.2 A34.11.11.2		
21	ACKHF SS A0371270 A34.22.11.2 A34.22.11.2 A34.32.20.2	AKA-- BA A0371246 A34.22.11.2 A34.22.11.2 A34.32.20.2	ACJYC BA A0371071 A34.22.11.2 A34.22.11.2 A34.32.20.2	ACH-- BA A0371534 A34.22.11.2 A34.22.11.2 A34.32.20.2	ACH-- BA A0371534 A31.31.31.2 A31.31.31.2 A31.31.31.2	ACH-- BA A0371534 A31.31.31.2 A31.31.31.2 A31.31.31.2		
22	ACKHF SS A0371270 A34.22.11.2 A34.22.11.2 A34.32.19.2	ACH-- BA A0371266 A34.22.11.2 A34.22.11.2 A34.32.19.2	ACHVW BA A0371262 A34.22.11.2 A34.22.11.2 A34.32.19.2	ACQZV BA A0371279 A34.10.41.2 A34.10.41.2 A34.10.51.2	ACH-- BA A0371534 A31.31.31.2 A31.31.31.2 A31.31.31.2	ACH-- BA A0371534 A31.31.41.2 A31.31.41.2 A31.31.41.2		
23	ACKVU SS A0371269 A34.22.11.2 A34.22.11.2 A34.32.19.2	ACH-- BA A0371266 A34.22.11.2 A34.22.11.2 A34.32.19.2	AJHVB BA A0371079 A34.21.41.2 A34.21.41.2 A34.10.41.2	ACQZV BA A0371271 A34.10.41.2 A34.10.41.2 A34.10.41.2	APP-- BA A0371365 A31.31.31.2 A31.31.31.2 A31.31.31.2	ACH-- BA A0371534 A31.31.31.2 A31.31.31.2 A31.31.31.2		
24	ACG-- BA A0371263 A34.22.11.2 A34.22.11.2 A34.32.20.2	ACRYG BA A0371277 A34.22.11.2 A34.22.11.2 A34.32.20.2	ACKVU BA A0371269 A34.22.11.2 A34.22.11.2 A34.32.20.2	ACDHT BA A0371269 A34.22.11.2 A34.22.11.2 A34.32.20.2	APP-- BA A0371365 A31.31.41.2 A31.31.41.2 A31.31.41.2	ACH-- BA A0371534 A31.31.41.2 A31.31.41.2 A31.31.41.2		
25	ACG-- BA A0371262 A41.10.11.2 A41.10.11.2 A41.10.11.2	ACKVU BA A0371267 A34.22.11.2 A34.22.11.2 A34.32.20.2	AKA-- BA A0371246 A34.22.11.2 A34.22.11.2 A34.32.20.2	ACLVR SOA A0371079 A34.10.51.2 A34.10.51.2 A34.10.51.2	AKA-- BA A0371534 A34.22.11.2 A34.22.11.2 A34.32.20.2	ACH-- BA A0371534 A31.31.41.2 A31.31.41.2 A31.31.41.2		
26	A3JHX BY A0370141 A41.10.11.2 A41.10.11.2 A41.10.11.2	ACQZV BA A0371274 A34.21.21.2 A34.21.21.2 A34.21.21.2	AKA-- BA A0371246 A34.21.21.2 A34.21.21.2 A34.21.21.2	CPWT BA A0371269 A34.10.11.2 A34.10.11.2 A34.10.11.2	AKA-- BA A0371534 A34.21.21.2 A34.21.21.2 A34.21.21.2	ACH-- BA A0371534 A31.31.41.2 A31.31.41.2 A31.31.41.2		

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4	AED- BA 0371946 01 36.17.11.2	AED- BA 0371946 01 36.17.11.2	CKWF BA 0371278 02 36.23.21.2 36.23.21.2		UNDEFIN # 36.17.21.2	CRZV CFC 0371278 06 36.23.21.2 74.65.01.2
5	4 JHX BA 0370142 02 36.17.11.2	CH- BA 0371266 01 36.17.11.2	CLVO BA 0371255 03 36.23.21.2		OD- BA 0371078 02 36.29.11.2	OD- BA 0371078 02 36.29.11.2
6	CRZV BA 0371278 06 36.23.21.2 36.23.21.2 36.17.11.2	CHWV BA 0371252 03 36.17.21.2 36.28.11.2	CLVO BA 0371255 03 36.23.21.2 36.23.21.2		OD- BA 0371078 02 36.29.11.2	OD- BA 0371078 02 36.29.11.2
7	PO- BA 0371173 01 36.17.11.2 36.28.11.2	JRVB BA 0371079 04 36.17.11.2 36.17.11.2	CLVR BA 0371079 04 36.23.21.2 36.23.21.2		OD- BA 0371078 02 36.29.11.2	OD- BA 0371078 02 36.29.11.2
8	PP- BA 0371173 01 36.17.11.2 36.28.11.2	CKWF BA 0371266 01 36.17.11.2 36.17.11.2	CKWF BA 0371278 02 36.23.21.2 36.23.21.2		OD- BA 0371078 02 36.29.11.2	OD- BA 0371078 02 36.29.11.2
9	CJYC BA 0371071 02 36.17.21.2	4 JHX BA 0370142 02 36.17.11.2	CHWV BA 0371252 03 36.17.21.2 36.17.11.2		OD- BA 0371078 02 36.29.11.2	OD- BA 0371078 02 36.29.11.2
10	CGWV BA 0371251 03 36.17.11.2 36.28.11.2	4 JHX BA 0370142 02 36.17.11.2	CR- BA 0371276 04 36.23.21.2 36.23.21.2		OD- BA 0371078 02 36.29.11.2	OD- BA 0371078 02 36.29.11.2
11	COZT BA 0371272 05 36.23.21.2 36.17.11.2 36.23.21.2 36.17.11.2	CCWV BA 037126 01 36.28.11.2 36.28.11.2	CRZV BA 0371278 06 36.23.21.2 36.23.21.2		OD- BA 0371078 02 36.29.11.2	OD- BA 0371078 02 36.29.11.2
12	CI- BA 0371266 01 36.17.11.2 36.17.11.2	CHWV BA 0371252 03 36.17.11.2 36.17.11.2	CHWV BA 0371266 03 36.17.11.2 36.23.21.2		OD- BA 0371078 02 36.29.11.2	OD- BA 0371078 02 36.29.11.2
13		UNDEFIN # 36.17.21.2	CRZV CFC 0371278 06 36.23.21.2 74.65.01.2		OD- BA 0371078 02 36.29.11.2	OD- BA 0371078 02 36.29.11.2
14	UNDEFIN # 36.17.21.2	UNDEFIN # 36.17.21.2			OD- BA 0371078 02 36.29.11.2	OD- BA 0371078 02 36.29.11.2

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15	UNDEFIN RPO 36.17.21.2	UNDEFIN RPO 36.17.21.2	COZY BA 0371072 36.29.41.2 36.29.41.2 36.29.41.2		OD- BA 0371078 36.29.41.2 36.29.41.2	GO- BA 0371078 36.29.41.2 36.29.41.2
16	UNDEFIN RPO 36.17.21.2	UNDEFIN RPO 36.17.21.2	CKYC BA 0371072 36.23.31.2	D	OD- BA 0371078 36.29.41.2 36.29.41.2	OD- BA 0371078 36.29.41.2 36.29.41.2
17	UNDEFIN RPO 36.17.21.2	UNDEFIN RPO 36.17.21.2		B	OD- BA 0371078 36.29.41.2 36.29.41.2	OD- BA 0371078 36.29.41.2 36.29.41.2
18	UNDEFIN RPO 36.17.21.2	UNDEFIN RPO 36.17.21.2			OD- BA 0371078 36.29.41.2 36.29.41.2	OD- BA 0371078 36.29.41.2 36.29.41.2
19	UNDEFIN RPO 36.17.21.2	UNDEFIN RPO 36.17.21.2			OD- BA 0371078 36.29.41.2 36.29.41.2	OD- BA 0371078 36.29.41.2 36.29.41.2
20	CKVU BA 0371078 36.17.21.2	CKLV BA 0371078 36.23.31.2	CKKP BA 0371078 36.23.31.2		OD- BA 0371078 36.29.41.2 36.29.41.2	OD- BA 0371078 36.29.41.2 36.29.41.2
21	CKVU BA 0371078 36.17.21.2	CKLV BA 0371078 36.23.31.2	CKKP BA 0371078 36.23.31.2	A	OD- BA 0371078 36.29.41.2 36.29.41.2	OD- BA 0371078 36.29.41.2 36.29.41.2
22	CKVU BA 0371078 36.17.21.2	CKLV BA 0371078 36.23.31.2	CKKP BA 0371078 36.23.31.2	B	OD- BA 0371078 36.29.41.2 36.29.41.2	OD- BA 0371078 36.29.41.2 36.29.41.2
23	CKVU BA 0371078 36.17.21.2	CKLV BA 0371078 36.23.31.2	CKKP BA 0371078 36.23.31.2	B	OD- BA 0371078 36.29.41.2 36.29.41.2	OD- BA 0371078 36.29.41.2 36.29.41.2
24	CKVU BA 0371078 36.17.21.2	CKLV BA 0371078 36.23.31.2	CKKP BA 0371078 36.23.31.2		OD- BA 0371078 36.29.41.2 36.29.41.2	OD- BA 0371078 36.29.41.2 36.29.41.2
25	CKVU BA 0371078 36.17.21.2	CKLV BA 0371078 36.23.31.2	CKKP BA 0371078 36.23.31.2		OD- BA 0371078 36.29.41.2 36.29.41.2	OD- BA 0371078 36.29.41.2 36.29.41.2
26	CKVU BA 0371078 36.17.21.2	CKLV BA 0371078 36.23.31.2	CKKP BA 0371078 36.23.31.2		OD- BA 0371078 36.29.41.2 36.29.41.2	OD- BA 0371078 36.29.41.2 36.29.41.2
27	CKVU BA 0371078 36.17.21.2	CKLV BA 0371078 36.23.31.2	CKKP BA 0371078 36.23.31.2		OD- BA 0371078 36.29.41.2 36.29.41.2	OD- BA 0371078 36.29.41.2 36.29.41.2
28	CKVU BA 0371078 36.17.21.2	CKLV BA 0371078 36.23.31.2	CKKP BA 0371078 36.23.31.2		OD- BA 0371078 36.29.41.2 36.29.41.2	OD- BA 0371078 36.29.41.2 36.29.41.2

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A	B	C	D	E	F
1 RPO UNDEFIN # 71.71.11.2	CEH- MT 0370139 02 71.11.11.2 71.11.11.2	CLVR OV 0371075 04 71.31.21.2			
2 RPO UNDEFIN # 71.71.11.2	CEH- MT 0370139 02 71.11.11.2 71.11.31.2	A C D C6- MT 0371263 03 71.31.11.2 71.51.21.2 71.51.21.2	CKVU MT 0371269 02 71.31.11.2 71.61.11.2		
3 RPO UNDEFIN # 71.71.11.2	CEH- MT 0370139 02 71.11.31.2 71.11.31.2	COZV MT 0371271 04 71.71.61.2 71.71.61.2 71.11.21.2 71.71.21.2	CKVU MT 0371269 02 71.11.21.2 71.61.11.2		
4 RPO UNDEFIN # 71.71.11.2	CHWW MT 0371252 03 71.71.41.2 71.11.11.2 71.11.31.2	CHWW MT 0371252 03 71.71.41.2 71.71.21.2 71.71.21.2	CNWT MT 0371260 06 71.71.41.2 71.31.11.2		
5 RPO UNDEFIN # 71.71.11.2	CO- MT 0371273 04 71.11.31.2 71.31.11.2 71.11.31.2 71.11.31.2	COZT MT 0371272 04 71.71.61.2 71.71.21.2 71.71.21.2 71.11.31.2	CH- MT 0371266 03 71.71.61.2 71.71.61.2 71.71.61.2		
6 RPO UNDEFIN # 71.71.11.2	CO- M3 0371273 04 71.11.31.2 71.11.11.2 71.11.31.2	CJYC MT 0371071 02 71.31.21.2 71.61.11.2	COZV MT 0371271 04 71.31.11.2 71.71.61.2 71.71.61.2		
7 RPO UNDEFIN # 71.71.11.2	CO- M6 0371273 04 71.11.11.2 71.11.11.2 71.11.11.2 71.11.31.2	CHVV MT 0371265 03 71.31.11.2 71.11.11.2 71.71.21.2	3JMX MT 0370141 02 71.71.21.2		
8 RPO UNDEFIN # 71.71.11.2	COZV MT 0371271 04 71.11.11.2 71.61.11.2 71.51.21.2 71.11.31.2	CKYC MT 0371072 02 71.31.11.2 71.71.61.2	CPWT MT 0371259 06 71.61.11.2 71.31.21.2 71.31.11.2 71.71.21.2		
9 RPO UNDEFIN # 71.71.11.2	CH- MT 0371266 03 71.31.21.2 71.31.21.2	CSVV MT 0371262 03 71.31.11.2 71.71.21.2 71.71.41.2	JMVB MT 0371079 04 71.11.21.2 71.71.21.2 71.51.21.2		
10 RPO UNDEFIN # 71.71.11.2	CRZT MT 0371275 04 71.31.11.2 71.31.11.2 71.71.41.2 71.51.21.2	CR- MT 0371276 04 71.71.21.2 71.71.21.2 71.31.21.2 71.71.21.2	CEH- MT 0370139 02 71.71.61.2 71.71.61.2		
11 RPO UNDEFIN # 71.71.11.2	COY6 MT 0371278 04 71.71.41.2 71.71.21.2	CSVV MT 0371262 03 71.71.41.2 71.31.11.2	NB- MT 0371591 01 71.71.61.2		
12 RPO UNDEFIN # 71.71.11.2	UNDEFIN # 71.71.11.2	CKVU MT 0371269 02 71.31.11.2 71.31.21.2	6J- MT 0371501 01 71.71.21.2		
13 RPO UNDEFIN # 71.71.11.2	CH- MT 0371266 03 71.31.11.2 71.61.11.2 71.61.11.2	JMVB MT 0371079 04 71.71.61.2 71.71.61.2 71.71.21.2	NB- MT 0371591 01 71.71.61.2		
14 RPO UNDEFIN # 71.71.11.2	CHVV MT 0371265 03 71.31.11.2 71.61.11.2 71.61.11.2	CSVV MT 0371261 03 71.71.61.2 71.71.21.2 71.71.21.2	NB- MT 0371591 01 71.71.21.2		

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A	B	C	D	E	F	
15	JMVB MT 0371079 04 71-71-21-2 71-31-11-2 71-31-11-2 71-71-21-2	CKVU MT 0371269 02 71-11-21-2 71-71-61-2	CRZT MT 0371275 04 71-11-21-2 71-31-11-2 71-71-21-2	DHC- MT 0370372 06 71-31-21-2 71-31-21-2 71-31-21-2		
16	JLVB MT 0371077 04 71-71-61-2 71-71-61-2 71-71-41-2 71-31-21-2	CO- MT 0371273 04 71-51-21-2 71-51-21-2 71-51-21-2 71-61-11-2	COZT MT 0371272 04 71-71-21-2 71-31-21-2 71-31-21-2 71-31-21-2	DGT- OV 0370380 04 71-61-21-2 71-61-21-2 71-61-21-2 71-61-21-2		
17	JLVB MT 0371077 04 71-31-11-2 71-31-21-2 71-71-21-2	CHVV MT 0371265 03 71-11-11-2 71-61-11-2 71-61-11-2	PP- MT 0371365 04 71-11-11-2 71-61-11-2 71-71-21-2 71-71-21-2			
18	JLVB MT 0371077 04 71-31-11-2 71-31-11-2 71-71-41-2	CRYC MT 0371072 02 71-11-21-2 71-11-21-2	UJMK MT 0370142 02 71-71-61-2 71-71-61-2			
19	CLVO MT 0371255 03 71-31-11-2 71-31-11-2 71-71-61-2	CO- MT 0371273 04 71-51-21-2 71-51-21-2 71-51-21-2 71-51-21-2	CLVO MT 0371255 03 71-11-21-2 71-11-21-2 71-11-21-2 71-11-21-2	NW- MT 0371598 14 71-71-61-2 71-71-61-2 71-71-61-2 71-71-41-2		
20	CLVR MT 0371075 04 71-71-41-2 71-61-11-2 71-71-41-2	JLVB MT 0371077 04 71-11-11-2 71-61-11-2 71-11-31-2 71-61-11-2	DGT- 729 0370380 04 71-61-21-2 71-61-21-2 71-61-21-2 71-61-21-2			
21	TAB- M3 0370066 04 71-11-11-2 71-11-11-2 71-11-11-2 71-11-31-2	TAB- MT 0370066 04 71-51-21-2 71-51-21-2 71-11-31-2 71-11-31-2	DGW- OV 0370377 03 71-61-21-2 71-61-21-2 71-61-21-2			
22	EY- M6 0371199 08 71-11-11-2 71-11-11-2 71-11-11-2 71-11-31-2	DHF- MT 0370350 02 71-71-41-2 71-71-41-2 71-71-41-2 71-71-41-2	DEG- MT 0370217 04 71-31-21-2 71-61-21-2 71-31-21-2 71-71-41-2			
23	EY- M6 0371199 08 71-11-31-2 71-11-31-2	DFJ- MT 0370232 12 71-71-81-2 71-71-81-2 71-71-81-2 71-71-81-2 71-71-41-2 71-71-41-2 71-71-41-2 71-71-41-2 RE NOTED				
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CKYC CM 0371072 02 70.11.21.2 70.61.31.2	CKVU CM 0371269 02 70.51.31.2 70.61.31.2	UNDEFIN * 70.51.21.2 CHVV IOC 0371265 03 73.11.11.2	CRZV IOC 0371274 04 73.11.61.2 73.11.61.2 73.11.61.2 73.11.61.2	CRZV IOC 0371274 04 73.11.61.2 73.11.61.2 73.11.61.2 73.11.51.2	CJYC IOC 0371071 02 73.11.61.2 73.11.11.2
CKVU CM 0371269 02 70.11.21.2 73.11.71.2	CLVO CM 0371255 03 70.51.31.2 70.61.31.2 70.11.21.2	JLVB CM 0371077 04 70.51.31.2 70.11.41.2 70.11.41.2	CHWW IOC 0371252 03 73.11.41.2 73.11.41.2 73.11.41.2	CKYC IOC 0371072 02 73.11.71.2 73.11.71.2	CLVO IOC 0371255 03 70.51.31.2 73.11.71.2 73.11.31.2
CNWT CM 0371260 06 70.11.21.2 70.11.21.2 70.11.21.2 70.61.31.2	4JMX CM 0370142 02 70.11.21.2 70.51.21.2	CRZT CM 0371275 04 70.61.41.2 70.11.41.2 70.61.41.2	C6VV IOC 0371262 03 73.11.41.2 73.11.41.2 73.11.41.2	J6WW IOC 0371580 03 73.11.61.2 73.11.61.2 73.11.61.2	CLVO IOC 0371255 03 73.11.11.2 73.11.11.2 73.11.11.2
CJYC CM 0371071 02 70.11.21.2 70.11.21.2	JMVB CM 0371079 04 70.61.31.2 70.61.41.2 70.61.31.2	COY6 CM 0371278 04 70.11.41.2 70.11.41.2	JLVB IOC 0371077 04 73.11.41.2 73.11.41.2 73.11.51.2 73.11.31.2	J6WW IOC 0371580 03 73.11.61.2 73.11.61.2 73.11.61.2	PO IOC 0371370 04 73.11.11.2 73.11.11.2
PP CM 0371365 04 70.51.31.2 70.11.21.2 70.11.21.2 70.11.41.2	CKWF CM 0371270 02 70.11.21.2 70.61.31.2	CKYC IOC 0371072 02 70.11.41.2 73.11.31.2	CJWV IOC 0371253 02 73.11.11.2 73.11.71.2	J6WW IOC 0371580 03 73.11.61.2 73.11.61.2 73.11.61.2	CKWF IOC 0371270 02 73.11.31.2 73.11.31.2
JFVP CM 0371576 04 70.51.31.2 70.11.21.2 70.11.41.2	CLVO CM 0371255 03 70.51.21.2 70.61.31.2 70.61.41.2	CKYC CM 0371072 02 70.11.41.2 70.11.41.2	CH IOC 0371266 03 73.11.21.2 73.11.21.2 73.11.21.2	CH IOC 0371266 03 73.11.41.2 73.11.41.2 73.11.51.2	CHVV IOC 0371264 03 73.11.31.2 73.11.31.2 73.11.31.2
CR CM 0371276 04 70.61.21.2 70.61.21.2 70.61.21.2 70.61.21.2	CLVO CM 0371255 03 70.51.21.2 70.11.21.2 70.51.21.2	CJWF CM 0371268 02 70.61.41.2 70.61.41.2	CH IOC 0371266 03 73.11.21.2 73.11.21.2 73.11.21.2	CH IOC 0371266 03 73.11.51.2 73.11.51.2 73.11.51.2	CJWF IOC 0371268 02 73.11.71.2 73.11.11.2
JLVB CM 0371077 04 70.11.21.2 70.11.41.2 70.51.31.2 70.51.31.2	CLVT CM 0371073 04 70.11.21.2 70.11.21.2 70.11.21.2 70.11.41.2	CRZV IOC 0371274 04 73.11.71.2 70.51.21.2 70.11.41.2 70.11.41.2	JJVP IOC 0371587 04 73.11.41.2 73.11.41.2 73.11.41.2	CKWF IOC 0371278 02 73.11.21.2	CH IOC 0371266 03 73.11.21.2 73.11.11.2 73.11.11.2
CHVV CM 0371265 03 70.61.31.2 70.11.41.2 70.11.21.2	CKYC CM 0371072 02 70.61.41.2 70.11.21.2	CLVR CM 0371075 04 70.51.21.2 70.11.41.2 70.11.41.2 70.11.41.2 70.11.41.2	PP IOC 0371365 04 73.11.11.2 73.11.21.2 73.11.11.2 73.11.71.2	CH IOC 0371534 01 73.11.11.2	JMVB IOC 0371079 04 73.11.51.2 73.11.21.2 73.11.11.2 73.11.41.2
C6VV CM 0371267 03 70.61.21.2 70.51.31.2 70.61.31.2	CNWT CM 0371260 06 70.51.31.2 70.51.21.2 70.61.31.2 70.61.41.2	CLVR CM 0371075 04 70.61.31.2 70.11.21.2 70.51.31.2 73.11.31.2	JFVP IOC 0371576 04 73.11.31.2 73.11.31.2 73.11.11.2	CKWF IOC 0371278 02 73.11.21.2 73.11.11.2	COZY IOC 0371271 04 73.11.41.2 73.11.71.2 73.11.71.2 73.11.71.2
CR CM 0371276 04 70.61.21.2 70.61.21.2 70.61.21.2 70.61.41.2	CJYC CM 0371071 02 70.61.41.2 70.11.21.2	CHVV IOC 0371265 03 73.11.11.2 73.11.31.2 73.11.21.2	CHVV IOC 0371265 03 73.11.11.2 73.11.11.2 73.11.31.2	COY6 IOC 0371278 04 73.11.61.2 73.11.61.2 73.11.61.2	JH IOC 0371586 02 73.11.31.2 73.11.41.2
UNDEFIN * 70.51.21.2	CNWT CM 0371260 06 70.11.21.2	CJYC CM 0371071 02 70.61.41.2 73.11.51.2	CRZT IOC 0371275 04 73.11.71.2 73.11.11.2 73.11.11.2 70.11.21.2	CKVU IOC 0371269 02 73.11.71.2 73.11.31.2	JJVN IOC 0371588 04 73.12.21.2 73.11.31.2 73.12.21.2 73.12.21.2
CRZV CM 0371274 04 70.11.21.2 70.11.41.2 70.61.21.2 70.51.31.2	CJWF CM 0371268 02 70.51.21.2 70.51.21.2	CHVV CM 0371265 03 70.51.31.2 70.11.41.2 70.51.31.2	CHVV CM 0371265 03 70.61.41.2 73.11.41.2 73.11.71.2	J6VV IOC 0371582 03 73.11.51.2 73.11.41.2 73.11.41.2	J6WW IOC 0371580 03 73.11.11.2 73.12.21.2 73.11.11.2
PP CM 0371365 04 70.11.41.2 70.11.21.2 70.61.31.2 70.61.21.2	C6VV CM 0371251 03 70.11.21.2 70.11.21.2	CRZV IO 0371278 04 73.11.31.2 73.11.31.2 73.11.11.2	JLVB IOC 0371077 04 73.11.41.2 73.11.41.2 73.11.31.2	CHVV IOC 0371264 03 73.11.21.2 73.11.51.2	JLVB IOC 0371077 04 73.11.41.2 73.11.21.2 73.11.31.2 73.11.31.2

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	A	B	C	D	E	F
15	COZY CM 0371271 04 70.51.31.2 70.61.41.2 70.51.31.2 70.61.31.2	CGWW CM 0371251 03 70.51.21.2 70.51.21.2	CHVW IOC 0371264 03 73.12.21.2 73.12.11.2 73.12.11.2	JZ-- IOC 0371082 01 73.11.71.2	CHVW IOC 0371264 03 73.11.61.2 73.11.51.2 73.11.51.2	CJYC IOC 0371071 02 73.11.11.2 73.11.21.2
16	CRZT CM 0371275 04 70.11.21.2 70.61.31.2 70.51.31.2 70.11.21.2	JMVB CM 0371079 04 70.61.41.2 70.11.41.2 70.51.21.2 70.51.31.2	JLVB IOC 0371077 04 73.12.11.2 73.11.31.2 73.12.21.2 73.11.31.2	JN-- IOC 0371081 02 73.11.71.2 73.11.71.2	PP-- IOC 0371365 04 73.11.71.2 73.11.11.2	CKVU IOC 0371269 02 73.11.41.2 73.11.21.2
17	CEH- CM 0370139 02 70.51.31.2 70.51.31.2	CJWV CM 0371253 02 70.51.21.2 70.51.21.2	JFVN IOC 0371577 04 73.12.11.2 73.12.21.2 73.11.51.2	6JXD IOC 0370089 03 73.11.71.2 73.11.71.2 73.11.51.2	6JXD IOC 0370089 03 73.11.71.2 73.11.71.2	COZY IOC 0371271 04 73.11.11.2 73.12.21.2 73.11.21.2 73.11.11.2
18	JLVB CM 0371077 04 70.61.41.2 70.61.31.2 70.11.21.2	CJWF CM 0371268 02 70.51.21.2 70.11.41.2	COY6 OV 0371270 04 73.11.51.2 73.11.51.2 73.11.51.2	6JXD IOC 0370089 03 73.11.31.2 73.11.31.2 73.11.31.2	JLVB IOC 0371077 04 73.11.31.2 73.11.31.2 73.11.31.2	6JXD IOC 0370089 03 73.11.61.2 73.11.61.2 73.11.61.2
19	CRZV CM 0371274 04 70.61.41.2 70.61.31.2 70.51.31.2 70.11.41.2	CJYC CM 0371071 02 70.61.41.2 70.61.31.2	CHVW OV 0371264 03 73.11.51.2 73.11.51.2 73.11.31.2	6JXD IOC 0370089 03 73.11.41.2 73.11.11.2 73.11.31.2	CED- IOC 0370145 04 73.11.21.2 73.11.41.2 73.11.41.2	CED- IOC 0370145 04 73.12.21.2 73.11.51.2 73.11.31.2 73.12.21.2
20	CO-- CM 0371273 04 70.51.31.2 70.51.21.2 70.61.31.2	CGWW CM 0371251 03 70.51.21.2 70.51.21.2	CLVR OV 0371075 04 73.11.51.2 73.11.71.2 73.11.71.2	CED- IOC 0370145 04 73.11.21.2 73.11.21.2 73.11.21.2	6JXD IOC 0370089 03 73.11.61.2 73.11.61.2 73.11.61.2	6JXD IOC 0370089 03 73.12.11.2 73.11.11.2 73.12.21.2
21	JLVB CM 0371077 04 70.61.41.2 70.51.31.2 73.12.11.2 70.61.41.2	JMVB CM 0371079 04 70.51.21.2 70.61.41.2 70.51.31.2 70.61.41.2	6JXD IOC 0370089 03 73.12.11.2 73.11.31.2	CED- IOC 0370145 04 73.11.21.2 73.11.21.2 73.11.21.2	CED- IOC 0370145 04 73.11.51.2 73.11.51.2 73.11.51.2	6JXD IOC 0370089 03 73.12.11.2 73.12.11.2 73.12.11.2
22	CSVV CM 0371262 03 70.11.21.2 70.51.31.2 70.51.21.2	CLVR CM 0371075 04 70.11.41.2 70.11.21.2 70.51.31.2 70.11.41.2		CED- IOC 0370145 04 73.11.41.2 73.11.41.2 73.11.11.2 73.11.11.2	6JXD IOC 0370089 03 73.11.61.2 73.11.61.2	6JXD IOC 0370089 03 73.12.11.2 73.12.11.2 73.12.11.2
23				6JXD IOC 0370089 03 73.11.71.2 73.11.71.2	JFVA IOC 0371576 04 73.12.21.2 73.11.11.2 73.12.21.2	
24				6JXD IOC 0370089 03 73.11.11.2 73.11.71.2		
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REMARKS

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	A	B	C	D	E	F
1	3JHX SMD 037014 G2 44-15-01-02 44-15-01-02	CEM- SMD 0370357 G2 44-15-01-02 44-15-01-02	CHVV SMD 0371265 G3 44-15-01-02 44-15-01-02	2JHX SMD 037014 G2 44-15-01-02 44-15-01-02		CLVF SMD 0371268 G2 44-15-01-02 44-15-01-02
2	3JHX SMD 037014 G2 44-15-01-02 44-15-01-02	CEM- SMD 0370357 G2 44-15-01-02 44-15-01-02	PP- SMD 0371265 G3 44-15-01-02 44-15-01-02	2JHX SMD 037014 G2 44-15-01-02 44-15-01-02		CLVO SMD 0371255 G3 44-15-01-02 44-15-01-02
3	3JHX SMD 037014 G2 44-15-01-02 44-15-01-02	CEM- SMD 0370357 G2 44-15-01-02 44-15-01-02	PP- SMD 0371265 G3 44-15-01-02 44-15-01-02	CH- SMD 0371265 G3 44-15-01-02 44-15-01-02	CLVR SMD 0371268 G2 44-15-01-02 44-15-01-02	COZY SMD 0371271 G4 44-15-01-02 44-15-01-02
4	3JHX SMD 037014 G2 44-15-01-02 44-15-01-02	CEM- SMD 0370357 G2 44-15-01-02 44-15-01-02	COZY SMD 0371271 G4 44-15-01-02 44-15-01-02	CLVE SMD 0371268 G2 44-15-01-02 44-15-01-02		CLVO SMD 0371255 G3 44-15-01-02 44-15-01-02
5	3JHX SMD 037014 G2 44-15-01-02 44-15-01-02	CEM- SMD 0370357 G2 44-15-01-02 44-15-01-02	2JHX SMD 037014 G2 44-15-01-02 44-15-01-02	CKWF SMD 0371270 G2 44-15-01-02 44-15-01-02	CLVF SMD 0371268 G2 44-15-01-02 44-15-01-02	COZY SMD 0371272 G4 44-15-01-02 44-15-01-02
6	3JHX SMD 037014 G2 44-15-01-02 44-15-01-02	CEM- 12H 0370357 G2 44-15-01-02 44-15-01-02	2JHX SMD 037014 G2 44-15-01-02 44-15-01-02	2JHX SMD 037014 G2 44-15-01-02 44-15-01-02	CLVC SMD 0371071 G2 44-15-01-02 44-15-01-02	CLVV SMD 0371253 G2 44-15-01-02 44-15-01-02
7	3JHX SMD 037014 G2 44-15-01-02 44-15-01-02	CEM- 4H 0370357 G2 44-15-01-02 44-15-01-02	2JHX SMD 037014 G2 44-15-01-02 44-15-01-02	CKWF SMD 0371270 G2 44-15-01-02 44-15-01-02		CLVB SMD 0371077 G4 44-15-01-02 44-15-01-02
8	3JHX SMD 037014 G2 44-15-01-02 44-15-01-02	CEM- 8H 0370357 G2 44-15-01-02 44-15-01-02	COZY SMD 0371271 G4 44-15-01-02 44-15-01-02	CLVB SMD 0371077 G4 44-15-01-02 44-15-01-02	CHVV SMD 0371265 G3 44-15-01-02 44-15-01-02	CLVB SMD 0371077 G4 44-15-01-02 44-15-01-02
9	3JHX SMD 037014 G2 44-15-01-02 44-15-01-02	CEM- SMD 0370357 G2 44-15-01-02 44-15-01-02	CEM- SMD 0370357 G2 44-15-01-02 44-15-01-02	CLVC SMD 0371071 G2 44-15-01-02 44-15-01-02		CRZT SMD 0371272 G4 44-15-01-02 44-15-01-02
10	3JHX SMD 037014 G2 44-15-01-02 44-15-01-02		COZY SMD 0371271 G4 44-15-01-02 44-15-01-02	CLVC SMD 0371071 G2 44-15-01-02 44-15-01-02		
11	3JHX SMD 037014 G2 44-15-01-02 44-15-01-02	CRZV SMD 0371272 G4 44-15-01-02 44-15-01-02	CLVC SMD 0371071 G2 44-15-01-02 44-15-01-02	CEM- SMD 0370357 G2 44-15-01-02 44-15-01-02	CRWF SMD 0371276 G2 44-15-01-02 44-15-01-02	COZY SMD 0371272 G4 44-15-01-02 44-15-01-02
12	CEM- SMD 0370357 G2 44-15-01-02 44-15-01-02	CH- SMD 0371268 G2 44-15-01-02 44-15-01-02	CHVV SMD 0371265 G3 44-15-01-02 44-15-01-02	CRVC SMD 0371072 G2 44-15-01-02 44-15-01-02		CLVF SMD 0371268 G2 44-15-01-02 44-15-01-02
13						
14	CEM- SMD 0370357 G2 44-15-01-02 44-15-01-02	CH- SMD 0371268 G2 44-15-01-02 44-15-01-02	JHX SMD 037014 G2 44-15-01-02 44-15-01-02	CLVB SMD 0371077 G4 44-15-01-02 44-15-01-02		CLVR SMD 0371268 G2 44-15-01-02 44-15-01-02

REPAIRS

	A	B	C	D	E	F	
15	CEH- SMD 0370357 02 FF. 10.05.01.02 FF. 10.05.01.02 FF. 10.05.01.02	CH- SMD 0371266 02 FF. 10.05.01.02 FF. 10.05.01.02 FF. 10.05.01.02	CRVY SMD 0371266 02 FF. 10.05.01.02 FF. 10.05.01.02 FF. 10.05.01.02	COZY SMD 0371266 02 FF. 10.05.01.02 FF. 10.05.01.02 FF. 10.05.01.02			CLVY SMD 0371266 02 FF. 10.05.01.02 FF. 10.05.01.02 FF. 10.05.01.02
16	CEH- SMD 0370357 02 FF. 10.05.01.02 FF. 10.05.01.02 FF. 10.05.01.02	PP- SMD 0371266 02 FF. 10.05.01.02 FF. 10.05.01.02 FF. 10.05.01.02	CRVY SMD 0371266 02 FF. 10.05.01.02 FF. 10.05.01.02 FF. 10.05.01.02	CLVX SMD 0371266 02 FF. 10.05.01.02 FF. 10.05.01.02 FF. 10.05.01.02			CLVY SMD 0371266 02 FF. 10.05.01.02 FF. 10.05.01.02 FF. 10.05.01.02
17	CEH- SMD 0370357 02 FF. 10.05.01.02 FF. 10.05.01.02 FF. 10.05.01.02	PP- SMD 0371266 02 FF. 10.05.01.02 FF. 10.05.01.02 FF. 10.05.01.02	CLVY SMD 0371266 02 FF. 10.05.01.02 FF. 10.05.01.02 FF. 10.05.01.02	COZY SMD 0371266 02 FF. 10.05.01.02 FF. 10.05.01.02 FF. 10.05.01.02			CLVY SMD 0371266 02 FF. 10.05.01.02 FF. 10.05.01.02 FF. 10.05.01.02
18	CEH- SMD 0370357 02 FF. 10.05.01.02 FF. 10.05.01.02 FF. 10.05.01.02	PO- SMD 0371266 02 FF. 10.05.01.02 FF. 10.05.01.02 FF. 10.05.01.02	CLVX SMD 0371266 02 FF. 10.05.01.02 FF. 10.05.01.02 FF. 10.05.01.02	CLVY SMD 0371266 02 FF. 10.05.01.02 FF. 10.05.01.02 FF. 10.05.01.02			JZ- SMD 0371266 02 FF. 10.05.01.02 FF. 10.05.01.02 FF. 10.05.01.02
19	CEH- SMD 0370357 02 FF. 10.05.01.02 FF. 10.05.01.02 FF. 10.05.01.02	CLVY SMD 0371266 02 FF. 10.05.01.02 FF. 10.05.01.02 FF. 10.05.01.02	PO- SMD 0371266 02 FF. 10.05.01.02 FF. 10.05.01.02 FF. 10.05.01.02	CLVY SMD 0371266 02 FF. 10.05.01.02 FF. 10.05.01.02 FF. 10.05.01.02			
20	CEH- SMD 0370357 02 FF. 10.05.01.02 FF. 10.05.01.02 FF. 10.05.01.02	CLVY SMD 0371266 02 FF. 10.05.01.02 FF. 10.05.01.02 FF. 10.05.01.02	JHVB SMD 0371266 02 FF. 10.05.01.02 FF. 10.05.01.02 FF. 10.05.01.02	CLVY SMD 0371266 02 FF. 10.05.01.02 FF. 10.05.01.02 FF. 10.05.01.02			CLVY SMD 0371266 02 FF. 10.05.01.02 FF. 10.05.01.02 FF. 10.05.01.02
21	CEH- SMD 0370357 02 FF. 10.05.01.02 FF. 10.05.01.02 FF. 10.05.01.02	CLVY SMD 0371266 02 FF. 10.05.01.02 FF. 10.05.01.02 FF. 10.05.01.02	COZY SMD 0371266 02 FF. 10.05.01.02 FF. 10.05.01.02 FF. 10.05.01.02	CLVY SMD 0371266 02 FF. 10.05.01.02 FF. 10.05.01.02 FF. 10.05.01.02			
22	CEH- SMD 0370357 02 FF. 10.05.01.02 FF. 10.05.01.02 FF. 10.05.01.02	CGWU SMD 0371266 02 FF. 10.05.01.02 FF. 10.05.01.02 FF. 10.05.01.02	CRZY SMD 0371266 02 FF. 10.05.01.02 FF. 10.05.01.02 FF. 10.05.01.02				CLVY SMD 0371266 02 FF. 10.05.01.02 FF. 10.05.01.02 FF. 10.05.01.02
23	CEH- SMD 0370357 02 FF. 10.05.01.02 FF. 10.05.01.02 FF. 10.05.01.02	CGWU SMD 0371266 02 FF. 10.05.01.02 FF. 10.05.01.02 FF. 10.05.01.02	CRZY SMD 0371266 02 FF. 10.05.01.02 FF. 10.05.01.02 FF. 10.05.01.02				
24	CEH- SMD 0370357 02 FF. 10.05.01.02 FF. 10.05.01.02 FF. 10.05.01.02	JLVB SMD 0371266 02 FF. 10.05.01.02 FF. 10.05.01.02 FF. 10.05.01.02	CLVX SMD 0371266 02 FF. 10.05.01.02 FF. 10.05.01.02 FF. 10.05.01.02	CLVY SMD 0371266 02 FF. 10.05.01.02 FF. 10.05.01.02 FF. 10.05.01.02			
25							
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A	B	C	D	E	F
NO CARD 01 66.31.11.2	NO CARD 01 66.31.11.2				
NO CARD 01 66.31.11.2	NO CARD 01 66.31.11.2			CRD- RAM 0371073 04 75.01.05.2	JAVB RAM 0371079 04 75.01.09.2
NO CARD 01 66.31.11.2	NO CARD 01 66.31.11.2		CLVT RAM 0371073 06 75.01.04.2 75.01.06.2	CRVU RAM 0371269 02 75.01.09.2 75.01.08.2	JLVB RAM 0371077 06 75.01.08.2
CJHF HL 0371268 02 66.31.11.2 66.31.11.2		JFVP INQ 0371073 04 77.01.01.1 77.01.01.1 77.01.01.1 77.01.01.1	COZY RAM 0371271 04 75.01.08.2 75.01.09.2 75.01.09.2 75.01.09.2	CLVT RAM 0371073 06 75.01.04.2 75.01.06.2	CRVU RAM 0371269 02 75.01.09.2 75.01.08.2
CJHF HL 0371268 02 66.31.11.2 66.31.11.2	CLVR HL 0371073 04 66.31.11.2 66.31.11.2 66.31.11.2 66.31.11.2	AEA- INQ 0371073 04 77.01.01.1 77.01.01.1 77.01.01.1 77.01.01.1	GJ- RAM 0371501 01 75.01.10.2	AEA- RAM 0371079 04 75.01.09.2	CJVC RAM 0371071 02 75.01.02.2
CLVO HL 0371253 03 66.31.11.2 66.31.11.2 66.31.11.2	CJHF HL 0371268 02 66.31.11.2 66.31.11.2	CRV5 INQ 0371277 06 77.01.01.1 77.01.01.1 77.01.01.1 77.01.01.1	CR- RAM 0371270 06 75.01.06.2 75.01.06.2 75.01.06.2	CLVO RAM 0371255 03 75.01.04.2 75.01.06.2	CKMF RAM 0371270 02 75.01.09.2 75.01.08.2
CJHF HL 0371268 02 66.31.11.2 66.31.11.2	CJHF HL 0371268 02 66.31.11.2 66.31.11.2	JAVB INQ 0371073 04 77.01.01.1 77.01.01.1 77.01.01.1 77.01.01.1	COZY RAM 0371271 04 75.01.08.2 75.01.09.2 75.01.09.2 75.01.09.2	CLVO RAM 0371255 03 75.01.04.2 75.01.06.2	GJ- RAM 0371501 01 75.01.10.2
CJHF HL 0371268 02 66.31.11.2 66.31.11.2	CLVO HL 0371253 03 66.31.11.2 66.31.11.2 66.31.11.2	CR- INQ 0371270 06 77.01.01.1 77.01.01.1 77.01.01.1 77.01.01.1	COZY RAM 0371271 04 75.01.08.2 75.01.09.2 75.01.09.2 75.01.09.2	GJ- RAM 0371501 01 75.01.10.2	
CLVR HL 0371073 04 66.31.11.2 66.31.11.2 66.31.11.2	CJHF HL 0371268 02 66.31.11.2 66.31.11.2	CLVT INQ 0371073 06 77.01.01.1 77.01.01.1 77.01.01.1 77.01.01.1	CO- RAM 0371273 04 75.01.04.2 75.01.04.2 75.01.04.2	JAVB RAM 0371079 04 75.01.09.2 75.01.08.2	CH- RAM 0371266 01 75.01.08.2 75.01.08.2 75.01.08.2
CJHF HL 0371268 02 66.31.11.2 66.31.11.2	CJHF HL 0371268 02 66.31.11.2 66.31.11.2	CH- INQ 0371266 01 77.01.01.1 77.01.01.1 77.01.01.1 77.01.01.1	CO- RAM 0371273 04 75.01.04.2 75.01.10.2 75.01.10.2 75.01.10.2	JLVB RAM 0371077 06 75.01.06.2 75.01.06.2 75.01.06.2	CH- RAM 0371266 01 75.01.08.2 75.01.08.2 75.01.08.2
CJHF HL 0371268 02 66.31.11.2 66.31.11.2	CKMF HL 0371270 02 66.31.11.2 66.31.11.2	CH- INQ 0371266 01 77.01.01.1 77.01.01.1 77.01.01.1 77.01.01.1	CRVU RAM 0371274 06 75.01.08.2 75.01.08.2 75.01.08.2 75.01.09.2	JLVB RAM 0371077 06 75.01.06.2 75.01.06.2 75.01.06.2	CH- RAM 0371266 01 75.01.08.2 75.01.08.2 75.01.08.2
	JLVB INQ 0371077 06 77.01.01.1 77.01.01.1	CH- INQ 0371266 01 77.01.01.1 77.01.01.1 77.01.01.1 77.01.01.1	CR- RAM 0371270 06 75.01.05.2 75.01.06.2 75.01.06.2 75.01.05.2	JLVB RAM 0371077 06 75.01.06.2 75.01.06.2 75.01.06.2	CRVU RAM 0371259 06 75.01.08.2 75.01.09.2 75.01.09.2 75.01.05.2
CJHF HL 0371253 03 66.31.11.2 66.31.11.2	CLVO HL 0371255 03 66.31.11.2 66.31.11.2 66.31.11.2	CJVC INQ 0371071 02 77.01.01.1 77.01.01.1	CLVR RAM 0371075 04 75.01.04.2 75.01.09.2 75.01.09.2	CRVU RAM 0371269 02 75.01.09.2 75.01.06.2	CKVU RAM 0371254 02 75.01.10.2 75.01.10.2
CJHF HL 0371268 02 66.31.11.2 66.31.11.2	CJHF HL 0371268 02 66.31.11.2 66.31.11.2	CJHF INQ 0371268 02 77.01.01.1 77.01.01.1	CLVO RAM 0371255 03 75.01.04.2 75.01.09.2	CKMF RAM 0371270 02 75.01.09.2 75.01.09.2	CRVU RAM 0371254 02 75.01.08.2

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15	CGW HL 0371251 03 44-30-11-2 44-30-11-2 44-30-21-2	CLVR HL 0371075 04 44-34-11-2 44-34-11-2 44-34-11-2	JGWH INO 0371580 03 77-01-11-2 77-01-11-2 77-01-11-2	CLVO RAM 0371255 03 75-01-09-2 75-01-09-2	CKWF RAM 0371270 02 75-01-04-2 75-01-04-2	GJ-- RAM 0371501 01 75-01-16-2
16	CRZT HL 0371275 04 44-34-21-2 44-31-11-2	CJYC HL 0371071 02 44-34-21-2 44-34-21-2	CH-- INO 0371266 03 77-01-11-2 77-01-11-2	COZT RAM 0371272 04 75-01-06-2 75-01-08-2 75-01-10-2	GJ-- RAM 0371501 01 75-01-10-2	CED-- RAM 0370145 04 75-01-07-2 75-01-07-2 75-01-07-2
17	2JMX HL 0370144 02 44-30-11-2 44-31-11-2	KA-- HL 0371546 04 44-34-21-2 75-01-09-2	AEA-- INO 0371929 04 77-01-11-2 77-01-11-2	6JXD RAM 0370089 03 75-01-02-2 75-01-02-2	6JXD RAM 0370089 03 75-01-04-2 75-01-04-2	CED-- RAM 0370145 04 75-01-07-2 75-01-07-2 75-01-07-2
18	CKWF HL 0371270 02 44-30-11-2 44-31-11-2	CKWF HL 0371270 02 44-34-11-2	GJ-- INO 0371501 01 77-01-11-2	6JXD RAM 0370089 03 75-01-02-2 75-01-02-2	6JXD RAM 0370089 03 75-01-03-2 75-01-03-2	CED-- RAM 0370145 04 75-01-05-2 75-01-05-2 75-01-05-2
19	JHVB HL 0371079 04 44-30-11-2 44-30-11-2 44-31-11-2	JLVB HL 0371077 04 44-34-11-2 44-34-21-2	CKVU INO 0371269 02 77-01-11-2	6JXD RAM 0370089 03 75-01-02-2 75-01-01-2	6JXD RAM 0370089 03 75-01-03-2 75-01-03-2	CED-- RAM 0370145 04 75-01-05-2 75-01-05-2 75-01-05-2
20	CKWV HL 0371254 02 44-30-11-2 44-30-11-2	CKWF HL 0371270 02 44-34-11-2	CHVV INO 0371265 03 77-01-11-2 77-01-11-2	6JXD RAM 0370089 03 75-01-01-2 75-01-01-2	6JXD RAM 0370089 03 75-01-03-2 75-01-03-2	CED-- RAM 0370145 04 75-01-05-2 75-01-05-2 75-01-05-2
21	CNWT HL 0371260 06 44-30-11-2 44-30-11-2	2JMX HL 0370144 02 44-34-11-2	CJWF INO 0371268 02 77-01-11-2	6JXD RAM 0370089 03 75-01-01-2 75-01-09-2	6JXD RAM 0370089 03 75-01-03-2 75-01-02-2	CED-- RAM 0370145 04 75-01-05-2 75-01-05-2 75-01-05-2
22	CRZV HL 0371274 04 44-30-11-2 44-30-11-2 44-30-11-2 44-34-21-2	CHWV HL 0371252 03 44-34-11-2 44-34-21-2	CGWV INO 0371261 03 77-01-11-2 77-01-11-2		CEA-- RAM 0371944 01 75-01-08-2	CRZV RAM 0371274 04 75-01-08-2 75-01-05-2 75-01-02-2
23	CRZV HL 0371274 04 44-30-11-2 44-30-11-2 44-30-11-2	COZT HL 0371272 04 44-34-11-2 44-34-11-2 44-34-11-2				
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REMARKS

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0371265 0371266 0371267 0371268 0371269 0371270 0371271 0371272 0371273 0371274 0371275 0371276 0371277 0371278 0371279 0371280 0371281 0371282 0371283 0371284 0371285 0371286 0371287 0371288 0371289 0371290 0371291 0371292 0371293 0371294 0371295 0371296 0371297 0371298 0371299 0371300	0371265 0371266 0371267 0371268 0371269 0371270 0371271 0371272 0371273 0371274 0371275 0371276 0371277 0371278 0371279 0371280 0371281 0371282 0371283 0371284 0371285 0371286 0371287 0371288 0371289 0371290 0371291 0371292 0371293 0371294 0371295 0371296 0371297 0371298 0371299 0371300	0371265 0371266 0371267 0371268 0371269 0371270 0371271 0371272 0371273 0371274 0371275 0371276 0371277 0371278 0371279 0371280 0371281 0371282 0371283 0371284 0371285 0371286 0371287 0371288 0371289 0371290 0371291 0371292 0371293 0371294 0371295 0371296 0371297 0371298 0371299 0371300	0371265 0371266 0371267 0371268 0371269 0371270 0371271 0371272 0371273 0371274 0371275 0371276 0371277 0371278 0371279 0371280 0371281 0371282 0371283 0371284 0371285 0371286 0371287 0371288 0371289 0371290 0371291 0371292 0371293 0371294 0371295 0371296 0371297 0371298 0371299 0371300	0371265 0371266 0371267 0371268 0371269 0371270 0371271 0371272 0371273 0371274 0371275 0371276 0371277 0371278 0371279 0371280 0371281 0371282 0371283 0371284 0371285 0371286 0371287 0371288 0371289 0371290 0371291 0371292 0371293 0371294 0371295 0371296 0371297 0371298 0371299 0371300	0371265 0371266 0371267 0371268 0371269 0371270 0371271 0371272 0371273 0371274 0371275 0371276 0371277 0371278 0371279 0371280 0371281 0371282 0371283 0371284 0371285 0371286 0371287 0371288 0371289 0371290 0371291 0371292 0371293 0371294 0371295 0371296 0371297 0371298 0371299 0371300

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A		B		C		D		E		F	
CONN		CONN		CONN		CONN		CONN		CONN	
NO CARD 01		NO CARD 01		NO CARD 01		NO CARD 01		NO CARD 01		NO CARD 01	
B9.90.10.8		B9.90.10.8		B9.90.10.8		B9.90.10.8		B9.90.10.8		B9.90.10.9	
A		A		A		B		B		B	
CONN		CONN		CONN		CONN		CONN		CONN	
NO CARD 01		NO CARD 01		NO CARD 01		NO CARD 01		NO CARD 01		NO CARD 01	
B9.90.10.8		B9.90.10.8		B9.90.10.8		B9.90.10.8		B9.90.10.8		B9.90.10.9	
A		A		B		B		B		A	
D63-M0 0370347 04 B9.50.51.1 B9.50.51.1 B9.60.40.1 B9.60.20.1 B9.60.50.1		T0B-M3 0370389 04 B9.50.50.1 B9.60.40.1 B9.60.01.1		TCK-M3 0370536 13 B9.50.50.1 B9.60.40.1 B9.60.01.1 B9.60.51.1		CONN NO CARD 01 B9.90.10.8		CONN NO CARD 01 B9.90.10.8		CONN NO CARD 01 B9.90.10.9	
A		A		B		B		B		A	
D65-M0 0370347 06 B9.50.50.1 B9.50.50.1 B9.60.30.1 B9.60.30.1 B9.60.61.1		T0B-M3 0370389 04 B9.60.01.1 B9.60.51.1 B9.60.51.1		DCX-M6 0370468 02 B9.50.50.1 B9.60.51.1		TAB-M3 0370066 04 B9.60.50.1 B9.60.50.1 B9.60.50.1		CONN NO CARD 01 B9.90.10.8		OPEN NO CARD 01 B9.90.10.9	
A		B		C		D		A		B	
D65-M0 0370347 06 B9.60.61.1 B9.60.11.1 B9.60.02.1 B9.60.02.1 B9.60.02.1 B9.60.31.1		T0B-M3 0370389 04 B9.60.02.1		DBZ-M6 0370305 02 B9.60.51.1 B9.60.01.1		TAB-M3 0370066 04 B9.60.50.1 B9.60.50.1 B9.60.50.1		OPEN NO CARD 01 B9.90.10.8		OPEN NO CARD 01 B9.90.10.9	
A		B		C		D		A		B	
D64-M0 0370377 03 B9.60.02.1 B9.60.30.1 B9.60.02.1		D6U-M0 0370379 04 B9.50.50.1 B9.50.50.1 B9.50.51.1		OPEN NO CARD 01 B9.90.10.8		TAB-M3 0370066 04 B9.60.50.1 B9.60.50.1 B9.60.50.1		OPEN NO CARD 01 B9.90.10.8		OPEN NO CARD 01 B9.90.10.9	
A		B		C		D		A		B	
D65-M0 0370347 06 B9.60.31.1 B9.60.31.1 B9.60.31.1 B9.60.40.1		D6U-M0 0370379 04 B9.60.02.1 B9.60.01.1 B9.60.02.1 B9.60.01.1		DCX-M6 0370468 02 B9.60.51.1 B9.60.51.1		TAB-M6 0370066 04 B9.60.50.1 B9.60.50.1 B9.60.30.1		OPEN NO CARD 01 B9.90.10.8		OPEN NO CARD 01 B9.90.10.9	
E		F		B		B		B		B	
D6K-M0 0370376 02 B9.60.02.1 B9.60.02.1		DFJ-M0 0370232 12 B9.60.02.1 B9.60.02.1 B9.60.20.1 B9.60.10.1 B9.60.10.1 B9.60.02.1		DBZ-M6 0370385 02 B9.60.01.1 B9.60.01.1		TAB-M6 0370066 04 B9.60.50.1 B9.60.50.1		KA-OV 0371546 04 74.11.91.2 74.11.91.2 74.11.91.2 74.11.91.2		OPEN NO CARD 01 B9.90.10.9	
A		B		C		D		A		B	
D6X-M0 0370376 02 B9.60.31.1 B9.60.31.1		DFO-M0 0370225 03 B9.60.50.1 B9.60.50.1		DBZ-M6 0370385 02 B9.60.51.1 B9.60.02.1		TCK-M3 0370384 13 B9.60.51.1		KA-OV 0371546 04 74.11.91.2 74.11.91.2 74.11.91.2 74.11.91.2		OPEN NO CARD 01 B9.90.10.9	
A		B		C		D		A		B	
DEZ-M0 0370373 01 B9.60.02.1 B9.60.02.1		DHB-M0 0370348 06 B9.60.01.1 B9.50.52.1 B9.60.51.1 B9.60.50.1		D6U-M0 0370377 03 B9.60.02.1 B9.60.02.1 B9.60.50.1		DBZ-M6 0370385 02 B9.60.10.1 B9.60.10.1		KA-OV 0371546 04 74.11.91.2 74.11.91.2		OPEN NO CARD 01 B9.90.10.9	
A		B		C		D		A		B	
DFR-M0 0370226 04 B9.60.10.1 B9.60.07.1 B9.60.02.1		D6V-M0 0370375 02 B9.60.40.1 B9.60.20.1		D6U-M0 0370379 04 B9.60.31.1 B9.60.51.1 B9.60.40.1		DHC-M0 0370372 06 B9.60.20.1 B9.60.02.1 B9.60.51.1 B9.60.40.1 B9.60.50.1 B9.60.02.1		DHC-M0 0370372 06 B9.60.40.1 B9.60.02.1		OPEN NO CARD 01 B9.90.10.9	
A		B		C		D		A		B	
D6U-M0 0370379 04 B9.60.30.1 B9.60.11.1 B9.60.11.1		DFR-M0 0370226 04 B9.60.30.1 B9.60.30.1 B9.60.11.1		D6T-M0 0370380 04 B9.50.52.1 B9.60.11.1 B9.60.50.1		DHB-M0 0370348 06 B9.60.50.1 B9.60.40.1 B9.60.02.1 B9.60.10.1		OPEN NO CARD 01 B9.90.10.8		OPEN NO CARD 01 B9.90.10.9	
A		B		C		D		A		B	
D6V-M0 0370378 03 B9.40.61.1 B9.60.30.1 B9.60.11.1		D6T-M0 0370380 04 B9.60.30.1 B9.60.30.1 B9.40.61.1 B9.60.02.1		DFO-M0 0370225 03 B9.60.30.1 B9.60.11.1		DFR-M0 0370226 04 B9.50.52.1 B9.60.31.1 B9.60.40.1 B9.60.01.1		OPEN NO CARD 01 B9.90.10.8		OPEN NO CARD 01 B9.90.10.9	
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OPEN NO CARD 01 B9.90.10.8		DHC-M0 0370372 06 B9.60.02.1 B9.60.01.1 B9.40.61.1 B9.50.50.1 B9.60.01.1 B9.60.31.1		D6V-M0 0370378 03 B9.60.31.1 B9.60.31.1 B9.60.31.1		D6V-M0 0370378 03 B9.50.50.1 B9.60.31.1		OPEN NO CARD 01 B9.90.10.8		OPEN NO CARD 01 B9.90.10.9	

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15	DGT- NS 0370373 01 09.68.18.1 09.68.18.1	DGT- NS 0370373 01 09.68.18.1 09.68.18.1	DGT- NS 0370373 01 09.68.18.1 09.68.18.1	DGT- NS 0370373 01 09.68.18.1 09.68.18.1	NO CARD 01 09.98.18.9	NO CARD 01 09.98.18.9
16	DGT- NS 0370373 01 09.68.18.1 09.68.18.1	DGT- NS 0370373 01 09.68.18.1 09.68.18.1	DGT- NS 0370373 01 09.68.18.1 09.68.18.1	CH- OV 0371266 03 75.11.01.2 75.11.01.2	NO CARD 01 09.98.18.9	NO CARD 01 09.98.18.9
17	DGT- NS 0370373 01 09.68.18.1 09.68.18.1	DGT- NS 0370373 01 09.68.18.1 09.68.18.1	DGT- NS 0370373 01 09.68.18.1 09.68.18.1	CH- OV 0371266 03 75.11.01.2 75.11.01.2	NO CARD 01 09.98.18.9	NO CARD 01 09.98.18.9
18	DGT- NS 0370373 01 09.68.18.1 09.68.18.1	RE NOTE 003	DGT- NS 0370373 01 09.68.18.1 09.68.18.1	CH- OV 0371266 03 75.11.01.2 75.11.01.2	NO CARD 01 09.98.18.9	NO CARD 01 09.98.18.9
19	DGT- NS 0370373 01 09.68.18.1 09.68.18.1	NO CARD 01 09.98.18.9	NO CARD 01 09.98.18.9	CH- OV 0371266 03 75.11.01.2 75.11.01.2	NO CARD 01 09.98.18.9	NO CARD 01 09.98.18.9
20	DGT- NS 0370373 01 09.68.18.1 09.68.18.1	DGT- NS 0370373 01 09.68.18.1 09.68.18.1	DGT- NS 0370373 01 09.68.18.1 09.68.18.1	CH- OV 0371266 03 75.11.01.2 75.11.01.2	NO CARD 01 09.98.18.9	NO CARD 01 09.98.18.9
21	DGT- NS 0370373 01 09.68.18.1 09.68.18.1	DGT- NS 0370373 01 09.68.18.1 09.68.18.1	DGT- NS 0370373 01 09.68.18.1 09.68.18.1	CH- OV 0371266 03 75.11.01.2 75.11.01.2	NO CARD 01 09.98.18.9	NO CARD 01 09.98.18.9
22	DGT- NS 0370373 01 09.68.18.1 09.68.18.1	DGT- NS 0370373 01 09.68.18.1 09.68.18.1	DGT- NS 0370373 01 09.68.18.1 09.68.18.1	CH- OV 0371266 03 75.11.01.2 75.11.01.2	NO CARD 01 09.98.18.9	NO CARD 01 09.98.18.9
23	NO CARD 01 09.98.18.9	NO CARD 01 09.98.18.9	NO CARD 01 09.98.18.9	CH- OV 0371266 03 75.11.01.2 75.11.01.2	NO CARD 01 09.98.18.9	NO CARD 01 09.98.18.9
24	NO CARD 01 09.98.18.9	NO CARD 01 09.98.18.9	NO CARD 01 09.98.18.9	CH- OV 0371266 03 75.11.01.2 75.11.01.2	NO CARD 01 09.98.18.9	NO CARD 01 09.98.18.9
25	NO CARD 01 09.98.18.9	NO CARD 01 09.98.18.9	NO CARD 01 09.98.18.9	CH- OV 0371266 03 75.11.01.2 75.11.01.2	NO CARD 01 09.98.18.9	NO CARD 01 09.98.18.9
26	NO CARD 01 09.98.18.9	NO CARD 01 09.98.18.9	NO CARD 01 09.98.18.9	CH- OV 0371266 03 75.11.01.2 75.11.01.2	NO CARD 01 09.98.18.9	NO CARD 01 09.98.18.9

DATE 28.8.68
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CIRCUIT CARD LOCATION CHART
REMARKS

OSKA

1961 89-98-51-1

196793 DATE JUN 25, 1963

NOTE 1
89-68-51-1 89-68-02-1

NOTE 2
89-68-48-1 89-68-51-1 89-68-48-1 89-68-38-1

NOTE 3
89-68-02-1 89-50-38-1 89-68-02-1 89-50-50-1

DATE 28.8.63
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CIRCUIT CARD LOCATION CHART

BOXB

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SHEET 1

DATE AUG 08, 1963

REMARKS

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A	B	C	D	E	F
CONN NO CARD 01 89.90.11.9	CONN NO CARD 01 89.90.11.9	CONN NO CARD 01 89.90.11.9	CONN NO CARD 01 89.90.11.9	CONN NO CARD 01 89.90.11.9	CONN NO CARD 01 89.90.11.9
A	A	A	A	A	B
CONN NO CARD 01 89.90.11.9	CONN NO CARD 01 89.90.11.9	CONN NO CARD 01 89.90.11.9	CONN NO CARD 01 89.90.11.9	CONN NO CARD 01 89.90.11.9	DHE- M0 0370262 02 89.30.56.1
A	A	A	A	A	B
DGS- M0 0370347 06 89.30.10.1 89.30.10.1 89.30.11.1 89.30.11.1	DGS- M0 0370347 06 89.10.20.1 89.10.20.1 89.10.20.1 89.20.20.1	DGS- M0 0370347 06 89.30.42.1 89.30.42.1 89.30.42.1 89.30.43.1	DHA- M6 0370374 01 89.30.53.1 89.30.53.1	PP- M0 0371365 04 89.30.31.1 89.30.31.1	DHE- M6 0370262 02 89.10.31.1
E F				C D	B
DGS- M0 0370347 06 89.20.20.1 89.20.20.1 89.30.40.1 89.30.40.1 89.30.40.1	DGS- M3 0370347 06 89.30.56.1 89.30.56.1	DHE- M3 0370350 02 89.30.43.1 89.30.43.1 89.30.43.1 89.30.43.1	DHB- M0 0370348 06 89.20.11.1 89.30.50.1 89.30.50.1 89.30.51.1	DGY- M0 0370375 02 89.30.54.1 89.30.54.1	DHE- M0 0370262 02 89.30.31.1
OPEN NO CARD 01 89.90.11.9	DFJ- M0 0370232 12 89.10.31.1 89.30.31.1 89.30.50.1 89.30.51.1 89.30.52.1 89.20.11.1	DHF- M0 0370350 02 89.30.43.1 89.30.43.1 89.30.43.1 89.30.43.1	CGX- M0 0370376 02 89.30.41.1 89.30.41.1	DFJ- M0 0370232 12 89.30.51.1 89.30.52.1 89.30.53.1 89.30.54.1 89.30.54.1	DHE- M0 0370262 02 89.30.50.1
B	RE NOTE001		E	RE NOTE002	B
DGZ- M3 0370373 01 89.30.55.1 89.30.55.1	DGT- M0 0370300 04 89.20.10.1 89.30.11.1 89.30.52.1 89.10.20.1	DHF- M0 0370350 02 89.30.42.1 89.30.42.1 89.30.42.1 89.30.42.1	DGT- M0 0370300 04 89.30.51.1 89.30.51.1 89.20.11.1 89.30.52.1	DGJ- M0 0370379 04 89.30.51.1 89.30.55.1 89.30.56.1	DHE- M0 0370262 02 89.30.51.1
	DHA- M3 0370374 01 89.30.53.1 89.30.53.1	DHF- M0 0370350 02 89.30.42.1 89.30.42.1 89.30.42.1 89.30.42.1	DGZ- M6 0370373 01 89.30.51.1 89.30.51.1	DGX- M3 0370376 02 89.30.52.1 89.30.52.1	DHA- M0 0370374 01 89.30.31.1 89.30.31.1
DGY- M3 0370375 02 89.30.55.1 89.30.55.1	DGX- M0 0370376 02 89.30.52.1 89.30.53.1	DHF- M0 0370350 02 89.30.40.1 89.30.41.1 89.30.41.1 89.30.41.1 89.30.40.1	DGZ- M3 0370373 01 89.30.51.1 89.30.51.1	DGX- M0 0370376 02 89.30.52.1 89.30.52.1	DGY- M0 0370375 02 89.30.31.1 89.30.53.1
DGX- M0 0370375 02 89.30.41.1 89.30.42.1	DGZ- M0 0370373 01 89.30.52.1 89.30.52.1	DHF- M0 0370350 02 89.30.40.1 89.30.40.1 89.30.40.1 89.30.40.1	DGZ- M6 0370373 01 89.30.51.1 89.30.51.1	DGX- M0 0370376 02 89.30.50.1 89.30.50.1	DFJ- M0 0370232 12 89.30.31.1 89.30.31.1 89.20.30.1 89.20.30.1 89.30.55.1 89.30.50.1
DHA- M6 0370374 01 89.30.54.1 89.30.54.1	DHB- M0 0370348 06 89.30.51.1 89.30.54.1 89.30.54.1 89.20.11.1	DGY- M6 0370375 02 89.30.54.1 89.30.55.1	DGY- M6 0370375 02 89.30.54.1 89.30.54.1	DGY- M3 0370376 02 89.30.54.1 89.30.54.1	DHC- M0 0370372 06 89.30.31.1 89.30.50.1 89.30.31.1 89.30.54.1 89.30.20.1 89.30.31.1
JB- M1 0371245 01 89.30.20.1	TDC- M2 0370401 01 89.30.20.1	DHA- M0 0370374 01 89.30.50.1 89.30.50.1	DGT- M0 0370373 01 89.30.50.1 89.30.50.1	DGV- M0 0370378 03 89.30.50.1 89.30.40.1 89.30.53.1	DGZ- M3 0370373 01 89.30.53.1
DHB- M0 0370348 06 89.30.11.1 89.30.20.1 89.30.20.1 89.30.31.1	DGV- M0 0370379 04 89.30.40.1 89.30.20.1 89.30.56.1	DEF- M0 0370216 04 89.30.20.1 89.30.20.1 89.30.20.1 89.30.40.1	DFR- M0 0370226 04 89.30.20.1 89.30.31.1 89.30.31.1 89.30.56.1	DGV- M0 0370377 03 89.20.30.1 89.30.10.1	DGV- M0 0370379 04 89.20.30.1 89.20.30.1 89.30.10.1 89.30.10.1
B E	DGT- M0 0370380 04 89.30.20.1 89.30.40.1 89.30.52.1 89.30.20.1	DHC- M0 0370372 06 89.10.31.1 89.10.31.1 89.30.10.1 89.30.40.1	DGX- M0 0370376 02 89.30.10.1 89.30.52.1	DFR- M0 0370226 04 89.30.11.1 89.20.30.1 89.10.30.1	DFR- M0 0370226 04 89.30.31.1 89.20.10.1 89.30.20.1 89.10.31.1
DEF- M0 0370216 04 89.30.11.1 89.30.20.1 89.30.20.1 89.30.20.1	DGX- M0 0370376 02 89.20.30.1 89.30.20.1	DGX- M0 0370376 02 89.20.30.1 89.30.10.1	DGX- M0 0370376 02 89.20.30.1 89.20.30.1	DGX- M0 0370376 02 89.20.30.1 89.20.30.1	DFR- M0 0370226 04 89.10.11.1 89.30.10.1 89.20.10.1 89.30.20.1

DATE 29.10.63
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	A	B	C	D	E	F
15	DGV-M0 0370370 03 B9.30.10.1 B9.30.11.1 B9.30.40.1	DGU-M0 0370379 04 B9.30.11.1 B9.30.11.1 B9.30.55.1 B9.30.50.1	DGT-M0 0370380 04 B9.10.31.1 B9.10.31.1 B9.10.31.1 B9.20.11.1	DGT-M0 0370380 04 B9.20.20.1 B9.20.30.1 B9.10.31.1 B9.30.11.1	DGY-M0 0370375 02 B9.10.31.1 B9.20.20.1	DGV-M0 0370378 03 B9.10.31.1 B9.10.31.1 B9.20.20.1
16	DGV-M0 0370377 03 B9.30.10.1 B9.30.52.1 B9.30.52.1	DGT-M0 0370380 04 B9.30.10.1 B9.20.11.1 B9.30.10.1 B9.30.11.1	DGU-M0 0370379 04 B9.10.31.1 B9.10.31.1 B9.10.31.1	DHB-M0 0370348 06 B9.10.30.1 B9.10.30.1 B9.10.31.1 B9.20.10.1 B9.20.10.1	DGY-M0 0370375 02 B9.10.30.1 B9.10.30.1	DGV-M0 0370375 02 B9.10.20.1 B9.10.30.1
17	DHA-M2 0370374 01 B9.30.51.1 B9.30.51.1	AJT-M0 0370564 05 B9.20.10.1 B9.10.10.1	DGV-M0 0370378 03 B9.20.20.1 B9.10.20.1 B9.20.11.1	DGX-M0 0370376 02 B9.10.20.1 B9.20.20.1	DGZ-M3 0370373 01 B9.30.55.1	DEF-M0 0370216 04 B9.10.31.1 B9.10.31.1 B9.20.10.1 B9.20.10.1
18	NO CARD 01 B9.90.11.9	DHF-M0 0370350 02 B9.20.20.1 B9.20.20.1 B9.20.20.1 B9.20.20.1 B9.20.20.1 B9.20.20.1 B9.20.20.1	DGT-M0 0370380 04 B9.20.10.1 B9.10.20.1 B9.20.20.1 B9.20.10.1	DFQ-M0 0370225 03 B9.10.10.1 B9.10.10.1 B9.30.54.1	DHF-M0 0370350 02 B9.10.20.1 B9.10.20.1 B9.10.20.1 B9.10.20.1 B9.10.20.1 B9.10.20.1 B9.10.20.1	DHF-M0 0370350 02 B9.10.20.1 B9.10.20.1 B9.10.20.1 B9.10.20.1 B9.10.20.1 B9.10.20.1 B9.10.20.1
19	DHB-M0 0370348 06 B9.20.11.1 B9.20.30.1 B9.20.30.1 B9.20.30.1 B9.30.10.1 B9.30.10.1	DHF-M0 0370350 02 B9.20.20.1 B9.20.20.1 B9.20.20.1 B9.20.20.1 B9.20.20.1 B9.20.20.1 B9.20.20.1	DFJ-M0 0370252 12 B9.10.10.1 B9.10.31.1 B9.10.31.1 B9.30.52.1 B9.30.52.1 B9.30.52.1 B9.30.52.1	DGV-M0 0370378 03 B9.10.10.1 B9.20.10.1 B9.10.20.1	DHD-M0 0370371 12 B9.10.30.1 B9.30.10.1 B9.10.30.1 B9.10.30.1 B9.30.10.1 B9.30.10.1 B9.30.20.1 B9.20.20.1	DGU-M0 0370379 04 B9.10.10.1 B9.20.10.1 B9.20.10.1 B9.10.31.1
20	NO CARD 01 B9.90.11.9	DEJ-M4 0370219 03 B9.10.10.1 B9.20.10.1 B9.20.10.1	DGU-M3 0370379 04 B9.10.10.1 B9.10.10.1 B9.20.10.1 B9.20.10.1	DGW-M2 0370377 03 B9.10.10.1 B9.10.10.1 B9.20.10.1	DFR-M0 0370226 04 B9.10.10.1 B9.10.20.1 B9.10.31.1 B9.30.10.1	DGT-M0 0370380 04 B9.10.20.1 B9.20.11.1 B9.10.31.1 B9.10.31.1
21	NO CARD 01 B9.90.11.9	DGZ-M0 0370373 01 B9.30.55.1 B9.30.55.1	DGU-M0 0370379 04 B9.30.11.1	DFR-M0 0370226 04 B9.10.10.1 B9.10.31.1	DHD-M0 0370371 12 B9.10.30.1	DFQ-M0 0370225 03 B9.20.10.1 B9.30.20.1 B9.30.20.1
22	TDD-M3 0370400 03 B9.20.10.1	TDE-M2 0370399 03 B9.20.10.1	TDS-M4 0370397 03 B9.20.10.1	TBO-M3 0370225 03 B9.10.10.1	TBS-M2 0370298 01 B9.10.10.1	TBR-M4 0370297 01 B9.10.10.1
23	TDF-M3 0370398 03 B9.20.10.1	TDH-M2 0370396 03 B9.20.10.1	TDK-M5 0370551 03 B9.20.10.1	TBG-M3 0370295 01 B9.10.10.1	DAZ-M2 0370127 01 B9.10.10.1	TBV-M5 0370299 01 B9.10.10.1
24	NO CARD 01 B9.90.11.9	DGY-M0 0370375 02 B9.30.52.1 B9.20.11.1	DHC-M0 0370372 06 B9.30.52.1 B9.30.52.1 B9.30.55.1 B9.10.31.1	DGW-M2 0370377 03 B9.20.11.1 B9.20.11.1	YFM-M8 0370018 01 B9.20.10.1	DGT-M8 0370380 04 B9.20.10.1 B9.20.11.1 B9.20.11.1 B9.20.11.1
25	NO CARD 01 B9.90.11.9	DHA-OVT 0370374 01 B9.30.52.1 B9.30.52.1	NO CARD 01 B9.90.11.9	NO CARD 01 B9.90.11.9	NO CARD 01 B9.90.11.9	DGV-M8 0370375 02 B9.20.11.1 B9.20.11.1
26	NO CARD 01 B9.90.11.9	NO CARD 01 B9.90.11.9	NO CARD 01 B9.90.11.9	NO CARD 01 B9.90.11.9	NO CARD 01 B9.90.11.9	NO CARD 01 B9.90.11.9

DATE 20.10.82
TA 1990A

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Yes

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CIRCUIT CARD LOCATION CHART

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REMARKS

NOTE 1
B9.20.11.1 B9.20.11.1 B9.20.11.1

NOTE 2
B9.30.54.1 B9.30.55.1 B9.30.55.1 B9.30.54.1

NOTE 3
B9.30.50.1 B9.30.31.1 B9.10.30.1

NOTE 4
B9.10.31.1 B9.10.31.1 B9.30.11.1

NOTE 5
B9.30.54.1 B9.30.31.1 B9.20.30.1 B9.10.31.1

DATE 29.10.63

TA 1990A

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A	B	C	D	E	F
CONN NO-CARD 01 B9.90.12.9	CONN NO-CARD 01 B9.90.12.9	CONN NO-CARD 01 B9.90.12.9	CONN NO-CARD 01 B9.90.12.9	CONN NO-CARD 01 B9.90.12.9	CONN NO-CARD 01 B9.90.12.9
CONN NO-CARD 01 B9.90.12.9	CONN NO-CARD 01 B9.90.12.9	CONN NO-CARD 01 B9.90.12.9	CONN NO-CARD 01 B9.90.12.9	CONN NO-CARD 01 B9.90.12.9	CONN NO-CARD 01 B9.90.12.9
OPEN NO-CARD 01 B9.90.12.9	DGS- MG 0370347 06 B9.40.23.1 B9.40.23.1 B9.40.23.1 B9.50.23.1 B9.50.40.1	DGS- MG 0370347 06 B9.40.20.1 B9.40.20.1 B9.40.20.1 B9.40.20.1 B9.40.21.1	OPEN NO-CARD 01 B9.90.12.9	OPEN NO-CARD 01 B9.90.12.9	OPEN NO-CARD 01 B9.90.12.8
DGS- MG 0370347 06 B9.50.40.1 B9.50.41.1 B9.50.41.1 B9.50.41.1 B9.50.40.1	OPEN NO-CARD 01 B9.90.12.9	DGS- MG 0370347 06 B9.40.21.1 B9.40.21.1 B9.40.22.1 B9.40.22.1 B9.40.22.1 B9.40.22.1	OPEN NO-CARD 01 B9.90.12.9	OPEN NO-CARD 01 B9.90.12.9	OPEN NO-CARD 01 B9.90.12.8
OPEN NO-CARD 01 B9.90.12.9	OPEN NO-CARD 01 B9.90.12.9	DHK- MG 0370349 09 B9.40.20.1 B9.40.20.1 B9.40.20.1 B9.40.20.1 B9.40.20.1 B9.40.20.1 SEE NOTE 01	YCC- MG 0370421 01 B9.40.10.1	DZA- MG UNDEFIN * B9.40.10.1	YBY- MG 0370417 01 B9.40.10.1
OPEN NO-CARD 01 B9.90.12.9	DHH- MG 0370358 06 B9.50.30.1 B9.50.30.1 B9.50.30.1 B9.50.30.1	OPEN NO-CARD 01 B9.90.12.9	YCC- MG 0370421 01 B9.40.10.1	OPEN NO-CARD 01 B9.90.12.9	OPEN NO-CARD 01 B9.90.12.8
OPEN NO-CARD 01 B9.90.12.9	DHC- MG 0370372 06 B9.40.12.1 B9.40.12.1 B9.40.12.1 B9.50.30.1 B9.46.12.1	DHK- MG 0370349 09 B9.40.20.1 B9.40.20.1 B9.40.20.1 B9.40.20.1 B9.40.20.1 B9.40.20.1 SEE NOTE 02	YCC- MG 0370421 01 B9.40.10.1	DZA- MG UNDEFIN * B9.40.10.1	YBY- MG 0370417 01 B9.40.10.1
OPEN NO-CARD 01 B9.90.12.9	DHJ- MG 0370352 11 B9.50.10.1 B9.50.10.1 B9.50.10.1 B9.50.10.1 B9.50.10.1 B9.50.10.1 SEE NOTE 03	DFR- MG 0370228 04 B9.40.20.1 B9.40.20.1 B9.40.21.1 B9.50.10.1	YCC- MG 0370421 01 B9.40.10.1	OPEN NO-CARD 01 B9.90.12.9	OPEN NO-CARD 01 B9.90.12.8
OPEN NO-CARD 01 B9.90.12.9	DEF- MG 0370216 04 B9.40.10.1 B9.50.10.1 B9.50.10.1	DHK- MG 0370349 09 B9.40.21.1 B9.40.21.1 B9.40.21.1 B9.40.21.1 B9.40.21.1 B9.40.21.1 SEE NOTE 04	YCC- MG 0370421 01 B9.40.10.1	DZA- MG UNDEFIN * B9.40.10.1	YBY- MG 0370417 01 B9.40.10.1
DHD- MG 0370371 18 B9.50.20.1 B9.50.30.1 B9.50.20.1 B9.50.30.1	DEF- MG 0370216 04 B9.50.10.1 B9.50.10.1	DFJ- MG 0370232 18 B9.40.12.1 B9.40.12.1 B9.40.12.1 B9.40.12.1 B9.40.12.1 B9.40.12.1 B9.40.12.1 B9.40.12.1 SEE NOTE 05	YCC- MG 0370421 01 B9.40.10.1		OPEN NO-CARD 01 B9.90.12.8
14 MISSING CIRCUITS	02	SEE NOTE 05			
DGG- MG 0370217 04 B9.50.10.1 B9.50.30.1 B9.50.30.1	DHH- MG 0370358 06 B9.50.30.1 B9.50.30.1 B9.50.30.1 B9.40.10.1 B9.40.10.1 B9.40.10.1	DHC- MG 0370372 06 B9.40.12.1 B9.40.12.1 B9.40.12.1 B9.40.12.1 B9.40.12.1 B9.40.12.1 B9.40.12.1	YCC- MG 0370421 01 B9.40.10.1	YCB- MG 0370420 03 B9.40.10.1 B9.40.10.1	YCA- MG UNDEFIN * B9.40.10.1
DGY- MG 0370375 02 B9.50.30.1 B9.50.30.1	OPEN NO-CARD 01 B9.90.12.9	DHK- MG 0370349 09 B9.40.21.1 B9.40.21.1 B9.40.21.1 B9.40.21.1 B9.40.21.1 B9.40.21.1 B9.40.21.1 SEE NOTE 06	YCC- MG 0370421 01 B9.40.10.1	DZA- MG UNDEFIN * B9.40.10.1	YBY- MG 0370417 01 B9.40.10.1
OPEN NO-CARD 01 B9.90.12.9	DHH- MG 0370358 06 B9.50.30.1 B9.50.30.1 B9.50.30.1 B9.50.30.1 B9.50.30.1	DFJ- MG 0370232 18 B9.40.10.1 B9.50.20.1 B9.50.30.1 B9.40.20.1 B9.40.20.1 B9.40.20.1 14 MISSING CIRCUITS	YCC- MG 0370421 01 B9.40.10.1	OPEN NO-CARD 01 B9.90.12.9	OPEN NO-CARD 01 B9.90.12.8

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- NOTE 01 B9.40.20.
- NOTE 02 B9.40.20.
- NOTE 03 B9.50.10.1 B9.50.10.1
- NOTE 04 B9.40.21.
- NOTE 05 B9.40.12.1 B9.40.12.1 B9.40.12.1
- NOTE 06 B9.40.21.

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UNIT PLUGGING CHART

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41.50.00.2 SHEET 1 OF 2 DATE AUG 29, 1942

REMARKS

A	B	C	D	E	F
CJVV IN 0371261 03 41.50.00.2	CGVV IN 0371262 03 41.50.00.2	CHVV IN 0371252 03 41.50.00.2	CHVV IN 0371245 03 41.50.00.2	CGVV IN 0371261 03 41.50.00.2	CKVV CB 0371254 02 41.50.00.2
CLVO IN 0371255 03 41.50.00.2	3JHX IN 0370181 02 41.50.00.2	PO IN 0371252 03 41.50.00.2	CGVV IN 0371261 03 41.50.00.2	CLVO IN 0371255 03 41.50.00.2	CHVV CB 0371254 02 41.50.00.2
CJVV IN 0371261 02 41.50.00.2	3JHX IN 0370181 02 41.50.00.2	CHVV IN 0371252 03 41.50.00.2	JHVB IN 0371274 04 41.50.00.2	CKVF IN 0371270 02 41.50.00.2	JFVN IN 0371577 04 41.50.00.2
CKVF IN 0371270 02 41.50.00.2	3JHX IN 0370181 02 41.50.00.2	PO IN 0371252 03 41.50.00.2	CRZY IN 0371275 04 41.50.00.2	CKVV IN 0371269 02 41.50.00.2	CKVV CB 0371269 02 41.50.00.2
CHVV IN 0371252 03 41.50.00.2	CO IN 0371262 03 41.50.00.2	3JHX IN 0370181 02 41.50.00.2	CLVT IN 0371275 04 41.50.00.2	CRZY IN 0371275 04 41.50.00.2	CLVO IN 0371255 03 41.50.00.2
COZY IN 0371275 04 41.50.00.2	CO IN 0371262 03 41.50.00.2	3JHX IN 0370181 02 41.50.00.2	COZY IN 0371275 04 41.50.00.2	CKVF IN 0371270 02 41.50.00.2	JHVB CB 0371274 04 41.50.00.2
JHVB IN 0371274 04 41.50.00.2	COZY IN 0371275 04 41.50.00.2	COZY IN 0371275 04 41.50.00.2	COZY IN 0371275 04 41.50.00.2	CHVV IN 0371252 03 41.50.00.2	JHVB CB 0371274 04 41.50.00.2
COZY IN 0371275 04 41.50.00.2	COZY IN 0371275 04 41.50.00.2	COZY IN 0371275 04 41.50.00.2	COZY IN 0371275 04 41.50.00.2	CHVV IN 0371252 03 41.50.00.2	CKVF CB 0371270 02 41.50.00.2
JHVB IN 0371274 04 41.50.00.2	COZY IN 0371275 04 41.50.00.2	COZY IN 0371275 04 41.50.00.2	COZY IN 0371275 04 41.50.00.2	CHVV IN 0371252 03 41.50.00.2	CKVF CB 0371270 02 41.50.00.2
JHVB IN 0371274 04 41.50.00.2	COZY IN 0371275 04 41.50.00.2	COZY IN 0371275 04 41.50.00.2	COZY IN 0371275 04 41.50.00.2	CHVV IN 0371252 03 41.50.00.2	CKVF CB 0371270 02 41.50.00.2
JHVB IN 0371274 04 41.50.00.2	COZY IN 0371275 04 41.50.00.2	COZY IN 0371275 04 41.50.00.2	COZY IN 0371275 04 41.50.00.2	CHVV IN 0371252 03 41.50.00.2	CKVF CB 0371270 02 41.50.00.2

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TA 1631

	A	B	C	D	E	F
14	CHVV IN 037126 IN 41.50.11.2 41.50.11.2 41.50.11.2	3JMX IN 037014 IN 41.50.61.2 41.50.61.2 41.50.61.2	3JMX IN 037014 IN 41.50.61.2 41.50.61.2 41.50.61.2	CBVV IN 037126 IN 41.50.11.2 41.50.11.2 41.50.11.2	CKVU IN 037126 IN 41.50.11.2 41.50.11.2 41.50.11.2	CLVO IN 037126 IN 41.50.11.2 41.50.11.2 41.50.11.2
15	CKVU IN 037126 IN 41.50.11.2 41.50.11.2 41.50.11.2	CJWF IN 037126 IN 41.50.61.2 41.50.61.2 41.50.61.2	3JMX IN 037014 IN 41.50.61.2 41.50.61.2 41.50.61.2	JHVV IN 037156 IN 41.50.11.2 41.50.11.2 41.50.11.2	CU IN 037153 IN 41.51.31.2 41.51.31.2 41.51.31.2	CGZV IN 037127 IN 41.50.31.2 41.50.31.2 41.50.31.2
16	4JMX IN 037014 IN 41.50.11.2 41.50.11.2 41.50.11.2	CKVU IN 037126 IN 41.51.21.2 41.50.71.2 41.50.71.2	4JMX IN 037014 IN 41.50.11.2 41.50.11.2 41.50.11.2	JHVB IN 037107 IN 41.50.11.2 41.50.11.2 41.50.11.2	CJWF IN 037126 IN 41.50.11.2 41.50.11.2 41.50.11.2	CJWF IN 037126 IN 41.50.11.2 41.50.11.2 41.50.11.2
17	CHVV IN 037125 IN 41.50.11.2 41.50.11.2 41.50.11.2	CKWF IN 037126 IN 41.50.71.2 41.50.71.2 41.50.71.2	4JMX IN 037014 IN 41.50.11.2 41.50.11.2 41.50.11.2	COZT IN 037127 IN 41.50.11.2 41.50.11.2 41.50.11.2	CLVS IN 037107 IN 41.50.11.2 41.50.11.2 41.50.11.2	CLVO IN 037125 IN 41.50.11.2 41.50.11.2 41.50.11.2
18	CJYC IN 037107 IN 41.50.11.2 41.50.11.2 41.50.11.2	CU IN 037153 IN 41.50.71.2 41.50.71.2 41.50.71.2	CR IN 037127 IN 41.50.11.2 41.50.11.2 41.50.11.2	CJWF IN 037126 IN 41.50.11.2 41.50.11.2 41.50.11.2	CJYC IN 037107 IN 41.50.11.2 41.50.11.2 41.50.11.2	CKVU IN 037126 IN 41.50.11.2 41.50.11.2 41.50.11.2
19	CBVV IN 037125 IN 41.50.11.2 41.50.11.2 41.50.11.2	CHVV IN 037125 IN 41.50.11.2 41.50.11.2 41.50.11.2	COZT IN 037127 IN 41.50.11.2 41.50.11.2 41.50.11.2	CRZV IN 037127 IN 41.50.11.2 41.50.11.2 41.50.11.2	JLVB IN 037107 IN 41.50.11.2 41.50.11.2 41.50.11.2	CKWF IN 037125 IN 41.50.11.2 41.50.11.2 41.50.11.2
20	CU IN 037153 IN 41.50.21.2 41.50.21.2 41.50.21.2	CJYC IN 037107 IN 41.50.71.2 41.50.71.2 41.50.71.2	3JMX IN 037014 IN 41.50.11.2 41.50.11.2 41.50.11.2	CU IN 037153 IN 41.51.11.2 41.51.11.2 41.51.11.2	UNDEF IN 41.50.81.2 41.50.81.2 41.50.81.2	JHVB IN 037107 IN 41.50.31.2 41.50.31.2 41.50.31.2
21	CU IN 037153 IN 41.50.21.2 41.50.21.2 41.50.21.2	CHVV IN 037125 IN 41.50.11.2 41.50.11.2 41.50.11.2	CG IN 037126 IN 41.50.11.2 41.50.11.2 41.50.11.2	CJVV IN 037126 IN 41.51.11.2 41.51.11.2 41.51.11.2	UNDEF IN 41.50.81.2 41.50.81.2 41.50.81.2	CJYC IN 037107 IN 41.50.31.2 41.50.31.2 41.50.31.2
22	CU IN 037153 IN 41.50.21.2 41.50.21.2 41.50.21.2	CLVR IN 037107 IN 41.50.11.2 41.50.11.2 41.50.11.2	CO IN 037127 IN 41.50.11.2 41.50.11.2 41.50.11.2	CHVV IN 037126 IN 41.50.11.2 41.50.11.2 41.50.11.2	UNDEF IN 41.50.81.2 41.50.81.2 41.50.81.2	CLVR IN 037107 IN 41.50.11.2 41.50.11.2 41.50.11.2
23	CU IN 037153 IN 41.50.21.2 41.50.21.2 41.50.21.2	CJWF IN 037126 IN 41.50.71.2 41.50.71.2 41.50.71.2	CG IN 037126 IN 41.50.11.2 41.50.11.2 41.50.11.2	CJWF IN 037126 IN 41.50.11.2 41.50.11.2 41.50.11.2	UNDEF IN 41.50.81.2 41.50.81.2 41.50.81.2	CKVU IN 037125 IN 41.50.11.2 41.50.11.2 41.50.11.2
24	CU IN 037153 IN 41.50.21.2 41.50.21.2 41.50.21.2	JLVB IN 037107 IN 41.50.11.2 41.50.11.2 41.50.11.2	CG IN 037126 IN 41.50.11.2 41.50.11.2 41.50.11.2	CKVU IN 037126 IN 41.50.11.2 41.50.11.2 41.50.11.2	UNDEF IN 41.50.81.2 41.50.81.2 41.50.81.2	CU IN 037153 IN 41.50.41.2 41.50.41.2 41.50.41.2
25	CU IN 037153 IN 41.50.21.2 41.50.21.2 41.50.21.2	CKVU IN 037126 IN 41.50.11.2 41.50.11.2 41.50.11.2	CG IN 037126 IN 41.50.11.2 41.50.11.2 41.50.11.2	COZT IN 037127 IN 41.50.11.2 41.50.11.2 41.50.11.2	UNDEF IN 41.50.81.2 41.50.81.2 41.50.81.2	CU IN 037153 IN 41.50.41.2 41.50.41.2 41.50.41.2
26	CRZV IN 037127 IN 41.50.11.2 41.50.11.2 41.50.11.2	CBVV IN 037126 IN 41.50.11.2 41.50.11.2 41.50.11.2	CG IN 037126 IN 41.50.11.2 41.50.11.2 41.50.11.2	CHVV IN 037126 IN 41.50.11.2 41.50.11.2 41.50.11.2	CHVV IN 037126 IN 41.50.11.2 41.50.11.2 41.50.11.2	COZV IN 037127 IN 41.50.11.2 41.50.11.2 41.50.11.2

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✓ CJWF SMD 0371268 02 44.11.31.2 44.11.31.2	✓ CRYC SMD 0371272 02 44.13.11.2 44.13.11.2	✓ CRZY SMD 0371274 04 44.13.11.2 44.13.11.2	✓ CH— SMD 0371266 03 44.13.31.2 44.13.31.2	✓ CGWV SMD 0371261 03 44.13.01.2 44.13.01.2	
✓ CJYC SMD 0371071 02 44.11.31.2 44.11.31.2	✓ CKWF SMD 0371270 02 44.13.11.2 44.13.11.2	✓ CRYG SMD 0371277 04 44.13.01.2 44.13.01.2	✓ COZT SMD 0371272 04 44.13.01.2 44.13.01.2	✓ CH— SMD 0371534 01 44.10.01.2 44.10.01.2	
✓ CH— SMD 0371534 01 44.11.31.2	✓ CKWF SMD 0371270 02 44.14.21.2 44.13.31.2	✓ COY6 SMD 0371278 04 44.11.01.2 44.11.21.2	✓ CJVU SMD 0371267 02 44.11.01.2 44.13.01.2	✓ CLVR SMD 0371075 * 44.11.01.2 44.13.31.2	✓ CKWF SMD 0371270 02 44.12.01.2 44.12.01.2
✓ CJYC SMD 0371071 02 44.11.31.2 44.11.01.2	✓ CJYC SMD 0371071 02 44.11.31.2 44.14.31.2	✓ COZT SMD 0371272 04 44.12.11.2 44.12.01.2	✓ PP— SMD 0371365 04 44.11.01.2 44.12.01.2	✓ PO— SMD 0371370 04 44.14.01.2	✓ 2JHX SMD 0370144 02 44.12.01.2
✓ CJWF SMD 0371268 02 44.11.01.2 44.13.21.2	✓ CJYC SMD 0371071 02 44.14.11.2 44.14.11.2	✓ JFVP SMD 0371576 04 44.13.21.2 44.13.11.2	✓ JWVB SMD 0371079 04 44.13.31.2 44.13.01.2	✓ CRYC SMD 0371072 02 44.12.11.2 44.13.11.2	✓ CJWF SMD 0371268 02 44.12.21.2 44.13.11.2
✓ CJYC SMD 0371071 02 44.11.21.2 44.11.21.2	✓ CJWF SMD 0371268 02 44.11.31.2 44.11.11.2	✓ COY6 SMD 0371278 04 44.13.21.2 44.13.21.2	✓ CGWV SMD 0371261 03 44.12.21.2 44.12.11.2	✓ CKWF SMD 0371270 02 44.12.42.1 44.12.11.2	✓ CLVO SMD 0371255 * 44.12.21.2 44.12.33.1
✓ CJYC SMD 0371071 02 44.11.21.2 44.11.11.2	✓ CHWV SMD 0371264 03 44.13.11.2 44.13.21.2	✓ CRYG SMD 0371277 04 44.13.11.2 44.13.21.2	✓ CH— SMD 0371266 03 44.13.21.2 44.13.01.2	✓ CLVT SMD 0371073 * 44.12.42.1 44.12.42.1	
✓ JLVB SMD 0371077 04 44.11.21.2 44.12.01.2	✓ CHWV SMD 0371252 03 44.13.21.2 44.13.21.2	✓ CJWF SMD 0371268 02 44.13.21.2 44.13.21.2	✓ 2JHX SMD 0370144 02 44.13.01.2 44.13.01.2	✓ CLVT SMD 0371073 * 44.11.31.2 44.12.33.1	✓ CLVR SMD 0371075 * 44.13.21.2 44.13.01.2
✓ CJYC SMD 0371071 02 44.12.01.2 44.12.01.2	✓ CHWV SMD 0371252 03 44.11.01.2 44.12.01.2	✓ CKWF SMD 0371270 02 44.14.21.2 44.13.21.2	✓ CLVR SMD 0371075 * 44.11.31.2 44.11.31.2	✓ CLVS SMD 0371074 * 44.12.01.2 44.12.33.1	✓ JLVB SMD 0371077 04 44.12.21.2 44.12.33.1
✓ CJYC SMD 0371071 02 44.12.01.2 44.12.01.2	✓ CHWV SMD 0371252 03 44.11.01.2 44.12.01.2	✓ CRZT SMD 0371275 04 44.13.01.2 44.13.01.2	✓ CLVR SMD 0371075 * 44.11.01.2 44.11.01.2	✓ CJWF SMD 0371268 02 44.12.42.1 44.12.42.1	
✓ CH— SMD 0371534 01 44.12.01.2	✓ CHWV SMD 0371252 03 44.13.31.2 44.13.31.2	✓ KA— SMD 0371546 04 44.14.01.2 44.14.01.2	✓ CLVR SMD 0371075 * 44.11.01.2 44.11.01.2	✓ CKVU SMD 0371269 02 44.13.31.2 44.13.31.2	✓ JWVB SMD 0371079 04 44.12.21.2 44.12.33.1

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			NW- SBA 0371598 14 37.90.21.1 37.90.21.1		JFVN SBA 0371577 04 31.92.22.1 34.92.21.1 31.92.22.1 34.92.21.1
			M N P L D		
JFVA 8M 0371578 04 31.92.94.1 31.92.94.1		JFVN SBA 0371577 04 34.92.31.1 34.92.11.1 34.92.11.1 31.92.01.2	AED- SBA 0371946 01 31.92.01.2	CJVV SBA 0371267 02 31.91.51.1 34.92.11.1	CH- SBA 0371531 01 31.91.51.1
A D					A
DAB- SBA 0371924 03 31.92.93.1 31.92.01.2 31.92.01.1	DGP- SBA 0370343 03 31.92.92.1 31.92.93.1 31.92.93.1	JLVB SBA 0371077 04 31.92.93.1 31.92.01.2 31.91.21.1 31.92.01.1	CG- SBA 0371265 03 31.91.31.1 44.98.21.1 34.92.11.1	CJVV SBA 0371253 02 34.92.31.1 34.92.31.1	CHVV SBA 0371265 03 34.93.11.1 44.98.31.1 31.92.01.2
CAC- SBA 0371922 03 31.92.22.1 31.92.31.1 31.92.31.1	CKWV SBA 0371254 02 44.98.11.1 34.92.11.1	CEA- SBA 0371944 01 31.92.93.1	CRZY SBA 0371274 04 31.91.31.1 31.91.31.1 31.91.31.1 34.93.11.1	CJVV SBA 0371267 02 34.92.31.1 34.92.31.1	COZY SEC 0371271 04 44.98.11.1 44.98.11.1
					C D
JZ- SBA 0371082 01 34.96.11.1	JN- SBA 0371081 02 34.96.11.1 34.96.11.1	CEA- SBA 0371944 01 31.92.93.1	CLVT SBA 0371073 04 31.91.31.1 34.92.21.1 31.91.21.1 31.91.51.1	CRZT SBA 0371275 04 31.91.21.1 31.91.11.1 34.92.31.1	JMVB SEC 0371079 04 44.98.31.1 44.98.21.1 44.98.31.1
					D
JZ- SBA 0371082 01 34.96.11.1	JN- SBA 0371081 02 34.96.11.1 34.96.11.1	CEA- SBA 0371944 01 31.92.93.1	JMVB SBA 0371079 04 31.91.31.1 31.91.31.1 31.91.31.1 31.91.41.1	CHVV SBA 0371265 03 34.96.11.1 34.92.31.1 31.91.21.1	CRZT SEC 0371275 04 44.98.11.1 44.98.11.1 44.98.31.1
					A
CU- SBA 0371534 01 34.96.11.1	CNWT SBA 0371260 06 34.96.11.1 34.96.11.1 34.96.11.1	CEA- SBA 0371944 01 31.92.94.1	CJVV SBA 0371253 02 31.91.11.1 34.92.31.1	CGWV SEC 0371261 03 44.98.11.1 44.98.11.1	3JMX SEC 0370141 02 44.98.11.1 44.98.21.1
A	E F			C	C
CNWT SBA 0371260 06 31.92.01.2 31.92.01.2	CKYC SBA 0371072 02 31.92.41.1 34.92.31.1	DGO- SBA 0370342 03 31.92.32.1 31.92.32.1 31.92.42.1	CHWV SBA 0371252 03 31.91.41.1 31.91.41.1 34.92.11.1	CRWV SBA 0371254 02 31.91.21.1 34.92.11.1	CGWV SEC 0371251 03 44.98.21.1 44.98.21.1 44.98.21.1
F A D E					
AED- SBA 0371946 01 31.92.10.2	CAC- SBA 0371922 03 31.92.01.2 31.92.93.1 31.92.01.2	CEA- SBA 0371944 01 31.92.01.2	CRZY SBA 0371274 04 31.91.41.1 31.91.41.1 34.92.11.1 31.91.31.1	CPHT SBA 0371259 06 34.96.11.1 44.98.11.1 31.91.11.1 31.91.21.1	
				E F	
AED- SBA 0371946 01 31.92.10.2	DGP- SBA 0370343 03 31.92.91.1 31.92.91.1 31.92.91.1	CAC- SBA 0371922 03 31.92.94.1 31.92.42.1 31.92.41.1	CH- SBA 0371534 01 31.91.51.1	CJVV SBA 0371271 04 31.91.21.1 34.96.11.1 31.91.21.1 31.91.41.1	CRZY SEC 0371274 04 44.98.21.1 44.98.21.1 44.98.21.1
			A		D
PO- SBA 0371370 04 31.92.01.2 31.92.01.2 34.92.42.1 31.92.41.1	PP- SBA 0371365 04 31.92.93.1 31.92.01.2 31.92.01.1 31.92.94.1	JFVN SBA 0371577 04 31.92.94.1 31.92.94.1 31.92.94.1 31.92.94.1	JLVB SBA 0371077 04 31.91.51.1 34.92.11.1 34.92.11.1 31.91.41.1	COZY SBA 0371271 04 31.91.11.1 34.92.31.1 34.92.31.1 34.92.41.1	JLVB SEC 0371077 04 44.98.21.1 44.98.21.1 44.98.21.1 44.98.21.1
AED- SBA 0371946 01 31.92.10.2	DGP- SBA 0370343 03 31.92.71.1 31.92.81.1 31.92.81.1	CKWV SBA 0371254 02 31.91.11.1 34.92.11.1	COZT SBA 0371272 04 31.91.41.1 31.91.41.1 44.98.31.1 34.92.11.1		CKWV SEC 0371254 02 44.98.21.1 44.98.31.1

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15		AED- SBA 0371946 01 31.92.01.2	DGP- SBA 0370343 03 31.92.51.1 31.92.71.1 31.92.71.1	CLVR SBA 0371075 04 31.91.21.1 31.91.51.1 31.91.21.1 34.92.21.1	CKVU SBA 0371269 02 31.91.41.1 31.91.21.1 34.92.21.1	CKVU SBA 0371269 02 31.91.21.1 31.91.21.1 44.90.11.1	CH- SEC 0371268 03 44.90.21.1 44.90.21.1 44.90.31.1
16		AED- SBA 0371946 01 31.92.01.2	DGP- SBA 0370343 03 31.92.01.1 31.92.02.1 31.92.02.1	CKWV SBA 0371254 02 31.91.41.1 31.91.11.1	CLVT SBA 0371073 04 31.91.41.1 31.91.21.1 31.91.21.1 34.92.11.1	CNWT SBA 0371268 06 31.91.31.1 34.92.11.1 44.90.11.1	CKWF SEC 0371270 02 44.90.11.1 44.90.31.1
17		JFVN SBA 0371077 04 34.93.11.1 31.92.94.1	DGP- SBA 0370343 03 31.92.51.1 31.92.91.1 31.92.92.1	CLVS SBA 0371074 03 31.91.11.1 31.91.11.1 31.91.31.1	2JMX SBA 0370144 02 34.92.41.1 34.92.41.1	CKWV SEC 0371254 02 44.90.11.1 44.90.11.1	CKWV SEC 0371254 02 44.90.31.1 44.90.31.1
18		DGO- SBA 0370342 03 31.92.01.2 31.92.12.1 31.92.12.1	DGO- SBA 0370342 03 31.92.41.1 31.92.42.1 31.92.42.1	CJWF SBA 0371268 02 31.91.11.1 31.91.31.1	JMVB SBA 0371079 04 34.92.11.1 31.92.94.1 34.92.31.1	CHVW SBA 0371264 03 31.91.11.1 31.92.94.1 34.92.31.1	4JMX SEC 0370142 02 44.90.31.1 44.90.31.1
19		DGP- SBA 0370343 03 31.92.51.1 31.92.10.2 31.92.01.1	DGO- SBA 0370343 03 31.92.32.1 31.92.41.1 31.92.41.1	CW- SBA 0371534 01 31.91.11.1	CKWF SBA 0371270 02 34.92.41.1 34.92.41.1	CGVU SBA 0371261 03 34.92.21.1 34.92.21.1 34.92.21.1	CHVW SEC 0371264 03 44.90.31.1 44.90.31.1 44.90.11.1
20		PP- SBA 0371565 04 31.92.01.2 31.91.51.1 34.92.11.1 31.92.94.1	DGO- SBA 0370342 03 31.92.31.1 31.92.31.1 31.92.31.1	JLVB SBA 0371077 04 31.91.21.1 34.93.11.1 34.93.11.1	CKWF SBA 0371270 02 34.92.21.1 34.92.41.1	CKVC SEC 0371072 02 44.90.11.1 44.90.31.1	CGVU SEC 0371261 03 44.90.31.1 44.90.31.1 44.90.31.1
21		CEA- SBA 0371944 01 31.92.01.2	DGO- SBA 0370342 03 31.92.22.1 31.92.22.1 31.92.22.1	COZV SBA 0371271 04 31.92.01.2 31.91.41.1 34.92.11.1 34.92.11.1	CLVO SBA 0371255 03 31.91.11.1 31.92.41.1 34.92.21.1	CGVW SEC 0371262 03 44.90.31.1 44.90.31.1 44.90.31.1	
22		DGP- SBA 0370343 03 31.92.01.2 31.92.01.2 31.92.01.2	CGWV SBA 0371251 03 34.92.11.1 44.90.11.1 31.91.51.1	COZV SBA 0371271 04 31.91.11.1 31.91.21.1 31.91.51.1 34.92.21.1	CJWF SBA 0371268 02 34.92.41.1 34.92.41.1	CGWV SEC 0371251 03 44.90.11.1 44.90.11.1	2JMX SEC 0370144 02 44.90.31.1
23		JFVN SBA 0371588 04 31.92.01.2 31.92.01.2 44.90.31.1 31.92.01.2	DGO- SBA 0370343 03 31.92.03.1 31.92.93.1 31.92.94.1	CPWT SBA 0371259 06 34.92.31.1 34.92.31.1 34.92.31.1 34.92.11.1	CH- SBA 0371266 03 34.92.41.1 34.92.41.1 34.92.41.1	CJWV SEC 0371253 02 44.90.11.1 44.90.21.1	CJWV SEC 0371261 02 34.93.11.1 44.90.11.1
24		CM- SBA 0371256 08 31.92.01.2 31.92.01.2	CAC- SBA 0371922 03 31.92.01.2 31.92.01.2 31.92.01.2		CGWV SBA 0371251 03 34.92.31.1 34.92.31.1 34.92.31.1	CEH- SEC 0370139 02 44.90.11.1 44.90.11.1	CO- SEC 0371273 04 44.90.31.1 44.90.31.1 44.90.31.1 44.90.31.1
25		AM- SBA 0371203 02 31.92.01.2	CJYC SBA 0371071 02 31.91.21.1 31.91.31.1	CRY6 SBA 0371277 04 31.91.51.1 31.91.31.1 34.92.11.1 31.91.31.1	J6VV SBA 0371582 03 44.90.31.1 44.90.31.1 31.92.01.2	CJWF SEC 0371268 02 34.93.11.1 34.93.11.1	COY6 SEC 0371278 04 44.90.31.1 44.90.31.1 44.90.11.1 44.90.21.1
26		WK- SBA 0371788 01 31.92.01.2	AED- SBA 0371946 01 31.92.94.1	CEH- SBA 0370139 02 44.90.11.1	CJWV SBA 0371253 02 34.92.31.1 34.92.31.1	CLVS SEC 0371074 03 34.93.11.1 34.93.11.1	CO- SEC 0371273 04 44.90.11.1 44.90.11.1 44.90.11.1 44.90.11.1

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A	B	C	D	E	F
			WX- 8M 0371899 01 42.69.11.2		
			WX- 8M 0371899 01 42.69.11.2	AQU- 8M 0370833 02 42.66.11.2	DKA- 8M 0370443 01 42.67.11.2
		✓ AEF			
			AQU- 8M 0370836 05 42.69.11.2	AQU- 8M 0370833 02 42.66.11.2	DKA- 8M 0370443 01 42.67.11.2
			WX- 8M 0371899 01 42.69.11.2	AQU- 8M 0370833 02 42.66.11.2	AKC- 8M 0370426 01 42.67.11.2
			WX- 8M 0371899 01 42.69.11.2	AQU- 8M 0370833 02 42.66.11.2	DKA- 8M 0370443 01 42.67.11.2
			AKB- 8M 0370425 01 42.67.11.2	AQU- 8M 0370833 02 42.66.11.2	DKA- 8M 0370443 01 42.67.11.2
			WX- 8M 0371899 01 42.69.11.2	AQU- 8M 0370833 02 42.66.11.2	
			WX- 8M 0371899 01 42.69.11.2	AQU- 8M 0370833 02 42.66.11.2	AQU- 8M 0370835 01 42.67.11.2
		✓ AEF			
	XXXXXXXXXX		AQU- 8M 0370836 05 42.69.11.2	AQU- 8M 0370833 02 42.66.11.2	
			WX- 8M 0371899 01 42.69.11.2	AQU- 8M 0370833 02 42.66.11.2	AQU- 8M 0370835 01 42.67.11.2
			WX- 8M 0371899 01 42.69.11.2	AQU- 8M 0370833 02 42.66.11.2	

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A	B	C	D	E	F
			CW-- BM 0371534 01 42.67.02.2	CW-- BM 0371534 01 42.66.03.2	CJVV BM 0371267 02 42.65.01.2 42.65.01.2
			A	A	
			CHVV BM 0371264 03 42.65.02.2 42.65.02.2	CW-- BM 0371534 01 42.66.03.2	CW-- BM 0371534 01 42.65.01.2
			C	A	A
			CLVT BM 0371073 04 42.66.03.2 42.65.01.2 42.66.03.2 42.67.01.2	CRZT BM 0371272 04 42.66.03.2 42.66.03.2	CW-- BM 0371534 01 42.65.01.2
				D	A
			CLVT BM 0371073 04 42.65.01.2 42.66.03.2 42.67.01.2	CRZT BM 0371275 04 42.65.01.2 42.65.02.2 42.66.03.2	CW-- BM 0371534 01 42.65.01.2
			A	B	A
			CLVT 16M 0371073 04 42.67.01.2	CGWW BM 0371251 03 42.66.03.2 42.66.03.2 42.65.01.2	CPWT BM 0371259 06 42.65.01.2 42.65.01.2 42.65.01.2 42.65.01.2
			A B C		E F
			JFVN 16M 0371577 04 42.67.02.2 42.67.02.2 42.67.02.2 42.67.02.2	CLVO BM 0371255 03 42.65.01.2 42.66.03.2 42.65.02.2	CKVU BM 0371269 02 42.65.02.2 42.65.02.2
			JFVN BM 0371577 04 42.67.02.2 42.67.02.2 42.67.02.2 42.67.02.2	CLVO BM 0371255 03 42.66.03.2 42.66.03.2	CKVU BM 0371269 02 42.65.02.2 42.65.02.2
				A	
			PP-- BM 0371365 04 42.67.01.2 42.67.01.2 42.67.02.2 42.67.02.2	CRYC BM 0371072 02 42.66.03.2 42.67.01.2	CJVF BM 0371268 02 42.65.01.2 42.65.01.2
			PP-- 16M 0371365 04 42.67.01.2 42.67.02.2 42.67.02.2	JLVB BM 0371077 04 42.66.03.2 42.67.02.2 42.67.02.2 42.66.03.2	JMVB BM 0371079 04 42.65.02.2 42.65.02.2 42.67.01.2
				D	B
			CKWF BM 0371270 02 42.67.02.2 42.67.02.2	CRZV BM 0371274 04 42.66.03.2 42.66.03.2	CHVV BM 0371265 03 42.65.02.2 42.65.02.2
				A D	C
			CKWF 12M 0371270 02 42.67.02.2 42.67.02.2	JLVB BM 0371077 04 42.66.03.2 42.67.01.2 42.67.01.2	CHVV BM 0371265 03 42.65.02.2
				D	B C

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14

	A	B	REMARKS C	D	E	F
15				JFVN 8M 0371577 04 42.67.02.2 42.67.01.2 42.67.02.2 42.67.02.2		CJVV 8M 0371267 02 42.65.02.2 42.65.02.2
16					COZY 8M 0371271 04 42.67.01.2 42.66.03.2 42.65.02.2 42.65.01.2	CRWF 8M 0371278 02 42.65.02.2 42.65.02.2
17				HO-- 8M 0371378 04 42.67.02.2 42.67.01.2 42.67.01.2	CHNN 8M 0371252 03 42.66.03.2 42.67.01.2 42.66.03.2	CRZT 8M 0371275 04 42.65.02.2 42.65.02.2
				A		A D
18				JHVB 8M 0371079 04 42.67.02.2 42.67.02.2 42.67.02.2 42.67.02.2		CGWV 8M 0371251 03 42.65.02.2 42.65.02.2 42.65.02.2
19				JHVB 8M 0371079 04 42.67.02.2 42.67.02.2 42.66.03.2		CKYC 8M 0371072 02 42.66.03.2 42.67.01.2
				B		
20				JF-- 16M 0371579 04 42.67.02.2 42.67.02.2		CJVV 8M 0371267 02 42.66.03.2 42.65.02.2
				C D		
21				CEA- 12M 0371944 01 42.67.01.2		CPWT 8M 0371259 06 42.65.01.2 42.67.02.2 42.67.01.2
						D E F
22				CAC- 12M 0371922 03 42.67.01.2		COZT 8M 0371272 04 42.66.03.2 42.66.03.2 42.65.01.2 42.65.02.2
				B C		
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