

EQUIPMENT TEST LIST
SENDERS AND REGISTERS — 4A
NO. 4A AND 4M TOLL SWITCHING SYSTEMS

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1. GENERAL

1.01 This section provides an index and information access system to locate the standard tests applicable to equipment listed in the preceding table

of contents. Test classification and frequency of periodic routine are also provided.

1.02 This Equipment Test List (ETL) is reissued to incorporate changes which are indicated by an arrow to the left of each line which has been changed.

1.03 Comments on this section should be made by following the instructions in Bell System Practices (BSP), Section 000-010-015.

1.04 Routine test information is arranged in the following order from left to right: Section number, issue/addendum, test letter or paragraph number, test title, test class, frequency, and the last space is for a locally assigned job number.

1.05 Section 010-300-011 provides Equipment Test List instructions.

NOTICE

Not for use or disclosure outside the
Bell System except under written agreement

3.0 SENDERS&REG -4A

3.1 SENDERS&REG -4A; 4A-MF-INC

OFFICE TYPE 1 RETRIAL*ETS*SD-68491-01

SELECT ONLY ONE CATEGORY

SD-68222-01 SENDERS

| | | | | |
|-------------------|----|---|--------|-------|
| 212-216-501 (8/1) | A | **TF TEST**MF OUTPULSING-10-DIGIT CALL | MW 18M | ----- |
| | B | **TF TEST**LOOP DIAL OUTPULSING-7-DIGIT | MW 18M | ----- |
| | C | **TF TEST**DC KEYPULSE OUTPULSING | MW 18M | ----- |
| | D | **TF TEST**SIMPLEX DIAL OUTPULSING | MW 18M | ----- |
| | E | **TF TEST**MANUAL CALL | MW 18M | ----- |
| | F | **TF TEST**MF OUTPULSING-7-DIGIT | MW 18M | ----- |
| | G | **TF TEST**LOOP DIAL OUTPULSING-10-DIGIT | MW 18M | ----- |
| | J | **TF TEST**TX CODES | MW 18M | ----- |
| | K | **TF TEST**CODE CONVERSION | MW 18M | ----- |
| | L | **TF TEST**RINGING SIMPLEX | MW 18M | ----- |
| | M | **TF TEST**20-CYCLE RINGING | MW 18M | ----- |
| | N | **TF TEST**S LEAD GROUND | MW 18M | ----- |
| | O | **TF TEST**ABANDONED CALL | MW 18M | ----- |
| | P | **TF TEST**FRAME IDENT FAILURE | MW 18M | ----- |
| | Q | **TF TEST**PLK RELAY TEST | MW 18M | ----- |
| | R | **TF TEST**THIRD TRIAL REORDER | MW 18M | ----- |
| | S | **TF TEST**THIRD TRIAL TROUBLE RELEASE | MW 18M | ----- |
| | T | **TF TEST**TRUNK GUARD TIMING FEATURE | MW 18M | ----- |
| | V | **TF TEST**PERM SIG TIME-OUT | MW 18M | ----- |
| | W | **TF TEST**FALSE KEY PULSE | MW 18M | ----- |
| | X | **TF TEST**3-FREQ KEY PULSE | MW 18M | ----- |
| | Y | **TF TEST**PARTIAL DIAL TIME-OUT | MW 18M | ----- |
| | AE | **TF TEST**EXTRA DIGIT-LOOP DIAL 20-CYCLE | MW 18M | ----- |
| | AF | **TF TEST**3-FREQ DIGIT | MW 18M | ----- |
| | AG | **TF TEST**12-DIGIT REORDER | MW 18M | ----- |
| | AI | **TF TEST**PERM SIG & REORDER FAILURE | MW 18M | ----- |
| | AJ | **TF TEST**REORDER & TRBL RELEASE FAILURE TEST | MW 18M | ----- |
| | AL | **TF TEST**TTY PRINTOUT (ETS) | MW 18M | ----- |
| | AM | **TF TEST**START PULSE ERROR | MW 18M | ----- |
| | AN | **TF TEST**START PULSE CHECK-MANUAL CODE | MW 18M | ----- |
| | AO | **TF TEST**PRONOUNCEMENT REORDER | MW 18M | ----- |
| | AP | **TF TEST**CODE CHECK | MW 18M | ----- |
| | AQ | **TF TEST**FLASH BACK TEST | MW 18M | ----- |
| | AR | **TF TEST**MF CURRENT SUPPLY TRANSFER | MW 18M | ----- |
| | AS | **TF TEST**TIMING VARIATION | MW 18M | ----- |

| | | | | |
|---------------------|----|---|--------|-------|
| 212-216-501 (8/1) | AT | **TF TEST**MARKER ENGAGED TIMING RECYCLE | MW 18M | ----- |
| | AU | **TF TEST**OVERLOAD TIMING-SHORT DELAY | MW 18M | ----- |
| | CN | **TF TEST**TIMING-PERM SIGNAL(10 TO 20 SEC) | MW 18M | ----- |
| | CO | **TF TEST**TIMING-PARTIAL DIAL | MW 18M | ----- |
| | CX | **TF TEST**AUTO, MF, CDLC | MW 18M | ----- |
| | CY | **TF TEST**AUTO, MF, DLC | MW 18M | ----- |
| | CZ | **TF TEST**AUTO, SXD, XDD | MW 18M | ----- |
| | DA | **TF TEST**AUTO, SXD, NO XDD | MW 18M | ----- |
| | DB | **TF TEST**AUTO, SXD, NO XSG | MW 18M | ----- |
| | DC | **TF TEST**AUTO, SXD, XSG | MW 18M | ----- |
| | DD | **TF TEST**AUTO, LPD, XDD | MW 18M | ----- |
| | DE | **TF TEST**AUTO, LPD, NO XDD | MW 18M | ----- |
| | DF | **TF TEST**AUTO, LPD, NO XSG | MW 18M | ----- |
| | DG | **TF TEST**AUTO, LPD, XSG | MW 18M | ----- |
| | DH | **TF TEST**AUTO, DC | MW 18M | ----- |
| | DI | **TF TEST**AUTO, MANUAL, NO AV | MW 18M | ----- |
| | EN | **TF TEST**FINAL ATTEMPT TIMING | MW 18M | ----- |
| 212-330-501 (10/0) | S | INCOMING MF & DP SENDERS | MW 18M | ----- |
| SD-68575-01-SENDERS | | | | |
| 212-216-501 (8/1) | A | **TF TEST**MF OUTPULSING-10-DIGIT CALL | MW 18M | ----- |
| | B | **TF TEST**LOOP DIAL OUTPULSING-7-DIGIT | MW 18M | ----- |
| | C | **TF TEST**DC KEYPULSE OUTPULSING | MW 18M | ----- |
| | D | **TF TEST**SIMPLEX DIAL OUTPULSING | MW 18M | ----- |
| | E | **TF TEST**MANUAL CALL | MW 18M | ----- |
| | F | **TF TEST**MF OUTPULSING-7-DIGIT | MW 18M | ----- |
| | G | **TF TEST**LOOP DIAL OUTPULSING-10-DIGIT | MW 18M | ----- |
| | J | **TF TEST**TX CODES | MW 18M | ----- |
| | K | **TF TEST**CODE CONVERSION | MW 18M | ----- |
| | L | **TF TEST**RINGING SIMPLEX | MW 18M | ----- |
| | M | **TF TEST**20-CYCLE RINGING | MW 18M | ----- |
| | N | **TF TEST**S LEAD GROUND | MW 18M | ----- |
| | O | **TF TEST**ABANDONED CALL | MW 18M | ----- |
| | P | **TF TEST**FRAME IDENT FAILURE | MW 18M | ----- |
| | Q | **TF TEST**PLK RELAY TEST | MW 18M | ----- |
| | R | **TF TEST**THIRD TRIAL REORDER | MW 18M | ----- |
| | S | **TF TEST**THIRD TRIAL TROUBLE RELEASE | MW 18M | ----- |
| | T | **TF TEST**TRUNK GUARD TIMING FEATURE | MW 18M | ----- |
| | V | **TF TEST**PERM SIG TIME-OUT | MW 18M | ----- |
| | W | **TF TEST**FALSE KEY PULSE | MW 18M | ----- |
| | X | **TF TEST**3-FREQ KEY PULSE | MW 18M | ----- |
| | Y | **TF TEST**PARTIAL DIAL TIME-OUT | MW 18M | ----- |

SECTION 212-001-014

| | | | | |
|--------------------|----|--|--------|-------|
| 212-216-501 (8/1) | Z | **TF TEST**REGISTER REORDER REQUEST TO SENDER | MW 18M | ----- |
| | AF | **TF TEST**3-FREQ DIGIT | MW 18M | ----- |
| | AG | **TF TEST**12-DIGIT REORDER | MW 18M | ----- |
| | AI | **TF TEST**PERM SIG & REORDER FAILURE | MW 18M | ----- |
| | AJ | **TF TEST**REORDER & TRBL RELEASE FAILURE TEST | MW 18M | ----- |
| | AL | **TF TEST**TTY PRINTOUT (ETS) | MW 18M | ----- |
| | AM | **TF TEST**START PULSE ERROR | MW 18M | ----- |
| | AN | **TF TEST**START PULSE CHECK-MANUAL CODE | MW 18M | ----- |
| | AO | **TF TEST**PRONOUNCEMENT REORDER | MW 18M | ----- |
| | AP | **TF TEST**CODE CHECK | MW 18M | ----- |
| | AQ | **TF TEST**FLASH BACK TEST | MW 18M | ----- |
| | AR | **TF TEST**MF CURRENT SUPPLY TRANSFER | MW 18M | ----- |
| | AT | **TF TEST**MARKER ENGAGED TIMING RECYCLE | MW 18M | ----- |
| | AU | **TF TEST**OVERLOAD TIMING-SHORT DELAY | MW 18M | ----- |
| | CN | **TF TEST**TIMING-PERM SIGNAL(10 TO 20 SEC) | MW 18M | ----- |
| | CO | **TF TEST**TIMING-PARTIAL DIAL | MW 18M | ----- |
| | CP | **TF TEST**PULSE GENERATOR | MW 18M | ----- |
| | CX | **TF TEST**AUTO, MF, CDLC | MW 18M | ----- |
| | CY | **TF TEST**AUTO, MF, DLC | MW 18M | ----- |
| | CZ | **TF TEST**AUTO, SXD, XDD | MW 18M | ----- |
| | DA | **TF TEST**AUTO, SXD, NO XDD | MW 18M | ----- |
| | DB | **TF TEST**AUTO, SXD, NO XSG | MW 18M | ----- |
| | DC | **TF TEST**AUTO, SXD, XSG | MW 18M | ----- |
| | DD | **TF TEST**AUTO, LPD, XDD | MW 18M | ----- |
| | DE | **TF TEST**AUTO, LPD, NO XDD | MW 18M | ----- |
| | DF | **TF TEST**AUTO, LPD, NO XSG | MW 18M | ----- |
| | DG | **TF TEST**AUTO, LPD, XSG | MW 18M | ----- |
| | DH | **TF TEST**AUTO, DC | MW 18M | ----- |
| | DI | **TF TEST**AUTO, MANUAL, NO AV | MW 18M | ----- |
| | EN | **TF TEST**FINAL ATTEMPT TIMING | MW 18M | ----- |
| 212-330-501 (10/0) | S | INCOMING MF & DP SENDERS | MW 18M | ----- |

OPTIONAL FEATURES

AUXILIARY RECORDER

| | | | | |
|-------------------|----|------------------------------------|--------|-------|
| 212-216-501 (8/1) | AK | **TF TEST**AUX RECORDING TEST(ETS) | MW 18M | ----- |
|-------------------|----|------------------------------------|--------|-------|

OFFICE TYPE 2 NON-RETRIAL*ETS*SD-68491-01

SELECT ONLY ONE CATEGORY

SD-68222-01 SENDERS

| | | | | |
|-------------------|---|---|--------|-------|
| 212-216-501 (8/1) | A | **TF TEST**MF OUTPULSING-10-DIGIT CALL | MW 18M | ----- |
| | B | **TF TEST**LOOP DIAL OUTPULSING-7-DIGIT | MW 18M | ----- |
| | C | **TF TEST**DC KEYPULSE OUTPULSING | MW 18M | ----- |

| | | | | |
|-------------------|----|--|--------|-------|
| 212-216-501 (8/1) | D | **TF TEST**SIMPLEX DIAL OUTPULSING | MW 18M | ----- |
| | E | **TF TEST**MANUAL CALL | MW 18M | ----- |
| | F | **TF TEST**MF OUTPULSING-7-DIGIT | MW 18M | ----- |
| | G | **TF TEST**LOOP DIAL OUTPULSING-10-DIGIT | MW 18M | ----- |
| | J | **TF TEST**TX CODES | MW 18M | ----- |
| | K | **TF TEST**CODE CONVERSION | MW 18M | ----- |
| | L | **TF TEST**RINGING SIMPLEX | MW 18M | ----- |
| | M | **TF TEST**20-CYCLE RINGING | MW 18M | ----- |
| | N | **TF TEST**S LEAD GROUND | MW 18M | ----- |
| | O | **TF TEST**ABANDONED CALL | MW 18M | ----- |
| | P | **TF TEST**FRAME IDENT FAILURE | MW 18M | ----- |
| | Q | **TF TEST**PLK RELAY TEST | MW 18M | ----- |
| | R | **TF TEST**THIRD TRIAL REORDER | MW 18M | ----- |
| | S | **TF TEST**THIRD TRIAL TROUBLE RELEASE | MW 18M | ----- |
| | T | **TF TEST**TRUNK GUARD TIMING FEATURE | MW 18M | ----- |
| | U | **TF TEST**TG AND OF RELAY TEST (W/O RETRIAL) | MW 18M | ----- |
| | V | **TF TEST**PERM SIG TIME-OUT | MW 18M | ----- |
| | W | **TF TEST**FALSE KEY PULSE | MW 18M | ----- |
| | X | **TF TEST**3-FREQ KEY PULSE | MW 18M | ----- |
| | Y | **TF TEST**PARTIAL DIAL TIME-OUT | MW 18M | ----- |
| | AE | **TF TEST**EXTRA DIGIT-LOOP DIAL 20-CYCLE | MW 18M | ----- |
| | AF | **TF TEST**3-FREQ DIGIT | MW 18M | ----- |
| | AG | **TF TEST**12-DIGIT REORDER | MW 18M | ----- |
| | AI | **TF TEST**PERM SIG & REORDER FAILURE | MW 18M | ----- |
| | AJ | **TF TEST**REORDER & TRBL RELEASE FAILURE TEST | MW 18M | ----- |
| | AL | **TF TEST**TTY PRINTOUT (ETS) | MW 18M | ----- |
| | AM | **TF TEST**START PULSE ERROR | MW 18M | ----- |
| | AN | **TF TEST**START PULSE CHECK-MANUAL CODE | MW 18M | ----- |
| | AO | **TF TEST**PRONOUNCEMENT REORDER | MW 18M | ----- |
| | AP | **TF TEST**CODE CHECK | MW 18M | ----- |
| | AQ | **TF TEST**FLASH BACK TEST | MW 18M | ----- |
| | AR | **TF TEST**MF CURRENT SUPPLY TRANSFER | MW 18M | ----- |
| | AS | **TF TEST**TIMING VARIATION | MW 18M | ----- |
| | AT | **TF TEST**MARKER ENGAGED TIMING RECYCLE | MW 18M | ----- |
| | AU | **TF TEST**OVERLOAD TIMING-SHORT DELAY | MW 18M | ----- |
| | AV | **TF TEST**RCD SS-CARD & OGTI (W/O RETRIAL) | MW 18M | ----- |
| | AW | **TF TEST**RCD SS-CARD (W/O RETRIAL) | MW 18M | ----- |
| | AX | **TF TEST**RCD SS-NO CARD (W/O RETRIAL) | MW 18M | ----- |
| | AY | **TF TEST**RCD SS-NO CARD (W/O RETRIAL) | MW 18M | ----- |
| | BA | **TF TEST**REVERSED TRUNK (W/O RETRIAL) | MW 18M | ----- |

| | | | | | |
|---|---------------------|----|--|--------|-------|
| ◆ | 212-216-501 (8/1) | BC | **TF TEST**SXD GLARE (W/O RETRIAL) | MW 18M | ----- |
| ◆ | | BF | **TF TEST**MF GLARE-FLASH RECOGNIZED (W/O RETRIAL) | MW 18M | ----- |
| ◆ | | BG | **TF TEST**MF GLARE-FLASH NOT RECOGNIZED (W/O RETRIAL) | MW 18M | ----- |
| ◆ | | BJ | **TF TEST**PREL SL FAILURE (W/O RETRIAL) | MW 18M | ----- |
| ◆ | | BK | **TF TEST**TIME-OUT-UDD-LPD (W/O RETRIAL) | MW 18M | ----- |
| ◆ | | BL | **TF TEST**TIME-OUT-SXD (W/O RETRIAL) | MW 18M | ----- |
| ◆ | | BM | **TF TEST**TIME-OUT-CONTINUOUS STOP-SXD, XDD (W/O RETRIAL) | MW 18M | ----- |
| ◆ | | BN | **TF TEST**TIME-OUT-UXS-LPD, 20-CYCLE (W/O RETRIAL) | MW 18M | ----- |
| ◆ | | CN | **TF TEST**TIMING-PERM SIGNAL(10 TO 20 SEC) | MW 18M | ----- |
| ◆ | | CO | **TF TEST**TIMING-PARTIAL DIAL | MW 18M | ----- |
| ◆ | | CQ | **TF TEST**TIMING-PARTIAL DIAL INTERVAL (W/O RETRIAL) | MW 18M | ----- |
| ◆ | | CS | **TF TEST**TIMING-FLASH FWD (10 SEC) (W/O RETRIAL) | MW 18M | ----- |
| ◆ | 212-330-501 (10/0) | S | INCOMING MF & DP SENDERS | MW 18M | ----- |
| ◆ | SD-68575-01-SENDERS | | | | |
| ◆ | 212-216-501 (8/1) | A | **TF TEST**MF OUTPULSING-10-DIGIT CALL | MW 18M | ----- |
| ◆ | | B | **TF TEST**LOOP DIAL OUTPULSING-7-DIGIT | MW 18M | ----- |
| ◆ | | C | **TF TEST**DC KEYPULSE OUTPULSING | MW 18M | ----- |
| ◆ | | D | **TF TEST**SIMPLEX DIAL OUTPULSING | MW 18M | ----- |
| ◆ | | E | **TF TEST**MANUAL CALL | MW 18M | ----- |
| ◆ | | F | **TF TEST**MF OUTPULSING-7-DIGIT | MW 18M | ----- |
| ◆ | | G | **TF TEST**LOOP DIAL OUTPULSING-10-DIGIT | MW 18M | ----- |
| ◆ | | J | **TF TEST**TX CODES | MW 18M | ----- |
| ◆ | | K | **TF TEST**CODE CONVERSION | MW 18M | ----- |
| ◆ | | L | **TF TEST**RINGING SIMPLEX | MW 18M | ----- |
| ◆ | | M | **TF TEST**20-CYCLE RINGING | MW 18M | ----- |
| ◆ | | N | **TF TEST**S LEAD GROUND | MW 18M | ----- |
| ◆ | | O | **TF TEST**ABANDONED CALL | MW 18M | ----- |
| ◆ | | P | **TF TEST**FRAME IDENT FAILURE | MW 18M | ----- |
| ◆ | | Q | **TF TEST**PLK RELAY TEST | MW 18M | ----- |
| ◆ | | R | **TF TEST**THIRD TRIAL REORDER | MW 18M | ----- |
| ◆ | | S | **TF TEST**THIRD TRIAL TROUBLE RELEASE | MW 18M | ----- |
| ◆ | | T | **TF TEST**TRUNK GUARD TIMING FEATURE | MW 18M | ----- |
| ◆ | | U | **TF TEST**TG AND OF RELAY TEST (W/O RETRIAL) | MW 18M | ----- |
| ◆ | | V | **TF TEST**PERM SIG TIME-OUT | MW 18M | ----- |
| ◆ | | W | **TF TEST**FALSE KEY PULSE | MW 18M | ----- |
| ◆ | | X | **TF TEST**3-FREQ KEY PULSE | MW 18M | ----- |
| ◆ | | Y | **TF TEST**PARTIAL DIAL TIME-OUT | MW 18M | ----- |
| ◆ | | Z | **TF TEST**REGISTER REORDER REQUEST TO SENDER | MW 18M | ----- |

| | | | | |
|---|----|--|--------|-------|
| 212-216-501 (8/1) | AF | **TF TEST**3-FREQ DIGIT | MW 18M | ----- |
| | AG | **TF TEST**12-DIGIT REORDER | MW 18M | ----- |
| | AI | **TF TEST**PERM SIG & REORDER FAILURE | MW 18M | ----- |
| | AJ | **TF TEST**REORDER & TRBL RELEASE FAILURE TEST | MW 18M | ----- |
| | AL | **TF TEST**TTY PRINTOUT (ETS) | MW 18M | ----- |
| | AM | **TF TEST**START PULSE ERROR | MW 18M | ----- |
| | AN | **TF TEST**START PULSE CHECK-MANUAL CODE | MW 18M | ----- |
| | AO | **TF TEST**PRONOUNCEMENT REORDER | MW 18M | ----- |
| | AP | **TF TEST**CODE CHECK | MW 18M | ----- |
| | AQ | **TF TEST**FLASH BACK TEST | MW 18M | ----- |
| | AR | **TF TEST**MF CURRENT SUPPLY TRANSFER | MW 18M | ----- |
| | AT | **TF TEST**MARKER ENGAGED TIMING RECYCLE | MW 18M | ----- |
| | AU | **TF TEST**OVERLOAD TIMING-SHORT DELAY | MW 18M | ----- |
| | AV | **TF TEST**RCD SS-CARD & OGTI (W/O RETRIAL) | MW 18M | ----- |
| | AW | **TF TEST**RCD SS-CARD (W/O RETRIAL) | MW 18M | ----- |
| | AX | **TF TEST**RCD SS-NO CARD (W/O RETRIAL) | MW 18M | ----- |
| | AY | **TF TEST**RCD SS-NO CARD (W/O RETRIAL) | MW 18M | ----- |
| | BA | **TF TEST**REVERSED TRUNK (W/O RETRIAL) | MW 18M | ----- |
| | BC | **TF TEST**SXD GLARE (W/O RETRIAL) | MW 18M | ----- |
| | BF | **TF TEST**MF GLARE-FLASH RECOGNIZED (W/O RETRIAL) | MW 18M | ----- |
| | BG | **TF TEST**MF GLARE-FLASH NOT RECOGNIZED (W/O RETRIAL) | MW 18M | ----- |
| | BJ | **TF TEST**PREL SL FAILURE (W/O RETRIAL) | MW 18M | ----- |
| | BK | **TF TEST**TIME-OUT-UDD-LPD (W/O RETRIAL) | MW 18M | ----- |
| | BL | **TF TEST**TIME-OUT-SXD (W/O RETRIAL) | MW 18M | ----- |
| | BM | **TF TEST**TIME-OUT-CONTINUOUS STOP-SXD, XDD (W/O RETRIAL) | MW 18M | ----- |
| | BN | **TF TEST**TIME-OUT-UXS-LPD, 20-CYCLE (W/O RETRIAL) | MW 18M | ----- |
| | CN | **TF TEST**TIMING-PERM SIGNAL(10 TO 20 SEC) | MW 18M | ----- |
| | CO | **TF TEST**TIMING-PARTIAL DIAL | MW 18M | ----- |
| | CP | **TF TEST**PULSE GENERATOR | MW 18M | ----- |
| | CQ | **TF TEST**TIMING-PARTIAL DIAL INTERVAL (W/O RETRIAL) | MW 18M | ----- |
| | CS | **TF TEST**TIMING-FLASH FWD (10 SEC) (W/O RETRIAL) | MW 18M | ----- |
| 212-330-501 (10/0) | S | INCOMING MF & DP SENDERS | MW 18M | ----- |
| OPTIONAL FEATURES | | | | |
| AUXILIARY RECORDER | | | | |
| 212-216-501 (8/1) | AK | **TF TEST**AUX RECORDING TEST(ETS) | MW 18M | ----- |
| OFFICE TYPE 3 RETRIAL*CARD TRANSLATOR*SD-68491-01 | | | | |
| SELECT ONLY ONE CATEGORY | | | | |

SD-68222-01 SENDERS

212-216-501 (8/1)

| | | | |
|----|---|--------|-------|
| A | **TF TEST**MF OUTPULSING-10-DIGIT CALL | MW 18M | ----- |
| B | **TF TEST**LOOP DIAL OUTPULSING-7-DIGIT | MW 18M | ----- |
| C | **TF TEST**DC KEYPULSE OUTPULSING | MW 18M | ----- |
| D | **TF TEST**SIMPLEX DIAL OUTPULSING | MW 18M | ----- |
| E | **TF TEST**MANUAL CALL | MW 18M | ----- |
| F | **TF TEST**MF OUTPULSING-7-DIGIT | MW 18M | ----- |
| G | **TF TEST**LOOP DIAL OUTPULSING-10-DIGIT | MW 18M | ----- |
| J | **TF TEST**TX CODES | MW 18M | ----- |
| K | **TF TEST**CODE CONVERSION | MW 18M | ----- |
| L | **TF TEST**RINGING SIMPLEX | MW 18M | ----- |
| M | **TF TEST**20-CYCLE RINGING | MW 18M | ----- |
| N | **TF TEST**S LEAD GROUND | MW 18M | ----- |
| O | **TF TEST**ABANDONED CALL | MW 18M | ----- |
| P | **TF TEST**FRAME IDENT FAILURE | MW 18M | ----- |
| Q | **TF TEST**PLK RELAY TEST | MW 18M | ----- |
| R | **TF TEST**THIRD TRIAL REORDER | MW 18M | ----- |
| S | **TF TEST**THIRD TRIAL TROUBLE RELEASE | MW 18M | ----- |
| T | **TF TEST**TRUNK GUARD TIMING FEATURE | MW 18M | ----- |
| V | **TF TEST**PERM SIG TIME-OUT | MW 18M | ----- |
| W | **TF TEST**FALSE KEY PULSE | MW 18M | ----- |
| X | **TF TEST**3-FREQ KEY PULSE | MW 18M | ----- |
| Y | **TF TEST**PARTIAL DIAL TIME-OUT | MW 18M | ----- |
| AE | **TF TEST**EXTRA DIGIT-LOOP DIAL 20-CYCLE | MW 18M | ----- |
| AF | **TF TEST**3-FREQ DIGIT | MW 18M | ----- |
| AG | **TF TEST**12-DIGIT REORDER | MW 18M | ----- |
| AI | **TF TEST**PERM SIG & REORDER FAILURE | MW 18M | ----- |
| AJ | **TF TEST**REORDER & TRBL RELEASE FAILURE TEST | MW 18M | ----- |
| AM | **TF TEST**START PULSE ERROR | MW 18M | ----- |
| AN | **TF TEST**START PULSE CHECK-MANUAL CODE | MW 18M | ----- |
| AO | **TF TEST**PRONOUNCEMENT REORDER | MW 18M | ----- |
| AP | **TF TEST**CODE CHECK | MW 18M | ----- |
| AQ | **TF TEST**FLASH BACK TEST | MW 18M | ----- |
| AR | **TF TEST**MF CURRENT SUPPLY TRANSFER | MW 18M | ----- |
| AS | **TF TEST**TIMING VARIATION | MW 18M | ----- |
| AT | **TF TEST**MARKER ENGAGED TIMING RECYCLE | MW 18M | ----- |
| AU | **TF TEST**OVERLOAD TIMING-SHORT DELAY | MW 18M | ----- |
| CN | **TF TEST**TIMING-PERM SIGNAL (10 TO 20 SECONDS) | MW 18M | ----- |
| CO | **TF TEST**TIMING-PARTIAL DIAL | MW 18M | ----- |
| CX | **TF TEST**AUTO, MF, CDLC | MW 18M | ----- |

| | | | | |
|---------------------|----|--|--------|-------|
| 212-216-501 (8/1) | CY | **TF TEST**AUTO, MF, DLC | MW 18M | ----- |
| | CZ | **TF TEST**AUTO, SXD, XDD | MW 18M | ----- |
| | DA | **TF TEST**AUTO, SXD, NO XDD | MW 18M | ----- |
| | DB | **TF TEST**AUTO, SXD, NO XSG | MW 18M | ----- |
| | DC | **TF TEST**AUTO, SXD, XSG | MW 18M | ----- |
| | DD | **TF TEST**AUTO, LPD, XDD | MW 18M | ----- |
| | DE | **TF TEST**AUTO, LPD, NO XDD | MW 18M | ----- |
| | DF | **TF TEST**AUTO, LPD, NO XSG | MW 18M | ----- |
| | DG | **TF TEST**AUTO, LPD, XSG | MW 18M | ----- |
| | DH | **TF TEST**AUTO, DC | MW 18M | ----- |
| | DI | **TF TEST**AUTO, MANUAL, NO AV | MW 18M | ----- |
| | EN | **TF TEST**FINAL ATTEMPT TIMING | MW 18M | ----- |
| 212-330-501 (10/0) | S | INCOMING MF & DP SENDERS | MW 18M | ----- |
| SD-68575-01-SENDERS | | | | |
| 212-216-501 (8/1) | A | **TF TEST**MF OUTPULSING-10-DIGIT CALL | MW 18M | ----- |
| | B | **TF TEST**LOOP DIAL OUTPULSING-7-DIGIT | MW 18M | ----- |
| | C | **TF TEST**DC KEYPULSE OUTPULSING | MW 18M | ----- |
| | D | **TF TEST**SIMPLEX DIAL OUTPULSING | MW 18M | ----- |
| | E | **TF TEST**MANUAL CALL | MW 18M | ----- |
| | F | **TF TEST**MF OUTPULSING-7-DIGIT | MW 18M | ----- |
| | G | **TF TEST**LOOP DIAL OUTPULSING-10-DIGIT | MW 18M | ----- |
| | J | **TF TEST**TX CODES | MW 18M | ----- |
| | K | **TF TEST**CODE CONVERSION | MW 18M | ----- |
| | L | **TF TEST**RINGING SIMPLEX | MW 18M | ----- |
| | M | **TF TEST**20-CYCLE RINGING | MW 18M | ----- |
| | N | **TF TEST**S LEAD GROUND | MW 18M | ----- |
| | O | **TF TEST**ABANDONED CALL | MW 18M | ----- |
| | P | **TF TEST**FRAME IDENT FAILURE | MW 18M | ----- |
| | Q | **TF TEST**PLK RELAY TEST | MW 18M | ----- |
| | R | **TF TEST**THIRD TRIAL REORDER | MW 18M | ----- |
| | S | **TF TEST**THIRD TRIAL TROUBLE RELEASE | MW 18M | ----- |
| | T | **TF TEST**TRUNK GUARD TIMING FEATURE | MW 18M | ----- |
| | V | **TF TEST**PERM SIG TIME-OUT | MW 18M | ----- |
| | W | **TF TEST**FALSE KEY PULSE | MW 18M | ----- |
| | X | **TF TEST**3-FREQ KEY PULSE | MW 18M | ----- |
| | Y | **TF TEST**PARTIAL DIAL TIME-OUT | MW 18M | ----- |
| | Z | **TF TEST**REGISTER REORDER REQUEST TO SENDER | MW 18M | ----- |
| | AF | **TF TEST**3-FREQ DIGIT | MW 18M | ----- |
| | AG | **TF TEST**12-DIGIT REORDER | MW 18M | ----- |
| | AI | **TF TEST**PERM SIG & REORDER FAILURE | MW 18M | ----- |
| | AJ | **TF TEST**REORDER & TRBL RELEASE FAILURE TEST | MW 18M | ----- |

| | | | | |
|--------------------|----|--|--------|-------|
| 212-216-501 (8/1) | AM | **TF TEST**START PULSE ERROR | MW 18M | ----- |
| | AN | **TF TEST**START PULSE CHECK-MANUAL CODE | MW 18M | ----- |
| | AO | **TF TEST**PRONOUNCEMENT REORDER | MW 18M | ----- |
| | AP | **TF TEST**CODE CHECK | MW 18M | ----- |
| | AQ | **TF TEST**FLASH BACK TEST | MW 18M | ----- |
| | AR | **TF TEST**MF CURRENT SUPPLY TRANSFER | MW 18M | ----- |
| | AT | **TF TEST**MARKER ENGAGED TIMING RECYCLE | MW 18M | ----- |
| | AU | **TF TEST**OVERLOAD TIMING-SHORT DELAY | MW 18M | ----- |
| | CN | **TF TEST**TIMING-PERM SIGNAL (10 TO 20 SECONDS) | MW 18M | ----- |
| | CO | **TF TEST**TIMING-PARTIAL DIAL | MW 18M | ----- |
| | CP | **TF TEST**PULSE GENERATOR | MW 18M | ----- |
| | CX | **TF TEST**AUTO, MF, CDLC | MW 18M | ----- |
| | CY | **TF TEST**AUTO, MF, DLC | MW 18M | ----- |
| | CZ | **TF TEST**AUTO, SXD, XDD | MW 18M | ----- |
| | DA | **TF TEST**AUTO, SXD, NO XDD | MW 18M | ----- |
| | DB | **TF TEST**AUTO, SXD, NO XSG | MW 18M | ----- |
| | DC | **TF TEST**AUTO, SXD, XSG | MW 18M | ----- |
| | DD | **TF TEST**AUTO, LPD, XDD | MW 18M | ----- |
| | DE | **TF TEST**AUTO, LPD, NO XDD | MW 18M | ----- |
| | DF | **TF TEST**AUTO, LPD, NO XSG | MW 18M | ----- |
| | DG | **TF TEST**AUTO, LPD, XSG | MW 18M | ----- |
| | DH | **TF TEST**AUTO, DC | MW 18M | ----- |
| | DI | **TF TEST**AUTO, MANUAL, NO AV | MW 18M | ----- |
| | EN | **TF TEST**FINAL ATTEMPT TIMING | MW 18M | ----- |
| 212-330-501 (10/0) | S | INCOMING MF & DP SENDERS | MW 18M | ----- |

OFFICE TYPE 4 NON-RETRIAL*CARD TRANSLATOR*SD-68491-01

SELECT ONLY ONE CATEGORY

SD-68222-01 SENDERS

| | | | | |
|-------------------|---|--|--------|-------|
| 212-216-501 (8/1) | A | **TF TEST**MF OUTPULSING-10-DIGIT CALL | MW 18M | ----- |
| | B | **TF TEST**LOOP DIAL OUTPULSING-7-DIGIT | MW 18M | ----- |
| | C | **TF TEST**DC KEYPULSE OUTPULSING | MW 18M | ----- |
| | D | **TF TEST**SIMPLEX DIAL OUTPULSING | MW 18M | ----- |
| | E | **TF TEST**MANUAL CALL | MW 18M | ----- |
| | F | **TF TEST**MF OUTPULSING-7-DIGIT | MW 18M | ----- |
| | G | **TF TEST**LOOP DIAL OUTPULSING-10-DIGIT | MW 18M | ----- |
| | J | **TF TEST**TX CODES | MW 18M | ----- |
| | K | **TF TEST**CODE CONVERSION | MW 18M | ----- |
| | L | **TF TEST**RINGING SIMPLEX | MW 18M | ----- |
| | M | **TF TEST**20-CYCLE RINGING | MW 18M | ----- |
| | N | **TF TEST**S LEAD GROUND | MW 18M | ----- |

| | | | | |
|-------------------|----|--|--------|-------|
| 212-216-501 (8/1) | O | **TF TEST**ABANDONED CALL | MW 18M | ----- |
| | P | **TF TEST**FRAME IDENT FAILURE | MW 18M | ----- |
| | Q | **TF TEST**PLK RELAY TEST | MW 18M | ----- |
| | R | **TF TEST**THIRD TRIAL REORDER | MW 18M | ----- |
| | S | **TF TEST**THIRD TRIAL TROUBLE RELEASE | MW 18M | ----- |
| | T | **TF TEST**TRUNK GUARD TIMING FEATURE | MW 18M | ----- |
| | U | **TF TEST**TG AND OF RELAY TEST (W/O RETRIAL) | MW 18M | ----- |
| | V | **TF TEST**PERM SIG TIME-OUT | MW 18M | ----- |
| | W | **TF TEST**FALSE KEY PULSE | MW 18M | ----- |
| | X | **TF TEST**3-FREQ KEY PULSE | MW 18M | ----- |
| | Y | **TF TEST**PARTIAL DIAL TIME-OUT | MW 18M | ----- |
| | AE | **TF TEST**EXTRA DIGIT-LOOP DIAL 20-CYCLE | MW 18M | ----- |
| | AF | **TF TEST**3-FREQ DIGIT | MW 18M | ----- |
| | AG | **TF TEST**12-DIGIT REORDER | MW 18M | ----- |
| | AI | **TF TEST**PERM SIG & REORDER FAILURE | MW 18M | ----- |
| | AJ | **TF TEST**REORDER & TRBL RELEASE FAILURE TEST | MW 18M | ----- |
| | AM | **TF TEST**START PULSE ERROR | MW 18M | ----- |
| | AN | **TF TEST**START PULSE CHECK-MANUAL CODE | MW 18M | ----- |
| | AO | **TF TEST**PRONOUNCEMENT REORDER | MW 18M | ----- |
| | AP | **TF TEST**CODE CHECK | MW 18M | ----- |
| | AQ | **TF TEST**FLASH BACK TEST | MW 18M | ----- |
| | AR | **TF TEST**MF CURRENT SUPPLY TRANSFER | MW 18M | ----- |
| | AS | **TF TEST**TIMING VARIATION | MW 18M | ----- |
| | AT | **TF TEST**MARKER ENGAGED TIMING RECYCLE | MW 18M | ----- |
| | AU | **TF TEST**OVERLOAD TIMING-SHORT DELAY | MW 18M | ----- |
| | AV | **TF TEST**RCD SS-CARD & OGTI (W/O RETRIAL) | MW 18M | ----- |
| | AW | **TF TEST**RCD SS-CARD (W/O RETRIAL) | MW 18M | ----- |
| | AX | **TF TEST**RCD SS-NO CARD (W/O RETRIAL) | MW 18M | ----- |
| | AY | **TF TEST**RCD SS-NO CARD (W/O RETRIAL) | MW 18M | ----- |
| | BA | **TF TEST**REVERSED TRUNK (W/O RETRIAL) | MW 18M | ----- |
| | BC | **TF TEST**SXD GLARE (W/O RETRIAL) | MW 18M | ----- |
| | BF | **TF TEST**MF GLARE-FLASH RECOGNIZED (W/O RETRIAL) | MW 18M | ----- |
| | BG | **TF TEST**MF GLARE-FLASH NOT RECOGNIZED (W/O RETRIAL) | MW 18M | ----- |
| | BJ | **TF TEST**PREL SL FAILURE (W/O RETRIAL) | MW 18M | ----- |
| | BK | **TF TEST**TIME-OUT-UDD-LPD (W/O RETRIAL) | MW 18M | ----- |
| | BL | **TF TEST**TIME-OUT-SXD (W/O RETRIAL) | MW 18M | ----- |
| | BM | **TF TEST**TIME-OUT-CONTINUOUS STOP-SXD, XDD (W/O RETRIAL) | MW 18M | ----- |
| | BN | **TF TEST**TIME-OUT-UXS-LPD, 20-CYCLE (W/O RETRIAL) | MW 18M | ----- |

SECTION 212-001-014

| | | | | |
|---------------------|----|---|--------|-------|
| 212-216-501 (8/1) | CN | **TF TEST**TIMING-PERM SIGNAL (10 TO 20 SECONDS) | MW 18M | ----- |
| | CO | **TF TEST**TIMING-PARTIAL DIAL | MW 18M | ----- |
| | CQ | **TF TEST**TIMING-PARTIAL DIAL INTERVAL (W/O RETRIAL) | MW 18M | ----- |
| | CS | **TF TEST**TIMING-FLASH FWD (10 SEC) (W/O RETRIAL) | MW 18M | ----- |
| 212-330-501 (10/0) | S | INCOMING MF & DP SENDERS | MW 18M | ----- |
| SD-68575-01-SENDERS | | | | |
| 212-216-501 (8/1) | A | **TF TEST**MF OUTPULSING-10-DIGIT CALL | MW 18M | ----- |
| | B | **TF TEST**LOOP DIAL OUTPULSING-7-DIGIT | MW 18M | ----- |
| | C | **TF TEST**DC KEYPULSE OUTPULSING | MW 18M | ----- |
| | D | **TF TEST**SIMPLEX DIAL OUTPULSING | MW 18M | ----- |
| | E | **TF TEST**MANUAL CALL | MW 18M | ----- |
| | F | **TF TEST**MF OUTPULSING-7-DIGIT | MW 18M | ----- |
| | G | **TF TEST**LOOP DIAL OUTPULSING-10-DIGIT | MW 18M | ----- |
| | J | **TF TEST**TX CODES | MW 18M | ----- |
| | K | **TF TEST**CODE CONVERSION | MW 18M | ----- |
| | L | **TF TEST**RINGING SIMPLEX | MW 18M | ----- |
| | M | **TF TEST**20-CYCLE RINGING | MW 18M | ----- |
| | N | **TF TEST**S LEAD GROUND | MW 18M | ----- |
| | O | **TF TEST**ABANDONED CALL | MW 18M | ----- |
| | P | **TF TEST**FRAME IDENT FAILURE | MW 18M | ----- |
| | Q | **TF TEST**PLK RELAY TEST | MW 18M | ----- |
| | R | **TF TEST**THIRD TRIAL REORDER | MW 18M | ----- |
| | S | **TF TEST**THIRD TRIAL TROUBLE RELEASE | MW 18M | ----- |
| | T | **TF TEST**TRUNK GUARD TIMING FEATURE | MW 18M | ----- |
| | U | **TF TEST**TG AND OF RELAY TEST (W/O RETRIAL) | MW 18M | ----- |
| | V | **TF TEST**PERM SIG TIME-OUT | MW 18M | ----- |
| | W | **TF TEST**FALSE KEY PULSE | MW 18M | ----- |
| | X | **TF TEST**3-FREQ KEY PULSE | MW 18M | ----- |
| | Y | **TF TEST**PARTIAL DIAL TIME-OUT | MW 18M | ----- |
| | Z | **TF TEST**REGISTER REORDER REQUEST TO SENDER | MW 18M | ----- |
| | AF | **TF TEST**3-FREQ DIGIT | MW 18M | ----- |
| | AG | **TF TEST**12-DIGIT REORDER | MW 18M | ----- |
| | AI | **TF TEST**PERM SIG & REORDER FAILURE | MW 18M | ----- |
| | AJ | **TF TEST**REORDER & TRBL RELEASE FAILURE TEST | MW 18M | ----- |
| | AM | **TF TEST**START PULSE ERROR | MW 18M | ----- |
| | AN | **TF TEST**START PULSE CHECK-MANUAL CODE | MW 18M | ----- |
| | AO | **TF TEST**PRONOUNCEMENT REORDER | MW 18M | ----- |
| | AP | **TF TEST**CODE CHECK | MW 18M | ----- |
| | AQ | **TF TEST**FLASH BACK TEST | MW 18M | ----- |

| | | | | |
|---|----|--|--------|-------|
| 212-216-501 (8/1) | AR | **TF TEST**MF CURRENT SUPPLY TRANSFER | MW 18M | ----- |
| | AT | **TF TEST**MARKER ENGAGED TIMING RECYCLE | MW 18M | ----- |
| | AU | **TF TEST**OVERLOAD TIMING-SHORT DELAY | MW 18M | ----- |
| | AV | **TF TEST**RCD SS-CARD & OGTI (W/O RETRIAL) | MW 18M | ----- |
| | AW | **TF TEST**RCD SS-CARD (W/O RETRIAL) | MW 18M | ----- |
| | AX | **TF TEST**RCD SS-NO CARD (W/O RETRIAL) | MW 18M | ----- |
| | AY | **TF TEST**RCD SS-NO CARD (W/O RETRIAL) | MW 18M | ----- |
| | BA | **TF TEST**REVERSED TRUNK (W/O RETRIAL) | MW 18M | ----- |
| | BC | **TF TEST**SXD GLARE (W/O RETRIAL) | MW 18M | ----- |
| | BF | **TF TEST**MF GLARE-FLASH RECOGNIZED (W/O RETRIAL) | MW 18M | ----- |
| | BG | **TF TEST**MF GLARE-FLASH NOT RECOGNIZED (W/O RETRIAL) | MW 18M | ----- |
| | BJ | **TF TEST**PREL SL FAILURE (W/O RETRIAL) | MW 18M | ----- |
| | BK | **TF TEST**TIME-OUT-UDD-LPD (W/O RETRIAL) | MW 18M | ----- |
| | BL | **TF TEST**TIME-OUT-SXD (W/O RETRIAL) | MW 18M | ----- |
| | BM | **TF TEST**TIME-OUT-CONTINUOUS STOP-SXD, XDD (W/O RETRIAL) | MW 18M | ----- |
| | BN | **TF TEST**TIME-OUT-UXS-LPD, 20-CYCLE (W/O RETRIAL) | MW 18M | ----- |
| | CN | **TF TEST**TIMING-PERM SIGNAL (10 TO 20 SEC) | MW 18M | ----- |
| | CO | **TF TEST**TIMING-PARTIAL DIAL | MW 18M | ----- |
| | CP | **TF TEST**PULSE GENERATOR | MW 18M | ----- |
| | CQ | **TF TEST**TIMING-PARTIAL DIAL INTERVAL (W/O RETRIAL) | MW 18M | ----- |
| | CS | **TF TEST**TIMING-FLASH FWD (10 SEC) (W/O RETRIAL) | MW 18M | ----- |
| 212-330-501 (10/0) | S | INCOMING MF & DP SENDERS | MW 18M | ----- |
| OFFICE TYPE 5 NON-RETRIAL*ETS*SD-68226-01 | | | | |
| SELECT ONLY ONE CATEGORY | | | | |
| SD-68222-01 SENDERS | | | | |
| 212-212-501 (6/2) | A | **TF TEST**INTERTOLL CODE-MF IN-MF OUT | MW 18M | ----- |
| | B | **TF TEST**TOLL COMPLETING CODE-MF IN-MF OUT | MW 18M | ----- |
| | C | **TF TEST**TOLL COMPLETING CODE-MF IN-DC KEY OUT | MW 18M | ----- |
| | L | **TF TEST**TX CODES | MW 18M | ----- |
| | M | **TF TEST**INCOMING CALL FROM A NO. 5 TOLL SWBD | MW 18M | ----- |
| | N | **TF TEST**MANUAL CODE | MW 18M | ----- |
| | O | **TF TEST**CODE CONVERSION | MW 18M | ----- |
| | Q | **TF TEST**INTERTOLL CODE-MF IN-SX DP OUT | MW 18M | ----- |
| | R | **TF TEST**TOLL COMPL CODE-MFPULSING IN-LOOP DP OUT | MW 18M | ----- |
| | U | **TF TEST**START PULSE ERROR | MW 18M | ----- |
| | V | **TF TEST**LOW INPUT | MW 18M | ----- |

SECTION 212-001-014

| | | | | |
|-------------------|----|--|--------|-------|
| 212-212-501 (6/2) | W | **TF TEST**SLOW KEY PULSE | MW 18M | ----- |
| | X | **TF TEST**PULSE REVERSAL | MW 18M | ----- |
| | Y | **TF TEST**3 FREQUENCY KEY PULSE SIGNAL | MW 18M | ----- |
| | Z | **TF TEST**TWIST TEST | MW 18M | ----- |
| | AA | **TF TEST**FALSE KEY PULSE SIGNAL | MW 18M | ----- |
| | AB | **TF TEST**3 FREQUENCY DIGIT | MW 18M | ----- |
| | AC | **TF TEST**PRELIMINARY SINGLE FREQ | MW 18M | ----- |
| | AD | **TF TEST**"S" LEAD GROUND | MW 18M | ----- |
| | AE | **TF TEST**ABANDONED CALL | MW 18M | ----- |
| | AF | **TF TEST**FRAME IDENTIFICATION FAILURE | MW 18M | ----- |
| | AG | **TF TEST**REVERSE MF PATH | MW 18M | ----- |
| | AH | **TF TEST**FLASH BACK FEATURE | MW 18M | ----- |
| | AI | **TF TEST**TWELVE DIGIT REORDER | MW 18M | ----- |
| | AJ | **TF TEST**INTERSENDER LOAD CONT TMR-SHORT DELAY | MW 18M | ----- |
| | AK | **TF TEST**INTERSENDER LOAD CONT TMR-LONG DELAY | MW 18M | ----- |
| | AL | **TF TEST**INTERSENDER LOAD CONT TMR-"PRO" ROUTING | MW 18M | ----- |
| | AM | **TF TEST**THIRD TRIAL REORDER | MW 18M | ----- |
| | AN | **TF TEST**THIRD TRIAL TROUBLE RELEASE | MW 18M | ----- |
| | AO | **TF TEST**RECORD STUCK SENDER-CHAIN AVAILABLE | MW 18M | ----- |
| | AP | **TF TEST**RECORD SS-CHAIN NOT AVAILABLE | MW 18M | ----- |
| | AQ | **TF TEST**GLARE TEST-SIMPLEX DIAL PULSING OUT | MW 18M | ----- |
| | AR | **TF TEST**EXPECTED DIAL DELAY | MW 18M | ----- |
| | AS | **TF TEST**EXPECTED STOP DIAL | MW 18M | ----- |
| | AT | **TF TEST**RINGING CHECK | MW 18M | ----- |
| | AU | **TF TEST**OPERATION TEST OF TG AND OF RELAYS | MW 18M | ----- |
| | AV | **TF TEST**TGT FAILURE | MW 18M | ----- |
| | AW | **TF TEST**PULSE ABSORPTION | MW 18M | ----- |
| | AX | **TF TEST**REVERSE TRUNK TEST | MW 18M | ----- |
| | AY | **TF TEST**CHAIN CIRCUIT FEATURE | MW 18M | ----- |
| | AZ | **TF TEST**MF CURRENT SUPPLY TRANSFER FEATURE | MW 18M | ----- |
| | BA | **TF TEST**PERM SIGNAL TIME-OUT | MW 18M | ----- |
| | BB | **TF TEST**PARTIAL DIAL TIME-OUT | MW 18M | ----- |
| | BC | **TF TEST**REORDER AND TBL RELEASE FAILURE TIME-OUT | MW 18M | ----- |
| | BE | **TF TEST**MF SDR TIME-OUT-8 DIGITS REGISTERED | MW 18M | ----- |
| | BF | **TF TEST**STUCK SDR TIME-OUT-CHAIN CKT AVAIL. | MW 18M | ----- |
| | BG | **TF TEST**STUCK SDR TIME-OUT-CHAIN CKT NOT AVAIL. | MW 18M | ----- |

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|---------------------|----|--|--------|-------|
| 212-212-501 (6/2) | BH | **TF TEST**REORDER FAILURE TIME-OUT-STUCK SENDER | MW 18M | ----- |
| | BI | **TF TEST**UNEXPECTED DEL DIAL TIME-OUT-LOOP DIAL CALL | MW 18M | ----- |
| | BJ | **TF TEST**UNEXPECTED STOP DIAL TIME-OUT-LOOP DIAL CALL | MW 18M | ----- |
| | BK | **TF TEST**CONT OFF-HOOK CONDITION TIME-OUT-SX DP OUT | MW 18M | ----- |
| | BL | **TF TEST**GLARE TIME-OUT-SIM SZRE OF MFP 2-WAY TRK | MW 18M | ----- |
| | BM | **TF TEST**SDR DOES NOT COMPL SLV CHK TIME-OUT-MFP OUT | MW 18M | ----- |
| | BN | **TF TEST**GLARE TIME-OUT-FLASH NOT RECOGNIZED | MW 18M | ----- |
| | BO | **TF TEST**CONT STOP SIG TIME-OUT-SX DL-EXPT DL DEL CALL | MW 18M | ----- |
| | BP | **TF TEST**TMG VAR CONT & MKR ENGAGED RECYCLE FEAT. | MW 18M | ----- |
| | BQ | **TF TEST*START PULSE-MANUAL OUTGOING | MW 18M | ----- |
| | BR | **TF TEST**PLK RELAY TEST | MW 18M | ----- |
| | BS | **TF TEST**TOLL COMPL CODE, WET-DRY, CONT RING | MW 18M | ----- |
| | BT | **TF TEST**EXTRA DIG RO-MF IN-LOOP DIAL, 20 CYCLE OUT | MW 18M | ----- |
| | BU | **TF TEST**MF REC LOW VOLT FILAMENT SUPPLY TRANSFER | MW 18M | ----- |
| | BW | **TF TEST**TELETYPEWRITER PRINTOUT | MW 18M | ----- |
| 212-330-501 (10/0) | S | INCOMING MF & DP SENDERS | MW 18M | ----- |
| SD-68575-01-SENDERS | | | | |
| 212-212-501 (6/2) | A | **TF TEST**INTERTOLL CODE-MF IN-MF OUT | MW 18M | ----- |
| | B | **TF TEST**TOLL COMPLETING CODE-MF IN-MF OUT | MW 18M | ----- |
| | C | **TF TEST**TOLL COMPLETING CODE-MF IN-DC KEY OUT | MW 18M | ----- |
| | L | **TF TEST**TX CODES | MW 18M | ----- |
| | N | **TF TEST**MANUAL CODE | MW 18M | ----- |
| | O | **TF TEST**CODE CONVERSION | MW 18M | ----- |
| | Q | **TF TEST**INTERTOLL CODE-MF IN-SX DP OUT | MW 18M | ----- |
| | R | **TF TEST**TOLL COMPL CODE-MF PULSING | MW 18M | ----- |
| | U | **TF TEST**START PULSE ERROR | MW 18M | ----- |
| | V | **TF TEST**LOW INPUT | MW 18M | ----- |
| | W | **TF TEST**SLOW KEY PULSE | MW 18M | ----- |
| | X | **TF TEST**PULSE REVERSAL | MW 18M | ----- |
| | Y | **TF TEST**3 FREQUENCY KEY PULSE SIGNAL | MW 18M | ----- |
| | Z | **TF TEST**TWIST TEST | MW 18M | ----- |
| | AA | **TF TEST**FALSE KEY PULSE SIG | MW 18M | ----- |
| | AB | **TF TEST**3 FREQUENCY DIGIT | MW 18M | ----- |
| | AD | **TF TEST**"S" LEAD GROUND | MW 18M | ----- |

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|---|-------------------|----|---|--------|-------|
| ◆ | 212-212-501 (6/2) | AE | **TF TEST**ABANDONED CALL | MW 18M | ----- |
| ◆ | | AF | **TF TEST**FRAME IDENTIFICATION FAILURE | MW 18M | ----- |
| ◆ | | AG | **TF TEST**REVERSE MF PATH | MW 18M | ----- |
| ◆ | | AH | **TF TEST**FLASH BACK FEATURE | MW 18M | ----- |
| ◆ | | AI | **TF TEST**TWELVE DIGIT REORDER | MW 18M | ----- |
| ◆ | | AJ | **TF TEST**INTERSENDER LOAD CONT TMR-SHORT DELAY | MW 18M | ----- |
| ◆ | | AK | **TF TEST**INTERSENDER LOAD CONT TMR-LONG DELAY | MW 18M | ----- |
| ◆ | | AL | **TF TEST**INTERSENDER LOAD CONT TMR-"PRO" ROUTING | MW 18M | ----- |
| ◆ | | AM | **TF TEST**THIRD TRIAL REORDER | MW 18M | ----- |
| ◆ | | AN | **TF TEST**THIRD TRIAL TROUBLE RELEASE | MW 18M | ----- |
| ◆ | | AO | **TF TEST**RECORD STUCK SENDER-CHAIN AVAILABLE | MW 18M | ----- |
| ◆ | | AP | **TF TEST**RECORD SS-CHAIN NOT AVAILABLE | MW 18M | ----- |
| ◆ | | AQ | **TF TEST**GLARE TEST-SIMPLEX DIAL PULSING OUT | MW 18M | ----- |
| ◆ | | AR | **TF TEST**EXPECTED DIAL DELAY | MW 18M | ----- |
| ◆ | | AS | **TF TEST**EXPECTED STOP DIAL | MW 18M | ----- |
| ◆ | | AT | **TF TEST**RINGING CHECK | MW 18M | ----- |
| ◆ | | AU | **TF TEST**OPERATION TEST OF TG AND OF RELAYS | MW 18M | ----- |
| ◆ | | AV | **TF TEST**TGT FAILURE | MW 18M | ----- |
| ◆ | | AW | **TF TEST**PULSE ABSORPTION | MW 18M | ----- |
| ◆ | | AX | **TF TEST**REVERSE TRUNK TEST | MW 18M | ----- |
| ◆ | | AY | **TF TEST**CHAIN CIRCUIT FEATURE | MW 18M | ----- |
| ◆ | | AZ | **TF TEST**MF CURRENT SUPPLY TRANSFER FEATURE | MW 18M | ----- |
| ◆ | | BA | **TF TEST**PERM SIGNAL TIME-OUT | MW 18M | ----- |
| ◆ | | BB | **TF TEST**PARTIAL DIAL TIME-OUT | MW 18M | ----- |
| ◆ | | BC | **TF TEST**REORDER AND TBL RELEASE FAILURE TIME-OUT | MW 18M | ----- |
| ◆ | | BE | **TF TEST**MF SDR TIME-OUT-8 DIGITS REGISTERED | MW 18M | ----- |
| ◆ | | BF | **TF TEST**STUCK SDR TIME-OUT-CHAIN CKT AVAIL. | MW 18M | ----- |
| ◆ | | BG | **TF TEST**STUCK SDR TIME-OUT-CHAIN CKT NOT AVAIL. | MW 18M | ----- |
| ◆ | | BH | **TF TEST**REORDER FAILURE TIME-OUT-STUCK SENDER | MW 18M | ----- |
| ◆ | | BI | **TF TEST**UNEXPECTED DEL DIAL TIME-OUT-LOOP DIAL CALL | MW 18M | ----- |
| ◆ | | BJ | **TF TEST**UNEXPECTED STOP DIAL TIME-OUT-LOOP DIAL CALL | MW 18M | ----- |
| ◆ | | BK | **TF TEST**CONT OFF-HOOK COND TIME-OUT-SX DP OUT | MW 18M | ----- |
| ◆ | | BL | **TF TEST**GLARE TIME-OUT-SIM SZRE OF MFP 2-WAY TRK | MW 18M | ----- |
| ◆ | | BM | **TF TEST**SDR DOES NOT COMPL SLV CHK TIME-OUT-MFP OUT | MW 18M | ----- |

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|---|----|--|--------|-------|
| 212-212-501 (6/2) | BN | **TF TEST**GLARE TIME-OUT-FLASH NOT RECOGNIZED | MW 18M | ----- |
| | BO | **TF TEST**CONT STOP SIG TIME-OUT-SX DL-EXPT DL DEL CALL | MW 18M | ----- |
| | BQ | **TF TEST**START PULSE-MANUAL OUTGOING | MW 18M | ----- |
| | BR | **TF TEST**PLK RELAY TEST | MW 18M | ----- |
| | BS | **TF TEST**TOLL COMPL CODE, WET-DRY, CONT RING | MW 18M | ----- |
| | BU | **TF TEST**MF REC LOW VOLT FILAMENT SUPPLY TRANSFER | MW 18M | ----- |
| | BW | **TF TEST**TELETYPEWRITER PRINTOUT | MW 18M | ----- |
| 212-330-501 (10/0) | S | INCOMING MF & DP SENDERS | MW 18M | ----- |
| OPTIONAL FEATURES | | | | |
| AUXILIARY RECORDER | | | | |
| 212-212-501 (6/2) | BV | **TF TEST**AUXILIARY RECORDING-IBM CARD | MW 18M | ----- |
| OFFICE TYPE 6 NON-RETRIAL*CARD TRANSLATOR*SD-68226-01 | | | | |
| SELECT ONLY ONE CATEGORY | | | | |
| SD-68222-01 SENDERS | | | | |
| 212-212-501 (6/2) | A | **TF TEST**INTERTOLL CODE-MF IN-MF OUT | MW 18M | ----- |
| | B | **TF TEST**TOLL COMPLETING CODE-MF IN-MF OUT | MW 18M | ----- |
| | C | **TF TEST**TOLL COMPLETING CODE-MF IN-DC KEY OUT | MW 18M | ----- |
| | L | **TF TEST**TX CODES | MW 18M | ----- |
| | M | **TF TEST**INCOMING CALL FROM A NO. 5 TOLL SWBD | MW 18M | ----- |
| | N | **TF TEST**MANUAL CODE | MW 18M | ----- |
| | O | **TF TEST**CODE CONVERSION | MW 18M | ----- |
| | P | **TF TEST**6 DIGIT TRANSLATION | MW 18M | ----- |
| | Q | **TF TEST**INTERTOLL CODE-MF IN-SX DP OUT | MW 18M | ----- |
| | R | **TF TEST**TOLL COMPL CODE-MF PULSING IN-LOOP DP OUT | MW 18M | ----- |
| | U | **TF TEST**START PULSE ERROR | MW 18M | ----- |
| | V | **TF TEST**LOW INPUT | MW 18M | ----- |
| | W | **TF TEST**SLOW KEY PULSE | MW 18M | ----- |
| | X | **TF TEST**PULSE REVERSAL | MW 18M | ----- |
| | Y | **TF TEST**3 FREQUENCY KEY PULSE SIGNAL | MW 18M | ----- |
| | Z | **TF TEST**TWIST TEST | MW 18M | ----- |
| | AA | **TF TEST**FALSE KEY PULSE SIG | MW 18M | ----- |
| | AB | **TF TEST**3 FREQUENCY DIGIT | MW 18M | ----- |
| | AC | **TF TEST**PRELIMINARY SINGLE FREQ | MW 18M | ----- |
| | AD | **TF TEST**"S" LEAD GROUND | MW 18M | ----- |
| | AE | **TF TEST**ABANDONED CALL | MW 18M | ----- |
| | AF | **TF TEST**FRAME IDENTIFICATION FAILURE | MW 18M | ----- |
| | AG | **TF TEST**REVERSE MF PATH | MW 18M | ----- |

| | | | | |
|-------------------|----|--|--------|-------|
| 212-212-501 (6/2) | AH | **TF TEST**FLASH BACK FEATURE | MW 18M | ----- |
| | AI | **TF TEST**TWELVE DIGIT REORDER | MW 18M | ----- |
| | AJ | **TF TEST**INTERSENDER LOAD CONT TMR-SHORT DELAY | MW 18M | ----- |
| | AK | **TF TEST**INTERSENDER LOAD CONT TMR-LONG DELAY | MW 18M | ----- |
| | AL | **TF TEST**INTERSENDER LOAD CONT TMR-"PRO" ROUTING | MW 18M | ----- |
| | AM | **TF TEST**THIRD TRIAL REORDER | MW 18M | ----- |
| | AN | **TF TEST**THIRD TRIAL TROUBLE RELEASE | MW 18M | ----- |
| | AO | **TF TEST**RECORD STUCK SENDER-CHAIN AVAILABLE | MW 18M | ----- |
| | AP | **TF TEST**RECORD SS-CHAIN NOT AVAILABLE | MW 18M | ----- |
| | AQ | **TF TEST**GLARE TEST-SIMPLEX DIAL PULSING OUT | MW 18M | ----- |
| | AR | **TF TEST**EXPECTED DIAL DELAY | MW 18M | ----- |
| | AS | **TF TEST**EXPECTED STOP DIAL | MW 18M | ----- |
| | AT | **TF TEST**RINGING CHECK | MW 18M | ----- |
| | AU | **TF TEST**OPERATION TEST OF TG AND OF RELAYS | MW 18M | ----- |
| | AV | **TF TEST**TGT FAILURE | MW 18M | ----- |
| | AW | **TF TEST**PULSE ABSORPTION | MW 18M | ----- |
| | AX | **TF TEST**REVERSE TRUNK TEST | MW 18M | ----- |
| | AY | **TF TEST**CHAIN CIRCUIT FEATURE | MW 18M | ----- |
| | AZ | **TF TEST**MF CURRENT SUPPLY TRANSFER FEATURE | MW 18M | ----- |
| | BA | **TF TEST**PERM SIGNAL TIME-OUT | MW 18M | ----- |
| | BB | **TF TEST**PARTIAL DIAL TIME-OUT | MW 18M | ----- |
| | BC | **TF TEST**REORDER AND TBL RELEASE FAILURE TIME-OUT | MW 18M | ----- |
| | BE | **TF TEST**MF SDR TIME-OUT-8 DIGITS REGISTERED | MW 18M | ----- |
| | BF | **TF TEST**STUCK SDR TIME-OUT-CHAIN CKT AVAIL. | MW 18M | ----- |
| | BG | **TF TEST**STUCK SDR TIME-OUT-CHAIN CKT NOT AVAIL. | MW 18M | ----- |
| | BH | **TF TEST**REORDER FAILURE TIME-OUT-STUCK SENDER | MW 18M | ----- |
| | BI | **TF TEST**UNEXPECTED DEL DIAL TIME-OUT-LOOP DIAL CALL | MW 18M | ----- |
| | BJ | **TF TEST**UNEXPECTED STOP DIAL TIME-OUT-LOOP DIAL CALL | MW 18M | ----- |
| | BK | **TF TEST**CONT OFF-HOOK COND TIME-OUT-SX DP OUT | MW 18M | ----- |
| | BL | **TF TEST**GLARE TIME-OUT-SIM SZRE OF MFP 2-WAY TRK | MW 18M | ----- |
| | BM | **TF TEST**SDR DOES NOT COMPL SLV CHK TIME-OUT-MFP OUT | MW 18M | ----- |
| | BN | **TF TEST**GLARE TIME-OUT-FLASH NOT RECOGNIZED | MW 18M | ----- |
| | BO | **TF TEST**CONT STOP SIG TIME-OUT-SX DL-EXPT DL DEL CALL | MW 18M | ----- |

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|---------------------|----|---|--------|-------|
| 212-212-501 (6/2) | BP | **TF TEST**TMG VAR CONT & MKR ENGAGED RECYCLE FEAT. | MW 18M | ----- |
| | BQ | **TF TEST**START PULSE-MANUAL OUTGOING | MW 18M | ----- |
| | BR | **TF TEST**PLK RELAY TEST | MW 18M | ----- |
| | BS | **TF TEST**TOLL COMPL CODE, WET-DRY, CONT RING | MW 18M | ----- |
| | BT | **TF TEST**EXTRA DIG RO-MF IN-LOOP DIAL, 20 CYCLE OUT | MW 18M | ----- |
| | BU | **TF TEST**MF REC LOW VOLT FILAMENT SUPPLY TRANSFER | MW 18M | ----- |
| 212-330-501 (10/0) | S | INCOMING MF & DP SENDERS | MW 18M | ----- |
| SD-68575-01-SENDERS | | | | |
| 212-212-501 (6/2) | A | **TF TEST**INTERTOLL CODE-MF IN-MF OUT | MW 18M | ----- |
| | B | **TF TEST**TOLL COMPLETING CODE-MF IN-MF OUT | MW 18M | ----- |
| | C | **TF TEST**TOLL COMPLETING CODE-MF IN-DC KEY OUT | MW 18M | ----- |
| | L | **TF TEST**TX CODES | MW 18M | ----- |
| | N | **TF TEST**MANUAL CODE | MW 18M | ----- |
| | O | **TF TEST**CODE CONVERSION | MW 18M | ----- |
| | P | **TF TEST**6 DIGIT TRANSLATION | MW 18M | ----- |
| | Q | **TF TEST**INTERTOLL CODE-MF IN-SX DP OUT | MW 18M | ----- |
| | R | **TF TEST**TOLL COMPL CODE-MF PULSING IN-LOOP DP OUT | MW 18M | ----- |
| | U | **TF TEST**START PULSE ERROR | MW 18M | ----- |
| | V | **TF TEST**LOW INPUT | MW 18M | ----- |
| | W | **TF TEST**SLOW KEY PULSE | MW 18M | ----- |
| | X | **TF TEST**PULSE REVERSAL | MW 18M | ----- |
| | Y | **TF TEST**3 FREQUENCY KEY PULSE SIGNAL | MW 18M | ----- |
| | Z | **TF TEST**TWIST TEST | MW 18M | ----- |
| | AA | **TF TEST**FALSE KEY PULSE SIG | MW 18M | ----- |
| | AB | **TF TEST**3 FREQUENCY DIGIT | MW 18M | ----- |
| | AD | **TF TEST**"S" LEAD GROUND | MW 18M | ----- |
| | AE | **TF TEST**ABANDONED CALL | MW 18M | ----- |
| | AF | **TF TEST**FRAME IDENTIFICATION FAILURE | MW 18M | ----- |
| | AG | **TF TEST**REVERSE MF PATH | MW 18M | ----- |
| | AH | **TF TEST**FLASH BACK FEATURE | MW 18M | ----- |
| | AI | **TF TEST**TWELVE DIGIT REORDER | MW 18M | ----- |
| | AJ | **TF TEST**INTERSENDER LOAD CONT TMR-SHORT DELAY | MW 18M | ----- |
| | AK | **TF TEST**INTERSENDER LOAD CONT TMR-LONG DELAY | MW 18M | ----- |
| | AL | **TF TEST**INTERSENDER LOAD CONT TMR-"PRO" ROUTING | MW 18M | ----- |
| | AM | **TF TEST**THIRD TRIAL REORDER | MW 18M | ----- |
| | AN | **TF TEST**THIRD TRIAL TROUBLE RELEASE | MW 18M | ----- |

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|--------------------|----|--|--------|-------|
| 212-212-501 (6/2) | AO | **TF TEST**RECORD STUCK SENDER-CHAIN AVAILABLE | MW 18M | ----- |
| | AP | **TF TEST**RECORD SS-CHAIN NOT AVAILABLE | MW 18M | ----- |
| | AQ | **TF TEST**GLARE TEST-SIMPLEX DIAL PULSING OUT | MW 18M | ----- |
| | AR | **TF TEST**EXPECTED DIAL DELAY | MW 18M | ----- |
| | AS | **TF TEST**EXPECTED STOP DIAL | MW 18M | ----- |
| | AT | **TF TEST**RINGING CHECK | MW 18M | ----- |
| | AU | **TF TEST**OPERATION TEST OF TG AND OF RELAYS | MW 18M | ----- |
| | AV | **TF TEST**TGT FAILURE | MW 18M | ----- |
| | AW | **TF TEST**PULSE ABSORPTION | MW 18M | ----- |
| | AX | **TF TEST**REVERSE TRUNK TEST | MW 18M | ----- |
| | AY | **TF TEST**CHAIN CIRCUIT FEATURE | MW 18M | ----- |
| | AZ | **TF TEST**MF CURRENT SUPPLY TRANSFER FEATURE | MW 18M | ----- |
| | BA | **TF TEST**PERM SIGNAL TIME-OUT | MW 18M | ----- |
| | BB | **TF TEST**PARTIAL DIAL TIME-OUT | MW 18M | ----- |
| | BC | **TF TEST**REORDER AND TBL RELEASE FAILURE TIME-OUT | MW 18M | ----- |
| | BE | **TF TEST**MF SDR TIME-OUT-8 DIGITS REGISTERED | MW 18M | ----- |
| | BF | **TF TEST**STUCK SDR TIME-OUT-CHAIN CKT AVAIL. | MW 18M | ----- |
| | BG | **TF TEST**STUCK SDR TIME-OUT-CHAIN CKT NOT AVAIL. | MW 18M | ----- |
| | BH | **TF TEST**REORDER FAILURE TIME-OUT-STUCK SENDER | MW 18M | ----- |
| | BI | **TF TEST**UNEXPECTED DEL DIAL TIME-OUT-LOOP DIAL CALL | MW 18M | ----- |
| | BJ | **TF TEST**UNEXPECTED STOP DIAL TIME-OUT-LOOP DIAL CALL | MW 18M | ----- |
| | BK | **TF TEST**CONT OFF-HOOK COND TIME-OUT-SX DP OUT | MW 18M | ----- |
| | BL | **TF TEST**GLARE TIME-OUT-SIM SZRE OF MFP 2-WAY TRK | MW 18M | ----- |
| | BM | **TF TEST**SDR DOES NOT COMPL SLV CHK TIME-OUT-MFP OUT | MW 18M | ----- |
| | BN | **TF TEST**GLARE TIME-OUT-FLASH NOT RECOGNIZED | MW 18M | ----- |
| | BO | **TF TEST**CONT STOP SIG TIME-OUT-SX DL-EXPT DL DEL CALL | MW 18M | ----- |
| | BQ | **TF TEST**START PULSE-MANUAL OUTGOING | MW 18M | ----- |
| | BR | **TF TEST**PLK RELAY TEST | MW 18M | ----- |
| | BS | **TF TEST**TOLL COMPL CODE, WET-DRY, CONT RING | MW 18M | ----- |
| | BU | **TF TEST**MF REC LOW VOLT FILAMENT SUPPLY TRANSFER | MW 18M | ----- |
| 212-330-501 (10/0) | S | INCOMING MF & DP SENDERS | MW 18M | ----- |
| | | OPTIONAL FEATURES | | |
| | | AUXILIARY RECORDER | | |

212-212-501 (6/2) BV **TF TEST**AUXILIARY RECORDING-IBM CARD MW 18M -----
 3.2 SENDERS® -4A; 4A-DP-INC
 OFFICE TYPE 1 RETRIAL*ETS*SD-68491-01
 FOR ALL UNITS
 212-216-501 (8/1) A **TF TEST**MF OUTPULSING-10-DIGIT CALL MW 18M -----
 B **TF TEST**LOOP DIAL OUTPULSING-7-DIGIT MW 18M -----
 C **TF TEST**DC KEYPULSE OUTPULSING MW 18M -----
 D **TF TEST**SIMPLEX DIAL OUTPULSING MW 18M -----
 E **TF TEST**MANUAL CALL MW 18M -----
 F **TF TEST**MF OUTPULSING-7-DIGIT MW 18M -----
 G **TF TEST**LOOP DIAL OUTPULSING-10-DIGIT MW 18M -----
 J **TF TEST**TX CODES MW 18M -----
 K **TF TEST**CODE CONVERSION MW 18M -----
 L **TF TEST**RINGING SIMPLEX MW 18M -----
 M **TF TEST**20-CYCLE RINGING MW 18M -----
 N **TF TEST**S LEAD GROUND MW 18M -----
 O **TF TEST**ABANDONED CALL MW 18M -----
 P **TF TEST**FRAME IDENT FAILURE MW 18M -----
 R **TF TEST**THIRD TRIAL REORDER MW 18M -----
 S **TF TEST**THIRD TRIAL TROUBLE RELEASE MW 18M -----
 T **TF TEST**TRUNK GUARD TIMING FEATURE MW 18M -----
 V **TF TEST**PERM SIG TIME-OUT MW 18M -----
 Y **TF TEST**PARTIAL DIAL TIME-OUT MW 18M -----
 AA **TF TEST**PARTIAL DIAL-DP SDRS MW 18M -----
 AB **TF TEST**OPERATOR ERROR-DP SDRS MW 18M -----
 AC **TF TEST**CALLED NUMBER REGISTRATION-DP SDRS MW 18M -----
 AD **TF TEST**PARTIAL DIAL-LOOP DIAL 20-CYCLE MW 18M -----
 AG **TF TEST**12-DIGIT REORDER MW 18M -----
 AI **TF TEST**PERM SIG & REORDER FAILURE MW 18M -----
 AJ **TF TEST**REORDER & TRBL RELEASE FAILURE MW 18M -----
 TEST
 AL **TF TEST**TTY PRINTOUT (ETS) MW 18M -----
 AO **TF TEST**PRONOUNCEMENT REORDER MW 18M -----
 AP **TF TEST**CODE CHECK MW 18M -----
 AQ **TF TEST**FLASH BACK TEST MW 18M -----
 AR **TF TEST**MF CURRENT SUPPLY TRANSFER MW 18M -----
 AS **TF TEST**TIMING VARIATION MW 18M -----
 AT **TF TEST**MARKER ENGAGED TIMING RECYCLE MW 18M -----
 AU **TF TEST**OVERLOAD TIMING-SHORT DELAY MW 18M -----
 CN **TF TEST**TIMING-PERM SIGNAL (10 TO 20 SEC) MW 18M -----
 CX **TF TEST**AUTO, MF, CDLC MW 18M -----

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| | | | | | |
|---|---|----|--|--------|-------|
| ◆ | 212-216-501 (8/1) | CY | **TF TEST**AUTO, MF, DLC | MW 18M | ----- |
| ◆ | | CZ | **TF TEST**AUTO, SXD, XDD | MW 18M | ----- |
| ◆ | | DA | **TF TEST**AUTO, SXD, NO XDD | MW 18M | ----- |
| ◆ | | DB | **TF TEST**AUTO, SXD, NO XSG | MW 18M | ----- |
| ◆ | | DC | **TF TEST**AUTO, SXD, XSG | MW 18M | ----- |
| ◆ | | DD | **TF TEST**AUTO, LPD, XDD | MW 18M | ----- |
| ◆ | | DE | **TF TEST**AUTO, LPD, NO XDD | MW 18M | ----- |
| ◆ | | DF | **TF TEST**AUTO, LPD, NO XSG | MW 18M | ----- |
| ◆ | | DG | **TF TEST**AUTO, LPD, XSG | MW 18M | ----- |
| ◆ | | DH | **TF TEST**AUTO, DC | MW 18M | ----- |
| ◆ | | DI | **TF TEST**AUTO, MANUAL, NO AV | MW 18M | ----- |
| ◆ | | EN | **TF TEST**FINAL ATTEMPT TIMING | MW 18M | ----- |
| ◆ | 212-216-502 (1/0) | A | **TF TEST** SNDR ATTACHMENT VERIF OF DECODER CONNECTORS AND DECODER CHANLS | MW 18M | ----- |
| ◆ | | B | **TF TEST** DIRECTORY ASSISTANCE-NO CHRGS (CHARGE PROVISION) | MW 18M | ----- |
| ◆ | | C | **TF TEST** MF PULSING TEST | MW 18M | ----- |
| ◆ | | D | **TF TEST** SX PULSING TEST | MW 18M | ----- |
| ◆ | | E | **TF TEST** LOOP PULSING TEST | MW 18M | ----- |
| ◆ | | F | **TF TEST** MF CURRENT SUPPLY TRNSFR | MW 18M | ----- |
| ◆ | | G | **TF TEST** SNDR AUDIBLE RING-CAMA | MW 18M | ----- |
| ◆ | 212-330-501 (10/0) | S | INCOMING MF & DP SENDERS | MW 18M | ----- |
| ◆ | OPTIONAL FEATURES | | | | |
| ◆ | AUXILIARY RECORDER | | | | |
| ◆ | 212-216-501 (8/1) | AK | **TF TEST**AUX RECORDING TEST(ETS) | MW 18M | ----- |
| ◆ | OFFICE TYPE 2 NON-RETRIAL*ETS*SD-68491-01 | | | | |
| ◆ | FOR ALL UNITS | | | | |
| ◆ | 212-216-501 (8/1) | A | **TF TEST**MF OUTPULSING-10-DIGIT CALL | MW 18M | ----- |
| ◆ | | B | **TF TEST**LOOP DIAL OUTPULSING-7-DIGIT | MW 18M | ----- |
| ◆ | | C | **TF TEST**DC KEYPULSE OUTPULSING | MW 18M | ----- |
| ◆ | | D | **TF TEST**SIMPLEX DIAL OUTPULSING | MW 18M | ----- |
| ◆ | | E | **TF TEST**MANUAL CALL | MW 18M | ----- |
| ◆ | | F | **TF TEST**MF OUTPULSING-7-DIGIT | MW 18M | ----- |
| ◆ | | G | **TF TEST**LOOP DIAL OUTPULSING-10-DIGIT | MW 18M | ----- |
| ◆ | | J | **TF TEST**TX CODES | MW 18M | ----- |
| ◆ | | K | **TF TEST**CODE CONVERSION | MW 18M | ----- |
| ◆ | | L | **TF TEST**RINGING SIMPLEX | MW 18M | ----- |
| ◆ | | M | **TF TEST**20-CYCLE RINGING | MW 18M | ----- |
| ◆ | | N | **TF TEST**S LEAD GROUND | MW 18M | ----- |
| ◆ | | O | **TF TEST**ABANDONED CALL | MW 18M | ----- |
| ◆ | | P | **TF TEST**FRAME IDENT FAILURE | MW 18M | ----- |
| ◆ | | R | **TF TEST**THIRD TRIAL REORDER | MW 18M | ----- |

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|-------------------|----|--|--------|-------|
| 212-216-501 (8/1) | S | **TF TEST**THIRD TRIAL TROUBLE RELEASE | MW 18M | ----- |
| | T | **TF TEST**TRUNK GUARD TIMING FEATURE | MW 18M | ----- |
| | U | **TF TEST**TG AND OF RELAY TEST (W/O RETRIAL) | MW 18M | ----- |
| | V | **TF TEST**PERM SIG TIME-OUT | MW 18M | ----- |
| | Y | **TF TEST**PARTIAL DIAL TIME-OUT | MW 18M | ----- |
| | AA | **TF TEST**PARTIAL DIAL-DP SDRS | MW 18M | ----- |
| | AB | **TF TEST**OPERATOR ERROR-DP SDRS | MW 18M | ----- |
| | AC | **TF TEST**CALLED NUMBER REGISTRATION-DP SDRS | MW 18M | ----- |
| | AD | **TF TEST**PARTIAL DIAL-LOOP DIAL 20-CYCLE | MW 18M | ----- |
| | AG | **TF TEST**12-DIGIT REORDER | MW 18M | ----- |
| | AI | **TF TEST**PERM SIG & REORDER FAILURE | MW 18M | ----- |
| | AJ | **TF TEST**REORDER & TRBL RELEASE FAILURE TEST | MW 18M | ----- |
| | AL | **TF TEST**TTY PRINTOUT (ETS) | MW 18M | ----- |
| | AO | **TF TEST**PRONOUNCEMENT REORDER | MW 18M | ----- |
| | AP | **TF TEST**CODE CHECK | MW 18M | ----- |
| | AQ | **TF TEST**FLASH BACK TEST | MW 18M | ----- |
| | AR | **TF TEST**MF CURRENT SUPPLY TRANSFER | MW 18M | ----- |
| | AS | **TF TEST**TIMING VARIATION | MW 18M | ----- |
| | AT | **TF TEST**MARKER ENGAGED TIMING RECYCLE | MW 18M | ----- |
| | AU | **TF TEST**OVERLOAD TIMING-SHORT DELAY | MW 18M | ----- |
| | AV | **TF TEST**RCD SS-CARD & OGTI (W/O RETRIAL) | MW 18M | ----- |
| | AW | **TF TEST**RCD SS-CARD (W/O RETRIAL) | MW 18M | ----- |
| | AX | **TF TEST**RCD SS-NO CARD (W/O RETRIAL) | MW 18M | ----- |
| | AY | **TF TEST**RCD SS-NO CARD (W/O RETRIAL) | MW 18M | ----- |
| | BA | **TF TEST**REVERSED TRUNK (W/O RETRIAL) | MW 18M | ----- |
| | BC | **TF TEST**SXD GLARE (W/O RETRIAL) | MW 18M | ----- |
| | BF | **TF TEST**MF GLARE-FLASH RECOGNIZED (W/O RETRIAL) | MW 18M | ----- |
| | BG | **TF TEST**MF GLARE-FLASH NOT RECOGNIZED (W/O RETRIAL) | MW 18M | ----- |
| | BJ | **TF TEST**PREL SL FAILURE (W/O RETRIAL) | MW 18M | ----- |
| | BK | **TF TEST**TIME-OUT-UDD-LPD (W/O RETRIAL) | MW 18M | ----- |
| | BL | **TF TEST**TIME-OUT-SXD (W/O RETRIAL) | MW 18M | ----- |
| | BM | **TF TEST**TIME-OUT-CONTINUOUS STOP-SXD, XDD (W/O RETRIAL) | MW 18M | ----- |
| | BN | **TF TEST**TIME-OUT-UXS-LPD, 20-CYCLE (W/O RETRIAL) | MW 18M | ----- |
| | CN | **TF TEST**TIMING-PERM SIGNAL (10 TO 20 SEC) | MW 18M | ----- |
| | CQ | **TF TEST**TIMING-PARTIAL DIAL INTERVAL (W/O RETRIAL) | MW 18M | ----- |
| | CS | **TF TEST**TIMING-FLASH FWD (10 SEC) (W/O RETRIAL) | MW 18M | ----- |
| 212-216-502 (1/0) | A | **TF TEST** SNDR ATTACHMENT VERIF OF DECODER CONNECTORS AND DECODER CHANLS | MW 18M | ----- |

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|---|----|---|--------|-------|
| 212-216-502 (1/0) | B | **TF TEST** DIRECTORY ASSISTANCE-NO CHRGS (CHARGE PROVISION) | MW 18M | ----- |
| | C | **TF TEST** MF PULSING TEST | MW 18M | ----- |
| | D | **TF TEST** SX PULSING TEST | MW 18M | ----- |
| | E | **TF TEST** LOOP PULSING TEST | MW 18M | ----- |
| | F | **TF TEST** MF CURRENT SUPPLY TRNSFR | MW 18M | ----- |
| | G | **TF TEST** SNDR AUDIBLE RING-CAMA | MW 18M | ----- |
| 212-330-501 (10/0) | S | INCOMING MF & DP SENDERS | MW 18M | ----- |
| OPTIONAL FEATURES | | | | |
| AUXILIARY RECORDER | | | | |
| 212-216-501 (8/1) | AK | **TF TEST**AUX RECORDING TEST (ETS) | MW 18M | ----- |
| OFFICE TYPE 3 RETRIAL*CARD TRANSLATOR*SD-68491-01 | | | | |
| FOR ALL UNITS | | | | |
| 212-216-501 (8/1) | A | **TF TEST**MF OUTPULSING-10-DIGIT CALL | MW 18M | ----- |
| | B | **TF TEST**LOOP DIAL OUTPULSING-7-DIGIT | MW 18M | ----- |
| | C | **TF TEST**DC KEYULSE OUTPULSING | MW 18M | ----- |
| | D | **TF TEST**SIMPLEX DIAL OUTPULSING | MW 18M | ----- |
| | E | **TF TEST**MANUAL CALL | MW 18M | ----- |
| | F | **TF TEST**MF OUTPULSING-7-DIGIT | MW 18M | ----- |
| | G | **TF TEST**LOOP DIAL OUTPULSING-10-DIGIT | MW 18M | ----- |
| | J | **TF TEST**TX CODES | MW 18M | ----- |
| | K | **TF TEST**CODE CONVERSION | MW 18M | ----- |
| | L | **TF TEST**RINGING SIMPLEX | MW 18M | ----- |
| | M | **TF TEST**20-CYCLE RINGING | MW 18M | ----- |
| | N | **TF TEST**S LEAD GROUND | MW 18M | ----- |
| | O | **TF TEST**ABANDONED CALL | MW 18M | ----- |
| | P | **TF TEST**FRAME IDENT FAILURE | MW 18M | ----- |
| | R | **TF TEST**THIRD TRIAL REORDER | MW 18M | ----- |
| | S | **TF TEST**THIRD TRIAL TROUBLE RELEASE | MW 18M | ----- |
| | T | **TF TEST**TRUNK GUARD TIMING FEATURE | MW 18M | ----- |
| | V | **TF TEST**PERM SIG TIME-OUT | MW 18M | ----- |
| | Y | **TF TEST**PARTIAL DIAL TIME-OUT | MW 18M | ----- |
| | AA | **TF TEST**PARTIAL DIAL-DP SDRS | MW 18M | ----- |
| | AB | **TF TEST**OPERATOR ERROR-DP SDRS | MW 18M | ----- |
| | AC | **TF TEST**CALLED NUMBER REGISTRATION-DP SDRS | MW 18M | ----- |
| | AD | **TF TEST**PARTIAL DIAL-LOOP DIAL 20-CYCLE | MW 18M | ----- |
| | AG | **TF TEST**12-DIGIT REORDER | MW 18M | ----- |
| | AI | **TF TEST**PERM SIG & REORDER FAILURE | MW 18M | ----- |
| | AJ | **TF TEST**REORDER & TRBL RELEASE FAILURE TEST | MW 18M | ----- |
| | AO | **TF TEST**PRONOUNCEMENT REORDER | MW 18M | ----- |
| | AP | **TF TEST**CODE CHECK | MW 18M | ----- |

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|---|----|---|--------|-------|
| 212-216-501 (8/1) | AQ | **TF TEST**FLASH BACK TEST | MW 18M | ----- |
| | AR | **TF TEST**MF CURRENT SUPPLY TRANSFER | MW 18M | ----- |
| | AS | **TF TEST**TIMING VARIATION | MW 18M | ----- |
| | AT | **TF TEST**MARKER ENGAGED TIMING RECYCLE | MW 18M | ----- |
| | AU | **TF TEST**OVERLOAD TIMING-SHORT DELAY | MW 18M | ----- |
| | CN | **TF TEST**TIMING-PERM SIGNAL (10 TO 20 SEC) | MW 18M | ----- |
| | CX | **TF TEST**AUTO, MF, CDLC | MW 18M | ----- |
| | CY | **TF TEST**AUTO, MF, DLC | MW 18M | ----- |
| | CZ | **TF TEST**AUTO, SXD, XDD | MW 18M | ----- |
| | DA | **TF TEST**AUTO, SXD, NO XDD | MW 18M | ----- |
| | DB | **TF TEST**AUTO, SXD, NO XSG | MW 18M | ----- |
| | DC | **TF TEST**AUTO, SXD, XSG | MW 18M | ----- |
| | DD | **TF TEST**AUTO, LPD, XDD | MW 18M | ----- |
| | DE | **TF TEST**AUTO, LPD, NO XDD | MW 18M | ----- |
| | DF | **TF TEST**AUTO, LPD, NO XSG | MW 18M | ----- |
| | DG | **TF TEST**AUTO, LPD, XSG | MW 18M | ----- |
| | DH | **TF TEST**AUTO, DC | MW 18M | ----- |
| | DI | **TF TEST**AUTO, MANUAL, NO AV | MW 18M | ----- |
| | EN | **TF TEST**FINAL ATTEMPT TIMING | MW 18M | ----- |
| 212-330-501 (10/0) | S | INCOMING MF & DP SENDERS | MW 18M | ----- |
| OFFICE TYPE 4 NON-RETRIAL*CARD TRANSLATOR*SD-68491-01 | | | | |
| FOR ALL UNITS | | | | |
| 212-216-501 (8/1) | A | **TF TEST**MF OUTPULSING-10-DIGIT CALL | MW 18M | ----- |
| | B | **TF TEST**LOOP DIAL OUTPULSING-7-DIGIT | MW 18M | ----- |
| | C | **TF TEST**DC KEYPULSE OUTPULSING | MW 18M | ----- |
| | D | **TF TEST**SIMPLEX DIAL OUTPULSING | MW 18M | ----- |
| | E | **TF TEST**MANUAL CALL | MW 18M | ----- |
| | F | **TF TEST**MF OUTPULSING-7-DIGIT | MW 18M | ----- |
| | G | **TF TEST**LOOP DIAL OUTPULSING-10-DIGIT | MW 18M | ----- |
| | J | **TF TEST**TX CODES | MW 18M | ----- |
| | K | **TF TEST**CODE CONVERSION | MW 18M | ----- |
| | L | **TF TEST**RINGING SIMPLEX | MW 18M | ----- |
| | M | **TF TEST**20-CYCLE RINGING | MW 18M | ----- |
| | N | **TF TEST**S LEAD GROUND | MW 18M | ----- |
| | O | **TF TEST**ABANDONED CALL | MW 18M | ----- |
| | P | **TF TEST**FRAME IDENT FAILURE | MW 18M | ----- |
| | R | **TF TEST**THIRD TRIAL REORDER | MW 18M | ----- |
| | S | **TF TEST**THIRD TRIAL TROUBLE RELEASE | MW 18M | ----- |
| | T | **TF TEST**TRUNK GUARD TIMING FEATURE | MW 18M | ----- |
| | U | **TF TEST**TG AND OF RELAY TEST (W/O RETRIAL) | MW 18M | ----- |
| | V | **TF TEST**PERM SIG TIME-OUT | MW 18M | ----- |

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| | | | | | |
|---|---|----|---|--------|-------|
| ◆ | 212-216-501 (8/1) | Y | **TF TEST**PARTIAL DIAL TIME-OUT | MW 18M | ----- |
| ◆ | | AA | **TF TEST**PARTIAL DIAL-DP SDRS | MW 18M | ----- |
| ◆ | | AB | **TF TEST**OPERATOR ERROR-DP SDRS | MW 18M | ----- |
| ◆ | | AC | **TF TEST**CALLED NUMBER REGISTRATION-DP SDRS | MW 18M | ----- |
| ◆ | | AD | **TF TEST**PARTIAL DIAL-LOOP DIAL 20-CYCLE | MW 18M | ----- |
| ◆ | | AG | **TF TEST**12-DIGIT REORDER | MW 18M | ----- |
| ◆ | | AI | **TF TEST**PERM SIG & REORDER FAILURE | MW 18M | ----- |
| ◆ | | AJ | **TF TEST**REORDER & TRBL RELEASE FAILURE TEST | MW 18M | ----- |
| ◆ | | AO | **TF TEST**PRONOUNCEMENT REORDER | MW 18M | ----- |
| ◆ | | AP | **TF TEST**CODE CHECK | MW 18M | ----- |
| ◆ | | AQ | **TF TEST**FLASH BACK TEST | MW 18M | ----- |
| ◆ | | AR | **TF TEST**MF CURRENT SUPPLY TRANSFER | MW 18M | ----- |
| ◆ | | AS | **TF TEST**TIMING VARIATION | MW 18M | ----- |
| ◆ | | AT | **TF TEST**MARKER ENGAGED TIMING RECYCLE | MW 18M | ----- |
| ◆ | | AU | **TF TEST**OVERLOAD TIMING-SHORT DELAY | MW 18M | ----- |
| ◆ | | AV | **TF TEST**RCD SS-CARD & OGTI (W/O RETRIAL) | MW 18M | ----- |
| ◆ | | AW | **TF TEST**RCD SS-CARD (W/O RETRIAL) | MW 18M | ----- |
| ◆ | | AX | **TF TEST**RCD SS-NO CARD (W/O RETRIAL) | MW 18M | ----- |
| ◆ | | AY | **TF TEST**RCD SS-NO CARD (W/O RETRIAL) | MW 18M | ----- |
| ◆ | | BA | **TF TEST**REVERSED TRUNK (W/O RETRIAL) | MW 18M | ----- |
| ◆ | | BC | **TF TEST**SXD GLARE (W/O RETRIAL) | MW 18M | ----- |
| ◆ | | BF | **TF TEST**MF GLARE-FLASH RECOGNIZED (W/O RETRIAL) | MW 18M | ----- |
| ◆ | | BG | **TF TEST**MF GLARE-FLASH NOT RECOGNIZED (W/O RETRIAL) | MW 18M | ----- |
| ◆ | | BJ | **TF TEST**PREL SL FAILURE (W/O RETRIAL) | MW 18M | ----- |
| ◆ | | BK | **TF TEST**TIME-OUT-UDD-LPD (W/O RETRIAL) | MW 18M | ----- |
| ◆ | | BL | **TF TEST**TIME-OUT-SXD (W/O RETRIAL) | MW 18M | ----- |
| ◆ | | BM | **TF TEST**TIME-OUT-CONTINUOUS STOP-SXD, XDD (W/O RETRIAL) | MW 18M | ----- |
| ◆ | | BN | **TF TEST**TIME-OUT-UXS-LPD, 20-CYCLE (W/O RETRIAL) | MW 18M | ----- |
| ◆ | | CN | **TF TEST**TIMING-PERM SIGNAL(10 TO 20 SEC) | MW 18M | ----- |
| ◆ | | CQ | **TF TEST**TIMING-PARTIAL DIAL INTERVAL (W/O RETRIAL) | MW 18M | ----- |
| ◆ | | CS | **TF TEST**TIMING-FLASH FWD (10 SEC) (W/O RETRIAL) | MW 18M | ----- |
| ◆ | 212-330-501 (10/0) | S | INCOMING MF & DP SENDERS | MW 18M | ----- |
| ◆ | OFFICE TYPE 5 NON-RETRIAL*ETS*SD-68226-01 | | | | |
| ◆ | FOR ALL UNITS | | | | |
| ◆ | 212-212-501 (6/2) | D | **TF TEST**INTERTOLL CODE-CX IN-MF OUT | MW 18M | ----- |
| ◆ | | E | **TF TEST**TOLL COMPLETING CODE-CX IN-MF OUT | MW 18M | ----- |
| ◆ | | F | **TF TEST**TOLL COMPLETING CODE-LOOP DIAL IN-DC KEY OUT | MW 18M | ----- |

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|-------------------|----|--|--------|-------|
| 212-212-501 (6/2) | G | **TF TEST**REGISTER CONTROL | MW 18M | ----- |
| | H | **TF TEST**MARKED DIGIT FEATURE-0 DIGIT MARK | MW 18M | ----- |
| | I | **TF TEST**MARKED DIGIT FEATURE-4 DIGIT MARK | MW 18M | ----- |
| | J | **TF TEST**MARKED DIGIT FEATURE-5 DIGIT MARK | MW 18M | ----- |
| | K | **TF TEST**INTERDIGITAL TIMING | MW 18M | ----- |
| | L | **TF TEST**TX CODES | MW 18M | ----- |
| | M | **TF TEST**INCOMING CALL FROM A NO. 5 TOLL SWBD | MW 18M | ----- |
| | N | **TF TEST**MANUAL CODE | MW 18M | ----- |
| | O | **TF TEST**CODE CONVERSION | MW 18M | ----- |
| | S | **TF TEST**INTERTOLL CODE-LOOP DP IN-SX DP OUT | MW 18M | ----- |
| | T | **TF TEST**TOLL COMPL CODE-CX PULSING IN-LOOP DP OUT | MW 18M | ----- |
| | AD | **TF TEST**"S" LEAD GROUND | MW 18M | ----- |
| | AE | **TF TEST**ABANDONED CALL | MW 18M | ----- |
| | AF | **TF TEST**FRAME IDENTIFICATION FAILURE | MW 18M | ----- |
| | AG | **TF TEST**REVERSE MF PATH | MW 18M | ----- |
| | AH | **TF TEST**FLASH BACK FEATURE | MW 18M | ----- |
| | AI | **TF TEST**TWELVE DIGIT REORDER | MW 18M | ----- |
| | AJ | **TF TEST**INTERSENDER LOAD CONT TMR-SHORT DELAY | MW 18M | ----- |
| | AK | **TF TEST**INTERSENDER LOAD CONT TMR-LONG DELAY | MW 18M | ----- |
| | AL | **TF TEST**INTERSENDER LOAD CONT TMR-"PRO" ROUTING | MW 18M | ----- |
| | AM | **TF TEST**THIRD TRIAL REORDER | MW 18M | ----- |
| | AN | **TF TEST**THIRD TRIAL TROUBLE RELEASE | MW 18M | ----- |
| | AO | **TF TEST**RECORD STUCK SENDER-CHAIN AVAILABLE | MW 18M | ----- |
| | AP | **TF TEST**RECORD SS-CHAIN NOT AVAILABLE | MW 18M | ----- |
| | AQ | **TF TEST**GLARE TEST-SIMPLEX DIAL PULSING OUT | MW 18M | ----- |
| | AR | **TF TEST**EXPECTED DIAL DELAY | MW 18M | ----- |
| | AS | **TF TEST**EXPECTED STOP DIAL | MW 18M | ----- |
| | AT | **TF TEST**RINGING CHECK | MW 18M | ----- |
| | AU | **TF TEST**OPERATION TEST OF TG AND OF RELAYS | MW 18M | ----- |
| | AV | **TF TEST**TGT FAILURE | MW 18M | ----- |
| | AW | **TF TEST**PULSE ABSORPTION | MW 18M | ----- |
| | AX | **TF TEST**REVERSE TRUNK TEST | MW 18M | ----- |
| | AY | **TF TEST**CHAIN CIRCUIT FEATURE | MW 18M | ----- |
| | AZ | **TF TEST**MF CURRENT SUPPLY TRANSFER FEATURE | MW 18M | ----- |
| | BA | **TF TEST**PERM SIGNAL TIME-OUT | MW 18M | ----- |
| | BB | **TF TEST**PARTIAL DIAL TIME-OUT | MW 18M | ----- |
| | BC | **TF TEST**REORDER AND TBL RELEASE FAILURE TIME-OUT | MW 18M | ----- |

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|---|----|--|--------|-------|
| 212-212-501 (6/2) | BD | **TF TEST**DP SDR TIME-OUT-8 DIGITS REGISTERED | MW 18M | ----- |
| | BF | **TF TEST**STUCK SDR TIME-OUT-CHAIN CKT AVAIL. | MW 18M | ----- |
| | BG | **TF TEST**STUCK SDR TIME-OUT-CHAIN CKT NOT AVAIL. | MW 18M | ----- |
| | BH | **TF TEST**REORDER FAILURE TIME-OUT-STUCK SENDER | MW 18M | ----- |
| | BI | **TF TEST**UNEXPECTED DEL DIAL TIME-OUT-LOOP DIAL CALL | MW 18M | ----- |
| | BJ | **TF TEST**UNEXPECTED STOP DIAL TIME-OUT-LOOP DIAL CALL | MW 18M | ----- |
| | BK | **TF TEST**CONT OFF-HOOK COND TIME-OUT-SX DP OUT | MW 18M | ----- |
| | BL | **TF TEST**GLARE TIME-OUT SIM SZRE OF MFP 2-WAY TRK | MW 18M | ----- |
| | BM | **TF TEST**SDR DOES NOT COMPL SLV CHK TIME-OUT-MFP OUT | MW 18M | ----- |
| | BN | **TF TEST**GLARE TIME-OUT-FLASH NOT RECOGNIZED | MW 18M | ----- |
| | BO | **TF TEST**CONT STOP SIG TIME-OUT-SX DL-EXPT DL DEL CALL | MW 18M | ----- |
| | BP | **TF TEST**TMG VAR CONT & MKR ENGAGED RECYCLE FEAT. | MW 18M | ----- |
| | BS | **TF TEST**TOLL COMPL CODE, WET-DRY, CONT RING | MW 18M | ----- |
| | BW | **TF TEST**TELETYPEWRITER PRINTOUT | MW 18M | ----- |
| 212-330-501 (10/0) | S | INCOMING MF & DP SENDERS | MW 18M | ----- |
| OPTIONAL FEATURES | | | | |
| AUXILIARY RECORDER | | | | |
| 212-212-501 (6/2) | BV | **TF TEST**AUXILIARY RECORDING-IBM CARD | MW 18M | ----- |
| OFFICE TYPE 6 NON-RETRIAL*CARD TRANSLATOR*SD-68226-01 | | | | |
| FOR ALL UNITS | | | | |
| 212-212-501 (6/2) | D | **TF TEST**INTERTOLL CODE-CX IN-MF OUT | MW 18M | ----- |
| | E | **TF TEST**TOLL COMPLETING CODE-CX IN-MF OUT | MW 18M | ----- |
| | F | **TF TEST**TOLL COMPLETING CODE-LOOP DIAL IN-DC KEY OUT | MW 18M | ----- |
| | G | **TF TEST**REGISTER CONTROL | MW 18M | ----- |
| | H | **TF TEST**MARKED DIGIT FEATURE-0 DIGIT MARK | MW 18M | ----- |
| | I | **TF TEST**MARKED DIGIT FEATURE-4 DIGIT MARK | MW 18M | ----- |
| | J | **TF TEST**MARKED DIGIT FEATURE-5 DIGIT MARK | MW 18M | ----- |
| | K | **TF TEST**INTERDIGITAL TIMING | MW 18M | ----- |
| | L | **TF TEST**TX CODES | MW 18M | ----- |
| | M | **TF TEST**INCOMING CALL FROM A NO. 5 TOLL SWBD | MW 18M | ----- |
| | N | **TF TEST**MANUAL CODE | MW 18M | ----- |
| | O | **TF TEST**CODE CONVERSION | MW 18M | ----- |
| | P | **TF TEST**6 DIGIT TRANSLATION | MW 18M | ----- |

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|-------------------|----|---|--------|-------|
| 212-212-501 (6/2) | S | ***TF TEST**INTERTOLL CODE-LOOP DP IN-SX DP OUT | MW 18M | ----- |
| | T | ***TF TEST**TOLL COMPL CODE-CX PULSING IN-LOOP DP OUT | MW 18M | ----- |
| | AD | ***TF TEST**"S" LEAD GROUND | MW 18M | ----- |
| | AE | ***TF TEST**ABANDONED CALL | MW 18M | ----- |
| | AF | ***TF TEST**FRAME IDENTIFICATION FAILURE | MW 18M | ----- |
| | AG | ***TF TEST**REVERSE MF PATH | MW 18M | ----- |
| | AH | ***TF TEST**FLASH BACK FEATURE | MW 18M | ----- |
| | AI | ***TF TEST**TWELVE DIGIT REORDER | MW 18M | ----- |
| | AJ | ***TF TEST**INTERSENDER LOAD CONT TMR-SHORT DELAY | MW 18M | ----- |
| | AK | ***TF TEST**INTERSENDER LOAD CONT TMR-LONG DELAY | MW 18M | ----- |
| | AL | ***TF TEST**INTERSENDER LOAD CONT TMR-"PRO" ROUTING | MW 18M | ----- |
| | AM | ***TF TEST**THIRD TRIAL REORDER | MW 18M | ----- |
| | AN | ***TF TEST**THIRD TRIAL TROUBLE RELEASE | MW 18M | ----- |
| | AO | ***TF TEST**RECORD STUCK SENDER-CHAIN AVAILABLE | MW 18M | ----- |
| | AP | ***TF TEST**RECORD SS-CHAIN NOT AVAILABLE | MW 18M | ----- |
| | AQ | ***TF TEST**GLARE TEST-SIMPLEX DIAL PULSING OUT | MW 18M | ----- |
| | AR | ***TF TEST**EXPECTED DIAL DELAY | MW 18M | ----- |
| | AS | ***TF TEST**EXPECTED STOP DIAL | MW 18M | ----- |
| | AT | ***TF TEST**RINGING CHECK | MW 18M | ----- |
| | AU | ***TF TEST**OPERATION TEST OF TG AND OF RELAYS | MW 18M | ----- |
| | AV | ***TF TEST**TGT FAILURE | MW 18M | ----- |
| | AW | ***TF TEST**PULSE ABSORPTION | MW 18M | ----- |
| | AX | ***TF TEST**REVERSE TRUNK TEST | MW 18M | ----- |
| | AY | ***TF TEST**CHAIN CIRCUIT FEATURE | MW 18M | ----- |
| | AZ | ***TF TEST**MF CURRENT SUPPLY TRANSFER FEATURE | MW 18M | ----- |
| | BA | ***TF TEST**PERM SIGNAL TIME-OUT | MW 18M | ----- |
| | BB | ***TF TEST**PARTIAL DIAL TIME-OUT | MW 18M | ----- |
| | BC | ***TF TEST**REORDER AND TBL RELEASE FAILURE TIME-OUT | MW 18M | ----- |
| | BD | ***TF TEST**DP SDR TIME-OUT-8 DIGITS REGISTERED | MW 18M | ----- |
| | BF | ***TF TEST**STUCK SDR TIME-OUT-CHAIN CKT AVAIL. | MW 18M | ----- |
| | BG | ***TF TEST**STUCK SDR TIME-OUT-CHAIN CKT NOT AVAIL. | MW 18M | ----- |
| | BH | ***TF TEST**REORDER FAILURE TIME-OUT-STUCK SENDER | MW 18M | ----- |
| | BI | ***TF TEST**UNEXPECTED DEL DIAL TIME-OUT-LOOP DIAL CALL | MW 18M | ----- |
| | BJ | ***TF TEST**UNEXPECTED STOP DIAL TIME-OUT-LOOP DIAL CALL | MW 18M | ----- |

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|---|---------------------------------------|----|---|--------|-------|
| ◆ | 212-212-501 (6/2) | BK | **TF TEST**CONT OFF-HOOK COND TIME-OUT-SX DP OUT | MW 18M | ----- |
| ◆ | | BL | **TF TEST**GLARE TIME-OUT-SIM SZRE OF MFP 2-WAY TRK | MW 18M | ----- |
| ◆ | | BM | **TF TEST**SDR DOES NOT COMPL SLV CHK TIME-OUT-MFP OUT | MW 18M | ----- |
| ◆ | | BN | **TF TEST**GLARE TIME-OUT-FLASH NOT RECOGNIZED | MW 18M | ----- |
| ◆ | | BO | **TF TEST**CONT STOP SIG TIME-OUT-SX DL-EXPT DL DEL CALL | MW 18M | ----- |
| ◆ | | BP | **TF TEST**TMG VAR CONT & MKR ENGAGED RECYCLE FEAT. | MW 18M | ----- |
| ◆ | | BS | **TF TEST**TOLL COMPL CODE, WET-DRY, CONT RING | MW 18M | ----- |
| ◆ | 212-330-501 (10/0) | S | INCOMING MF & DP SENDERS | MW 18M | ----- |
| ◆ | OPTIONAL FEATURES | | | | |
| ◆ | AUXILIARY RECORDER | | | | |
| ◆ | 212-212-501 (6/2) | BV | **TF TEST**AUXILIARY RECORDING-IBM CARD | MW 18M | ----- |
| ◆ | 3.3 SENDERS® -4A; 4A-CAMA | | | | |
| ◆ | OFFICE TYPE 1 RETRIAL*ETS*SD-68491-01 | | | | |
| ◆ | FOR ALL UNITS | | | | |
| ◆ | 212-216-501 (8/1) | A | **TF TEST**MF OUTPULSING-10-DIGIT CALL | MW 18M | ----- |
| ◆ | | B | **TF TEST**LOOP DIAL OUTPULSING-7-DIGIT | MW 18M | ----- |
| ◆ | | C | **TF TEST**DC KEYPULSE OUTPULSING | MW 18M | ----- |
| ◆ | | D | **TF TEST**SIMPLEX DIAL OUTPULSING | MW 18M | ----- |
| ◆ | | F | **TF TEST**MF OUTPULSING-7-DIGIT | MW 18M | ----- |
| ◆ | | G | **TF TEST**LOOP DIAL OUTPULSING-10-DIGIT | MW 18M | ----- |
| ◆ | | H | **TF TEST**CAMA TOLL INFORMATION CODES | MW 18M | ----- |
| ◆ | | I | **TF TEST**CAMA DIRECTORY ASSISTANCE | MW 18M | ----- |
| ◆ | | K | **TF TEST**CODE CONVERSION | MW 18M | ----- |
| ◆ | | L | **TF TEST**RINGING SIMPLEX | MW 18M | ----- |
| ◆ | | M | **TF TEST**20-CYCLE RINGING | MW 18M | ----- |
| ◆ | | O | **TF TEST**ABANDONED CALL | MW 18M | ----- |
| ◆ | | P | **TF TEST**FRAME IDENT FAILURE | MW 18M | ----- |
| ◆ | | R | **TF TEST**THIRD TRIAL REORDER | MW 18M | ----- |
| ◆ | | S | **TF TEST**THIRD TRIAL TROUBLE RELEASE | MW 18M | ----- |
| ◆ | | T | **TF TEST**TRUNK GUARD TIMING FEATURE | MW 18M | ----- |
| ◆ | | V | **TF TEST**PERM SIG TIME-OUT | MW 18M | ----- |
| ◆ | | W | **TF TEST**FALSE KEY PULSE | MW 18M | ----- |
| ◆ | | X | **TF TEST**3-FREQ KEY PULSE | MW 18M | ----- |
| ◆ | | Y | **TF TEST**PARTIAL DIAL TIME-OUT | MW 18M | ----- |
| ◆ | | AF | **TF TEST**3-PREQ DIGIT | MW 18M | ----- |
| ◆ | | AH | **TF TEST**11-DIGIT REORDER | MW 18M | ----- |
| ◆ | | AL | **TF TEST**TTY PRINTOUT (ETS) | MW 18M | ----- |

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|-------------------|----|--|--------|-------|
| 212-216-501 (8/1) | AM | **TF TEST**START PULSE ERROR | MW 18M | ----- |
| | AO | **TF TEST**PRONOUNCEMENT REORDER | MW 18M | ----- |
| | AP | **TF TEST**CODE CHECK | MW 18M | ----- |
| | AR | **TF TEST**MF CURRENT SUPPLY TRANSFER | MW 18M | ----- |
| | AU | **TF TEST**OVERLOAD TIMING-SHORT DELAY | MW 18M | ----- |
| | BQ | **TF TEST**SUSPEND CAMA | MW 18M | ----- |
| | BR | **TF TEST**CROSSED SUSPEND CAMA LEADS | MW 18M | ----- |
| | BS | **TF TEST**OPERATOR ATTACHED FAILURE-CAMA | MW 18M | ----- |
| | BT | **TF TEST**OPERATOR 3-FREQUENCY DIGIT ERROR-CAMA | MW 18M | ----- |
| | BU | **TF TEST**OPERATOR ERROR-EXTRA DIGIT-CAMA | MW 18M | ----- |
| | BV | **TF TEST**SECOND OPERATOR ERROR-CAMA | MW 18M | ----- |
| | BW | **TF TEST**ANI FAILURE-EXTRA DIGIT-CAMA | MW 18M | ----- |
| | BX | **TF TEST**ANI FAILURE-FALSE TENS FREQUENCY-CAMA | MW 18M | ----- |
| | BY | **TF TEST**ANI FAILURE-PARTIAL DIGITS-CAMA | MW 18M | ----- |
| | BZ | **TF TEST**TRUNK OBSERVING-CAMA | MW 18M | ----- |
| | CA | **TF TEST**TRK OBSERVING REORDER POSITION POSITION-CAMA | MW 18M | ----- |
| | CB | **TF TEST**REORDER POSITION-CAMA | MW 18M | ----- |
| | CC | **TF TEST**LOCAL CALL INTERCEPT CODE-CAMA | MW 18M | ----- |
| | CD | **TF TEST**UNAUTHORIZED CODE ROUTE-CAMA | MW 18M | ----- |
| | CE | **TF TEST**E-DIGIT UNBLOCKING-CAMA | MW 18M | ----- |
| | CF | **TF TEST**TIMING-TM TUBE (10 TO 20 SEC)-CAMA | MW 18M | ----- |
| | CG | **TF TEST**TIMING-TM TUBE (20 TO 30 SEC)-CAMA | MW 18M | ----- |
| | CH | **TF TEST**TIMING-TM TUBE (5 TO 10 SEC)-CAMA | MW 18M | ----- |
| | CI | **TF TEST**TIMING-OVERLOAD (3 TO 8 SEC)-CAMA | MW 18M | ----- |
| | CP | **TF TEST**PULSE GENERATOR | MW 18M | ----- |
| | CT | **TF TEST**ANY POSITION-CAMA | MW 18M | ----- |
| | CU | **TF TEST**PARTICULAR POSITION-CAMA | MW 18M | ----- |
| | CV | **TF TEST**DIGIT RESET-CAMA | MW 18M | ----- |
| | CW | **TF TEST**POSITION DISCONNECT-CAMA | MW 18M | ----- |
| | CX | **TF TEST**AUTO, MF, CDLC | MW 18M | ----- |
| | CY | **TF TEST**AUTO, MF, DLC | MW 18M | ----- |
| | CZ | **TF TEST**AUTO, SXD, XDD | MW 18M | ----- |
| | DA | **TF TEST**AUTO, SXD, NO XDD | MW 18M | ----- |
| | DB | **TF TEST**AUTO, SXD, NO XSG | MW 18M | ----- |
| | DC | **TF TEST**AUTO, SXD, XSG | MW 18M | ----- |
| | DD | **TF TEST**AUTO, LPD, XDD | MW 18M | ----- |
| | DE | **TF TEST**AUTO, LPD, NO XDD | MW 18M | ----- |
| | DF | **TF TEST**AUTO, LPD, NO XSG | MW 18M | ----- |
| | DG | **TF TEST**AUTO, LPD, XSG | MW 18M | ----- |

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| | | | | |
|---|----|--|--------|-------|
| 212-216-501 (8/1) | DH | **TF TEST**AUTO, DC | MW 18M | ----- |
| | DJ | **TF TEST**AUTO-CAMA-DIRECTORY ASST, NO AV | MW 18M | ----- |
| | EN | **TF TEST**FINAL ATTEMPT TIMING | MW 18M | ----- |
| 212-216-502 (1/0) | A | **TF TEST** SNDR ATTACHMENT VERIF OF DECODER CONNECTORS AND DECODER CHANLS | MW 18M | ----- |
| | B | **TF TEST** DIRECTORY ASSISTANCE-NO CHRGR (CHARGE PROVISION) | MW 18M | ----- |
| | C | **TF TEST** MF PULSING TEST | MW 18M | ----- |
| | D | **TF TEST** SX PULSING TEST | MW 18M | ----- |
| | E | **TF TEST** LOOP PULSING TEST | MW 18M | ----- |
| | F | **TF TEST** MF CURRENT SUPPLY TRNSFR | MW 18M | ----- |
| | G | **TF TEST** SNDR AUDIBLE RING-CAMA | MW 18M | ----- |
| 212-330-501 (10/0) | AK | CAMA SENDER | MW 18M | ----- |
| OPTIONAL FEATURES | | | | |
| AUXILIARY RECORDER | | | | |
| 212-216-501 (8/1) | AK | **TF TEST**AUX RECORDING TEST(ETS) | MW 18M | ----- |
| OFFICE TYPE 2 NON-RETRIAL*ETS*SD-68491-01 | | | | |
| FOR ALL UNITS | | | | |
| 212-216-501 (8/1) | A | **TF TEST**MF OUTPULSING-10-DIGIT CALL | MW 18M | ----- |
| | B | **TF TEST**LOOP DIAL OUTPULSING-7-DIGIT | MW 18M | ----- |
| | C | **TF TEST**DC KEYPULSE OUTPULSING | MW 18M | ----- |
| | D | **TF TEST**SIMPLEX DIAL OUTPULSING | MW 18M | ----- |
| | F | **TF TEST**MF OUTPULSING-7-DIGIT | MW 18M | ----- |
| | G | **TF TEST**LOOP DIAL OUTPULSING-10-DIGIT | MW 18M | ----- |
| | H | **TF TEST**CAMA TOLL INFORMATION CODES | MW 18M | ----- |
| | I | **TF TEST**CAMA DIRECTORY ASSISTANCE | MW 18M | ----- |
| | K | **TF TEST**CODE CONVERSION | MW 18M | ----- |
| | L | **TF TEST**RINGING SIMPLEX | MW 18M | ----- |
| | M | **TF TEST**20-CYCLE RINGING | MW 18M | ----- |
| | O | **TF TEST**ABANDONED CALL | MW 18M | ----- |
| | P | **TF TEST**FRAME IDENT FAILURE | MW 18M | ----- |
| | R | **TF TEST**THIRD TRIAL REORDER | MW 18M | ----- |
| | S | **TF TEST**THIRD TRIAL TROUBLE RELEASE | MW 18M | ----- |
| | T | **TF TEST**TRUNK GUARD TIMING FEATURE | MW 18M | ----- |
| | U | **TF TEST**TG AND OF RELAY TEST (W/O RETRIAL) | MW 18M | ----- |
| | V | **TF TEST**PERM SIG TIME-OUT | MW 18M | ----- |
| | W | **TF TEST**FALSE KEY PULSE | MW 18M | ----- |
| | X | **TF TEST**3-FREQ KEY PULSE | MW 18M | ----- |
| | Y | **TF TEST**PARTIAL DIAL TIME-OUT | MW 18M | ----- |
| | AF | **TF TEST**3-FREQ DIGIT | MW 18M | ----- |
| | AH | **TF TEST**11-DIGIT REORDER | MW 18M | ----- |
| | AL | **TF TEST**TTY PRINTOUT (ETS) | MW 18M | ----- |

| | | | | |
|-------------------|----|---|--------|-------|
| 212-216-501 (8/1) | AM | **TF TEST**START PULSE ERROR | MW 18M | ----- |
| | AO | **TF TEST**PRONOUNCEMENT REORDER | MW 18M | ----- |
| | AP | **TF TEST**CODE CHECK | MW 18M | ----- |
| | AR | **TF TEST**MF CURRENT SUPPLY TRANSFER | MW 18M | ----- |
| | AU | **TF TEST**OVERLOAD TIMING-SHORT DELAY | MW 18M | ----- |
| | AV | **TF TEST**RCD SS-CARD & OGTI (W/O RETRIAL) | MW 18M | ----- |
| | AW | **TF TEST**RCD SS-CARD (W/O RETRIAL) | MW 18M | ----- |
| | AX | **TF TEST**RCD SS-NO CARD (W/O RETRIAL) | MW 18M | ----- |
| | AY | **TF TEST**RCD SS-NO CARD (W/O RETRIAL) | MW 18M | ----- |
| | AZ | **TF TEST**STUCK SENDER TONE (W/O RETRIAL) | MW 18M | ----- |
| | BA | **TF TEST**REVERSED TRUNK (W/O RETRIAL) | MW 18M | ----- |
| | BB | **TF TEST**SXD GLARE-CAMA (W/O RETRIAL) | MW 18M | ----- |
| | BD | **TF TEST**MF GLARE-FLASH RECOGNIZED-CAMA (W/O RETRIAL) | MW 18M | ----- |
| | BE | **TF TEST**MF GLARE-FLASH NOTRECOGNIZED-CAMA (W/O RETRIAL) | MW 18M | ----- |
| | BJ | **TF TEST**PREL SL FAILURE (W/O RETRIAL) | MW 18M | ----- |
| | BM | **TF TEST**TIME-OUT-CONTINUOUS STOP-SXD, XDD (W/O RETRIAL) | MW 18M | ----- |
| | BO | **TF TEST**TIME-OUT UDD-LPD-CAMA (W/O RETRIAL) | MW 18M | ----- |
| | BP | **TF TEST**TIME-OUT-SXD-CAMA (W/O RETRIAL) | MW 18M | ----- |
| | BQ | **TF TEST**SUSPEND CAMA | MW 18M | ----- |
| | BR | **TF TEST**CROSSED SUSPEND CAMA LEADS | MW 18M | ----- |
| | BS | **TF TEST**OPERATOR ATTACHED FAILURE-CAMA | MW 18M | ----- |
| | BT | **TF TEST**OPERATOR 3-FREQUENCY DIGIT ERROR-CAMA | MW 18M | ----- |
| | BU | **TF TEST**OPERATOR ERROR-EXTRA DIGIT-CAMA | MW 18M | ----- |
| | BV | **TF TEST**SECOND OPERATOR ERROR-CAMA | MW 18M | ----- |
| | BW | **TF TEST**ANI FAILURE-EXTRA DIGIT-CAMA | MW 18M | ----- |
| | BX | **TF TEST**ANI FAILURE-FALSE TENS FREQUENCY-CAMA | MW 18M | ----- |
| | BY | **TF TEST**ANI FAILURE-PARTIAL DIGITS-CAMA | MW 18M | ----- |
| | BZ | **TF TEST**TRUNK OBSERVING-CAMA | MW 18M | ----- |
| | CA | **TF TEST**TRK OBSERVING REORDER POSITION POSITION-CAMA | MW 18M | ----- |
| | CB | **TF TEST**REORDER POSITION-CAMA | MW 18M | ----- |
| | CC | **TF TEST**LOCAL CALL INTERCEPT CODE-CAMA | MW 18M | ----- |
| | CD | **TF TEST**UNAUTHORIZED CODE ROUTE-CAMA | MW 18M | ----- |
| | CE | **TF TEST**E-DIGIT UNBLOCKING-CAMA | MW 18M | ----- |
| | CF | **TF TEST**TIMING-TM TUBE (10 TO 20 SEC)-CAMA | MW 18M | ----- |
| | CG | **TF TEST**TIMING-TM TUBE (20 TO 30 SEC)-CAMA | MW 18M | ----- |
| | CH | **TF TEST**TIMING-TM TUBE (5 TO 10 SEC)-CAMA | MW 18M | ----- |
| | CI | **TF TEST**TIMING-OVERLOAD (3 TO 8 SEC)-CAMA | MW 18M | ----- |

| | | | | |
|---|----|---|--------|-------|
| 212-216-501 (8/1) | CJ | **TF TEST**TIMING-TT TUBE (20 TO 30 SEC)-CAMA (W/O RETRIAL) | MW 18M | ----- |
| | CK | **TF TEST**TIMING-TT TUBE (10 TO 30 SEC)-CAMA (W/O RETRIAL) | MW 18M | ----- |
| | CL | **TF TEST**TIMING-ATT TUBE (2 TO 3 SEC)-CAMA (W/O RETRIAL) | MW 18M | ----- |
| | CP | **TF TEST**PULSE GENERATOR | MW 18M | ----- |
| | CT | **TF TEST**ANY POSITION-CAMA | MW 18M | ----- |
| | CU | **TF TEST**PARTICULAR POSITION-CAMA | MW 18M | ----- |
| | CV | **TF TEST**DIGIT RESET-CAMA | MW 18M | ----- |
| | CW | **TF TEST**POSITION DISCONNECT-CAMA | MW 18M | ----- |
| 212-216-502 (1/0) | A | **TF TEST** SNDR ATTACHMENT VERIF OF DECODER CONNECTORS AND DECODER CHANLS | MW 18M | ----- |
| | B | **TF TEST** DIRECTORY ASSISTANCE-NO CHRG (CHARGE PROVISION) | MW 18M | ----- |
| | C | **TF TEST** MF PULSING TEST | MW 18M | ----- |
| | D | **TF TEST** SX PULSING TEST | MW 18M | ----- |
| | E | **TF TEST** LOOP PULSING TEST | MW 18M | ----- |
| | F | **TF TEST** MF CURRENT SUPPLY TRNSFR | MW 18M | ----- |
| | G | **TF TEST** SNDR AUDIBLE RING-CAMA | MW 18M | ----- |
| 212-330-501 (10/0) | AK | CAMA SENDER | MW 18M | ----- |
| OPTIONAL FEATURES | | | | |
| AUXILIARY RECORDER | | | | |
| 212-216-501 (8/1) | AK | **TF TEST**AUX RECORDING TEST (ETS) | MW 18M | ----- |
| OFFICE TYPE 3 RETRIAL*CARD TRANSLATOR*SD-68491-01 | | | | |
| FOR ALL UNITS | | | | |
| 212-216-501 (8/1) | A | **TF TEST**MF OUTPULSING-10-DIGIT CALL | MW 18M | ----- |
| | B | **TF TEST**LOOP DIAL OUTPULSING-7-DIGIT | MW 18M | ----- |
| | C | **TF TEST**DC KEYPULSE OUTPULSING | MW 18M | ----- |
| | D | **TF TEST**SIMPLEX DIAL OUTPULSING | MW 18M | ----- |
| | F | **TF TEST**MF OUTPULSING-7-DIGIT | MW 18M | ----- |
| | G | **TF TEST**LOOP DIAL OUTPULSING-10-DIGIT | MW 18M | ----- |
| | H | **TF TEST**CAMA TOLL INFORMATION CODES | MW 18M | ----- |
| | I | **TF TEST**CAMA DIRECTORY ASSISTANCE | MW 18M | ----- |
| | K | **TF TEST**CODE CONVERSION | MW 18M | ----- |
| | L | **TF TEST**RINGING SIMPLEX | MW 18M | ----- |
| | M | **TF TEST**20-CYCLE RINGING | MW 18M | ----- |
| | O | **TF TEST**ABANDONED CALL | MW 18M | ----- |
| | P | **TF TEST**FRAME IDENT FAILURE | MW 18M | ----- |
| | R | **TF TEST**THIRD TRIAL REORDER | MW 18M | ----- |
| | S | **TF TEST**THIRD TRIAL TROUBLE RELEASE | MW 18M | ----- |
| | T | **TF TEST**TRUNK GUARD TIMING FEATURE | MW 18M | ----- |
| | V | **TF TEST**PERM SIG TIME-OUT | MW 18M | ----- |

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|-------------------|----|---|--------|-------|
| 212-216-501 (8/1) | W | **TF TEST**FALSE KEY PULSE | MW 18M | ----- |
| | X | **TF TEST**3-FREQ KEY PULSE | MW 18M | ----- |
| | Y | **TF TEST**PARTIAL DIAL TIME-OUT | MW 18M | ----- |
| | AF | **TF TEST**3-FREQ DIGIT | MW 18M | ----- |
| | AH | **TF TEST**11-DIGIT REORDER | MW 18M | ----- |
| | AM | **TF TEST**START PULSE ERROR | MW 18M | ----- |
| | AO | **TF TEST**PRONOUNCEMENT REORDER | MW 18M | ----- |
| | AP | **TF TEST**CODE CHECK | MW 18M | ----- |
| | AR | **TF TEST**MF CURRENT SUPPLY TRANSFER | MW 18M | ----- |
| | AU | **TF TEST**OVERLOAD TIMING-SHORT DELAY | MW 18M | ----- |
| | BQ | **TF TEST**SUSPEND CAMA | MW 18M | ----- |
| | BR | **TF TEST**CROSSED SUSPEND CAMA LEADS | MW 18M | ----- |
| | BS | **TF TEST**OPERATOR ATTACHED FAILURE-CAMA | MW 18M | ----- |
| | BT | **TF TEST**OPERATOR 3-FREQUENCY DIGIT ERROR-CAMA | MW 18M | ----- |
| | BU | **TF TEST**OPERATOR ERROR-EXTRA DIGIT-CAMA | MW 18M | ----- |
| | BV | **TF TEST**SECOND OPERATOR ERROR-CAMA | MW 18M | ----- |
| | BW | **TF TEST**ANI FAILURE-EXTRA DIGIT-CAMA | MW 18M | ----- |
| | BX | **TF TEST**ANI FAILURE-FALSE TENS FREQUENCY-CAMA | MW 18M | ----- |
| | BY | **TF TEST**ANI FAILURE-PARTIAL DIGITS-CAMA | MW 18M | ----- |
| | BZ | **TF TEST**TRUNK OBSERVING-CAMA | MW 18M | ----- |
| | CA | **TF TEST**TRK OBSERVING REORDER POSITION-CAMA | MW 18M | ----- |
| | CB | **TF TEST**REORDER POSITION-CAMA | MW 18M | ----- |
| | CC | **TF TEST**LOCAL CALL INTERCEPT CODE-CAMA | MW 18M | ----- |
| | CD | **TF TEST**UNAUTHORIZED CODE ROUTE-CAMA | MW 18M | ----- |
| | CE | **TF TEST**E-DIGIT UNBLOCKING-CAMA | MW 18M | ----- |
| | CF | **TF TEST**TIMING-TM TUBE (10 TO 20 SEC)-CAMA | MW 18M | ----- |
| | CG | **TF TEST**TIMING-TM TUBE (20 TO 30 SEC)-CAMA | MW 18M | ----- |
| | CH | **TF TEST**TIMING-TM TUBE (5 TO 10 SEC)-CAMA | MW 18M | ----- |
| | CI | **TF TEST**TIMING-OVERLOAD (3 TO 8 SEC)-CAMA | MW 18M | ----- |
| | CP | **TF TEST**PULSE GENERATOR | MW 18M | ----- |
| | CT | **TF TEST**ANY POSITION-CAMA | MW 18M | ----- |
| | CU | **TF TEST**PARTICULAR POSITION-CAMA | MW 18M | ----- |
| | CV | **TF TEST**DIGIT RESET-CAMA | MW 18M | ----- |
| | CW | **TF TEST**POSITION DISCONNECT-CAMA | MW 18M | ----- |
| | CX | **TF TEST**AUTO, MF, CDLC | MW 18M | ----- |
| | CY | **TF TEST**AUTO, MF, DLC | MW 18M | ----- |
| | CZ | **TF TEST**AUTO, SXD, XDD | MW 18M | ----- |
| | DA | **TF TEST**AUTO, SXD, NO XDD | MW 18M | ----- |
| | DB | **TF TEST**AUTO, SXD, NO XSG | MW 18M | ----- |

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| | | | | |
|---|----|---|--------|-------|
| 212-216-501 (8/1) | DC | **TF TEST**AUTO, SXD, XSG | MW 18M | ----- |
| | DD | **TF TEST**AUTO, LPD, XDD | MW 18M | ----- |
| | DE | **TF TEST**AUTO, LPD, NO XDD | MW 18M | ----- |
| | DF | **TF TEST**AUTO, LPD, NO XSG | MW 18M | ----- |
| | DG | **TF TEST**AUTO, LPD, XSG | MW 18M | ----- |
| | DH | **TF TEST**AUTO, DC | MW 18M | ----- |
| | DJ | **TF TEST**AUTO-CAMA-DIRECTORY ASST, NO AV | MW 18M | ----- |
| | EN | **TF TEST**FINAL ATTEMPT TIMING | MW 18M | ----- |
| 212-330-501 (10/0) | AK | CAMA SENDER | MW 18M | ----- |
| OFFICE TYPE 4 NON-RETRIAL*CARD TRANSLATOR*SD-68491-01 | | | | |
| FOR ALL UNITS | | | | |
| 212-216-501 (8/1) | A | **TF TEST**MF OUTPULSING-10-DIGIT CALL | MW 18M | ----- |
| | B | **TF TEST**LOOP DIAL OUTPULSING-7-DIGIT | MW 18M | ----- |
| | C | **TF TEST**DC KEYPULSE OUTPULSING | MW 18M | ----- |
| | D | **TF TEST**SIMPLEX DIAL OUTPULSING | MW 18M | ----- |
| | F | **TF TEST**MF OUTPULSING-7-DIGIT | MW 18M | ----- |
| | G | **TF TEST**LOOP DIAL OUTPULSING-10-DIGIT | MW 18M | ----- |
| | H | **TF TEST**CAMA TOLL INFORMATION CODES | MW 18M | ----- |
| | I | **TF TEST**CAMA DIRECTORY ASSISTANCE | MW 18M | ----- |
| | K | **TF TEST**CODE CONVERSION | MW 18M | ----- |
| | L | **TF TEST**RINGING SIMPLEX | MW 18M | ----- |
| | M | **TF TEST**20-CYCLE RINGING | MW 18M | ----- |
| | O | **TF TEST**ABANDONED CALL | MW 18M | ----- |
| | P | **TF TEST**FRAME IDENT FAILURE | MW 18M | ----- |
| | R | **TF TEST**THIRD TRIAL REORDER | MW 18M | ----- |
| | S | **TF TEST**THIRD TRIAL TROUBLE RELEASE | MW 18M | ----- |
| | T | **TF TEST**TRUNK GUARD TIMING FEATURE | MW 18M | ----- |
| | U | **TF TEST**TG AND OF RELAY TEST (W/O RETRIAL) | MW 18M | ----- |
| | V | **TF TEST**PERM SIG TIME-OUT | MW 18M | ----- |
| | W | **TF TEST**FALSE KEY PULSE | MW 18M | ----- |
| | X | **TF TEST**3-FREQ KEY PULSE | MW 18M | ----- |
| | Y | **TF TEST**PARTIAL DIAL TIME-OUT NON-RETRIAL | MW 18M | ----- |
| | AF | **TF TEST**3-FREQ DIGIT | MW 18M | ----- |
| | AH | **TF TEST**11-DIGIT REORDER | MW 18M | ----- |
| | AM | **TF TEST**START PULSE ERROR | MW 18M | ----- |
| | AO | **TF TEST**PRONOUNCEMENT REORDER | MW 18M | ----- |
| | AP | **TF TEST**CODE CHECK | MW 18M | ----- |
| | AR | **TF TEST**MF CURRENT SUPPLY TRANSFER | MW 18M | ----- |
| | AU | **TF TEST**OVERLOAD TIMING-SHORT DELAY | MW 18M | ----- |
| | AV | **TF TEST**RCD SS-CARD & OGTI (W/O RETRIAL) | MW 18M | ----- |
| | AW | **TF TEST**RCD SS-CARD (W/O RETRIAL) | MW 18M | ----- |

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|-------------------|----|--|--------|-------|
| 212-216-501 (8/1) | AX | **TF TEST**RCD SS-NO CARD (W/O RETRIAL) | MW 18M | ----- |
| | AY | **TF TEST**RCD SS-NO CARD (W/O RETRIAL) | MW 18M | ----- |
| | AZ | **TF TEST**STUCK SENDER TONE (W/O RETRIAL) | MW 18M | ----- |
| | BA | **TF TEST**REVERSED TRUNK (W/O RETRIAL) | MW 18M | ----- |
| | BB | **TF TEST**SXD GLARE-CAMA (W/O RETRIAL) | MW 18M | ----- |
| | BD | **TF TEST**MF GLARE-FLASH RECOGNIZED-CAMA (W/O RETRIAL) | MW 18M | ----- |
| | BE | **TF TEST**MF GLARE-FLASH NOTRECOGNIZED-CAMA (W/O RETRIAL) | MW 18M | ----- |
| | BJ | **TF TEST**PREL SL FAILURE (W/O RETRIAL) | MW 18M | ----- |
| | BM | **TF TEST**TIME-OUT-CONTINUOUS STOP-SXD, XDD (W/O RETRIAL) | MW 18M | ----- |
| | BO | **TF TEST**TIME-OUT UDD-LPD-CAMA (W/O RETRIAL) | MW 18M | ----- |
| | BP | **TF TEST**TIME-OUT-SXD-CAMA (W/O RETRIAL) | MW 18M | ----- |
| | BQ | **TF TEST**SUSPEND CAMA | MW 18M | ----- |
| | BR | **TF TEST**CROSSED SUSPEND CAMA LEADS | MW 18M | ----- |
| | BS | **TF TEST**OPERATOR ATTACHED FAILURE-CAMA | MW 18M | ----- |
| | BT | **TF TEST**OPERATOR 3-FREQUENCY DIGIT ERROR-CAMA | MW 18M | ----- |
| | BU | **TF TEST**OPERATOR ERROR-EXTRA DIGIT-CAMA | MW 18M | ----- |
| | BV | **TF TEST**SECOND OPERATOR ERROR-CAMA | MW 18M | ----- |
| | BW | **TF TEST**ANI FAILURE-EXTRA DIGIT-CAMA | MW 18M | ----- |
| | BX | **TF TEST**ANI FAILURE-FALSE TENS FREQUENCY-CAMA | MW 18M | ----- |
| | BY | **TF TEST**ANI FAILURE-PARTIAL DIGITS-CAMA | MW 18M | ----- |
| | BZ | **TF TEST**TRUNK OBSERVING-CAMA | MW 18M | ----- |
| | CA | **TF TEST**TRK OBSERVING REORDER POSITION-CAMA | MW 18M | ----- |
| | CB | **TF TEST**REORDER POSITION-CAMA | MW 18M | ----- |
| | CC | **TF TEST**LOCAL CALL INTERCEPT CODE-CAMA | MW 18M | ----- |
| | CD | **TF TEST**UNAUTHORIZED CODE ROUTE-CAMA | MW 18M | ----- |
| | CE | **TF TEST**E-DIGIT UNBLOCKING-CAMA | MW 18M | ----- |
| | CF | **TF TEST**TIMING-TM TUBE (10 TO 20 SEC)-CAMA | MW 18M | ----- |
| | CG | **TF TEST**TIMING-TM TUBE (20 TO 30 SEC)-CAMA | MW 18M | ----- |
| | CH | **TF TEST**TIMING-TM TUBE (5 TO 10 SEC)-CAMA | MW 18M | ----- |
| | CI | **TF TEST**TIMING-OVERLOAD (3 TO 8 SEC)-CAMA | MW 18M | ----- |
| | CJ | **TF TEST**TIMING-TT TUBE (20 TO 30 SEC)-CAMA (W/O RETRIAL) | MW 18M | ----- |
| | CK | **TF TEST**TIMING-TT TUBE (10 TO 20 SEC)-CAMA (W/O RETRIAL) | MW 18M | ----- |
| | CL | **TF TEST**TIMING-ATT TUBE (2 TO 3 SEC)-CAMA (W/O RETRIAL) | MW 18M | ----- |
| | CP | **TF TEST**PULSE GENERATOR | MW 18M | ----- |
| | CT | **TF TEST**ANY POSITION-CAMA | MW 18M | ----- |
| | CU | **TF TEST**PARTICULAR POSITION-CAMA | MW 18M | ----- |

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|---|--------------------------------|----|--|--------|-------|
| ♦ | 212-216-501 (8/1) | CV | **TF TEST**DIGIT RESET-CAMA | MW 18M | ----- |
| ♦ | | CW | **TF TEST**POSITION DISCONNECT-CAMA | MW 18M | ----- |
| ♦ | 212-330-501 (10/0) | AK | CAMA SENDER | MW 18M | ----- |
| ♦ | TROUBLE TESTS | | | | |
| ♦ | 212-216-501 (8/1) | DL | MANUAL MF, CDLC (CT2) | TT | ----- |
| ♦ | | DM | MANUAL MF, DLC (CT2) | TT | ----- |
| ♦ | | DN | MANUAL SXD, XDD (CT2) | TT | ----- |
| ♦ | | DO | MANUAL SXD, NO XDD (CT2) | TT | ----- |
| ♦ | | DP | MANUAL SXD, NO XSG (CT2) | TT | ----- |
| ♦ | | DQ | MANUAL SXD, XSG, (CT2) | TT | ----- |
| ♦ | | DR | MANUAL LPD, XDD (CT2) | TT | ----- |
| ♦ | | DS | MANUAL LPD, NO XDD (CT2) | TT | ----- |
| ♦ | | DT | MANUAL LPD, NO XSG (CT2) | TT | ----- |
| ♦ | | DU | MANUAL LPD, XSG (CT2) | TT | ----- |
| ♦ | | DV | MANUAL-DC (CT2) | TT | ----- |
| ♦ | | DW | MANUAL-NO AV (CT2) | TT | ----- |
| ♦ | | DX | MANUAL-CAMA-DIRECTORY ASST, NO AV (CT2) | TT | ----- |
| ♦ | | DY | MANUAL-CAMA-TOLL INFO, NO AV (CT2) | TT | ----- |
| ♦ | | DZ | MANUAL MF, CDLC (FA) | TT | ----- |
| ♦ | | EA | MANUAL MF, DLC (FA) | TT | ----- |
| ♦ | | EB | MANUAL SXD, XDD (FA) | TT | ----- |
| ♦ | | EC | MANUAL SXD, NO XDD (FA) | TT | ----- |
| ♦ | | ED | MANUAL SXD, NO XSG (FA) | TT | ----- |
| ♦ | | EE | MANUAL SXD, XSG (FA) | TT | ----- |
| ♦ | | EF | MANUAL LPD, XDD (FA) | TT | ----- |
| ♦ | | EG | MANUAL LPD, NO XDD (FA) | TT | ----- |
| ♦ | | EH | MANUAL LPD, NO XSG (FA) | TT | ----- |
| ♦ | | EI | MANUAL LPD, XSG (FA) | TT | ----- |
| ♦ | | EJ | MANUAL DC (FA) | TT | ----- |
| ♦ | | EK | MANUAL | TT | ----- |
| ♦ | | EL | MANUAL-CAMA-DIRECTORY ASST, NO AV | TT | ----- |
| ♦ | 3.4 SENDERS® -4A; OG-SDR-4A | | | | |
| ♦ | FOR ALL UNITS | | | | |
| ♦ | 212-220-501 (3/0) | A | **TF TEST**REGULAR CALL-AUTO RINGING | MW 18M | ----- |
| ♦ | | B | **TF TEST**REGULAR CALL-CONTROLLED RINGING | MW 18M | ----- |
| ♦ | | C | **TF TEST**COUNTING RELAYS | MW 18M | ----- |
| ♦ | | D | **TF TEST**RELEASE TEST OF STP RELAYS | MW 18M | ----- |
| ♦ | | E | **TF TEST**INCOMING OVERFLOW | MW 18M | ----- |
| ♦ | | F | **TF TEST**ABANDONED CALL | MW 18M | ----- |
| ♦ | | G | **TF TEST**REGULAR CALL | MW 18M | ----- |
| ♦ | | H | **TF TEST**FAST ASSIGNMENT | MW 18M | ----- |

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|--------------------|----|--|--------|-------|
| 212-220-501 (3/0) | I | **TF TEST**ABANDONED CALL-BEFORE ASSIGNMENT | MW 18M | ----- |
| | J | **TF TEST**ABANDONED CALL-AFTER ASSIGNMENT | MW 18M | ----- |
| | K | **TF TEST**CAPACITY TEST | MW 18M | ----- |
| | L | **TF TEST**REGISTER CONTROL | MW 18M | ----- |
| | M | **TF TEST**PREMATURE START PULSE | MW 18M | ----- |
| | N | **TF TEST**S LEAD GROUND | MW 18M | ----- |
| | O | **TF TEST**CLASS REGISTRATION FAILURE | MW 18M | ----- |
| | P | **TF TEST**CHAIN CIRCUIT FEATURES | MW 18M | ----- |
| | Q | **TF TEST**REVERTIVE TIME-OUT-NO DIGITS REGISTERED | MW 18M | ----- |
| | R | **TF TEST**REVERTIVE TIME-OUT-ONE DIGIT REGISTERED | MW 18M | ----- |
| | S | **TF TEST**RP FOUR-DIGIT TIME-OUT-NO START PULSE | MW 18M | ----- |
| | T | **TF TEST**RP FOUR-DIGIT TIME-OUT-NO KEY RELEASE | MW 18M | ----- |
| | U | **TF TEST**PCI FIVE-DIGIT TIME-OUT-NO START PULSE | MW 18M | ----- |
| | V | **TF TEST**OPEN TRUNK TIME-OUT | MW 18M | ----- |
| | W | **TF TEST**PCI REVERSED TRUNK TIMEOUT | MW 18M | ----- |
| | X | **TF TEST**TIME-OUT AWAIT TERM. SDR SEIZURES-SS | MW 18M | ----- |
| | Y | **TF TEST**TIME-OUT AWAITING ASSIGNMENT-STUCK SDR | MW 18M | ----- |
| | Z | **TF TEST**TIME-OUT AWAIT TERM. SDR SEIZURE-IMED RLS | MW 18M | ----- |
| | AA | **TF TEST**TIME-OUT AWAIT ASSIGN-IMMEDIATE RLS | MW 18M | ----- |
| | AB | **TF TEST**TIME-OUT AFTER TERM. SENDER SEIZURE | MW 18M | ----- |
| | AC | **TF TEST**STUCK SENDER DUE TO CTR KEY OPERATION | MW 18M | ----- |
| | AD | **TF TEST**REORDER AFTER TIME-OUT | MW 18M | ----- |
| | AE | **TF TEST**TIME-OUT AFTER CUT-THROUGH | MW 18M | ----- |
| 212-330-501 (10/0) | U | OUTGOING SENDER | MW 18M | ----- |

3.5 SENDERS® -4A; INC OP REG-4A

SELECT ONLY ONE CATEGORY

INC-DP REGISTER NON CAMA

| | | | | |
|-------------------|---|--|--------|-------|
| 212-217-501 (6/0) | A | **TF TEST**10-DIGIT CALL | MW 18M | ----- |
| | B | **TF TEST**7-DIGIT CALL | MW 18M | ----- |
| | C | **TF TEST**TOLL INF CODE 411 (THREE DIGIT) | MW 18M | ----- |
| | D | **TF TEST**REG FAILS TO REGISTER DIGITS | MW 18M | ----- |
| | E | **TF TEST**LINK ALM & STUCK REG | MW 18M | ----- |
| | F | **TF TEST**PERM SIG TEST | MW 18M | ----- |
| | G | **TF TEST**SDR REQ NO SDR ATT | MW 18M | ----- |
| | H | **TF TEST**PARTIAL DIAL | MW 18M | ----- |

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|---|----------------------|----|---|--------|-------|
| ♦ | 212-217-501 (6/0) | J | **TF TEST**REG FAILS TO OUTPUT (NON-CAMA ONLY) | MW 18M | ----- |
| ♦ | | L | **TF TEST**TIMING TEST (WITH PRETRANSLATOR) | MW 18M | ----- |
| ♦ | | N | **TF TEST**END OF DIALING TIMING (PRETRANSLATOR) | MW 18M | ----- |
| ♦ | | O | **TF TEST**11-DIGIT-0XX XXX XXXXX (NON-CAMA ONLY) | MW 18M | ----- |
| ♦ | | P | **TF TEST**11-DIGIT-1XX XXX XXXXX (NON-CAMA ONLY) | MW 18M | ----- |
| ♦ | | Q | **TF TEST**7-DIGIT-NXX XXXX (NON-CAMA ONLY) | MW 18M | ----- |
| ♦ | | R | **TF TEST**10-DIGIT-NO/1X XXXXXXX (NON-CAMA ONLY) | MW 18M | ----- |
| ♦ | | S | **TF TEST**INTERDIGITAL TIME-OUT (NON-CAMA ONLY) | MW 18M | ----- |
| ♦ | | AC | **TF TEST**REG FAILS TO REG DIGITS | MW * | ----- |
| ♦ | | AD | **TF TEST**LINK ALARM AND STUCK REGISTER TEST | MW * | ----- |
| ♦ | | AH | **TF TEST**REG FAILS TO OUTPUT DIGITS | MW * | ----- |
| ♦ | 212-330-501 (10/0) | T | INCOMING REGISTER | MW 18M | ----- |
| ♦ | INC-DP REGISTER CAMA | | | | |
| ♦ | 212-217-501 (6/0) | A | **TF TEST**10-DIGIT CALL | MW 18M | ----- |
| ♦ | | B | **TF TEST**7-DIGIT CALL | MW 18M | ----- |
| ♦ | | C | **TF TEST**TOLL INF CODE 411 (THREE DIGIT) | MW 18M | ----- |
| ♦ | | D | **TF TEST**REG FAILS TO REGISTER DIGITS | MW 18M | ----- |
| ♦ | | E | **TF TEST**LINK ALM. & STUCK REG | MW 18M | ----- |
| ♦ | | F | **TF TEST**PERM SIG TEST | MW 18M | ----- |
| ♦ | | G | **TF TEST**SDR REQ NO SDR ATT | MW 18M | ----- |
| ♦ | | H | **TF TEST**PARTIAL DIAL | MW 18M | ----- |
| ♦ | | I | **TF TEST**REG FAILS TO OUTPUT (CAMA ONLY) | MW 18M | ----- |
| ♦ | | K | **TF TEST**TROUBLE RELEASE | MW 18M | ----- |
| ♦ | | L | **TF TEST**TIMING TEST (WITH PRETRANSLATOR) | MW 18M | ----- |
| ♦ | | M | **TF TEST**END OF DIALING TIMING (CAMA ONLY) | MW 18M | ----- |
| ♦ | | N | **TF TEST**END OF DIALING TIMING (PRETRANSLATOR) | MW 18M | ----- |
| ♦ | | AC | **TF TEST**REG FAILS TO REG DIGITS | MW * | ----- |
| ♦ | | AD | **TF TEST**LINK ALARM AND STUCK REGISTER TEST | MW * | ----- |
| ♦ | | AH | **TF TEST**REG FAILS TO OUTPUT DIGITS | MW * | ----- |
| ♦ | 212-330-501 (10/0) | T | INCOMING REGISTER | MW 18M | ----- |