

EQUIPMENT TEST LIST

ROTARY SELECTORS

	CONTENTS	PAGE
1.	GENERAL	1
5.1	200, 206, 209 & 211-TYPE	2
5.2	D78143, D78677 & D78683	3
5.3	D80449, D81007, D87398, D87399 & D88325	4
5.4	D160593, D161367 & D178258	5
5.5	204-TYPE	6
5.6	KS-16201, KS-16202, KS-16203, KS-16563, KS-19086 & KS-20234	7
5.7	202, 203, 207 & 208-TYPE	9

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

026-706-701 (14/1)	2.25	TOEING OF BRIDGING BRUSHES	TT	-----
	2.26	HEEL SPACING	TT	-----
	2.27	ROTOR BRUSH ASSEMBLY ENDPLAY	TT	-----
	2.28	FALSE CONTACTING	TT	-----
	2.29	CONTACT ALNMT	TT	-----
	2.30	POSITION OF INSIDE INTERRUPTER SPRING (SPRING NO. 1)	TT	-----
	2.31	TENSION OF OUTSIDE INTERRUPTER SPRING (SPRING NO. 2)	TT	-----
	2.32	HIGH-VOLTAGE INTERRUPTER CONTACT TEST	TT	-----
	2.33	LOW-VOLTAGE INTERRUPTER CONTACT TEST	TT	-----
	2.34	INTERRUPTER CONTACT BREAK (209A SELECTOR)	TT	-----
	2.35	CLRNC BETWEEN DRIVING ARM STUD AND INTERRUPTER SPRING	TT	-----
	2.36	SELECTOR SPEED	TT	-----
026-706-711 (3/0)	3.01	(3.01 - 3.11) SELECTOR VOLTAGE TESTS USING J94706 TEST SET	TT	-----
026-706-712 (2/0)	3.01	(3.01 - 3.07) SELECTOR VOLTAGE TESTS USING 35D OR 35F TEST SET	TT	-----
	4.01	(4.01 - 4.06) SELECTOR VOLTAGE TESTS USING VOLTMETER	TT	-----

5.2 ROTARY SELECTORS; D78143, D78677 & D78683

FOR ALL UNITS

026-706-701 (14/1)	2.01	CLEAN RATCHET WHEEL, ARMATURE BEARINGS, MAGNET CORE AND ARMATURE SURFACES	MW 24M	-----
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TROUBLE TESTS

026-706-701 (14/1)	2.05	(A) ALNMT OF NONBRIDGING ROTOR BRUSH TIPS	TT	-----
	2.05	(B) ALNMT OF BRIDGING ROTOR BRUSH TIPS	TT	-----
	2.06	CLRNC BETWEEN ROTOR BRUSH NO. 1 AND DRIVING ARM	TT	-----
	2.07	ARMATURE BEARING PIN POSITION (ARMATURE BEARING PIN WITHOUT CLAMP PLATE)	TT	-----
	2.08	ARMATURE ENDPLAY	TT	-----
	2.09	CLRNC BETWEEN REAR CORNERS OF ARMATURE AND LUGS OF THE FRAME	TT	-----
	2.10	ARMATURE BACKSTOP POSITION	TT	-----
	2.11	(A) POSITION OF BRIDGING ROTOR BRUSHES ON BANK TERMINALS	TT	-----
	2.11	(B) POSITION OF NONBRIDGING ROTOR BRUSHES ON BANK TERMINALS	TT	-----
	2.12	OVERTHROW STOP POSITION	TT	-----
	2.13	RETAINING PAWL POSITION AND TENSION	TT	-----
	2.14	DRIVING SPRING TENSION	TT	-----
	2.16	DRIVING PAWL TENSION AND POSITION	TT	-----
	2.18	MAGNET PULL TEST	TT	-----
	2.19	STEP TEST	TT	-----
	2.20	ROTOR AND FEEDER BRUSH ALNMT	TT	-----

◆	026-706-701 (14/1)	2.21	FEEDER BRUSH POSITION	TT	-----
◆		2.22	FEEDER BRUSH TENSION	TT	-----
◆		2.23	ROTOR BRUSH TENSION	TT	-----
◆		2.24	ROTOR BRUSH PRONG CONTACT	TT	-----
◆		2.25	TOEING OF BRIDGING BRUSHES	TT	-----
◆		2.26	HEEL SPACING	TT	-----
◆		2.27	ROTOR BRUSH ASSEMBLY ENDPLAY	TT	-----
◆		2.28	FALSE CONTACTING	TT	-----
◆		2.29	CONTACT ALNMT	TT	-----
◆		2.30	POSITION OF INSIDE INTERRUPTER SPRING (SPRING NO. 1)	TT	-----
◆		2.31	TENSION OF OUTSIDE INTERRUPTER SPRING (SPRING NO. 2)	TT	-----
◆		2.32	HIGH-VOLTAGE INTERRUPTER CONTACT TEST	TT	-----
◆		2.33	LOW-VOLTAGE INTERRUPTER CONTACT TEST	TT	-----
◆		2.35	CLRNC BETWEEN DRIVING ARM STUD AND INTERRUPTER SPRING	TT	-----
◆		2.36	SELECTOR SPEED	TT	-----

5.3 ROTARY SELECTORS; D80449, D81007, D87398, D87399 & D88325

FOR ALL UNITS

◆	026-706-701 (14/1)	2.01	CLEAN RATCHET WHEEL, ARMATURE BEARINGS, MAGNET CORE AND ARMATURE SURFACES	MW 24M	-----
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TROUBLE TESTS

◆	026-706-701 (14/1)	2.05	(A) ALNMT OF NONBRIDGING ROTOR BRUSH TIPS	TT	-----
◆		2.05	(B) ALNMT OF BRIDGING ROTOR BRUSH TIPS	TT	-----
◆		2.06	CLRNC BETWEEN ROTOR BRUSH NO. 1 AND DRIVING ARM	TT	-----
◆		2.07	ARMATURE BEARING PIN POSITION (ARMATURE BEARING PIN WITHOUT CLAMP PLATE)	TT	-----
◆		2.08	ARMATURE ENDPLAY	TT	-----
◆		2.09	CLRNC BETWEEN REAR CORNERS OF ARMATURE AND LUGS OF THE FRAME	TT	-----
◆		2.10	ARMATURE BACKSTOP POSITION	TT	-----
◆		2.11	(A) POSITION OF BRIDGING ROTOR BRUSHES ON BANK TERMINALS	TT	-----
◆		2.11	(B) POSITION OF NONBRIDGING ROTOR BRUSHES ON BANK TERMINALS	TT	-----
◆		2.12	OVERTHROW STOP POSITION	TT	-----
◆		2.13	RETAINING PAWL POSITION AND TENSION	TT	-----
◆		2.14	DRIVING SPRING TENSION	TT	-----
◆		2.16	DRIVING PAWL TENSION AND POSITION	TT	-----
◆		2.18	MAGNET PULL TEST	TT	-----
◆		2.19	STEP TEST	TT	-----
◆		2.20	ROTOR AND FEEDER BRUSH ALNMT	TT	-----
◆		2.21	FEEDER BRUSH POSITION	TT	-----

026-706-701 (14/1)	2.22	FEEDER BRUSH TENSION	TT	-----
	2.23	ROTOR BRUSH TENSION	TT	-----
	2.24	ROTOR BRUSH PRONG CONTACT	TT	-----
	2.25	TOEING OF BRIDGING BRUSHES	TT	-----
	2.26	HEEL SPACING	TT	-----
	2.27	ROTOR BRUSH ASSEMBLY ENDPLAY	TT	-----
	2.28	FALSE CONTACTING	TT	-----
	2.29	CONTACT ALNMT	TT	-----
	2.30	POSITION OF INSIDE INTERRUPTER SPRING (SPRING NO. 1)	TT	-----
	2.31	TENSION OF OUTSIDE INTERRUPTER SPRING (SPRING NO. 2)	TT	-----
	2.32	HIGH-VOLTAGE INTERRUPTER CONTACT TEST	TT	-----
	2.33	LOW-VOLTAGE INTERRUPTER CONTACT TEST	TT	-----
	2.35	CLRNC BETWEEN DRIVING ARM STUD AND INTERRUPTER SPRING	TT	-----
	2.36	SELECTOR SPEED	TT	-----
5.4 ROTARY SELECTORS; D160593, D161367 & D178258				
FOR ALL UNITS				
026-706-701 (14/1)	2.01	CLEAN RATCHET WHEEL, ARMATURE BEARINGS, MAGNET CORE AND ARMATURE SURFACES	MW 24M	-----
TROUBLE TESTS				
026-706-701 (14/1)	2.05	(A) ALNMT OF NONBRIDGING ROTOR BRUSH TIPS	TT	-----
	2.05	(B) ALNMT OF BRIDGING ROTOR BRUSH TIPS	TT	-----
	2.06	CLRNC BETWEEN ROTOR BRUSH NO. 1 AND DRIVING ARM	TT	-----
	2.07	ARMATURE BEARING PIN POSITION (ARMATURE BEARING PIN WITHOUT CLAMP PLATE)	TT	-----
	2.08	ARMATURE ENDPLAY	TT	-----
	2.09	CLRNC BETWEEN REAR CORNERS OF ARMATURE AND LUGS OF THE FRAME	TT	-----
	2.10	ARMATURE BACKSTOP POSITION	TT	-----
	2.11	(A) POSITION OF BRIDGING ROTOR BRUSHES ON BANK TERMINALS	TT	-----
	2.11	(B) POSITION OF NONBRIDGING ROTOR BRUSHES ON BANK TERMINALS	TT	-----
	2.12	OVERTHROW STOP POSITION	TT	-----
	2.13	RETAINING PAWL POSITION AND TENSION	TT	-----
	2.14	DRIVING SPRING TENSION	TT	-----
	2.16	DRIVING PAWL TENSION AND POSITION	TT	-----
	2.18	MAGNET PULL TEST	TT	-----
	2.19	STEP TEST	TT	-----
	2.20	ROTOR AND FEEDER BRUSH ALNMT	TT	-----
	2.21	FEEDER BRUSH POSITION	TT	-----
	2.22	FEEDER BRUSH TENSION	TT	-----

026-706-701 (14/1)	2.23	ROTOR BRUSH TENSION	TT	-----
	2.24	ROTOR BRUSH PRONG CONTACT	TT	-----
	2.25	TOEING OF BRIDGING BRUSHES	TT	-----
	2.26	HEEL SPACING	TT	-----
	2.27	ROTOR BRUSH ASSEMBLY ENDPLAY	TT	-----
	2.28	FALSE CONTACTING	TT	-----
	2.29	CONTACT ALNMT	TT	-----
	2.30	POSITION OF INSIDE INTERRUPTER SPRING (SPRING NO. 1)	TT	-----
	2.31	TENSION OF OUTSIDE INTERRUPTER SPRING (SPRING NO. 2)	TT	-----
	2.32	HIGH-VOLTAGE INTERRUPTER CONTACT TEST	TT	-----
	2.33	LOW-VOLTAGE INTERRUPTER CONTACT TEST	TT	-----
	2.35	CLRNC BETWEEN DRIVING ARM STUD AND INTERRUPTER SPRING	TT	-----
	2.36	SELECTOR SPEED	TT	-----
5.5 ROTARY SELECTORS; 204-TYPE				
FOR ALL UNITS				
026-708-701 (7/0)	2.02	(A & C) CLEANING AND TREATING OF BANK CONTACTS AND WIPERS	MW 48M	-----
	2.03	LUBRICATE SELECTOR	MW 48M	-----
TROUBLE TESTS				
026-708-701 (7/0)	2.05	WIPER ASSEMBLY PLAY	TT	-----
	2.06	WIPER SPRING TIP SEPN	TT	-----
	2.07	WIPER SPRING TENSION	TT	-----
	2.08	ALNMT OF WIPER SPRING TIPS ON BANK CONTACTS	TT	-----
	2.09	CLRNC BETWEEN RELEASE RATCHET DOG & RATCHET TEETH	TT	-----
	2.10	NORMAL FINGER POSITION	TT	-----
	2.11	FREEDOM OF MOVEMENT OF RELEASE ARMATURE	TT	-----
	2.12	RELEASE MAGNET HEELPIECE AIRGAP	TT	-----
	2.13	RELEASE ARMATURE TRAVEL	TT	-----
	2.14	RELEASE RATCHET DOG ALNMT	TT	-----
	2.15	RELEASE ARMATURE SPRING TENSION	TT	-----
	2.16	WIPER ASSEMBLY RESTORING SPRING TENSION	TT	-----
	2.17	ROTARY ARMATURE SPRING POSITION AND TENSION	TT	-----
	2.18	FREEDOM OF ROTARY ARMATURE MOVEMENT	TT	-----
	2.20	ROTARY ARMATURE TRAVEL	TT	-----
	2.21	PAWL ALNMT	TT	-----
	2.22	PAWL SPRING TENSION	TT	-----
	2.23	PAWL GUIDE ARM POSITION	TT	-----
	2.24	WIPER ASSEMBLY ROTARY PLAY	TT	-----
	2.25	OFF-NORMAL ROLLER MOVEMENT	TT	-----

026-708-701	(7/0)	2.26	SPRING ALNMT	TT	-----
		2.27	STUD ALNMT	TT	-----
		2.28	CONTACT ALNMT	TT	-----
		2.30	OFF-NORMAL OPRG SPRING CLRNC	TT	-----
		2.31	OFF-NORMAL OPRG SPRING TENSION	TT	-----
		2.34	CONTACT SEPN	TT	-----
		2.35	CONTACT PRESSURE	TT	-----
		2.36	CONTACT FOLLOW	TT	-----
204A SELECTOR					
026-708-701	(7/0)	2.33	STUD GAP	TT	-----
204F SELECTOR					
026-708-701	(7/0)	2.29	OFF-NORMAL OPRG SPRING AND ROLLER ENGMT	TT	-----
ALL SELECTORS EXCEPT 204F SELECTORS					
026-708-701	(7/0)	2.29	OFF-NORMAL OPRG SPRING AND ROLLER ENGMT	TT	-----
5.6 ROTARY SELECTORS; KS-16201, KS-16202, KS-16203, KS-16563, KS-19086 & KS-20234					
FOR ALL UNITS					
026-720-701	(8/0)	2.01	(A) CLEAN RATCHET WHEEL TEETH, ARMATURE & DRIVING PAWL BEARING, AND MAGNET CORE & ADJACENT ARMTR SURFACES	MW 24M	-----
		2.01	(B) CLEAN INTERRUPTER CONTACTS & OFF-NORMAL CONTACTS	MW 24M	-----
		2.02	(B) LUBRICATE ROTOR SHAFT, RATCHET WHEEL TEETH, DRIVING PAWL BEARING, DRIVING PAWL SPRING, DRIVING SPRING, ARMATURE BEARING, ROTARY BRUSHES, BANK CONTACTS, AND FEEDER BRUSH TIPS	MW 48M	-----
TROUBLE TESTS					
026-720-701	(8/0)	2.03	SELECTOR MOUNTING	TT	-----
		2.04	INDEX WHEEL ALNMT	TT	-----
		2.05	FEEDER BRUSH POSITION & TENSION	TT	-----
		2.06	ROTOR FREEDOM OF MVMT	TT	-----
		2.07	ROTOR BRUSH FOLLOW	TT	-----
		2.08	ROTOR BRUSH PAIRS CLRNC	TT	-----
		2.09	ROTOR BRUSH & FEEDER BRUSH SPRINGS CLRNC	TT	-----
		2.10	ROTOR BRUSH ALNMT	TT	-----
		2.12	ARMATURE FREEDOM OF MVMT	TT	-----
		2.13	ARMATURE & HEELPIECE CLRNC	TT	-----
		2.14	DRIVING PAWL & ARMATURE STOPPING TEETH ALNMT	TT	-----
		2.17	DRIVING PAWL FREEDOM OF MVMT	TT	-----
		2.18	DRIVING PAWL SPRING TENSION	TT	-----
		2.20	RETAINING PAWL TENSION	TT	-----
		2.21	RETAINING PAWL POSITION	TT	-----
		2.22	(A) NONBRIDGING ROTOR BRUSH & BANK CONTACT POSITION	TT	-----
		2.23	ELECTRICAL REQTS	TT	-----

026-720-701 (8/0)	2.24	DRIVING SPRING PRESSURE	TT	-----
	2.25	INTERRUPTER CONTACT ALNMT	TT	-----
	2.26	INTERRUPTER CONTACT MAKE & BREAK	TT	-----
	2.27	INTERRUPTER SPRING CONTACT PRESSURE	TT	-----
	2.32	OFF-NORMAL SPRING TENSION & CONTACT PRESSURE	TT	-----
	2.33	OFF-NORMAL SPRINGS CONTACT SEPN	TT	-----
KS-16201 & KS-16202 UNITS				
026-720-701 (8/0)	2.11	INDICATOR POINTER POSITION	TT	-----
	2.15	DRIVING PAWL & DRIVING PAWL SPRING CLRNC WITH ADJACENT ROTOR BRUSH	TT	-----
	2.16	INTERRUPTER ARM POSITION	TT	-----
	2.19	RETAINING PAWL CLRNC WITH DRIVING ARM & DRIVING PAWL	TT	-----
	2.22	(C) BRIDGING ROTOR BRUSHES & BANK CONTACTS POSITION	TT	-----
	2.28	(A) INTERRUPTER CONTACT TEST	TT	-----
	2.29	(A - E) OFF-NORMAL SPRINGS MOUNTING	TT	-----
	2.31	OFF-NORMAL OPRG SPRING & INDICATOR WHEEL CLRNC	TT	-----
KS-16203 UNITS				
026-720-701 (8/0)	2.15	DRIVING PAWL & DRIVING PAWL SPRING CLRNC WITH ADJACENT ROTOR BRUSH	TT	-----
	2.16	INTERRUPTER ARM POSITION	TT	-----
	2.19	RETAINING PAWL CLRNC WITH DRIVING ARM & DRIVING PAWL	TT	-----
	2.22	(C) BRIDGING ROTOR BRUSHES & BANK CONTACTS POSITION	TT	-----
	2.28	(A) INTERRUPTER CONTACT TEST	TT	-----
	2.29	(A - E) OFF-NORMAL SPRINGS MOUNTING	TT	-----
	2.31	OFF-NORMAL OPRG SPRING & INDICATOR WHEEL CLRNC	TT	-----
KS-16563 & KS-20234 UNITS				
026-720-701 (8/0)	2.11	INDICATOR POINTER POSITION	TT	-----
	2.22	(B) BRIDGING ROTOR BRUSHES & BANK CONTACTS POSITION	TT	-----
	2.28	(A) INTERRUPTER CONTACT TEST	TT	-----
	2.29	(F - G) OFF-NORMAL SPRINGS MOUNTING	TT	-----
	2.30	OFF-NORMAL ACTUATING ARM & OFF-NORMAL NO. 1 SPRING ASSEMBLY	TT	-----
KS-19086 UNITS				
026-720-701 (8/0)	2.11	INDICATOR POINTER POSITION	TT	-----
	2.22	(B) BRIDGING ROTOR BRUSHES & BANK CONTACTS POSITION	TT	-----
	2.28	(B) INTERRUPTER CONTACT TEST	TT	-----
	2.29	(F - G) OFF-NORMAL SPRINGS MOUNTING	TT	-----
	2.30	OFF-NORMAL ACTUATING ARM & OFF-NORMAL NO. 1 SPRING ASSEMBLY	TT	-----

5.7 ROTARY SELECTORS; 202, 203, 207 & 208-TYPE

FOR ALL UNITS

026-740-701 (4/0)	2.01	CLEAN ROTOR BEARINGS, STOP MAGNET ARMATURE BEARINGS, STOP MAGNET CORE, ARMATURE SURFACE, STOP MAGNET CONTACTS & BANK TERMINALS	MW 24M	-----
	2.02	(A) LUBRICATE ROTOR BEARINGS	MW 48M	-----
	2.02	(B) LUBRICATE STOP MAGNET ARMATURE BEARINGS	MW 48M	-----

TROUBLE TESTS

026-740-701 (4/0)	2.04	ROTOR SHAFT ENDPLAY	TT	-----
	2.05	DRIVE MAGNET CORE & DRIVEN DISC GAP	TT	-----
	2.06	DRIVING & DRIVEN DISCS GAP	TT	-----
	2.07	DRIVING DISC & DRIVEN DISC LOCATION	TT	-----
	2.08	DRIVING DISC & POLE-PIECE GAP	TT	-----
	2.09	DRIVE PULL SLIPPAGE	TT	-----
	2.12	ARMATURE & BACK STOP SCREW GAP	TT	-----
	2.13	CONTACT ALNMT	TT	-----
	2.14	STOP UNIT SPRINGS CONTACT PRESSURE	TT	-----
	2.17	SHORT CONTACT SPRING POSITION	TT	-----
	2.19	STOP UNIT HORIZONTAL ADJMT	TT	-----
	2.22	ROTOR BRUSH TIPS ALNMT	TT	-----
	2.23	ROTOR BRUSH ALNMT	TT	-----
	2.24	FEEDER BRUSH POSITION	TT	-----
	2.25	FEEDER BRUSH TENSION	TT	-----
	2.26	ROTOR BRUSH TENSION	TT	-----
	2.27	ROTOR BRUSH PRONG CONTACT	TT	-----
	2.28	BRIDGING BRUSH TOEING	TT	-----
	2.29	HEEL SPACING	TT	-----
	2.30	FALSE CONTACTING	TT	-----
	2.31	P-10A768 ATTACHABLE STOP APPL	TT	-----

202-TYPE, 203A, 203B, 207A & 207B UNITS

026-740-701 (4/0)	2.10	(A) STOP UNIT VERTICAL POSITION	TT	-----
	2.11	(A) ARMATURE BACK STOP SCREW POSITION	TT	-----
	2.16	(A) STOP UNIT SPRINGS CONTACT SEPN	TT	-----
	2.18	INSULATING BUSHING & LONG CONTACT SPRING GAP	TT	-----
	2.21	(A) STOP MAGNET ELECTRICAL REQTS	TT	-----

203C, 203D, 208A & 208B UNITS

026-740-701 (4/0)	2.10	(B) STOP UNIT VERTICAL POSITION	TT	-----
	2.11	(B) ARMATURE BACK STOP SCREW POSITION	TT	-----
	2.15	LONG CONTACT SPRING PRESSURE AGAINST INSULATING BUSHING	TT	-----
	2.16	(B) STOP UNIT SPRINGS CONTACT SEPN	TT	-----
	2.20	ARMATURE RETRACTILE SPRING TENSION	TT	-----

SECTION 026-001-011

026-740-701 (4/0)	2.21 (B) STOP MAGNET ELECTRICAL REQTS	TT	-----
203E & 207C UNITS			
026-740-701 (4/10)	2.10 (A) STOP UNIT VERTICAL POSITION	TT	-----
	2.11 (A) ARMATURE BACK STOP SCREW POSITION	TT	-----
	2.16 (C & D) STOP UNIT SPRINGS CONTACT SEPN	TT	-----
	2.18 INSULATING BUSHING & LONG CONTACT SPRING GAP	TT	-----
	2.21 (A) STOP MAGNET ELECTRICAL REQTS	TT	-----