

EQUIPMENT TEST LIST

RELAYS

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NOTICE

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20.52 STRBG-CRLSN 194-TYPE	13	1. GENERAL	
20.53 STRBG-CRLSN 207, 228 & 244-TYPE .	13	1.01 This section provides an index and informa- tion access system to locate the standard tests applicable to equipment listed in the preceding table of contents. Test classification and frequency of peri- odic routine are also provided.	
20.54 STRBG-CRLSN 245, 253 & 257-TYPE .	14	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.	
20.55 STRBG-CRLSN 263 & 285-TYPE . . .	15	1.03 Comments on this section should be made by following the instructions in Bell System Practices (BSP), Section 000-010-015.	
20.56 STRBG-CRLSN 366-TYPE	15	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.	
20.57 WESTON 705, 723, 813 & 1035 METER-TYPE	16	1.05 Section 010-300-011 provides Equipment Test List instructions.	
20.58 LFE 281-M-II & 281-M-III METER-TYPE	16		
20.59 LFE 385-M, 391-M & 723-M METER-TYPE	16		
20.60 245, 254, 263 & 264-TYPE	16		

20.0 RELAYS

♦ 20.1 RELAYS; RESISTOR-CAPACITOR TIMED RELAY INTERRUPTER

♦ SELECT ONLY ONE CATEGORY

♦ TEST USING KS-7361, KS-7608 & 35-TYPE TEST SET

♦	040-009-501 (2/1)	A	USING KS-7361 PERCENT BREAK METER, KS-7608 IMPULSE COUNTER, AND 35-TYPE TEST SET	MW 24M	-----
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♦ TEST USING PULSE CHECKING TEST SET

♦	040-009-501 (2/1)	B	USING PULSE CHECKING TEST SET J94723	MW 24M	-----
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♦ TEST USING RA SIGNALING TEST SET

♦	040-009-501 (2/1)	C	USING 4A SIGNAL TEST SET NOTE: TYPICAL RELAY-"PG", "KP", "P", "CKP"	MW 24M	-----
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♦ 20.2 RELAYS; PULSE PRTG RELAY

♦ SELECT ONLY ONE CATEGORY

♦ REQTS USING PULSE TEST SET SD-31481-01 & PLS REP TST SET J64722A

♦	040-011-711 (2/0)		PULSE REPEATING RELAYS PULSE REQTS TA1 TO TF2 USING REPEATING TST SET J64722A	MW *	-----
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♦	040-012-711 (9/0)		PULS RPT RELS-TST SET J34717A OR TST SET J34720A	MW *	-----
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♦ REQTS USING 2B-1 TEST SET

♦	040-011-712 (11/1)		PULS RPT RELS PULSING REQTS TA1 THROUGH TF2 USING 2B-1 SIG TST SET J64730B ETC	MW *	-----
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♦	040-012-712 (3/0)		PULS RPT RELS-TST SET J64730	MW *	-----
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♦ REQTS USING 4A SIGNALING TEST SET

♦	040-011-713 (1/0)		PULS RPT PULSING REQTS TA1 THROUGH TF2 USING 4A SIG TST SET J94743	MW *	-----
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♦	040-012-711 (9/0)		PULS RPT RELS-TST SET J34717A OR TST SET J34720A	MW *	-----
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20.3 RELAYS; AIR NAV LTG CKT

SELECT ONLY ONE CATEGORY

♦ SINGLE & 2-CIRCUIT SWITCHES

♦	040-663-701 (5/0)	2.02	(2.02A) LUBRICATE SINGLE & 2-CKT SWITCHES	MW 6M	-----
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♦ 3-CIRCUIT SWITCHES

♦	040-663-701 (5/0)	2.02	(2.02B & C) LUBRICATE 3-CKT SWITCHES	MW 3M	-----
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♦ 20.4 RELAYS; KS15513 WESTINGHOUSE ELEC CORP

FOR ALL UNITS

♦	040-664-701 (3/0)	2.03	(2.03A) LUBRICATE CLUTCH PINION BEARING	MW 12M	-----
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♦		2.03	(2.03B OR C) LUBRICATE MOTOR BEARING	MW 36M	-----
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♦ TROUBLE TESTS

♦	040-664-701 (3/0)	2.05	ARMATURE FREEDOM OF OPERATION	TT	-----
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♦		2.06	CONTACT FOLLOW	TT	-----
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♦		2.07	LATCH ARMS & CONTACT FINGERS SEPN	TT	-----
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♦		2.08	CLUTCH OPRN	TT	-----
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♦		2.09	TRIP MECHANISM OPRN	TT	-----
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♦		2.10	MOTOR OPRN	TT	-----
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♦	040-664-701 (3/0)	2.11	TIMING REQTS	TT	-----
♦		2.12	ELECTRICAL REQTS	TT	-----
♦		2.13	TEMPERATURE	TT	-----
♦	20.5 RELAYS; KS15513 EAGLE SIG CORP				
	FOR ALL UNITS				
♦	040-665-701 (1/0)	2.01	CHECK RELAY & COVER MOUNTING	MW 12M	-----
♦		2.02	CLEAN RELAY	MW 12M	-----
		2.03	LUBRICATION	MW 12M	-----
♦	TROUBLE TESTS				
♦	040-665-701 (1/0)	2.05	CONTACT SEPN	TT	-----
♦		2.06	CAM & CONTACT FINGER SEPN	TT	-----
♦		2.07	FINGER & LIFT PLATE SEPN	TT	-----
♦		2.08	CYCLE CHANGE GEAR POSITION	TT	-----
♦		2.09	GEAR ENGMT	TT	-----
♦		2.10	CLUTCH OPRN	TT	-----
♦		2.11	CAMSHAFT OPRN	TT	-----
♦		2.12	MOTOR OPRN	TT	-----
♦		2.13	TIMING REQTS	TT	-----
♦		2.14	ELECTRICAL REQTS	TT	-----
♦		2.15	TEMPERATURE	TT	-----
	20.6 RELAYS; UB-TYPE				
	TROUBLE TESTS				
	040-520-701 (5/0)	2.01	CLEAN & INSPECT CONTACTS	TT	-----
		2.02	RELAY MTG	TT	-----
		2.03	VERTICAL CLRNC	TT	-----
		2.04	COVER SPG, COVER GUIDE PRESSURE & COVER CAP TYTNS	TT	-----
		2.05	CONTACT ALNMT	TT	-----
		2.06	SPG TANG POSITION & CARD CLRNC	TT	-----
		2.07	ADJG STUD CLRNC	TT	-----
		2.08	ADJG NUT TYTNS	TT	-----
		2.09	ADJG NUT LOCKNUT TYTNS	TT	-----
		2.10	D-178259 & D-178260 ATTBL SEPR APPL	TT	-----
		2.11	ARMTR POSITION	TT	-----
		2.12	ARMTR TRAVEL	TT	-----
		2.13	SPG TENSION	TT	-----
		2.14	ARMTR BACK TENSION	TT	-----
		2.15	SPG SEPN	TT	-----
		2.16	CONTACT MAKE & BREAK	TT	-----
		2.17	ELECTRICAL REQTS	TT	-----
		2.18	TMG REQTS	TT	-----

20.7 RELAYS; Y-TYPE

TROUBLE TESTS

040-522-701 (9/0)	2.01	CLEAN & INSPECT CONTACTS	TT	-----
	2.02	RELAY MTG	TT	-----
	2.03	VERTICAL CLRNC	TT	-----
	2.04	COVER SPG, COVER GUIDE PRESSURE & COVER CAP TYTNS	TT	-----
	2.05	CONTACT ALNMT	TT	-----
	2.06	SPG TANG POSITION & CARD CLRNC	TT	-----
	2.07	ADJG STUD CLRNC	TT	-----
	2.08	ADJG NUT TYTNS	TT	-----
	2.09	D-167911 MAGNETIC SEPR APPL	TT	-----
	2.10	ARMTR POSITION	TT	-----
	2.11	ARMTR TRAVEL	TT	-----
	2.12	SPG TENSION	TT	-----
	2.13	POSITION OF X' BUFFER SPG DSGNTD F	TT	-----
	2.14	ARMTR BACK TENSION	TT	-----
	2.15	SPG STUD CLRNC	TT	-----
	2.16	SPG STRTNS	TT	-----
	2.17	SPG SEPN	TT	-----
	2.18	STUD GAP	TT	-----
	2.19	CONTACT MAKE	TT	-----
	2.20	CONTACT SEPN	TT	-----
	2.21	CONTACT SEQ	TT	-----
	2.22	ELECTRICAL REQTS	TT	-----
040-937-701 (8/0)	2.01	(2.01 - 2.16) U, Y, & UA-TYPE RELAY REQTS CONDENSED SECTION	TT	-----

20.8 RELAYS; D-80493 THERMAL RELAY

TROUBLE TESTS

040-601-701 (2/0)	2.01	CLEAN & INSPECT CONTACTS	TT	-----
	2.02	RELAY MTG	TT	-----
	2.03	RELAY COVER	TT	-----
	2.04	ASSEMBLY TYTNS	TT	-----
	2.05	CONTACT & SPG ALNMT	TT	-----
	2.06	SPG TANG POSITION	TT	-----
	2.07	TIMING	TT	-----

20.9 RELAYS; D-81211 BELLOWS RELAY

TROUBLE TESTS

040-602-701 (1/0)	2.01	CLEAN & INSPECT CONTACTS	TT	-----
	2.02	RELAY MTG	TT	-----
	2.03	LOCKNUTS TYTNS	TT	-----
	2.04	CONTACT ALNMT	TT	-----

040-602-701 (1/0)	2.05	CONTACT SEPN	TT	-----
	2.06	BELLOWS	TT	-----
	2.07	BLOCKADE OPRN	TT	-----
	2.08	BELLOWS LEAKAGE	TT	-----
	2.09	CASE LEAKAGE	TT	-----
20.10 RELAYS; D-85083				
TROUBLE TESTS				
040-603-701 (2/0)	2.01	CLEAN & INSPECT CONTACTS	TT	-----
	2.02	RELAY MTG	TT	-----
	2.03	RELAY TERMINALS & NUTS	TT	-----
	2.04	AIR GAP	TT	-----
20.11 RELAYS; KS-5323 C&H AUTO REV CUR RELAY				
TROUBLE TESTS				
040-630-701 (3/0)	2.01	CONTACT SURFACES	TT	-----
	2.02	CONTACT SEPN	TT	-----
	2.03	CONTACT PRESSURE	TT	-----
	2.04	OPRG TEST	TT	-----
20.12 RELAYS; KS-5323-01 & KS-15572 C&H AUTO REV CUR RELAY				
TROUBLE TESTS				
040-631-701 (1/0)	2.01	OPERATION	TT	-----
	2.02	CONTACT SURFACES	TT	-----
	2.03	CONTACT SEPN	TT	-----
	2.04	CONTACT PRESSURE	TT	-----
20.13 RELAYS; KS-5342, KS-5348, KS-5561 & KS-5662 AM RELAY				
TROUBLE TESTS				
040-632-701 (8/0)	2.01	SHUNT & SHUNT LEADS TYTNS	TT	-----
	2.02	CONTACT CLEANING	TT	-----
	2.03	POINTER FREEDOM OF MVMT	TT	-----
	2.04	CONTACT & POINTER ACCURACY	TT	-----
	2.05	SHUNT TEMPERATURE	TT	-----
20.14 RELAYS; KS-5787, KS-15570, KS-15573 & KS-15796 AM RELAY				
TROUBLE TESTS				
040-632-701 (8/0)	2.01	SHUNT & SHUNT LEADS TYTNS	TT	-----
	2.02	CONTACT CLEANING	TT	-----
	2.03	POINTER FREEDOM OF MVMT	TT	-----
	2.04	CONTACT & POINTER ACCURACY	TT	-----
	2.05	SHUNT TEMPERATURE	TT	-----
20.15 RELAYS; KS-15802 & KS-15803 AM RELAY				
TROUBLE TESTS				
040-632-701 (8/0)	2.01	SHUNT & SHUNT LEADS TYTNS	TT	-----
	2.02	CONTACT CLEANING	TT	-----

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040-632-701	(8/0)	2.03	POINTER FREEDOM OF MVMT	TT	-----
		2.04	CONTACT & POINTER ACCURACY	TT	-----
		2.05	SHUNT TEMPERATURE	TT	-----
20.16 RELAYS; KS-5350, KS-5451 & KS-5738 CONT RELAY					
TROUBLE TESTS					
040-633-701	(8/0)	2.01	RELAY MTG & ASSEMBLY TYTNS	TT	-----
		2.02	ARMTR FREEDOM OF OPRN	TT	-----
		2.03	CONTACT CLEANING	TT	-----
		2.04	CONTACT ALNMT	TT	-----
		2.05	CONTACT SEPN	TT	-----
		2.07	CONTACT SEQ	TT	-----
		2.08	CONTACT PRESSURE	TT	-----
		2.09	ELECTRICAL REQTS	TT	-----
20.17 RELAYS; KS-15503 & KS-15806 CONT RELAY					
TROUBLE TESTS					
040-633-701	(8/0)	2.01	RELAY MTG & ASSEMBLY TYTNS	TT	-----
		2.02	ARMTR FREEDOM OF OPRN	TT	-----
		2.03	CONTACT CLEANING	TT	-----
		2.04	CONTACT ALNMT	TT	-----
		2.05	CONTACT SEPN	TT	-----
		2.07	CONTACT SEQ	TT	-----
		2.08	CONTACT PRESSURE	TT	-----
		2.09	ELECTRICAL REQTS	TT	-----
20.18 RELAYS; KS-15598 CONT RELAY					
TROUBLE TESTS					
040-633-701	(8/0)	2.01	RELAY MTG & ASSEMBLY TYTNS	TT	-----
		2.02	ARMTR FREEDOM OF OPRN	TT	-----
		2.03	CONTACT CLEANING	TT	-----
		2.04	CONTACT ALNMT	TT	-----
		2.05	CONTACT SEPN	TT	-----
		2.06	SPG CLRNC	TT	-----
		2.07	CONTACT SEQ	TT	-----
		2.08	CONTACT PRESSURE	TT	-----
		2.09	ELECTRICAL REQTS	TT	-----
20.19 RELAYS; KS-5453 VOLTAGE RELAY					
TROUBLE TESTS					
040-635-701	(3/0)	2.01	ALNMT	TT	-----
		2.02	CONTACT ARM FREEDOM OF MVMT	TT	-----
		2.03	PLUNGER FREEDOM OF MVMT	TT	-----
		2.04	SPIRAL ADJG SPG	TT	-----
		2.05	POSITION OF CONTACTS	TT	-----

040-635-701 (3/0)	2.06	CONTACT SURFACE	TT	-----
	2.07	OPRG REQTS	TT	-----
	2.08	HLDR EFFECT	TT	-----
	2.09	COIL TEMPERATURE	TT	-----
20.20 RELAYS; KS-5596 THRM TM-DELAY RELAY				
TROUBLE TESTS				
040-640-701 (2/0)	2.01	CONTACTS	TT	-----
	2.02	CONTACT ASSEMBLY CLMP SCREW TYTNS	TT	-----
	2.03	OPERATE TIME	TT	-----
20.21 RELAYS; KS-5639 DBL COIL-MLT CT CONT RELAY				
TROUBLE TESTS				
040-641-701 (1/1)	2.01	CONTACTS CLEANING & RMVG BUILDUP	TT	-----
	2.02	RELAY MTG & TYTNS OF CPNT	TT	-----
	2.03	CONTACT ALNMT	TT	-----
	2.04	CONTACT SEQ	TT	-----
	2.05	CONTACT SEPN	TT	-----
	2.06	CONTACT PRESSURE	TT	-----
	2.07	ARMTR FREEDOM OF OPRN	TT	-----
	2.08	ELECTRICAL REQTS	TT	-----
	2.09	COILS & CONTACT TEMPERATURE	TT	-----
20.22 RELAYS; KS-5656 & KS-5658 DBL COIL-MLT CT CONT RELAY				
TROUBLE TESTS				
040-642-701 (1/0)	2.01	RELAY MTG	TT	-----
	2.02	CONTACT SURFACES	TT	-----
	2.03	CONTACT ALNMT	TT	-----
	2.04	CONTACT SEPN	TT	-----
	2.05	CONTACT SEQ	TT	-----
	2.06	CONTACT PRESSURE	TT	-----
	2.07	ELECTRICAL REQTS	TT	-----
	2.08	TEMPERATURE	TT	-----
20.23 RELAYS; KS-5721 MERCURY RELAY				
TROUBLE TESTS				
040-643-701 (2/0)	2.01	RELAY MTG	TT	-----
	2.02	TUBE ALNMT	TT	-----
	2.03	ELECTRICAL REQTS	TT	-----
	2.04	COIL TEMPERATURE	TT	-----
20.24 RELAYS; KS-5723 THRM TM-DELAY RELAY				
TROUBLE TESTS				
040-644-701 (1/0)	2.01	CONTACT SURFACES	TT	-----
	2.02	CONTACT PRESSURE	TT	-----
	2.03	RELAY MTG	TT	-----

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040-644-701 (1/0)	2.04	ELECTRICAL REQTS	TT	-----
	2.05	CONTACT TEMPERATURE	TT	-----
20.25 RELAYS; KS-5923 CURRENT OR VOLTAGE RELAY				
TROUBLE TESTS				
040-645-701 (1/0)	2.01	CONTACTS	TT	-----
	2.02	POINTER FREEDOM OF MVMT	TT	-----
	2.03	ADJBL CONTACT ARMS	TT	-----
	2.04	INDICATION ACCURACY	TT	-----
	2.05	CONTACT ACCURACY	TT	-----
20.26 RELAYS; KS-7801 - KS-7850				
TROUBLE TESTS				
040-647-701 (2/0)	2.01	OPERATE & RELEASE TIMING REQTS	TT	-----
20.27 RELAYS; KS-6902, KS-6903 & KS-7252				
TROUBLE TESTS				
040-646-701 (3/0)	2.01	CONTACTS CLEANING	TT	-----
	2.02	RELAY MTG	TT	-----
	2.03	TYTNS OF ASSEMBLY	TT	-----
	2.04	ARMTR FREEDOM OF MVMT	TT	-----
	2.05	CONTACT SEPN	TT	-----
	2.06	CONTACT PRESSURE	TT	-----
	2.07	CONTACT SEQ	TT	-----
	2.08	ELECTRICAL REQTS	TT	-----
20.28 RELAYS; KS-13542 & KS-13543 THRM RELAY				
TROUBLE TESTS				
040-660-701 (1/0)	2.01	OPERATE & RELEASE TIMING REQTS	TT	-----
20.29 RELAYS; KS-13782 & KS-13977 THRM RELAY				
TROUBLE TESTS				
040-660-701 (1/0)	2.01	OPERATE & RELEASE TIMING REQTS	TT	-----
20.30 RELAYS; KS-13991 & KS-14082 THRM RELAY				
TROUBLE TESTS				
040-660-701 (1/0)	2.01	OPERATE & RELEASE TIMING REQTS	TT	-----
20.31 RELAYS; KS-13767				
TROUBLE TESTS				
040-661-701 (1/0)	2.01	RELAY MTG	TT	-----
	2.02	CONTACT SURFACES	TT	-----
	2.03	CONTACT ALNMT	TT	-----
	2.04	CONTACT SEPN	TT	-----
	2.05	ELECTRICAL REQTS	TT	-----
20.32 RELAYS; KS-14499 POLZD RELAY				
TROUBLE TESTS				
040-662-701 (1/0)	2.01	CONTACTS CLEANING	TT	-----

040-662-701 (1/0)	2.02	RELAY MTG	TT	-----
	2.03	CONTACT ALNMT	TT	-----
	2.04	CONTACT ADJG SCREW & STOP SCREW TYTNS	TT	-----
	2.05	RESISTOR RESISTANCE	TT	-----
	2.06	CONTACT SEPN	TT	-----
	2.07	CONTACTS & ASSOCD STOP SCREWS CLRNC	TT	-----
	2.08	ELECTRICAL REQTS	TT	-----
20.33 RELAYS; KS-15516 TYPE CONTROL RELAY				
TROUBLE TESTS				
040-666-701 (1/1)	2.01	CONTACTS CLEANING & RMVG BUILDUP	TT	-----
	2.02	RELAY MTG & TYTNS OF CPNT	TT	-----
	2.03	CONTACT ALNMT	TT	-----
	2.04	CONTACT SEQ	TT	-----
	2.05	CONTACT SEPN	TT	-----
	2.06	CONTACT PRESSURE	TT	-----
	2.07	ARMTR FREEDOM OF OPRN	TT	-----
	2.08	ELECTRICAL REQTS	TT	-----
20.34 RELAYS; KS-15517 & KS-15726 CONT RELAY				
TROUBLE TESTS				
040-667-701 (3/0)	2.01	RELAY MTG & TYTNS OF ASSEMBLY	TT	-----
	2.02	ARMTR FREEDOM OF OPRN	TT	-----
	2.03	CLEANING CONTACTS	TT	-----
	2.04	CONTACT ALNMT	TT	-----
	2.05	CONTACT SEPN	TT	-----
	2.06	CONTACT SEQ	TT	-----
	2.07	CONTACT PRESSURE	TT	-----
	2.08	ELECTRICAL REQTS	TT	-----
	2.09	TEMPERATURE	TT	-----
20.35 RELAYS; KS-15518 THRM TM-DELAY RELAY				
TROUBLE TESTS				
040-668-701 (3/0)	2.01	RELAY MTG & TYTNS OF ASSEMBLY	TT	-----
	2.02	CONTACT SURFACES	TT	-----
	2.03	ELECTRICAL REQTS	TT	-----
20.36 RELAYS; KS-15519 TYPE CONT RELAY				
TROUBLE TESTS				
040-669-701 (1/1)	2.01	CONTACTS CLEANING & RMVG BUILDUP	TT	-----
	2.02	RELAY MTG & TYTNS OF CPNT	TT	-----
	2.03	CONTACT ALNMT	TT	-----
	2.04	CONTACT SEPN	TT	-----
	2.05	CONTACT PRESSURE	TT	-----
	2.06	ARMTR FREEDOM OF OPRN	TT	-----

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040-669-701 (1/1)	2.07	ELECTRICAL REQTS	TT	-----
20.37 RELAYS; KS-15528 & KS-15756 CONT RELAY				
TROUBLE TESTS				
040-670-701 (1/0)	2.01	RELAY MTG & TYNS OF ASSEMBLY	TT	-----
	2.02	CLEANING CONTACTS	TT	-----
	2.03	CONTACT ALNMT	TT	-----
	2.04	CONTACT SEQ	TT	-----
	2.05	CONTACT SEPN	TT	-----
	2.06	CONTACT PRESSURE	TT	-----
	2.07	ARMTR FREEDOM OF OPRN	TT	-----
	2.08	ELECTRICAL REQTS	TT	-----
	2.09	COILS & CONTACT TEMPERATURE	TT	-----
20.38 RELAYS; KS-15623 THRM OVLD RELAY				
TROUBLE TESTS				
040-672-701 (1/0)	2.01	RELAY MTG	TT	-----
	2.02	CONTACT SURFACES	TT	-----
	2.03	CONTACT PRESSURE	TT	-----
	2.04	CONTACT CLRNC	TT	-----
	2.05	TIMING	TT	-----
	2.06	RELAY REQTS	TT	-----
	2.07	COILS & CONTACT TEMPERATURE	TT	-----
20.39 RELAYS; KS-15863 CONT RELAY				
TROUBLE TESTS				
040-673-701 (1/0)	2.01	RELAY MTG & TYNS OF ASSEMBLY	TT	-----
	2.02	CLEANING CONTACTS	TT	-----
	2.03	CONTACT ALNMT	TT	-----
	2.04	CONTACT SEQ	TT	-----
	2.05	CONTACT SEPN	TT	-----
	2.06	CONTACT PRESSURE	TT	-----
	2.07	ARMTR FREEDOM OF OPRN	TT	-----
	2.08	ELECTRICAL REQTS	TT	-----
	2.09	COILS & CONTACT TEMPERATURE	TT	-----
20.40 RELAYS; KS-16022, KS-16195 & KS-16388 THRM RELAY				
TROUBLE TESTS				
040-674-701 (2/0)	2.01	TIMING REQTS	TT	-----
	2.02	ELECTRICAL REQTS	TT	-----
20.41 RELAYS; KS-16620 L1				
TROUBLE TESTS				
040-675-701 (1/0)	2.01	CLEANING CONTACTS	TT	-----
	2.02	RELAY MTG	TT	-----
	2.03	CONTACT ALNMT	TT	-----

040-675-701 (1/0)	2.04	ARMTR FREEDOM OF MVMT	TT	-----
	2.05	CONTACT SEPN	TT	-----
	2.06	CONTACT PRESSURE	TT	-----
	2.07	STUD GAP	TT	-----
	2.08	ELECTRICAL REQ	TT	-----
20.42 RELAYS; DASHPOT TYPE				
TROUBLE TESTS				
040-801-701 (2/0)	2.01	CONTACTS CLEANING	TT	-----
	2.02	DASHPOT OIL SUPPLY	TT	-----
	2.03	COVER SPG TENSION	TT	-----
	2.04	OPRG LEVER MVMT	TT	-----
	2.05	CONTACT ALNMT	TT	-----
	2.06	CONTACT SEPN	TT	-----
	2.07	CONTACT FOLLOW	TT	-----
	2.08	SPG ALNMT	TT	-----
	2.09	OPRG LEVER CLRNC	TT	-----
	2.10	PLUNGER STROKE	TT	-----
	2.11	SPEED	TT	-----
	2.12	FRICTION LOCK TYTNS	TT	-----
20.43 RELAYS; A.E.CO. HIGH-LOW VOLTAGE RELAY				
TROUBLE TESTS				
040-802-701 (1/0)	2.1	TEST REQTS	TT	-----
20.44 RELAYS; A.S.CO. W/O KS DESIG				
TROUBLE TESTS				
040-804-701 (1/1)	2.01	CONTACTS CLEANING & RMVG BUILDUP	TT	-----
	2.02	RELAY MTG & TYTNS OF CPNT	TT	-----
	2.03	CONTACT ALNMT	TT	-----
	2.04	CONTACT SEQ	TT	-----
	2.05	CONTACT SEPN	TT	-----
	2.06	CONTACT PRESSURE	TT	-----
	2.07	ARMTR FREEDOM OF OPRN	TT	-----
	2.08	ELECTRICAL REQTS	TT	-----
20.45 RELAYS; A.E.CO. HORZ-TYPE				
TROUBLE TESTS				
040-803-701 (2/0)	2.01	CLEANING CONTACTS	TT	-----
	2.02	RELAY MTG	TT	-----
	2.03	RELAY VERTICAL CLRNC	TT	-----
	2.04	CONTACT ALNMT	TT	-----
	2.05	ARMTR MVMT	TT	-----
	2.06	RESIDUAL AIRGAP	TT	-----
	2.07	HEELPIECE AIRGAP	TT	-----

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040-803-701 (2/0)	2.08	ARMTR TRAVEL	TT	-----
	2.09	STUD GAP	TT	-----
	2.10	RSTRG SPG TENSION	TT	-----
	2.11	STRSNS OF SPG	TT	-----
	2.12	SPG GAUGING	TT	-----
	2.13	ELECTRICAL REQTS	TT	-----
20.46 RELAYS; STRUTHER-DUNN W/O KS DESIG				
TROUBLE TESTS				
040-810-701 (2/1)	2.01	CLEANING CONTACTS & RMVG BUILDUP	TT	-----
	2.02	RELAY MTG & TYTNS OF CPNT	TT	-----
	2.03	CONTACT ALNMT	TT	-----
	2.04	CONTACT SEQ	TT	-----
	2.05	CONTACT SEPN	TT	-----
	2.06	SPG CLRNC	TT	-----
	2.07	CONTACT PRESSURE	TT	-----
	2.08	ARMTR FREEDOM OF OPRN	TT	-----
	2.09	ELECTRICAL REQTS	TT	-----
20.47 RELAYS; W.L.CO, A-B CO & WEST. CORP. W/O KS DESIG				
TROUBLE TESTS				
040-811-701 (1/1)	2.01	CONTACTS CLEANING & RMVG BUILDUP	TT	-----
	2.02	RELAY MTG & TYTNS OF CPNT	TT	-----
	2.03	CONTACT ALNMT	TT	-----
	2.04	CONTACT SEQ	TT	-----
	2.05	CONTACT SEPN	TT	-----
	2.06	CONTACT PRESSURE & FOLLOW	TT	-----
	2.07	ELECTRICAL REQTS	TT	-----
20.48 RELAYS; KS-3067, KS-5013 & KS-5483				
TROUBLE TESTS				
040-816-701 (11/0)	2.01	SPG ASSEMBLY & ARMTR BACKSTOP TYTNS	TT	-----
	2.02	CONTACT SURFACE	TT	-----
	2.03	CONTACT ALNMT	TT	-----
	2.04	CONTACT SEQ	TT	-----
	2.05	CONTACT PRESSURE	TT	-----
	2.06	CONTACT GAP	TT	-----
	2.07	RELAY MTG	TT	-----
	2.08	ELECTRICAL REQTS	TT	-----
20.49 RELAYS; KS-5635, KS-6319 & KS-6724				
TROUBLE TESTS				
040-816-701 (11/0)	2.01	SPG ASSEMBLY & ARMTR BACKSTOP TYTNS	TT	-----
	2.02	CONTACT SURFACE	TT	-----
	2.03	CONTACT ALNMT	TT	-----

040-816-701 (11/0)	2.04	CONTACT SEQ	TT	-----
	2.05	CONTACT PRESSURE	TT	-----
	2.06	CONTACT GAP	TT	-----
	2.07	RELAY MTG	TT	-----
	2.08	ELECTRICAL REQTS	TT	-----
20.50 RELAYS; KS-15601				
TROUBLE TESTS				
040-816-701 (11/0)	2.01	SPG ASSEMBLY & ARMTR BACKSTOP TYTNS	TT	-----
	2.02	CONTACT SURFACE	TT	-----
	2.03	CONTACT ALNMT	TT	-----
	2.04	CONTACT SEQ	TT	-----
	2.05	CONTACT PRESSURE	TT	-----
	2.06	CONTACT GAP	TT	-----
	2.07	RELAY MTG	TT	-----
	2.08	ELECTRICAL REQTS	TT	-----
20.51 RELAYS; KS-5381 & KS-8854 RELAY SETS				
TROUBLE TESTS				
040-816-701 (11/0)	2.01	SPG ASSEMBLY & ARMTR BACKSTOP TYTNS	TT	-----
	2.02	CONTACT SURFACE	TT	-----
	2.03	CONTACT ALNMT	TT	-----
	2.04	CONTACT SEQ	TT	-----
	2.05	CONTACT PRESSURE	TT	-----
	2.06	CONTACT GAP	TT	-----
	2.07	RELAY MTG	TT	-----
	2.08	ELECTRICAL REQTS	TT	-----
20.52 RELAYS; STRBG-CRLSN 194-TYPE				
TROUBLE TESTS				
040-821-701 (4/0)	2.01	CONTACTS CLEANING	TT	-----
	2.02	CONTACT ALNMT	TT	-----
	2.03	SPG ASSEMBLY TYTNS	TT	-----
	2.04	SPG STRTNS	TT	-----
	2.05	ARMTR TRAVEL	TT	-----
	2.06	CONTACT PRESSURE	TT	-----
	2.07	CONTACT SEPN	TT	-----
	2.08	ELECTRICAL REQTS	TT	-----
	2.09	RELAY MTG	TT	-----
	2.10	OPRD ARMTR AIR GAP	TT	-----
040-970-701 (1/0)	1.01	(1.01 - 1.12) STRBG-CRLSN TYPE RELAY REQTS	TT	-----
		CONDENSED SECTION		
20.53 RELAYS; STRBG-CRLSN 207, 228 & 244-TYPE				
TROUBLE TESTS				

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040-821-701 (4/0)	2.01	CONTACTS CLEANING	TT	-----
	2.02	CONTACT ALNMT	TT	-----
	2.03	SPG ASSEMBLY TYTNS	TT	-----
	2.04	SPG STRTNS	TT	-----
	2.05	ARMTR TRAVEL	TT	-----
	2.06	CONTACT PRESSURE	TT	-----
	2.07	CONTACT SEPN	TT	-----
	2.08	ELECTRICAL REQTS	TT	-----
	2.11	RELAY MTG	TT	-----
	2.12	COVER NUT TYTNS	TT	-----
	2.13	COVER TYTNS	TT	-----
	2.14	STUD & STOP CLRNC	TT	-----
	2.15	SPG SEPN	TT	-----
	2.16	RTNG SCREWS TYTNS	TT	-----
	2.17	ARMTR FREEDOM OF MVMT	TT	-----
	2.18	KS-7744 SEPR APPL	TT	-----
	2.19	RESIDUAL AIR GAP	TT	-----
	2.20	STUD GAP	TT	-----
	2.21	CONTACT FOLLOW	TT	-----
	1.01	(1.01 - 1.12) STRBG-CRLSN TYPE RELAY REQTS CONDENSED SECTION	TT	-----

20.54 RELAYS; STRBG-CRLSN 245, 253 & 257-TYPE

TROUBLE TESTS

040-821-701 (4/0)	2.01	CONTACTS CLEANING	TT	-----
	2.02	CONTACT ALNMT	TT	-----
	2.03	SPG ASSEMBLY TYTNS	TT	-----
	2.04	SPG STRTNS	TT	-----
	2.05	ARMTR TRAVEL	TT	-----
	2.06	CONTACT PRESSURE	TT	-----
	2.07	CONTACT SEPN	TT	-----
	2.08	ELECTRICAL REQTS	TT	-----
	2.11	RELAY MTG	TT	-----
	2.12	COVER NUT TYTNS	TT	-----
	2.13	COVER TYTNS	TT	-----
	2.14	STUD & STOP CLRNC	TT	-----
	2.15	SPG SEPN	TT	-----
	2.16	RTNG SCREWS TYTNS	TT	-----
	2.17	ARMTR FREEDOM OF MVMT	TT	-----
	2.18	KS-7744 SEPR APPL	TT	-----
	2.19	RESIDUAL AIR GAP	TT	-----
	2.20	STUD GAP	TT	-----

040-821-701 (4/0)	2.21	CONTACT FOLLOW	TT	-----
040-970-701 (1/0)	1.01	(1.01 - 1.12) STRBG-CRLSN TYPE RELAY REQTS CONDENSED SECTION	TT	-----

20.55 RELAYS; STRBG-CRLSN 263 & 285-TYPE

TROUBLE TESTS

040-821-701 (4/0)	2.01	CONTACTS CLEANING	TT	-----
	2.02	CONTACT ALNMT	TT	-----
	2.03	SPG ASSEMBLY TYTNS	TT	-----
	2.04	SPG STRTNS	TT	-----
	2.05	ARMTR TRAVEL	TT	-----
	2.06	CONTACT PRESSURE	TT	-----
	2.07	CONTACT SEPN	TT	-----
	2.08	ELECTRICAL REQTS	TT	-----
	2.11	RELAY MTG	TT	-----
	2.12	COVER NUT TYTNS	TT	-----
	2.13	COVER TYTNS	TT	-----
	2.14	STUD & STOP CLRNC	TT	-----
	2.15	SPG SEPN	TT	-----
	2.16	RTNG SCREWS TYTNS	TT	-----
	2.17	ARMTR FREEDOM OF MVMT	TT	-----
	2.18	KS-7744 SEPR APPL	TT	-----
	2.19	RESIDUAL AIR GAP	TT	-----
	2.20	STUD GAP	TT	-----
	2.21	CONTACT FOLLOW	TT	-----
040-970-701 (1/0)	1.01	(1.01 - 1.12) STRBG-CRLSN TYPE RELAY REQTS CONDENSED SECTION	TT	-----

20.56 RELAYS; STRBG-CRLSN 366-TYPE

TROUBLE TESTS

040-821-701 (4/0)	2.01	CONTACTS CLEANING	TT	-----
	2.02	CONTACT ALNMT	TT	-----
	2.03	SPG ASSEMBLY TYTNS	TT	-----
	2.04	SPG STRTNS	TT	-----
	2.05	ARMTR TRAVEL	TT	-----
	2.06	CONTACT PRESSURE	TT	-----
	2.07	CONTACT SEPN	TT	-----
	2.08	ELECTRICAL REQTS	TT	-----
	2.22	RELAY MTG	TT	-----
	2.23	COVER NUT TYTNS	TT	-----
	2.24	ARMTR YOKE TYTNS	TT	-----
	2.25	SPG SEPN	TT	-----
	2.26	ADJG SCREWS TYTNS	TT	-----
	2.27	ARMTR FREEDOM OF MVMT	TT	-----

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040-821-701	(4/0)	2.28	ARMTR & YOKE CLRNC	TT	-----
		2.29	KS-7743 SEPR APPL	TT	-----
		2.30	OPRD ARMTR AIR GAP	TT	-----
		2.31	STUD GAP	TT	-----
040-970-701	(1/0)	1.01	(1.01 - 1.12) STRBG-CRLSN TYPE RELAY REQTS CONDENSED SECTION	TT	-----
20.57 RELAYS; WESTON 705, 723, 813 & 1035 METER-TYPE					
TROUBLE TESTS					
040-826-701	(6/0)	2.01	RELAY & COVER MTG	TT	-----
		2.02	POINTER FREEDOM OF MVMT	TT	-----
		2.03	POINTER SETTING	TT	-----
		2.04	ELECTRICAL REQTS	TT	-----
		2.05	SOLENOID OPRN	TT	-----
20.58 RELAYS; LFE 281-M-II & 281-M-III METER-TYPE					
TROUBLE TESTS					
040-826-701	(6/0)	2.01	RELAY & COVER MTG	TT	-----
		2.02	POINTER FREEDOM OF MVMT	TT	-----
		2.03	POINTER SETTING	TT	-----
		2.04	ELECTRICAL REQTS	TT	-----
		2.05	SOLENOID OPRN	TT	-----
20.59 RELAYS; LFE 385-M, 391-M & 723-M METER-TYPE					
TROUBLE TESTS					
040-826-701	(6/0)	2.01	RELAY & COVER MTG	TT	-----
		2.02	POINTER FREEDOM OF MVMT	TT	-----
		2.03	POINTER SETTING	TT	-----
		2.04	ELECTRICAL REQTS	TT	-----
		2.05	SOLENOID OPRN	TT	-----
20.60 RELAYS; 245, 254, 263 & 264-TYPE					
TROUBLE TESTS					
040-247-701	(5/1)	2.01	CONTACTS CLEANING	TT	-----
		2.02	RELAY & RELAY MAGNET MTG	TT	-----
		2.03	RTNG SPG TENSION	TT	-----
		2.04	ARMTR FREEDOM OF MVMT	TT	-----
		2.05	ARMTR OVERLAP	TT	-----
		2.06	ARMTR BACKSTOP SCREW & POLE PIECE CLRNC	TT	-----
		2.07	ARMTR TRAVEL	TT	-----
		2.08	BACKSTOP SCREW LOCKNUT TYTNS	TT	-----
		2.09	CONTACT ALNMT	TT	-----
		2.10	OPRG SPG TENSION	TT	-----
		2.11	SPG CLRNC	TT	-----
		2.12	CONTACT SEPN	TT	-----

040-247-701 (5/1)	2.13	CONTACT MAKE	TT	-----
	2.14	ELECTRICAL REQTS	TT	-----
20.61 RELAYS; AK-TYPE				
TROUBLE TESTS				
040-504-701 (7/0)	2.01	CONTACTS CLEANING	TT	-----
	2.02	RELAY MTG	TT	-----
	2.03	VERTICAL CLRNC	TT	-----
	2.04	CONTACT COVER TYTNS	TT	-----
	2.05	BALG SPG TENSION	TT	-----
	2.06	ARMTR BACK TENSION	TT	-----
	2.07	MVBL TWIN CONTACT SPG	TT	-----
	2.08	CONTACT MAKE & BREAK	TT	-----
	2.09	CONTACT SEQ	TT	-----
040-931-701 (4/1)	1.01	(1.01 - 1.04) AK-TYPE RELAY REQTS CONDENSED SECTION	TT	-----
20.62 RELAYS; AF, AG & AJ WIRE-SPG TYPE				
TROUBLE TESTS				
040-502-701 (9/2)	2.01	CONTACTS CLEANING	TT	-----
	2.02	RELAY MTG	TT	-----
	2.03	VERTICAL CLRNC	TT	-----
	2.04	CONTACT COVER TYTNS	TT	-----
	2.05	CONTACT COVER CLRNC	TT	-----
	2.06	CROSSTALK SHIELD TYTNS	TT	-----
	2.07	ARMTR POSITION	TT	-----
	2.08	BALG SPG TENSION	TT	-----
	2.09	ARMTR BACK TENSION	TT	-----
	2.10	MVBL TWIN SPG POSITION	TT	-----
	2.11	CONTACT MAKE & BRAKE	TT	-----
	2.12	CONTACT SEQ	TT	-----
	2.13	BUFFER SPG POSITION	TT	-----
	2.14	BUFFER SPG TENSION	TT	-----
	2.15	ELECTRICAL REQTS	TT	-----
	2.16	PURSE RPTG REQTS	TT	-----
	2.17	TIMING REQTS	TT	-----
040-930-701 (6/0)	1.01	(1.01 - 1.08) AF, AG & AJ-TYPE RELAY REQTS CONDENSED SECTION	TT	-----
20.63 RELAYS; B & G-TYPE				
TROUBLE TESTS				
040-506-701 (7/2)	2.01	CONTACTS & RELAY CLEANING	TT	-----
	2.02	RELAY MTG	TT	-----
	2.03	COVER CLRNC	TT	-----
	2.04	COVER GAP	TT	-----

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040-506-701 (7/2)	2.05	CONTACT ALNMT	TT	-----
	2.06	ADJG SCREW TYTNS	TT	-----
	2.07	D-93568 REMVBL PAPER ARMTR STOP APPL	TT	-----
	2.08	P-231534 REMVBL METAL ARMTR STOP POSITION	TT	-----
	2.09	D-95367 REMVBL PAPER BACKSTOP POSITION	TT	-----
	2.10	CONTACT FOLLOW	TT	-----
	2.11	FLEXIBLE FRONT CONTACT SPG POSITION	TT	-----
	2.12	MINIMUM FRONT CONTACT MAKE	TT	-----
	2.13	CONTACT SEPN	TT	-----
	2.14	ARMTR TRAVEL	TT	-----
	2.15	CONTACT SEQ	TT	-----
	2.16	ARMTR & CONTACT SPG #2 CLRNC	TT	-----
	2.17	ARMTR & MOTION LIMITING BRKT CLRNC	TT	-----
	2.18	ADJG SCREWS POSITION	TT	-----
	2.19	ELECTRICAL REQTS	TT	-----
	2.20	ARMTR TENSION SPG POSITION	TT	-----
	2.21	FLASHING REQ T A	TT	-----
	2.22	FLASHING REQ T B	TT	-----
	2.23	FLASHING REQ T C	TT	-----
040-932-701 (3/0)	2.01	(2.01 - 2.11) B & G-TYPE RELAY REQTS CONDENSED SECTION	TT	-----

20.64 RELAYS; U & UA-TYPE

TROUBLE TESTS

040-518-701 (12/0)	2.01	CONTACTS & RELAY CLEANING	TT	-----
	2.02	RELAY MTG	TT	-----
	2.03	VERTICAL CLRNC	TT	-----
	2.04	COVER SPG & GUIDE PRESSURE AND CAP TYTNS	TT	-----
	2.05	CONTACT ALNMT	TT	-----
	2.06	SPG TANG POSITION	TT	-----
	2.07	ADJG STUD CLRNC	TT	-----
	2.08	ADJG NUT TYTNS	TT	-----
	2.09	ADJG NUT LOCKNUT TYTNS	TT	-----
	2.10	D-178259, D-178260 & D-178261 ATTBL SEPR APPL	TT	-----
	2.11	D-180479 & D-180480 ATTBL SEPR APPL	TT	-----
	2.12	ARMTR POSITION	TT	-----
	2.13	ARMTR TRAVEL	TT	-----
	2.14	SPG TENSION	TT	-----
	2.15	POSITION OF X' BUFFER SPG DSGNTD F	TT	-----
	2.16	ARMTR BACK TENSION	TT	-----
	2.17	SPG STUD CLRNC	TT	-----
	2.18	SPG STRTNS	TT	-----

040-518-701 (12/0)	2.19	SPG SEPN	TT	-----
	2.20	STUD GAP	TT	-----
	2.21	CONTACT MAKE	TT	-----
	2.22	CONTACT SEPN	TT	-----
	2.23	CONTACT SEQ	TT	-----
	2.24	ELECTRICAL REQTS	TT	-----
	2.25	PULS-RPTG REQTS	TT	-----
040-937-701 (12/0)	2.01	(2.01 - 2.16) U, Y & UA-TYPES RELAY REQTS CONDENSED SECTION	TT	-----

20.65 RELAYS; E, EA, F, H, R & T-TYPES

TROUBLE TESTS

040-510-701 (9/0)	2.01	CONTACTS & RELAY CLEANING	TT	-----
	2.02	RELAY MTG	TT	-----
	2.03	VERTICAL CLRNC	TT	-----
	2.04	COVER SPG & GUIDE PRESSURE AND CAP TYTNS	TT	-----
	2.05	KS-7246 SEPR APPL	TT	-----
	2.06	ARMTR & ADJG NUT STKG	TT	-----
	2.07	CONTACT ALNMT	TT	-----
	2.08	SPG TANG POSITION	TT	-----
	2.09	ARMTR & SPG STUD CLRNC	TT	-----
	2.10	ADJG STUD CLRNC	TT	-----
	2.11	ADJG NUT TYTNS	TT	-----
	2.12	ADJBL STOP TYTNS	TT	-----
	2.13	ADJBL STOP PIN POSITION	TT	-----
	2.14	ARMTR TRAVEL	TT	-----
	2.15	SPG STRTNS	TT	-----
	2.16	SPG SEPN	TT	-----
	2.17	CONTACT PRESSURE	TT	-----
	2.18	STUD GAP	TT	-----
	2.19	CONTACT SEPN	TT	-----
	2.20	CONTACT FOLLOW	TT	-----
	2.21	SPG SEQ	TT	-----
	2.22	ELECTRICAL REQTS	TT	-----
	2.23	TIMING REQTS	TT	-----
	2.24	PULS-RPTG REQTS	TT	-----
040-933-701 (3/0)	1.01	(1.01 - 1.08) E, EA, F, H, R & T-TYPES RELAY REQTS CONDENSED SECTION	TT	-----

20.66 RELAYS; J-TYPE

TROUBLE TESTS

040-512-701 (8/0)	2.01	CONTACTS & RELAY CLEANING	TT	-----
	2.02	RELAY MTG	TT	-----
	2.03	RELAY COVER CLRNC	TT	-----

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040-512-701 (8/0)	2.04	COVER & COVER CAP TYTNS	TT	-----
	2.05	D-95367 REMVBL PAPER BACKSTOPS APPL	TT	-----
	2.06	CONTACT ALNMT	TT	-----
	2.07	ADJG SCREWS POSITION	TT	-----
	2.08	ADJG SCREWS TYTNS	TT	-----
	2.09	CONTACT SPG TENSION	TT	-----
	2.10	ARMTR TRAVEL	TT	-----
	2.11	CONTACT FOLLOW	TT	-----
	2.12	CONTACT SEPN	TT	-----
	2.13	ARMTR TENSION	TT	-----
	2.14	ELECTRICAL REQTS	TT	-----
	2.15	ARMTR TENSION SPG POSITION	TT	-----
	2.16	POSITION OF SPG ATTD TO ARMTR	TT	-----
	1.01	(1.01 - 1.06) J-TYPE RELAY REQTS CONDENSED SECTION	TT	-----

20.67 RELAYS; L, N & S-TYPES

TROUBLE TESTS

040-514-701 (5/0)	2.01	CONTACTS & RELAY CLEANING	TT	-----
	2.02	RELAY MTG	TT	-----
	2.03	COVER & COVER CAP TYTNS	TT	-----
	2.04	COVER GUIDE POSITION	TT	-----
	2.05	COVER & CONTACT BRKT CLRNC	TT	-----
	2.06	CONTACT ALNMT	TT	-----
	2.07	CONTACT SPG & RETRACTILE SPG CLRNC	TT	-----
	2.08	SCREWS TYTNS	TT	-----
	2.09	ARMTR MVMT	TT	-----
	2.10	CONTACT SCREW BRKT PRESSURE	TT	-----
	2.11	CONTACT SCREW BRKT POSITION	TT	-----
	2.12	BASE GAP	TT	-----
	2.13	CONTACT SPG PRESSURE	TT	-----
	2.14	ARMTR TRAVEL	TT	-----
	2.15	CONTACT SEPN	TT	-----
	2.16	ELECTRICAL REQTS	TT	-----
	1.01	(1.01 - 1.09) L, N & S-TYPE RELAY REQTS CONDENSED SECTION	TT	-----

20.68 RELAYS; M-TYPE

TROUBLE TESTS

040-516-701 (3/0)	2.01	CONTACTS & RELAY CLEANING	TT	-----
	2.02	RELAY MTG	TT	-----
	2.03	ASSY TYTNS	TT	-----
	2.04	CONTACT & SPG ALNMT	TT	-----
	2.05	SPG TANG POSITION	TT	-----

040-516-701 (3/0)	2.06	ARMTR STUD CLRNC	TT	-----
	2.07	ADJG STUD CLRNC	TT	-----
	2.08	ADJG NUT TYTNS	TT	-----
	2.09	ARMTR TRAVEL	TT	-----
	2.10	OPRD ARMTR AIR GAP	TT	-----
	2.11	LATCH & ARMTR STUD GAP	TT	-----
	2.12	LOCKNUT TYTNS	TT	-----
	2.13	LATCH & CONTACT SPG CLRNC	TT	-----
	2.14	ECCENTRIC STOP LKG SCREW TYTNS	TT	-----
	2.15	SPG STRTNS	TT	-----
	2.16	SPG SEPN	TT	-----
	2.17	CONTACT PRESSURE	TT	-----
	2.18	STUD GAP	TT	-----
	2.19	CONTACT SEPN	TT	-----
	2.20	CONTACT FOLLOW	TT	-----
	2.21	SPG SEQ	TT	-----
	2.22	ELECTRICAL REQTS	TT	-----
	2.23	LATCH SPG TENSION	TT	-----
040-516-811 (1/0)	3.01	(3.01 - 3.04) WE LUBG COMP#3 APPL	TT	-----
040-936-701 (2/0)	1.01	(1.01 - 1.13) M-TYPE RELAY REQTS CONDENSED SECTION	TT	-----

20.69 RELAYS; W.E. 253-TYPE

TROUBLE TESTS

040-250-701 (7/0)	2.01	(2.01 - 2.04) ELECTRICAL REQTS	TT	-----
	2.05	CONTACTS & RELAY CLEANING	TT	-----
	2.06	CONTACT ALNMT	TT	-----
	2.07	ARMTR TRAVEL, CONTACT SEPN & CONTACT SPG PRESSURE	TT	-----
040-903-701 (1/0)	1.01	(1.01 - 1.04) W.E. 253-TYPE RELAY REQTS CONDENSED SECTION	TT	-----

20.70 RELAYS; 186-TYPE

TROUBLE TESTS

040-224-701 (6/0)	2.01	CONTACTS & RELAY CLEANING	TT	-----
	2.02	RELAY MTG	TT	-----
	2.03	ARMTR MVMT	TT	-----
	2.04	CONTACT ALNMT	TT	-----
	2.05	D-97950 REMVBL ARMTR STOP APPL	TT	-----
	2.06	FLEXIBLE CONTACT SPG POSITION	TT	-----
	2.07	ARMTR CLRNC	TT	-----
	2.08	CONTRACT SEPN	TT	-----
	2.09	CONTACT FOLLOW	TT	-----
	2.10	ARMTR AIR GAP	TT	-----

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040-224-701	(6/0)	2.11	ELECTRICAL REQTS	TT	-----
040-901-701	(3/0)	1.01	(1.01 - 1.06) 186-TYPE RELAY REQTS CONDENSED SECTION	TT	-----

20.71 RELAYS; 280-TYPE

TROUBLE TESTS

040-267-701	(6/2)	2.01	CONTACTS & RELAY CLEANING	TT	-----
		2.02	RELAY MTG	TT	-----
		2.03	COVER CLRNC	TT	-----
		2.04	COVER CAP	TT	-----
		2.05	FLEXIBLE CONTACT SPG ALNMT	TT	-----
		2.06	BIASING SPG POSITION	TT	-----
		2.07	ARMTR & SPOOL CLRNC	TT	-----
		2.08	CONTACT ALNMT	TT	-----
		2.09	CONTACT SCREWS & BIASING STUD TYTNS	TT	-----
		2.10	POLE-PIECE SCREW TYTNS	TT	-----
		2.11	CONTACT TRAVEL	TT	-----
		2.12	ELECTRICAL REQTS	TT	-----
		2.13	CONTACT MAKE	TT	-----
		2.14	PULSE RPTG REQTS	TT	-----
040-905-701	(3/0)	1.01	(1.01 - 1.07) 280-TYPE RELAY REQTS CONDENSED SECTION	TT	-----

20.72 RELAYS; 271, 282 & 310-TYPE

TROUBLE TESTS

040-260-701	(5/0)	2.01	CONTACTS & RELAY CLEANING	TT	-----
		2.02	RELAY MTG	TT	-----
		2.03	VERTICAL CLRNC	TT	-----
		2.04	COVER SPG & COVER GUIDE PRESSURE AND COVER CAP TYTNS	TT	-----
		2.05	CONTACT ALNMT	TT	-----
		2.06	SPG TANG POSITIONNN	TT	-----
		2.07	ADJG STUD CLRNC	TT	-----
		2.08	ADJG NUT TYTNS	TT	-----
		2.09	ARMTR POSITION	TT	-----
		2.10	ARMTR TRAVEL	TT	-----
		2.11	SPG TENSION	TT	-----
		2.12	POSITION OF X' BUFFER SPG DSGNTD F	TT	-----
		2.13	ARMTR BACK TENSION	TT	-----
		2.14	SPG STUD CLRNC	TT	-----
		2.15	SPG STRTNS	TT	-----
		2.16	SPG SEPN	TT	-----
		2.17	BIMETALLIC CONTACT SPG CLRNC	TT	-----
		2.18	STUD GAP	TT	-----

040-260-701 (5/0)	2.19	CONTACT MAKE	TT	-----
	2.20	CONTACT SEPN	TT	-----
	2.21	CONTACT SEQ	TT	-----
	2.22	ELECTRICAL REQTS	TT	-----
040-904-701 (2/0)	1.01	(1.01 - 1.13) 271, 282 & 310-TYPE RELAY REQTS CONDENSED SECTION	TT	-----
20.73 RELAYS; 206, 227, 231 & 239-TYPE				
TROUBLE TESTS				
040-228-701 (7/0)	2.01	CONTACTS & RELAY CLEANING	TT	-----
	2.02	RELAY MTG	TT	-----
	2.03	COVER CLRNC	TT	-----
	2.04	COVER GAP	TT	-----
	2.05	FLEXIBLE CONTACT SPG ALNMT	TT	-----
	2.06	BIASING SPG POSITION	TT	-----
	2.07	ARMTR & SPOOL CLRNC	TT	-----
	2.08	CONTACT ALNMT	TT	-----
	2.09	CONTACT & BIASING SCREW TYTNS	TT	-----
	2.10	POLE-PIECE SCREW TYTNS	TT	-----
	2.11	CONTACT TRAVEL	TT	-----
	2.12	CONTACT MAKE	TT	-----
	2.13	(2.13 - 2.14) ADJMTS A & B REQTS	TT	-----
	2.15	(2.15 - 2.18) ADJMTS 1 - 13 REQTS	TT	-----
040-902-701 (2/0)	1.01	(1.01 - 1.10) 206, 227, 231 & 239-TYPE RELAY REQTS CONDENSED SECTION	TT	-----