

EQUIPMENT TEST LIST AUTOTRANSFORMERS

CONTENTS	PAGE	CONTENTS	PAGE
1. GENERAL	1	10.19 KS-15594 MAN OPRD	8
10.1 KS-5775 MTR DRVN	2	10.20 KS-15646 MAN OPRD	9
10.2 KS-5657 MAN OPRD	2	10.21 KS-15814 MAN OPRD	9
10.3 KS-5552 MTR DRVN (POWERSTAT)	2	10.22 KS-15831 MAN OPRD	9
10.4 KS-5552 MTR DRVN (TRANSTAT)	3	10.23 KS-15843 MAN OPRD	9
10.5 KS-5621 MTR DRVN	3	10.24 KS-15955 MAN OPRD	9
10.6 KS-5702 MTR DRVN	3		
10.7 KS-15508 MTR DRVN	4	1. GENERAL	
10.8 KS-15581 MTR DRVN	4	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.	
10.9 KS-15583 MTR DRVN	5	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.	
10.10 KS-15585 MTR DRVN	5	1.03 Comments on this section should be made by following the instructions in Bell System Practices (BSP), Section 000-010-015.	
10.11 KS-15680 MTR DRVN	5	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.	
10.12 KS-15682 MTR DRVN	6	1.05 Section 010-300-011 provides Equipment Test List instructions.	
10.13 KS-15683 MTR DRVN	6		
10.14 KS-15684 MTR DRVN	7		
10.15 KS-15685 MTR DRVN	7		
10.16 KS-15779 MTR DRVN	7		
10.17 AUTOTRANSFORMER E/W KS-15908 L1 TYP REG	8		
10.18 AUTOTRANSFORMER E/W KS-15908 L2 TYP REG	8		

NOTICE

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SECTION 028-001-011

10.0 AUTOTRANSFORMERS

10.1 AUTOTRANSFORMERS; KS-5775 MTR DRVN

FOR ALL UNITS

028-706-701 (9/0)	2.01 (A1) LUBRICATE MOTOR BEARINGS	MW 36M	-----
	2.01 (C) LUBRICATE GEAR CASE	MW 36M	-----
	2.01 (D) LUBRICATE EXPOSED GEARS, SPROCKETS, AND DRIVE CHAINS	MW 12M	-----
	2.04 CHECK COMMUTATOR SURFACE CONDITION	MW 12M	-----
	2.06 (A,E) CHECK BRUSH PRESSURE E/W FLAT SPRINGS	MW 12M	-----
	2.06 (B,E) CHECK BRUSH PRESSURE E/W PREBENT SPRINGS	MW 12M	-----

TROUBLE TESTS

028-706-701 (9/0)	2.01 (B) LUBRICATE SHAFT BEARINGS	TT	-----
	2.02 (A,B) FREEDOM OF ROTATION	TT	-----
	2.03 SLIP RING SURFACE CONDITION	TT	-----
	2.05 (A) BRUSH/COMMUTATOR CONTACT	TT	-----
	2.07 BRUSH SPRINGS/RADIATOR CLRNC	TT	-----
	2.10 (B,I) LIMIT SWITCHES OPRN	TT	-----
	2.11 FUSE WIRE	TT	-----
	2.12 (A4) TEMPERATURE	TT	-----

10.2 AUTOTRANSFORMERS; KS-5657 MAN OPRD

TROUBLE TESTS

028-705-701 (4/1)	2.01 BRUSH ASSEMBLY FREEDOM OF ROTATION	TT	-----
	2.02 BRUSH HLDR FREEDOM OF MVMT	TT	-----
	2.03 BRUSH CONTACT & COMMUTATOR SURFACE CONDITION	TT	-----
	2.04 CONTACT BUTTON SPRING SUPPORT & CONTACT BUTTON SPRING CLRNC	TT	-----
	2.06 BRUSH HLDR LUGS & BRUSH HLDR MTG PLATE CLRNC	TT	-----
	2.07 (1) BRUSH HLDR LUGS & RADIATOR CLRNC	TT	-----
	2.09 COMMUTATOR SURFACE & BRUSH HLDR CLRNC	TT	-----
	2.10 (A,B) BRUSH PRESSURE AT HVG INTERNAL SPRING BRUSH ASSEMBLY	TT	-----
	2.14 WINDING TEMPERATURE	TT	-----

10.3 AUTOTRANSFORMERS; KS-5552 MTR DRVN (POWERSTAT)

FOR ALL UNITS

028-706-701 (9/0)	2.01 (D) LUBRICATE EXPOSED GEARS, SPROCKETS & DRIVE CHAINS	MW 12M	-----
	2.04 CHECK COMMUTATOR SURFACE CONDITION	MW 12M	-----
	2.06 (A,E) CHECK BRUSH PRESSURE E/W FLAT SPRINGS	MW 12M	-----
	2.06 (B,E) CHECK BRUSH PRESSURE E/W PREBENT SPRINGS	MW 12M	-----

TROUBLE TESTS

028-706-701 (9/0)	2.01 (B) LUBRICATE SHAFT BEARINGS	TT	-----
	2.02 (A,B) FREEDOM OF ROTATION	TT	-----

028-706-701 (9/0)	2.03	SLIP RING SURFACE CONDITION	TT	-----
	2.05	(A) BRUSH/COMMUTATOR CONTACT	TT	-----
	2.07	BRUSH SPRINGS/RADIATOR CLRNC	TT	-----
	2.10	(A,H) LIMIT SWITCHES OPRN	TT	-----
	2.11	FUSE WIRE	TT	-----
	2.12	(A1) TEMPERATURE	TT	-----
10.4 AUTOTRANSFORMERS; KS-5552 MTR DRVN (TRANSTAT)				
FOR ALL UNITS				
028-706-701 (9/0)	2.01	(D) LUBRICATE EXPOSED GEARS, SPROCKETS & DRIVE CHAINS	MW 12M	-----
	2.04	CHECK COMMUTATOR SURFACE CONDITION	MW 12M	-----
	2.06	(C) CHECK BRUSH PRESSURE	MW 6M	-----
TROUBLE TESTS				
028-706-701 (9/0)	2.01	(B) LUBRICATE SHAFT BEARINGS	TT	-----
	2.02	(A,B) FREEDOM OF ROTATION	TT	-----
	2.03	SLIP RING SURFACE CONDITION	TT	-----
	2.05	(B) BRUSH/COMMUTATOR CONTACT	TT	-----
	2.08	BRUSH HLDR/COMMUTATOR BAND CLRNC	TT	-----
	2.10	(A,H) LIMIT SWITCHES OPRN	TT	-----
	2.11	FUSE WIRE	TT	-----
	2.12	(A1) TEMPERATURE	TT	-----
10.5 AUTOTRANSFORMERS; KS-5621 MTR DRVN				
FOR ALL UNITS				
028-706-701 (9/0)	2.01	(A3) LUBRICATE MOTOR BEARINGS	MW 12M	-----
	2.01	(D) LUBRICATE EXPOSED GEARS, SPROCKETS & DRIVE CHAINS	MW 12M	-----
	2.04	CHECK COMMUTATOR SURFACE CONDITION	MW 12M	-----
	2.06	(A,E) CHECK BRUSH PRESSURE E/W FLAT SPRINGS	MW 12M	-----
	2.06	(B,E) CHECK BRUSH PRESSURE E/W PREBENT SPRINGS	MW 12M	-----
TROUBLE TESTS				
028-706-701 (9/0)	2.01	(B) LUBRICATE SHAFT BEARINGS	TT	-----
	2.02	(A,C) FREEDOM OF ROTATION	TT	-----
	2.03	SLIP RING SURFACE CONDITION	TT	-----
	2.05	(A) BRUSH/COMMUTATOR CONTACT	TT	-----
	2.07	BRUSH SPRINGS/RADIATOR CLRNC	TT	-----
	2.10	(A,H) LIMIT SWITCHES OPRN	TT	-----
	2.11	FUSE WIRE	TT	-----
	2.12	(A2) TEMPERATURE	TT	-----
10.6 AUTOTRANSFORMERS; KS-5702 MTR DRVN				
FOR ALL UNITS				
028-706-701 (9/0)	2.01	(A3) LUBRICATE MOTOR BEARINGS	MW 12M	-----

SECTION 028-001-011

028-706-701	(9/0)	2.01	(D) LUBRICATE EXPOSED GEARS, SPROCKETS & DRIVE CHAINS	MW 12M	-----
		2.04	CHECK COMMUTATOR SURFACE CONDITION	MW 12M	-----
		2.06	(A,E) CHECK BRUSH PRESSURE E/W FLAT SPRINGS	MW 12M	-----
		2.06	(B,E) CHECK BRUSH PRESSURE E/W PREBENT SPRINGS	MW 12M	-----

TROUBLE TESTS

028-706-701	(9/0)	2.02	(A,C) FREEDOM OF ROTATION	TT	-----
		2.03	SLIP RING SURFACE CONDITION	TT	-----
		2.05	(A) BRUSH/COMMUTATOR CONTACT	TT	-----
		2.07	BRUSH SPRINGS/RADIATOR CLRNC	TT	-----
		2.10	(A,H) LIMIT SWITCHES OPRN	TT	-----
		2.11	FUSE WIRE	TT	-----
		2.12	(A3) TEMPERATURE	TT	-----

10.7 AUTOTRANSFORMERS; KS-15508 MTR DRVN

FOR ALL UNITS

028-706-701	(9/0)	2.01	(A3) LUBRICATE MOTOR BEARINGS	MW 12M	-----
		2.01	(D) LUBRICATE EXPOSED GEARS, SPROCKETS & DRIVE CHAINS	MW 12M	-----
		2.04	CHECK COMMUTATOR SURFACE CONDITION	MW 12M	-----
		2.06	(A,E) CHECK BRUSH PRESSURE E/W FLAT SPRINGS	MW 12M	-----
		2.06	(B,E) CHECK BRUSH PRESSURE E/W PREBENT SPRINGS	MW 12M	-----

TROUBLE TESTS

028-706-701	(9/0)	2.02	(A,C) FREEDOM OF ROTATION	TT	-----
		2.03	SLIP RING SURFACE CONDITION	TT	-----
		2.05	(A) BRUSH/COMMUTATOR CONTACT	TT	-----
		2.07	BRUSH SPRINGS/RADIATOR CLRNC	TT	-----
		2.10	(A,H) LIMIT SWITCHES OPRN	TT	-----
		2.11	FUSE WIRE	TT	-----
		2.12	(A1) TEMPERATURE	TT	-----

10.8 AUTOTRANSFORMERS; KS-15581 MTR DRVN

FOR ALL UNITS

028-706-701	(9/0)	2.01	(A2) LUBRICATE MOTOR BEARINGS	MW 12M	-----
		2.01	(C) LUBRICATE GEAR CASE	MW 36M	-----
		2.01	(D) LUBRICATE EXPOSED GEARS, SPROCKETS & DRIVE CHAINS	MW 12M	-----
		2.04	CHECK COMMUTATOR SURFACE CONDITION	MW 12M	-----
		2.06	(A,E) CHECK BRUSH PRESSURE E/W FLAT SPRINGS	MW 12M	-----
		2.06	(B,E) CHECK BRUSH PRESSURE E/W PREBENT SPRINGS	MW 12M	-----

TROUBLE TESTS

028-706-701	(9/0)	2.02	(A,B) FREEDOM OF ROTATION	TT	-----
		2.03	SLIP RING SURFACE CONDITION	TT	-----

028-706-701 (9/0)	2.05	(A) BRUSH/COMMUTATOR CONTACT	TT	-----
	2.07	BRUSH SPRINGS/RADIATOR CLRNC	TT	-----
	2.10	(C,I) LIMIT SWITCHES OPRN	TT	-----
	2.11	FUSE WIRE	TT	-----
	2.12	(A4) TEMPERATURE	TT	-----
10.9 AUTOTRANSFORMERS; KS-15583 MTR DRVN				
FOR ALL UNITS				
028-706-701 (9/0)	2.01	(A1) LUBRICATE MOTOR BEARINGS	MW 36M	-----
	2.01	(C) LUBRICATE GEAR CASE	MW 36M	-----
	2.01	(D) LUBRICATE EXPOSED GEARS, SPROCKETS & DRIVE CHAINS	MW 12M	-----
	2.04	CHECK COMMUTATOR SURFACE CONDITION	MW 12M	-----
	2.06	(A,E) CHECK BRUSH PRESSURE E/W FLAT SPRINGS	MW 12M	-----
	2.06	(B,E) CHECK BRUSH PRESSURE E/W PREBENT SPRINGS	MW 12M	-----
TROUBLE TESTS				
028-706-701 (9/0)	2.02	(A,B) FREEDOM OF ROTATION	TT	-----
	2.03	SLIP RING SURFACE CONDITION	TT	-----
	2.05	(A) BRUSH/COMMUTATOR CONTACT	TT	-----
	2.07	BRUSH SPRINGS/RADIATOR CLRNC	TT	-----
	2.10	(D,H) LIMIT SWITCHES OPRN	TT	-----
	2.11	FUSE WIRE	TT	-----
	2.12	(A5) TEMPERATURE	TT	-----
10.10 AUTOTRANSFORMERS; KS-15585 MTR DRVN				
FOR ALL UNITS				
028-706-701 (9/0)	2.01	(D) LUBRICATE EXPOSED GEARS, SPROCKETS & DRIVE CHAINS	MW 12M	-----
	2.04	CHECK COMMUTATOR SURFACE CONDITION	MW 12M	-----
	2.06	(A,E) CHECK BRUSH PRESSURE E/W FLAT SPRINGS	MW 12M	-----
	2.06	(B,E) CHECK BRUSH PRESSURE E/W PREBENT SPRINGS	MW 12M	-----
TROUBLE TESTS				
028-706-701 (9/0)	2.02	(A,B) FREEDOM OF ROTATION	TT	-----
	2.03	SLIP RING SURFACE CONDITION	TT	-----
	2.05	(A) BRUSH/COMMUTATOR CONTACT	TT	-----
	2.07	BRUSH SPRINGS/RADIATOR CLRNC	TT	-----
	2.10	(A,H) LIMIT SWITCHES OPRN	TT	-----
	2.11	FUSE WIRE	TT	-----
	2.12	(A1) TEMPERATURE	TT	-----
10.11 AUTOTRANSFORMERS; KS-15680 MTR DRVN				
FOR ALL UNITS				
028-706-701 (9/0)	2.01	(D) LUBRICATE EXPOSED GEARS, SPROCKETS & DRIVE CHAINS	MW 12M	-----

SECTION 028-001-011

028-706-701	(9/0)	2.04	CHECK COMMUTATOR SURFACE CONDITION	MW	12M	-----
		2.06	(B,E) CHECK BRUSH PRESSURE E/W PREBENT SPRINGS	MW	12M	-----

TROUBLE TESTS

028-706-701	(9/0)	2.02	(A,B) FREEDOM OF ROTATION	TT		-----
		2.03	SLIP RING SURFACE CONDITION	TT		-----
		2.05	(A) BRUSH/COMMUTATOR CONTACT	TT		-----
		2.07	BRUSH SPRINGS/RADIATOR CLRNC	TT		-----
		2.10	(A,H) LIMIT SWITCHES OPRN	TT		-----
		2.11	FUSE WIRE	TT		-----
		2.12	(A1) TEMPERATURE	TT		-----

10.12 AUTOTRANSFORMERS; KS-15682 MTR DRVN

FOR ALL UNITS

028-706-701	(9/0)	2.01	(A2) LUBRICATE MOTOR BEARINGS	MW	36M	-----
		2.01	(C) LUBRICATE GEAR CASE	MW	36M	-----
		2.01	(D) LUBRICATE EXPOSED GEARS, SPROCKETS & DRIVE CHAINS	MW	12M	-----
		2.04	CHECK COMMUTATOR SURFACE CONDITION	MW	12M	-----
		2.06	(B,E) CHECK BRUSH PRESSURE E/W PREBENT SPRINGS	MW	12M	-----

TROUBLE TESTS

028-706-701	(9/0)	2.02	(A,B) FREEDOM OF ROTATION	TT		-----
		2.03	SLIP RING SURFACE CONDITION	TT		-----
		2.05	(A) BRUSH/COMMUTATOR CONTACT	TT		-----
		2.07	BRUSH SPRINGS/RADIATOR CLRNC	TT		-----
		2.10	(E,I) LIMIT SWITCHES OPRN	TT		-----
		2.11	FUSE WIRE	TT		-----
		2.12	(A4) TEMPERATURE	TT		-----

10.13 AUTOTRANSFORMERS; KS-15683 MTR DRVN

FOR ALL UNITS

028-706-701	(9/0)	2.01	(A1) LUBRICATE MOTOR BEARINGS	MW	36M	-----
		2.01	(C) LUBRICATE GEAR CASE	MW	36M	-----
		2.01	(D) LUBRICATE EXPOSED GEARS, SPROCKETS & DRIVE CHAINS	MW	12M	-----
		2.04	CHECK COMMUTATOR SURFACE CONDITION	MW	12M	-----
		2.06	(B,E) CHECK BRUSH PRESSURE E/W FLAT SPRINGS	MW	12M	-----

TROUBLE TESTS

028-706-701	(9/0)	2.02	(A,B) FREEDOM OF ROTATION	TT		-----
		2.03	SLIP RING SURFACE CONDITION	TT		-----
		2.05	(A) BRUSH/COMMUTATOR CONTACT	TT		-----
		2.07	BRUSH SPRINGS/RADIATOR CLRNC	TT		-----
		2.10	(C,I) LIMIT SWITCHES OPRN	TT		-----
		2.11	FUSE WIRE	TT		-----

028-706-701 (9/0)	2.12 (A4) TEMPERATURE	TT	-----
10.14 AUTOTRANSFORMERS; KS-15684 MTR DRVN			
FOR ALL UNITS			
028-706-701 (9/0)	2.01 (A1) LUBRICATE MOTOR BEARINGS	MW 36M	-----
	2.01 (C) LUBRICATE GEAR CASE	MW 36M	-----
	2.01 (D) LUBRICATE EXPOSED GEARS, SPROCKETS & DRIVE CHAINS	MW 12M	-----
	2.04 CHECK COMMUTATOR SURFACE CONDITION	MW 12M	-----
	2.06 (B,E) CHECK BRUSH PRESSURE E/W PREBENT SPRINGS	MW 12M	-----
TROUBLE TESTS			
028-706-701 (9/0)	2.02 (A,B) FREEDOM OF ROTATION	TT	-----
	2.03 SLIP RING SURFACE CONDITION	TT	-----
	2.05 (A) BRUSH/COMMUTATOR CONTACT	TT	-----
	2.07 BRUSH SPRINGS/RADIATOR CLRNC	TT	-----
	2.10 (D,H) LIMIT SWITCHES OPRN	TT	-----
	2.11 FUSE WIRE	TT	-----
	2.12 (A5) TEMPERATURE	TT	-----
10.15 AUTOTRANSFORMERS; KS-15685 MTR DRVN			
FOR ALL UNITS			
028-706-701 (9/0)	2.01 (D) LUBRICATE EXPOSED GEARS, SPROCKETS & DRIVE CHAINS	MW 12M	-----
	2.04 CHECK COMMUTATOR SURFACE CONDITION	MW 12M	-----
	2.06 (B,E) CHECK BRUSH PRESSURE E/W PREBENT SPRINGS	MW 12M	-----
TROUBLE TESTS			
028-706-701 (9/0)	2.02 (A,B) FREEDOM OF ROTATION	TT	-----
	2.03 SLIP RING SURFACE CONDITION	TT	-----
	2.05 (A) BRUSH/COMMUTATOR CONTACT	TT	-----
	2.07 BRUSH SPRINGS/RADIATOR CLRNC	TT	-----
	2.10 (A,H) LIMIT SWITCHES OPRN	TT	-----
	2.11 FUSE WIRE	TT	-----
	2.12 (A1) TEMPERATURE	TT	-----
10.16 AUTOTRANSFORMERS; KS-15779 MTR DRVN			
FOR ALL UNITS			
028-706-701 (9/0)	2.01 (A3) LUBRICATE MOTOR BEARINGS	MW 36M	-----
	2.01 (D) LUBRICATE EXPOSED GEARS, SPROCKETS & DRIVE CHAINS	MW 12M	-----
	2.04 CHECK COMMUTATOR SURFACE CONDITION	MW 12M	-----
	2.06 (B,E) CHECK BRUSH PRESSURE E/W PREBENT SPRINGS	MW 12M	-----
TROUBLE TESTS			
028-706-701 (9/0)	2.02 (A,B) FREEDOM OF ROTATION	TT	-----
	2.03 SLIP RING SURFACE CONDITION	TT	-----

SECTION 028-001-011

028-706-701	(9/0)	2.05	(A) BRUSH/COMMUTATOR CONTACT	TT	-----
		2.07	BRUSH SPRINGS/RADIATOR CLRNC	TT	-----
		2.10	(A,H) LIMIT SWITCHES OPRN	TT	-----
		2.11	FUSE WIRE	TT	-----
		2.12	(A4) TEMPERATURE	TT	-----
10.17 AUTOTRANSFORMERS; AUTOTRANSFORMER E/W KS-15908 L1 TYP REG					
FOR ALL UNITS					
028-706-701	(9/0)	2.01	(A3) LUBRICATE MOTOR BEARINGS	MW 12M	-----
		2.01	(D) LUBRICATE EXPOSED GEARS, SPROCKETS & DRIVE CHAINS	MW 12M	-----
		2.04	CHECK COMMUTATOR SURFACE CONDITION	MW 12M	-----
		2.06	(C) CHECK BRUSH PRESSURE	MW 12M	-----
TROUBLE TESTS					
028-706-701	(9/0)	2.02	(A,B) FREEDOM OF ROTATION	TT	-----
		2.03	SLIP RING SURFACE CONDITION	TT	-----
		2.05	(A) BRUSH/COMMUTATOR CONTACT	TT	-----
		2.10	(F) LIMIT SWITCHES OPRN	TT	-----
		2.11	FUSE WIRE	TT	-----
		2.12	(A6) TEMPERATURE	TT	-----
10.18 AUTOTRANSFORMERS; AUTOTRANSFORMER E/W KS-15908 L2 TYP REG					
FOR ALL UNITS					
028-706-701	(9/0)	2.01	(A3) LUBRICATE MOTOR BEARINGS	MW 12M	-----
		2.01	(D) LUBRICATE EXPOSED GEARS, SPROCKETS & DRIVE CHAINS	MW 12M	-----
		2.04	CHECK COMMUTATOR SURFACE	MW 12M	-----
		2.06	(D) CHECK BRUSH PRESSURE	MW 12M	-----
TROUBLE TESTS					
028-706-701	(9/0)	2.02	(A,B) FREEDOM OF ROTATION	TT	-----
		2.03	SLIP RING SURFACE CONDITION	TT	-----
		2.10	(G) LIMIT SWITCHES OPRN	TT	-----
		2.11	FUSE WIRE	TT	-----
		2.12	(A6) TEMPERATURE	TT	-----
10.19 AUTOTRANSFORMERS; KS-15594 MAN OPRD					
TROUBLE TESTS					
028-705-701	(4/1)	2.01	BRUSH ASSEMBLY FREEDOM OF ROTATION	TT	-----
		2.02	BRUSH HLDR FREEDOM OF MVMT	TT	-----
		2.03	BRUSH CONTACT & COMMUTATOR SURFACE CONDITION	TT	-----
		2.06	BRUSH HLDR LUGS & BRUSH HLDR MTG PLATE CLRNC	TT	-----
		2.07	(1) BRUSH HLDR LUGS & RADIATOR CLRNC	TT	-----
		2.09	COMMUTATOR SURFACE & BRUSH HLDR CLRNC	TT	-----
		2.10	(A,C) BRUSH PRESSURE AT HVG EXTERNAL SPRING BRUSH ASSEMBLY	TT	-----

028-705-701 (4/1)	2.14	WINDING TEMPERATURE	TT	-----
10.20 AUTOTRANSFORMERS; KS-15646 MAN OPRD				
TROUBLE TESTS				
028-705-701 (4/1)	2.01	BRUSH ASSEMBLY FREEDOM OF ROTATION	TT	-----
	2.02	BRUSH HLDR FREEDOM OF MVMT	TT	-----
	2.03	BRUSH CONTACT & COMMUTATOR SURFACE CONDITION	TT	-----
	2.05	SHAFT WASHER & CONTACT BUTTON SPRING CLRNC	TT	-----
	2.08	BRUSH SPRING & RADIATOR CLRNC	TT	-----
	2.09	COMMUTATOR SURFACE & BRUSH HLDR CLRNC	TT	-----
	2.10	(A,D) BRUSH PRESSURE	TT	-----
	2.14	WINDING TEMPERATURE	TT	-----
10.21 AUTOTRANSFORMERS; KS-15814 MAN OPRD				
TROUBLE TESTS				
028-705-701 (4/1)	2.01	BRUSH ASSEMBLY FREEDOM OF ROTATION	TT	-----
	2.03	BRUSH CONTACT & COMMUTATOR SURFACE CONDITION	TT	-----
	2.09	COMMUTATOR SURFACE & BRUSH HLDR CLRNC	TT	-----
	2.10	(A,E) BRUSH PRESSURE	TT	-----
	2.11	BRUSH HLDR ALNMT	TT	-----
	2.14	WINDING TEMPERATURE	TT	-----
10.22 AUTOTRANSFORMERS; KS-15831 MAN OPRD				
TROUBLE TESTS				
028-705-701 (4/1)	2.01	BRUSH ASSEMBLY FREEDOM OF ROTATION	TT	-----
	2.02	BRUSH HLDR FREEDOM OF MVMT	TT	-----
	2.03	BRUSH CONTACT & COMMUTATOR SURFACE CONDITION	TT	-----
	2.09	COMMUTATOR SURFACE & BRUSH HLDR CLRNC	TT	-----
	2.10	(A,B) BRUSH PRESSURE AT HVG INTERNAL SPRING BRUSH ASSEMBLY	TT	-----
	2.12	SHAFT LOCKNUT LOCKING	TT	-----
	2.14	WINDING TEMPERATURE	TT	-----
10.23 AUTOTRANSFORMERS; KS-15843 MAN OPRD				
TROUBLE TESTS				
028-705-701 (4/1)	2.01	BRUSH ASSEMBLY FREEDOM OF ROTATION	TT	-----
	2.03	BRUSH CONTACT & COMMUTATOR SURFACE CONDITION	TT	-----
	2.09	COMMUTATOR SURFACE & BRUSH HLDR CLRNC	TT	-----
	2.10	(A,E) BRUSH PRESSURE	TT	-----
	2.12	SHAFT LOCKNUT LOCKING	TT	-----
	2.14	WINDING TEMPERATURE	TT	-----
10.24 AUTOTRANSFORMERS; KS-15955 MAN OPRD				
TROUBLE TESTS				
028-705-701 (4/1)	2.01	BRUSH ASSEMBLY FREEDOM OF ROTATION	TT	-----
	2.02	BRUSH HLDR FREEDOM OF MVMT	TT	-----

SECTION 028-001-011

028-705-701 (4/1)	2.03	BRUSH CONTACT & COMMUTATOR SURFACE CONDITION	TT	-----
	2.07	(2) BRUSH HLDR LUGS & RADIATOR CLRNC	TT	-----
	2.09	COMMUTATOR SURFACE & BRUSH HLDR CLRNC	TT	-----
	2.10	(A,B) BRUSH PRESSURE AT HVG INTERNAL SPRING BRUSH ASSEMBLY	TT	-----
	2.13	LIMIT SWITCH CAM POSITION	TT	-----
	2.14	WINDING TEMPERATURE	TT	-----