

EQUIPMENT TEST LIST
AC OR DC MOTOR DRIVEN ALTERNATORS
POWER SYSTEMS EQUIPMENT

CONTENTS	PAGE	1. GENERAL
1. GENERAL	1	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.
1.1 COMMERCIAL-TYPE	2	
1.2 KS-5654	2	
1.3 KS-5715	3	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.
1.4 KS-15520 & KS-15626	3	
1.5 KS-15823	4	1.03 Comments on this section should be made by following the instructions in Bell System Practices (BSP), Section 000-010-015.
1.6 KS-15844	4	
1.7 KS-15949	4	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.
1.8 KS-15993 L1, L2	4	
1.9 KS-15994 L1, L2	4	
1.10 KS-15986	5	1.05 Section 010-300-011 provides Equipment Test List instructions.
1.11 KS-15991 L1, L2	5	
1.12 KS-19203 L1 - L4	5	

NOTICE

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

SECTION 155-001-011

1.0 ALT,AC/DC MOT DR

1.1 ALT,AC/DC MOT DR; COMMERCIAL-TYPE

FOR ALL UNITS

◆	155-105-701 (6/0)	2.01 (A & B) CHECK OIL RING BEARINGS OIL LEVEL	MW 2M	-----
		2.02 CHECK BEARINGS FOR EXCESSIVE WEAR (UPON REPAIR OF EQPT OR PRFRMC INDICATES CHECK ADVISABLE)	MW 24M	-----
		2.03 CHECK ALTNR ROTOR & EXCITER ARMTR FREEDOM OF ROTATION	MW 12M	-----
		2.07 CHECK NOISE & VIBRATION OF ALTNR & EXCITER	MW 24M	-----
		2.08 CHECK ALTNR ROTOR-STATOR AND EXCITER ARMTR-POLE FACES AIR GAP (UPON REPAIR OF EQPT OR PRFRMC INDICATES CHECK ADVISABLE)	MW 24M	-----
		2.11 CLEAN & INSPECT COMMUTATOR & COLLECTOR RING SURFACES (OR UPON REPAIR OF EQPT OR PRFRMC INDICATES CHECK ADVISABLE)	MW 12M	-----
		2.13 CHECK COMMUTATION	MW 12M	-----
		2.14 CLEAN & INSPECT BRUSH HOLDERS & BRUSHES (UPON REPAIR OF EQPT OR PRFRMC INDICATES CHECK ADVISABLE)	MW 3M	-----
◆		2.15 (2.15 - 2.19) CHECK BRUSH LENGTH, FIT, PRESSURE, ALIGNMENT & SPACING (UPON REPAIR OF EQPT OR PRFRMC INDICATES CHECK ADVISABLE)	MW 3M	-----
		2.20 BRUSH HOLDER YOKE	MW 24M	-----
		2.21 CHECK ALTERNATOR TEMPERATURE (OR UPON REPAIR OF EQPT OR PRFRMC INDICATES CHECK ADVISABLE)	MW 3M	-----
		2.21 CHECK TEMPERATURE	MW 12M	-----

OPTIONAL FEATURES, SELECT NO MORE THAN ONE CATEGORY

◆	OIL RING BRNGS NOT IN SAND & GRIT AREA			
◆	155-105-701 (6/0)	2.01 (C) DRAIN & REPLACE OIL	MW 24M	-----
◆	OIL RING BRNGS IN SAND & GRIT AREA			
◆	155-105-701 (6/0)	2.01 (C) DRAIN & REPLACE OIL	MW 12M	-----
	BALL BEARINGS WITH GREASE FITTINGS & DRAIN PLUGS			
◆	155-105-701 (6/0)	2.01 (F) LUBRICATE BEARINGS WITH GREASE FITTINGS & DRAIN PLUGS	MW 12M	-----
	BALL BEARINGS WITH GREASE FITTINGS ONLY			
◆	155-105-701 (6/0)	2.01 (G) LUBRICATE BEARING WITH GREASE FITTINGS ONLY	MW 36M	-----

1.2 ALT,AC/DC MOT DR; KS-5654

FOR ALL UNITS

◆	155-108-701 (2/0)	2.01 LUBRICATION	MW 24M	-----
◆		2.05 CHECK FREEDOM ROTATING PARTS	MW 6M	-----
		2.08 CLEAN & INSPECT COMMUTATOR & COLLECTOR RINGS	MW 3M	-----
◆		2.10 (2.10 - 2.15) CLEAN & INSPECT BRUSH HOLDERS & BRUSHES	MW 3M	-----
		2.10 TEST BRUSH HOLDERS AND YOKES	MW 6M	-----
		2.11 TEST BRUSH LENGTH	MW 3M	-----
		2.12 TEST BRUSH FIT	MW 3M	-----

155-108-701 (2/0)	2.13	TEST BRUSH PRESSURE	MW 3M	-----
	2.14	TEST BRUSH ALIGNMENT	MW 6M	-----
	2.15	TEST BRUSH SPACING	MW 6M	-----
	2.17	CLEAN & INSPECT CENTRIFUGAL REGULATOR MAIN CONTACTS	MW 3M	-----
	2.18	CLEAN CENTRIFUGAL REGULATOR START CONTACTS	MW 3M	-----
	2.20	CHECK TEMPERATURE	MW 3M	-----
1.3 ALT,AC/DC MOT DR; KS-5715				
SELECT ONLY ONE CATEGORY				
◆ GREASE FITTING & DRAIN PLUG				
◆ 155-110-701 (3/0)	2.01	(B) LUBRICATE BEARINGS	MW 24M	-----
◆	2.03	CHECK FREEDOM OF ROTATING PARTS	MW 24M	-----
	2.08	CLEAN & INSPECT COMMUTATOR & COLLECTOR RINGS	MW 12M	-----
	2.10	CLEAN & INSPECT BRUSH HOLDERS & BRUSHES	MW 12M	-----
	2.16	CLEAN & INSPECT SPEED REGULATOR, CHECK SPEED	MW 12M	-----
	2.17	CHECK TEMPERATURE	MW 12M	-----
◆ GREASE FITTING ONLY				
◆ 155-110-701 (3/0)	2.01	(A) LUBRICATE BEARINGS	MW 36M	-----
◆	2.03	CHECK FREEDOM OF ROTATING PARTS	MW 24M	-----
	2.08	CLEAN & INSPECT COMMUTATOR & COLLECTOR RINGS	MW 12M	-----
	2.10	CLEAN & INSPECT BRUSH HOLDERS & BRUSHES	MW 12M	-----
	2.16	CLEAN & INSPECT SPEED REGULATOR, CHECK SPEED	MW 12M	-----
	2.17	CHECK TEMPERATURE	MW 12M	-----
SEALED BEARINGS				
◆ 155-110-701 (3/0)	2.03	CHECK FREEDOM OF ROTATING PARTS	MW 24M	-----
	2.08	CLEAN & INSPECT COMMUTATOR & COLLECTOR RINGS	MW 12M	-----
	2.10	CLEAN & INSPECT BRUSH HOLDERS & BRUSHES	MW 12M	-----
	2.16	CLEAN & INSPECT SPEED REGULATOR, CHECK SPEED	MW 12M	-----
	2.17	CHECK TEMPERATURE	MW 12M	-----
◆ 1.4 ALT,AC/DC MOT DR; KS-15520 & KS-15626				
FOR ALL UNITS				
155-112-701 (5/1)	2.01	(A) LUBRICATE BEARINGS	MW 12M	-----
◆	2.05	CHECK FREEDOM OF ROTATING PARTS	MW 3M	-----
	2.07	(A) CHECK MACHINE VIBRATION	MW 6M	-----
	2.07	(B) REPLACE ISOLATORS (EVERY 15 YEARS)	MW *	-----
	2.08	CLEAN & INSPECT COMMUTATOR	MW 3M	-----
	2.10	CLEAN & INSPECT BRUSH HOLDERS & BRUSHES	MW 3M	-----
	2.17	CHECK TEMPERATURE	MW 3M	-----
OPTIONAL FEATURES, SELECT NO MORE THAN ONE CATEGORY				
WALDRON COUPLINGS				
155-112-701 (5/1)	2.01	(C) LUBRICATE WALDRON COUPLING	MW 12M	-----

SECTION 155-001-011

FALK COUPLINGS

155-112-701 (5/1)	2.01 (D) LUBRICATE FALK COUPLING	MW 24M	-----
1.5 ALT, AC/DC MOT DR; KS-15823			
FOR ALL UNITS			
155-113-701 (1/0)	2.01 LUBRICATION	MW 12M	-----
	2.05 CHECK FREEDOM OF ROTATING PARTS	MW 12M	-----
	2.08 CLEAN & INSPECT COMMUTATOR	MW 3M	-----
	2.10 CLEAN & INSPECT BRUSH HOLDERS & BRUSHES	MW 3M	-----
	2.16 CHECK TEMPERATURE	MW 3M	-----
1.6 ALT, AC/DC MOT DR; KS-15844			
FOR ALL UNITS			
155-115-701 (1/1)	2.01 LUBRICATION	MW 24M	-----
	2.05 CHECK FREEDOM OF ROTATING PARTS	MW 24M	-----
	2.08 CLEAN & INSPECT COMMUTATOR	MW 6M	-----
	2.10 CLEAN & INSPECT BRUSH HOLDERS & BRUSHES	MW 3M	-----
	2.15 CHECK TEMPERATURE	MW 3M	-----
1.7 ALT, AC/DC MOT DR; KS-15949			
FOR ALL UNITS			
155-117-701 (2/1)	2.01 LUBRICATION	MW 12M	-----
	2.05 CHECK FREEDOM OF ROTATING PARTS	MW 12M	-----
	2.08 CLEAN & INSPECT COMMUTATOR	MW 3M	-----
	2.10 CLEAN & INSPECT BRUSH HOLDERS & BRUSHES	MW 3M	-----
	2.16 CHECK TEMPERATURE	MW 3M	-----
1.8 ALT, AC/DC MOT DR; KS-15993 L1, L2			
FOR ALL UNITS			
155-107-701 (2/0)	2.01 LUBRICATE BEARINGS	MW 12M	-----
	2.02 CHECK SYNC MOTOR SPEED	MW 12M	-----
	2.05 CHECK FREEDOM OF ROTATING PARTS	MW 3M	-----
	2.07 CHECK NOISE AND VIBRATION	MW 12M	-----
	2.08 CLEAN & INSPECT COMMUTATOR	MW 3M	-----
	2.10 (2.10 - 2.13) CHECK BRUSH FIT, PRESSURE, LENGTH HOLDER AND YOKES (UPON REPAIR OF EQPT OR PRFRMC INDICATES CHECK ADVISABLE)	MW 3M	-----
	2.15 CHECK ALTRN TEMPERATURE	MW 3M	-----
1.9 ALT, AC/DC MOT DR; KS-15994 L1, L2			
FOR ALL UNITS			
155-109-701 (2/0)	2.01 LUBRICATE BEARINGS	MW 12M	-----
	2.02 CHECK SYNC MOTOR SPEED	MW 12M	-----
	2.05 CHECK FREEDOM OF ROTATING PARTS	MW 12M	-----
	2.07 CHECK NOISE AND VIBRATION	MW 12M	-----
	2.08 CLEAN & INSPECT COMMUTATOR	MW 6M	-----

◆		2.10	(2.10 - 2.13) CHECK BRUSH FIT, PRESSURE, LENGTH, HOLDER AND YOKE (UPON REPAIR OF EQPT OR PRFRMC INDICATES CHECK ADVISABLE)	MW 3M	-----
	155-109-701 (2/0)	2.15	CHECK ALTNR TEMPERATURE	MW 3M	-----
	1.10 ALT,AC/DC MOT DR; KS-15986				
	FOR ALL UNITS				
◆	155-118-701 (2/1)	2.03	INSPECT SPEED REGULATOR & CHECK SPEED	MW 12M	-----
◆		2.06	CHECK FREEDOM OF ROTATING PARTS	MW 24M	-----
◆		2.09	CLEAN & INSPECT COMMUTATOR & RINGS	MW 24M	-----
◆		2.11	CLEAN & INSPECT BRUSH HOLDERS & BRUSHES	MW 12M	-----
◆		2.15	CHECK TEMPERATURE	MW 12M	-----
◆	1.11 ALT,AC/DC MOT DR; KS-15991 L1, L2				
	FOR ALL UNITS				
	155-119-701 (2/0)	2.03	INSPECT SPEED REGULATOR & CHECK SPEED	MW 12M	-----
◆		2.06	CHECK FREEDOM OF ROTATING PARTS	MW 18M	-----
		2.09	CLEAN & INSPECT COMMUTATOR & COLLECTOR RINGS	MW 12M	-----
		2.11	CLEAN & INSPECT BRUSH HOLDERS & BRUSHES	MW 12M	-----
		2.14	CHECK TEMPERATURE	MW 12M	-----
◆	1.12 ALT,AC/DC MOT DR; KS-19203 L1 - L4				
	FOR ALL UNITS				
	155-188-701 (4/0)	2.02	ROUTINE RUN - 15 MINUTES	MW M	-----
		2.03	CHECK SPEED & FREQUENCY	MW 12M	-----
		2.08	CHECK FREEDOM OF ROTATING PARTS	MW 18M	-----
		2.10	CHECK NOISE & VIBRATION	MW 12M	-----
		2.11	CHECK COMMUTATION	MW 12M	-----
		2.12	CLEAN & INSPECT COMMUTATOR & COLLECTOR RING SURFACES	MW 3M	-----
		2.14	CHECK BRUSH HOLDER & YOKE	MW 3M	-----
		2.15	CHECK BRUSH LENGTH	MW 3M	-----
		2.16	CHECK TEMPERATURE	MW 12M	-----
	TROUBLE TESTS				
	155-188-701 (4/0)	2.04	MOT ALTNR SPD REGULATOR L1 & L2 REQT	TT	-----
		2.05	MOT ALTNR SPD REGULATOR L3 & L4 REQT	TT	-----
		2.06	ALTNR CAPACITY	TT	-----
		2.07	ALTNR OUTPUT VOLTAGE	TT	-----
		2.09	BEARINGS	TT	-----
		2.13	BRUSH FIT	TT	-----