

EQUIPMENT TEST LIST
DEHYDRATORS AND WAVEGUIDE PRESSURE SYSTEMS
POWER SYSTEMS EQUIPMENT

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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

14.0 DHYDATOR WAVGDE

14.1 DHYDATOR WAVGDE; KS-14155 L1 COMPR-DEHYDRATOR

SELECT ONLY ONE CATEGORY

INGERSOLL-RAND HAF5 COMPRESSOR SER# 1-59

161-350-701 (3/0)	2.02	(A) CHECK COMPRESSOR CRANKCASE OIL	MW W	-----
	2.02	(B) LUBRICATE MOTOR BEARINGS	MW 3M	-----
	2.04	CHANGE CRANKCASE OIL	MW 3M	-----
	2.05	DRAIN AIR TANK	MW W	-----
	2.06	REPLACE AIR INLET FILTER PADS	MW 6M	-----
	2.07	CHECK TANK PRESSURE CONTROL SWITCH	MW 3M	-----
	2.08	CHECK AIR PRESSURE GENERATED	MW 3M	-----
	2.09	CHECK SAFETY VALVE OPERATION	MW 3M	-----
	2.10	CHECK DRIVE BELT TENSION	MW 3M	-----
	2.13	CHECK INTERMEDIATE PRESSURE REGULATOR OPRN	MW 3M	-----
	2.14	DRAIN AIR FILTER	MW W	-----
	2.15	REPLACE FILTER TUBE IN AIR FILTER	MW 12M	-----
	2.16	CHECK CYLINDER RELIEF VALVE OPRN	MW 24M	-----
	2.17	CHECK CYCLING TIMER OPRN	MW 3M	-----
	2.18	CHECK REACTIVATION TIMER OPRN	MW 3M	-----
	2.20	CHECK INTERMEDIATE PRESSURE (INT) ALARM OPRN	MW 3M	-----
	2.21	CHECK CABLE PRESSURE REGULATOR OPRN	MW W	-----
	2.22	CHECK CABLE PRESSURE RELIEF VALVE OPRN	MW 3M	-----
	2.23	CHECK LOW CABLE PRESSURE ALARM OPRN	MW W	-----
	2.24	CHECK HIGH CABLE PRESSURE ALARM OPRN	MW W	-----
	4.05	PERFORM HUMIDITY ALARM TEST	MW 3M	-----
	4.06	CHECK VISUAL HUMIDITY INDICATOR	MW W	-----
	4.08	TESTING FOR INOPERATIVE SOLENOID VALVES	MW 3M	-----
	4.09	TESTING FOR LEAKING SOLENOID VALVES	MW 3M	-----

INGERSOLL-RAND HAF5 COMPRESSOR SER# ABOVE 59

161-350-701 (3/0)	2.02	(A) CHECK COMPRESSOR CRANKCASE OIL	MW W	-----
	2.02	(B) LUBRICATE MOTOR BEARINGS	MW 3M	-----
	2.04	CHANGE CRANKCASE OIL	MW 3M	-----
	2.05	DRAIN AIR TANK	MW W	-----
	2.06	REPLACE AIR INLET FILTER PADS	MW 6M	-----
	2.07	CHECK TANK PRESSURE CONTROL SWITCH	MW 3M	-----
	2.08	CHECK AIR PRESSURE GENERATED	MW 3M	-----
	2.09	CHECK SAFETY VALVE OPERATION	MW 3M	-----
	2.10	CHECK DRIVE BELT TENSION	MW 3M	-----
	2.11	DRAIN AIR TANK LIST 2 DEHYDRATOR	MW W	-----
	2.12	CHECK TANK PRESSURE CONTROL SWITCH LIST 2 DEHYDRATOR	MW 3M	-----

161-350-701 (3/0)	2.13	CHECK INTERMEDIATE PRESSURE REGULATOR OPRN	MW 3M	-----
	2.14	DRAIN AIR FILTER	MW W	-----
	2.15	REPLACE FILTER TUBE IN AIR FILTER	MW 12M	-----
	2.16	CHECK CYLINDER RELIEF VALVE OPRN	MW 24M	-----
	2.17	CHECK CYCLING TIMER OPRN	MW 3M	-----
	2.18	CHECK REACTIVATION TIMER OPRN	MW 3M	-----
	2.19	OPERATION OF TANK PRESSURE (TK) ALARM SERIAL NUMBERS 60 OR HIGHER	MW 3M	-----
	2.21	CHECK CABLE PRESSURE REGULATOR OPRN	MW W	-----
	2.22	CHECK CABLE PRESSURE RELIEF VALVE OPRN	MW 3M	-----
	2.23	CHECK LOW CABLE PRESSURE ALARM OPRN	MW W	-----
	2.24	CHECK HIGH CABLE PRESSURE ALARM OPRN	MW W	-----
	4.05	PERFORM HUMIDITY ALARM TEST	MW 3M	-----
	4.06	CHECK VISUAL HUMIDITY INDICATOR	MW W	-----
	4.08	TESTING FOR INOPERATIVE SOLENOID VALVES	MW 3M	-----
	4.09	TESTING FOR LEAKING SOLENOID VALVES	MW 3M	-----

◆ 14.2 DHYDATOR WAVGDE; KS-14155L2 DEHYDRATOR

FOR ALL UNITS

161-350-701 (3/0)	2.02	(A) CHECK COMPRESSOR CRANKCASE OIL	MW W	-----
	2.02	(B) LUBRICATE MOTOR	MW 3M	-----
	2.04	CHANGE CRANKCASE OIL	MW 3M	-----
	2.05	DRAIN AIR TANK	MW W	-----
	2.06	REPLACE AIR INLET FILTER PADS	MW 6M	-----
	2.08	CHECK AIR PRESSURE GENERATED	MW 3M	-----
	2.09	CHECK SAFETY VALVE OPERATION	MW 3M	-----
	2.10	CHECK DRIVE BELT TENSION	MW 3M	-----
	2.11	DRAIN AIR TANK	MW W	-----
	2.12	CHECK TANK PRESSURE CONTROL SWITCH	MW 3M	-----
	2.13	CHECK INTERMEDIATE PRESSURE REGULATOR OPRN	MW 3M	-----
	2.14	DRAIN AIR FILTER	MW W	-----
	2.15	REPLACE FILTER TUBE IN AIR FILTER	MW 12M	-----
	2.16	CHECK CYLINDER RELIEF VALVE OPRN	MW 24M	-----
	2.17	CHECK CYCLING TIMER OPRN	MW 3M	-----
	2.18	CHECK REACTIVATION TIMER OPRN	MW 3M	-----
	2.19	(B) OPERATION OF TANK PRESSURE (TK) ALARM SERIAL NUMBERS 60 OR HIGHER	MW 3M	-----
	2.20	CHECK INTERMEDIATE PRESSURE ALARM OPRN	MW 3M	-----
	2.21	CHECK CABLE PRESSURE REGULATOR OPRN	MW W	-----
	2.22	CHECK CABLE PRESSURE RELIEF VALVE OPRN	MW 3M	-----
	2.23	CHECK LOW CABLE PRESSURE ALARM OPRN	MW W	-----
	2.24	CHECK HIGH CABLE PRESSURE ALARM OPRN	MW W	-----
	4.05	PERFORM HUMIDITY ALARM TEST	MW 3M	-----

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161-350-701	(3/0)	4.06	CHECK VISUAL HUMIDITY INDICATOR	MW W	-----	
		4.08	TESTING FOR INOPERATIVE SOLENOID VALVES	MW 3M	-----	
		4.09	TESTING FOR LEAKING SOLENOID VALVES	MW 3M	-----	
◆	14.3 DHYDATOR WAVGDE; KS-16001L1, L2, L3					
FOR ALL UNITS						
161-370-301	(6/0)	4.03	CHECK LOW PRESSURE SWITCH OPERATION	MW 3M	-----	
		4.04	HUMISTAT AND SENSING ELEMENT	MW 3M	-----	
		4.05	CHECK TOWER HEATER CIRCUIT OPERATION	MW 6M	-----	
		4.06	CHECK WAVEGUIDE AND ANTENNA ALARM PRESSURE SWITCH OPERATION	MW 3M	-----	
		4.07	BLOWER MOTOR-CHECK BRUSH WEAR AND COMMUTATOR CONDITION	MW 3M	-----	
161-370-701	(4/1)	2.01	(3A) LUBRICATE VALVE DRIVE MOTOR FRONT END BEARINGS	MW 12M	-----	
		2.01	(3B) CHECK OIL LEVEL OF VALVE DRIVE MOTOR GEAR BOX	MW 6M	-----	
		2.01	(3B) REPLACE VALVE DRIVE MOTOR GEAR BOX LUBRICANT	MW 60M	-----	
		2.01	(4) TIGHTEN 4-WAY VALVES LUBRICATING PLUGS	MW 6M	-----	
		2.03	MECHANICAL INSPECTION	MW 12M	-----	
		2.06	REPLACE TIMER	MW 60M	-----	
		2.07	REPLACE SENSING ELEMENT	MW 12M	-----	
		2.08	(A) CHECK BRUSHES AND COMMUTATION	MW 3M	-----	
		2.08	(B) REPLACE BLOWER MOTOR	MW 48M	-----	
		2.09	RECONDITION 4-WAY VALVES	MW 48M	-----	
		2.10	REPLACE MOTOR START RELAY	MW 84M	-----	
		2.11	REPLACE LIMIT SWITCH	MW 84M	-----	
◆	OPTIONAL FEATURES, SELECT NO MORE THAN ONE CATEGORY					
◆	CARBON AIR FILTER					
◆	161-370-701	(4/1)	2.05	CHANGE AIR FILTERS * CARBON FILTER (SHORTER CHANGE INTERVAL MAY BE REQUIRED WHERE AIR POLLUTION IS HEAVY)	MW 24M	-----
◆	DOWN AIR FILTER					
◆	161-370-701	(4/1)	2.05	CHANGE AIR FILTERS * FILTER DOWN (SHORTER CHANGE INTERVAL MAY BE REQUIRED WHERE AIR POLLUTION IS HEAVY)	MW 6M	-----
OPTIONAL FEATURES						
BLOWER MOTOR, UNSEALED BALL BEARINGS W/GREASE & DRAIN PLUGS						
	161-370-701	(4/1)	2.01	(1) LUBRICATE BLOWER MOTOR UNSEALED BEARINGS	MW 12M	-----
TROUBLE TESTS						
	161-370-701	(4/1)	2.12	REPLACE DESICCANT	TT	-----
◆	14.4 DHYDATOR WAVGDE; KS-16153L1, L2 & L3					
FOR ALL UNITS						
	161-372-301	(4/0)	4.03	CHECK DEHYDRATOR PRESSURE SWITCH OPERATION	MW 3M	-----
			4.04	CHECK HUMISTAT AND SENSING ELEMENT	MW 3M	-----

161-372-301 (4/0)	4.05	CHECK TOWER HEATER CIRCUIT OPERATION	MW 6M	-----
	4.06	CHECK WAVEGUIDE AND ANTENNA ALARM PRESSURE SWITCH	MW 3M	-----
161-372-701 (6/0)	2.01	(2A) LUBRICATE VALVE DRIVE MOTOR BEARINGS	MW 12M	-----
	2.01	(2B) CHECK OIL LEVEL IN VALVE DRIVE MOTOR GEAR BOX	MW 6M	-----
	2.01	(3) CHECK LUBRICATING PLUG ON 4-WAY VALVES FOR TIGHTNESS	MW 3M	-----
	2.03	INSPECT FOR NOISE AND VIBRATION	MW 12M	-----
	2.05	CHANGE AIR FILTERS (SHORTER CHANGE INTERVAL MAY BE REQUIRED WHERE AIR POLLUTION IS HEAVY)	MW 12M	-----
	2.06	REPLACE BLOWER MOTOR	MW 96M	-----
	2.07	REPLACE TIMER	MW 60M	-----
	2.08	REPLACE SENSING ELEMENT	MW 12M	-----
	2.09	REPLACE HUMIDISTAT VACUUM TUBE (50L6)	MW 12M	-----
	2.10	RECONDITION 4-WAY VALVES	MW 48M	-----
	2.11	REPLACE BLOWER AND VALVE DRIVE MOTOR STARTER RELAYS	MW 84M	-----
	2.12	REPLACE LIMIT SWITCH	MW 84M	-----

OPTIONAL FEATURES

BLOWER MOTOR UNSEALED BALL BEARINGS W/GREASE OR DRAIN PLUGS

161-372-701 (6/0)	2.01	(1A) LUBRICATE BLOWER MOTOR BEARINGS	MW 12M	-----
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◆ 14.5 DHYDATOR WAVGDE; KS-16321L1, L2

FOR ALL UNITS

161-352-701 (2/0)	2.14	OPERATION OF TANK PRESSURE ALARM	MW 3M	-----
	2.15	DRAIN INTERMEDIATE PRESSURE REGULATOR	MW W	-----
	2.16	OPERATION OF INTERMEDIATE PRESSURE REGULATOR	MW 3M	-----
	2.17	OPERATION OF CYCLING TIMER	MW 12M	-----
	2.18	OPERATION OF REACTIVATION TIMER	MW 12M	-----
	2.19	OPERATION OF CABLE PRESSURE REGULATOR	MW W	-----
	2.20	OPERATION OF LOWER CABLE PRESSURE ALARM	MW W	-----
	2.21	OPERATION OF HIGH CABLE PRESSURE ALARM	MW W	-----
	4.04	HUMIDITY ALARM TEST	MW 3M	-----
	4.09	CHECK SOLENOID VALVES	MW 3M	-----
	4.10	CHECK CABLE PRESSURE GAUGE	MW 3M	-----

OPTIONAL FEATURES, SELECT NO MORE THAN ONE CATEGORY

KS-16321-L1

161-352-701 (2/0)	2.02	COMPRESSOR CRANKCASE OIL CHECK	MW W	-----
	2.04	CHANGE CRANKCASE OIL	MW 3M	-----
	2.05	DRAIN COOLING CHAMBER AND AIR STORAGE TANK	MW W	-----
	2.06	EXAMINE AIR INLET FILTER	MW 3M	-----
	2.07	OPERATION OF TANK PRESSURE CONTROL SWITCH KS-16321 LIST 1 COMPRESSOR DEHYDRATOR	MW 3M	-----

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161-352-701	(2/0)	2.08	OPERATION OF CHECK VALVE	MW 3M	-----
		2.09	CHECK AIR PRESSURE GENERATED	MW 3M	-----
		2.10	CHECK SAFETY VALVE OPERATION	MW 3M	-----
		2.11	CHECK DRIVE BELT TENSION	MW W	-----

KS-16321-L2

161-352-701	(2/0)	2.12	DRAIN AIR STORAGE TANK	MW W	-----
		2.13	OPERATION OF TANK PRESSURE CONTROL SWITCH	MW 3M	-----

14.6 DEHYDATOR WAVGDE; KS-16468L1

FOR ALL UNITS

161-374-701	(4/0)	2.01	CHECK DESICCANT COLOR IN DRYING CYLINDER (OR AS REQUIRED)	MW W	-----
		2.02	REPLACE AIR BLOWER	MW 48M	-----
		2.03	CHECK DEHYDRATOR FOR NOISE AND VIBRATION	MW 6M	-----

14.7 DHYDATOR WAVGDE; TD-2 WAVEGID

FOR ALL UNITS

161-371-701	(2/0)	2.01	CHECK SYSTEM FOR LEAKS	MW 3M	-----
		2.02	CHECK WAVEGUIDE PRESSURE	MW 3M	-----
		2.03	CHECK GAS PRESSURE ALARM SWITCH	MW 3M	-----