

## EQUIPMENT TEST LIST

### STARTERS AND COMPENSATORS

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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  
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8.0 STRTRS & CMPNSRS

8.1 STRTRS & CMPNSRS; AUTOTRNSF TYPE

FOR ALL UNITS

026-305-701	(10/1)	2.01	CHECK MOUNTING	MW	12M	-----
		2.02	CLEAN CONTACTS & REMOVE CONTACT BUILDUPS	MW	12M	-----
		2.03	CHECK CONTACT ALIGNMENT	MW	12M	-----
		2.04	CHECK CONTACT SEQUENCE	MW	12M	-----
		2.05	CHECK FREEDOM OF OPERATION	MW	12M	-----
		2.06	CHECK RELAY ELECTRICAL REQUIREMENTS	MW	12M	-----
		2.17	TIME-DELAY INTERVAL ADJUSTMENT	MW	12M	-----

OPTIONAL FEATURES

NONADJUSTABLE OVERLOAD RELAYS CR2824-2D, CR2824-42B, CR2824-42C, CR2824-42H, CR2824-42J, CR2824-42M & CR124F012

026-305-701	(10/1)	2.11	CHECK NONADJUSTABLE OVERLOAD RELAYS OPERATION & CONTACT SURFACES	MW	12M	-----
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STARTERS WITH OVERLOAD RELAYS

026-305-701	(10/1)	2.12	(C) CHECK OVERLOAD RELAY OPERATE REQUIREMENTS	MW	12M	-----
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KS-15663 L7 & L8, KS-15781 L7 & L8 & KS-15854 L7 & L8 E/W SELENIUM RECTIFIER

026-305-701	(10/1)	2.13	CHECK SLNM RECTIFIER OUTPUT VOLTAGE	MW	12M	-----
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CR2820-1740A TIME-DELAY RELAY

026-305-701	(10/1)	2.15	CHECK TIME-DELAY RELAY OPERATION	MW	12M	-----
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CR2820-A111AA, CR2820-B110AA & CR2820-B111AA PNEUMATIC TIME DELAY RELAYS

026-305-701	(10/1)	2.16	CHECK TIME-DELAY INTERVAL	MW	12M	-----
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CR2820-1099 TIME-DELAY RELAY

026-305-701	(10/1)	2.14	CHECK TIME-DELAY RELAY OPRN	MW	12M	-----
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CR2820-B130AA PNEUMATIC TIME-DELAY AUXILIARY CONTACT

026-305-701	(10/1)	2.18	CHECK TIME-DELAY RELAY OPRN	MW	12M	-----
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TROUBLE TESTS

026-305-701	(10/1)	2.07	TEMPERATURE	TT		-----
		2.08	CONTACTORS-SOLENOID TYPE	TT		-----
		2.09	CONTACTORS-HINGED-ARMATURE TYPE	TT		-----
		2.10	ADJUSTABLE OVERLOAD RELAYS CR2824-TC22C & CR2824-TC121C	TT		-----
		2.12	(A) STARTERS WITH ADJUSTABLE OVERLOAD RELAYS	TT		-----
		2.12	(B) STARTERS WITH NONADJUSTABLE OVERLOAD RELAYS	TT		-----

8.2 STRTRS & CMPNSRS; AUTO NON KS TYPE

FOR ALL UNITS

026-340-701	(2/0)	2.01	CHECK MOUNTING	MW	12M	-----
		2.02	CLEAN CONTACT SURFACES	MW	12M	-----
		2.03	CHECK CONTACT ALIGNMENT	MW	12M	-----
		2.04	CHECK CONTACT OPRN SEQUENCE	MW	12M	-----

026-340-701 (2/0)	2.05	CHECK CONTACT SEPARATION	MW 12M	-----
	2.06	CHECK CONTACT PRESSURE & FOLLOW	MW 12M	-----
	2.07	CHECK AUTOTRANSFORMER OUTPUT VOLTAGE ADJMT	MW 12M	-----
	2.08	CHECK COMPENSATORS TIME-DELAY RELAY ADJMT	MW 12M	-----
	2.09	CHECK THERMAL RELAY ADJMT	MW 12M	-----
	2.10	CHECK RELAYS ELECTRICAL REQUIREMENTS	MW 12M	-----

## TROUBLE TESTS

026-340-701 (2/0)	2.11	TEMPERATURE	TT	-----
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## 8.3 STRTRS &amp; CMPNSRS; STARTERS

## SELECT ONLY ONE CATEGORY

## AUTOTRANSFORMER-TYPE STARTERS ALLEN BRADLEY

026-343-701 (1/1)	2.01	CHECK RELAY MOUNTING	MW 18M	-----
	2.02	CLEAN RELAY CONTACTS & REMOVE CONTACT BUILDUP	MW 18M	-----
	2.04	CHECK CONTACT ALIGNMENT	MW 18M	-----
	2.05	CHECK CONTACT SEQUENCE	MW 18M	-----
	2.06	CHECK CONTACT SEPARATION	MW 18M	-----
	2.07	CHECK CONTACT PRESSURE	MW 18M	-----
	2.08	CHECK ARMATURE FREEDOM OF OPERATION	MW 18M	-----
	2.09	BULLETIN 849 STYLE AX PNEUMATIC TIME-DELAY RELAY & BULLETIN 896 TIMING MECHANISM	MW 18M	-----
	2.10	CHECK RELAY ELECTRICAL REQUIREMENTS	MW 18M	-----
	2.11	TIME-DELAY INTERVAL ADJUSTMENT	MW 18M	-----

## RESISTOR &amp; ACROSS THE LINE TYPE STARTERS ALLEN BRADLEY CO &amp; WAR

026-356-701 (7/0)	2.01	CHECK MOUNTING	MW 12M	-----
	2.02	CLEAN RELAY CONTACTS & REMOVE CONTACT BUILDUP	MW 12M	-----
	2.03	CHECK CONTACT ALIGNMENT	MW 12M	-----
	2.04	CHECK CONTACT SEQUENCE	MW 12M	-----
	2.05	CHECK CONTACT SEPARATION	MW 12M	-----
	2.06	CHECK CONTACT PRESSURE & FOLLOW	MW 12M	-----
	2.07	CHECK OVERLOAD RELAYS	MW 12M	-----
	2.08	CHECK KS-5309 STARTER	MW 12M	-----
	2.09	CHECK ELECTRICAL REQUIREMENTS	MW 12M	-----

## AUTOTRANSFORMER-TYPE MANUAL AC STARTERS, G.E. CO

026-380-701 (4/0)	2.01	(A) CHECK OIL LEVEL	MW 12M	-----
	2.01	(B) CHANGE OIL	MW 60M	-----
	2.02	(C) CHECK AUTO TRANSFORMER OPRN	MW 12M	-----
	2.03	(C) CHECK OVERLOAD RELAYS ADJUSTMENTS	MW 12M	-----
	2.04	CHECK MAIN CONTACTS	MW 12M	-----
	2.07	CHECK SWITCH HANDLE OPRN	MW 12M	-----
	2.08	CHECK LATCH OPRN	MW 12M	-----
	2.09	CHECK RELAY UNDERVOLTAGE RELEASE OPRN	MW 12M	-----

026-380-701 (4/0)	2.10	CHECK STOP SWITCH	MW 12M	-----
MULTISTEP STARTERS G.E. CO. KS-5162 & KS-5365				
026-382-701 (1/0)	2.01	CHECK MULTISTEP STARTER OPERATION	MW 12M	-----
	2.02	CHECK CONTACT SURFACES	MW 12M	-----
	2.03	(2.03 - 2.05) CHECK MOVEMENT OF PULL BUTTON SWITCHES HANDLE, ARM & CONTACT FINGERS	MW 12M	-----
	2.06	(2.06 - 2.07) CHECK CONTACTOR NOISE & MOVEMENT OF CONTACT FINGERS	MW 12M	-----
	2.08	CHECK OVERLOAD RELAY PLUNGER MOVEMENT	MW 12M	-----
	2.09	CHECK OVERLOAD RELAY ADJUSTMENTS	MW 12M	-----
	2.10	CHECK DEFINITE TIME INTERLOCK OPERATING FINGER OPRN	MW 12M	-----
	2.11	CHECK CLRNC OF AUXILIARY CONTACTS	MW 12M	-----
	2.12	CHECK FLYWHEEL MOVEMENT	MW 12M	-----
	2.13	CHECK DEFINITE TIME RELAY MOTOR DISC ROTATION	MW 12M	-----
	2.14	CHECK DEFINITE TIME RELAY ARMATURE MOVEMENT	MW 12M	-----
	2.15	CHECK DEFINITE TIME RELAY TIME DELAY INTERVAL	MW 12M	-----
	2.16	CHECK DEFINITE TIME RELAY CONTACT/ARMATURE & LATCH/ARMATURE AIR GAPS	MW 12M	-----
	2.17	CHECK DEFINITE TIME RELAY LATCH & MAGNET ARMATURE OPRN	MW 12M	-----
	2.18	(A) CHECK DEFINITE TIME RELAY LATCH & ARM GAP	MW 12M	-----
	2.18	(B) CHECK DEFINITE TIME RELAY UPPER CONTACTS AIR GAP	MW 12M	-----
	2.19	CHECK TIME DELAY INTERVAL	MW 12M	-----
	2.20	CHECK OPERATION OF RELAY	MW 12M	-----
KS-15582 L1 - L6 DC MOTOR STARTER				
026-384-701 (3/0)	2.01	CLEAN RELAY CONTACTS & REMOVE CONTACT BUILDUP	MW 12M	-----
	2.02	CHECK STARTER & COMPONENT PARTS MOUNTING	MW 12M	-----
	2.04	CHECK CONTACT SEPARATION & OPERATED MAGNETIC GAP	MW 12M	-----
	2.05	CHECK RELAYS & CONTACTORS ELECTRICAL REQUIREMENTS	MW 12M	-----
	2.06	CHECK TEMPERATURE	MW 12M	-----
CUTLER HAMMER AUTOMATIC DC MOTOR STARTER				
026-390-701 (1/0)	2.1	CHECK TIGHTNESS OF NUTS, SCREWS, AND COTTERS	MW 12M	-----
	2.2	CHECK FREEDOM OF MOVING PARTS	MW 12M	-----
	2.3	CLEAN & CHECK CONTACTS	MW 12M	-----
	2.5	CLEAN & CHECK DASH-POT ASSEMBLY & DASH-POT OIL LEVEL	MW 12M	-----
	2.54	CHECK DASH POT OIL LEVEL	MW 12M	-----
	2.60	CHECK NEEDLE VALVE SETTING	MW 12M	-----
DIESEL ENG ALTRN AIR STARTING EQUIPMENT				
026-392-301 (2/0)	3.01	CHECK ACTIVE & RESERVE TANKS AIR PRESSURE (AND PRIOR TO EACH START)	MW 12M	-----
	3.02	CHECK DC MOTOR-COMPRESSOR OPRN	MW M	-----

026-392-301	(2/0)	3.03	(A) CHECK HIGH PRESSURE ALARM (UHP)	MW M	-----
		3.03	(B) CHECK LOW-PRESSURE ALARMS (APSR & APS)	MW M	-----
		3.04	CHECK OPRN OF SAFETY VALVES	MW 2M	-----
026-392-701	(2/0)	2.01	CLEAN COMPRESSOR & MOTOR	MW M	-----
		2.02	(A) CHECK COMPRESSOR CRANKCASE OIL LEVEL	MW M	-----
		2.02	(B) CHECK COMPRESSOR OIL PRESSURE	MW M	-----
		2.02	(C) LUBRICATE MOTOR BEARINGS	MW 12M	-----
		2.04	CHANGE COMPRESSOR CRANKCASE OIL	MW 12M	-----
		2.05	DC MOTOR COMMUTATOR & BRUSH REQUIREMENTS	MW 12M	-----
		2.06	CHECK DRIVE BELTS TENSION	MW 12M	-----
		2.07	REPLACE AIR INTAKE FILTER FELT	MW 12M	-----
		2.08	DRAIN AIR TANKS	MW M	-----
		2.09	(B&C) CHECK OPRN OF SAFETY VALVES	MW 2M	-----
		2.10	CHECK SETTING OF TANK PRESSURE CONTROL SWITCHES	MW 12M	-----
		2.11	CHECK SETTING OF TANK LOW PRESSURE ALARM SWITCH	MW 12M	-----
		2.12	CHECK SETTING OF AIR LINE HI PRESSURE ALARM SWITCH (UHP)	MW 12M	-----
		2.13	CHECK FOR LEAKAGE OF AIR	MW 12M	-----
TROUBLE TESTS					
026-343-701	(1/1)	2.03	ALLEN-BRADLEY CONTACTORS & CONTROL RELAYS CONTACT PRESSURE AND FOLLOW	TT	-----
		2.12	TEMPERATURE	TT	-----
026-356-701	(7/0)	2.07	(A) OVERLOAD RELAYS--ADJUSTABLE TYPE	TT	-----
		2.07	(B) OVERLOAD RELAYS--NONADJUSTABLE TYPE	TT	-----
		2.10	TEMPERATURE	TT	-----
026-380-701	(4/0)	2.03	(A) OVERLOAD RELAY TEST	TT	-----
		2.03	(B) CR2824-TC221C & CR2824-TC121C RELAYS	TT	-----
		2.05	FORM K22 STRTR CONTACTOR MECHANISM	TT	-----
		2.06	FORMS E, F, K1, K19, K33 & G150 STRTR CONT MECH	TT	-----
026-384-701	(3/0)	2.03	CONTACT PRESSURE	TT	-----