

REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
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the RF can be used to test the AX 134.  
 The AX T.P. will follow it is much later date  
 the only difference between the two is the size of the hole cut a component is the same  
 10/13/83

**WASE**

REV.																			
SHEET																			
REV. STATUS	REV.																		
OF SHEETS	SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON:		SIGNATURES		DAY		MO		YR		<b>GENERAL ELECTRIC</b> MD10D DEPT LOC FITCHBURG <b>TEST INSTRUCTIONS FOR 126D458 AA (LYNN TEST)</b>									
FRACTIONS DECIMALS ANGLES		DRAWN		13		9		83											
✓		CHECKED																	
		ISSUED		10		30													
		ENGRO																	
		MFG								SIZE		CODE IDENT NO.		165A741AA					
		MATS								SCALE		REV.		SHEET 1		CONT 2			

126D458 AA (LYNN TEST)

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USE PROGRAMMABLE TEST KIT. CONNECT <sup>+15V -15V</sup> ~~+5V~~ TO TEST KIT, DS15/D-4

1. Connect circuit as shown in Fig. 1.  
*CONNECT PIN 3 TO PWR SUP COMMON.*
2. Clip lead in the values shown in Table 1.  
*CONNECT PS1 (-5.0 to +5) TO PIN 21 (+) AND PIN 20 (-).*
3. Adjust P1 fully CW. With S6 in "NORMAL" mode, adjust PS1 between 0V in an +5V and verify that TP4 varies from 0-5V.  
~~TP4 = 5.13-0.4V~~
4. Put S6 in "REVERSE" mode. Vary PS1 between 0V and -5V and verify that TP4 varies from 0 to -5V. Adjust PS 1 to get 0V at TP4. Put S6 back in "NORM".  
~~TP4 = 0.12~~
5. Verify that TP5 varies between -6.47V and 4.45V as P2 is varied stop to stop. Adjust for 0V at TP5.  
~~TP5 = 0.12~~
6. Vary PS1 between 0V and +5V and verify that TP5 is at 0V with PS1 at 0V and -7.35V with PS1 at +5V.  
~~TP5 = 0.12~~
7. Adjust PS1 to get 0V at TP5. Verify that TP7 can be varied from +6.3V to -1.94V by varying P3 from stop to stop with P4 fully CCW. Adjust P3 to get 0V at TP7.  
~~TP7 = 0.12~~
8. Adjust PS1 to vary TP5 from 0V to -5V and verify that TP7 varies from 0V to 1.03V with. Turn P4 fully CW, verify that TP7 varies from 0V to +9.3V as TP5 is varied from 0V to -5V.  
~~TP7 = 0.12~~
9. Put S7 on "AUTO". Adjust PS1 to get 9V at TP7. Verify that TP8 can be varied from +2.97V to +6.55V as P5 is turned from CCW stop to CW stop. Leave in "CW" position.  
~~TP8 = 0.12~~
10. Turn S8 on. Verify that with P5 fully CW, TP8 can be varied from 2.97 to 7.98V as P6 is turned from its CCW to CW stop.  
~~TP8 = 0.12~~
11. Verify that there is a 1.4 KHz square wave at TP15. With a scope connected to TP12, press S2. (Note, dip switches on board should be set to 1101 0111 0111.) Verify that TP12 ramps from 0 to 9.3 volts in about 2 minutes. Press S1. TP12 should ramp down to 0 volts in 2 minutes. Repeat with S4 and S3 respectively.  
~~TP12 = 0.12~~
12. Press S2. When TP12 reaches 9.3V, L2 should light up. Press S1. When TP12 reads 0V, L1 should light. Press S2 again until L2 lights, turn S10 S3, L2 should go out. L1 should come on and TP12 should be 0V. Turn S10 S13.  
~~TP12 = 0.12~~
13. With TP12 at 0V, and P10 fully CW, verify that TP11 can be varied from -1.875 to +1.875V as P9 is turned from CW stop to CCW stop.  
~~TP11 = 0.12~~

PS + P6  
fully CW  
+CCW

DIST. TO: 12G, 14E, RW219A, 19J

GENERAL ELECTRIC  
MDTD - FITCHBURG

SIZE CODE IDENT NO

A

TEST INSTRUCTIONS FOR 125D454AA  
(FORM TEST)





SIZE  
A

165A741AA

SHEET  
3

REV

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CW D515/D-4

14. Turn P10 fully CCW. Verify that TP11 now varies from -1.03V to +1.03V as P9 is turned from CW stop to CCW stop. Adjust P9 to get 0V at TP11.  
*TURN S5 OFF (+1.5 AT PIN 30) (+1.5 @ Pin 30)*
15. With P10 still fully CCW, verify that TP11 ramps to 6.23V as TP12 is at -9.3V when S2 is pushed. Adjust P10 to get 9.3V at TP11 when TP12 is at -9.3V. *9.245*
16. Turn S5 on. Press S2 again. Verify that TP9 goes to 10V. Turn S5 off. TP11 should immediately return to 8.3V. *+1.7*
17. Press S1. TP9 should be at 0V. If not, adjust P9. *+9.3 SET P4 CCW.* Adjust P8 from CW to CCW stops. TP10 should range from +1.5 to -1.5 volts. Adjust P8 to get 0V at TP10. *Adjust P8 For 0V*
18. Adjust PS1 to get 8.3V at TP7. Press S2. Adjust P9 to get 8.3V at TP11. TP10 should now be 0V. *IF NOT ADJUST P7. TP8 should be 8.6.*
19. Switch S7 to ~~Manual~~ *OFF*. Press S1. TP8 should follow TP9, but will be limited by VS247. *2.15 ON BOARD*
20. Verify that there is continuity from JP9 to JP10. Turn on S9. Verify that there is no continuity between JP9 and JP10.

*Set*  
*3/17/82*

*SET R26 BY  
TO 0.0VDC BY  
ADJUSTING P8.  
ADJUST P3  
FOR 0.0VDC  
AT TP10.  
TURN P4  
CW*

TABLE 1

- ✓ R48 - 250 ) #33
  - ✓ R49 - 375 ) 1.4 K Hz
  - ✓ R20 - Jumper (LOCATED UNDER BRIDGE RECTIFIER CR1)
  - ✓ R21 - Jumper
  - ✓ R30 - Jumper
  - ✓ R79 - Jumper
  - ✓ R70 - 7.5 K #28
  - ✓ R71 - 10 K #10
  - ✓ R72 - 10 K #10
- Jumpers:
- ✓ JP1 - JP6
  - ✓ JP3 - JP4
  - ✓ JP7 - JP8

DIST. TO: 12G, 14E, RW219A, 19J

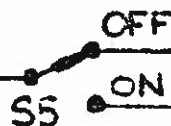
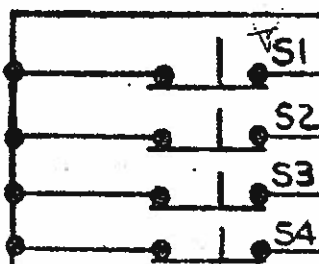
GENERAL ELECTRIC  
 MDTD FITCHBURG  
 165  
 ID Wronski, 9/4/80

SIZE  
 A  
 CODE IDENT NO

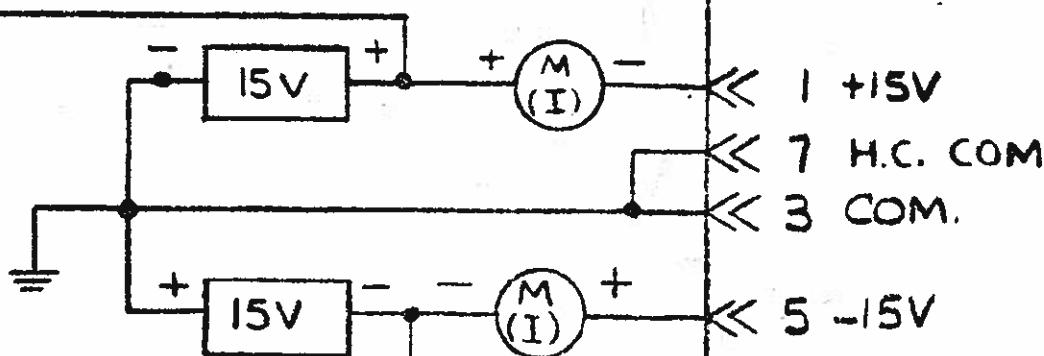
TEST INSTRUCTIONS FOR 125D456AA  
(LYNN TEST)

BN Error Switches

OFF



DEBOUNCE OSS

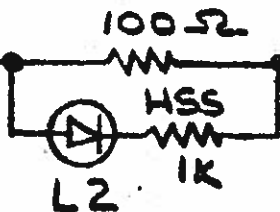
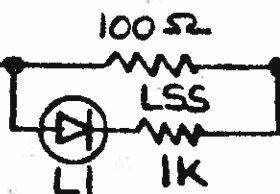


P.S.1. 0-5V

NORM  
REVERSE

<<21 AUTO-SIGNAL

<<20



<<18

<<19

-15 +15

FIG 1

SEE SHEET #5

GENERAL ELECTRIC

SIZE

CODE IDENT NO.

A

TEST CONNECTIONS  
FOR 125D458AA

DRAWN E. WILSON 10-10-80

REVIEW P. 12-12-80

SCALE

165A741AA

SHEET 4 CONT 5

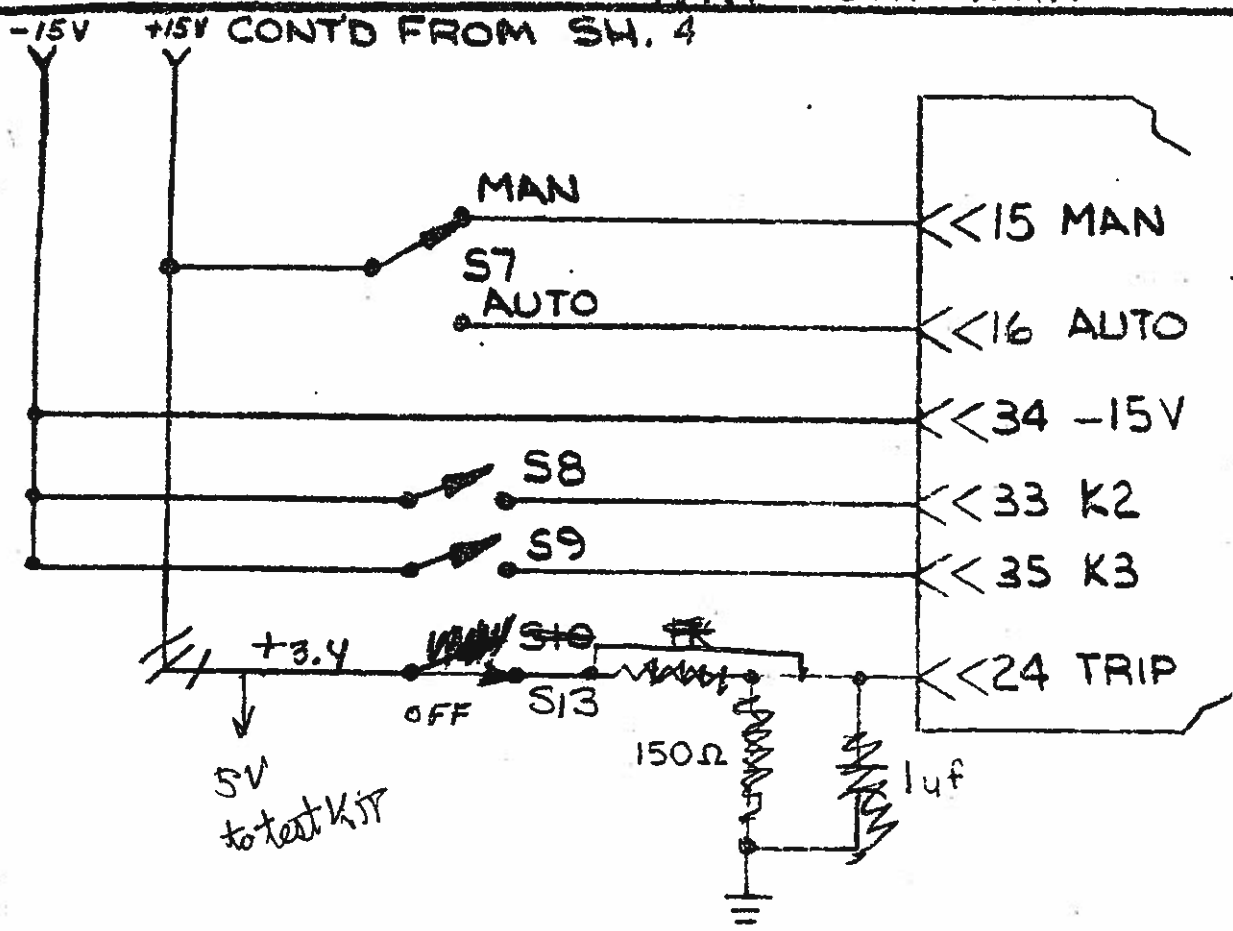


FIG 1 CONT'D FROM SH. 4