

INSTALLATION INSTRUCTIONS**FOR****TRANSMITTER POWER RELAY 7487952G14 & POWER RELAY KIT 19A130787G1
(OPTION 9078)**

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DESCRIPTION

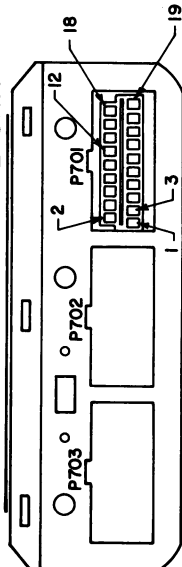
Transmitter Power Relay Option 9078 is used with MASTR® II mobiles and Executive II ST or SX and RT or RX mobile combinations. The option consists of relay 7487592G14 and relay kit 19A130787G1.

The power relay removes the battery supply voltage from the transmitter PA when radio ON-OFF switch S701 is in the OFF position. This insures a completely dead radio when the radio is not in use. Current leakage from the supply battery through the transmitter PA is prevented.

MOBILE RADIO DEPARTMENT
GENERAL ELECTRIC COMPANY • LYNCHBURG, VIRGINIA 24502

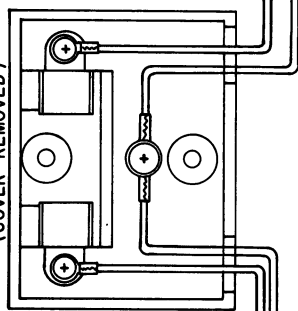
GENERAL  **ELECTRIC**

REAR VIEW OF CONTROL UNIT



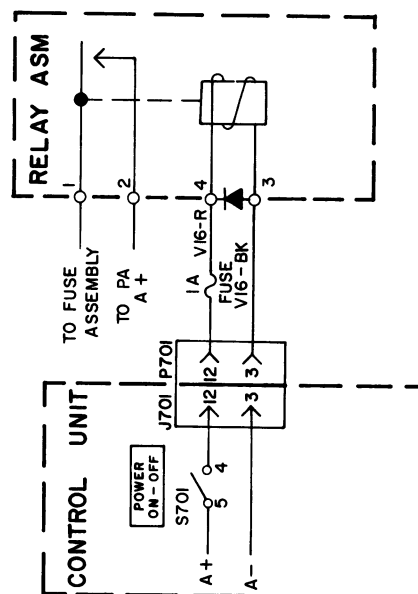
THESE INSTRUCTIONS COVER THE FIELD INSTALLATION OF THE TRANSMITTER POWER RELAY 748792G14 AND RELAY KIT 19A130787G1 FOR SWITCHING TX PA SUPPLY VOLTAGE AS A FUNCTION OF THE RADIO ON-OFF SWITCH S701 ON MASTR II MOBILES AND "ST" OR "SX" EXECUTIVE II MOBILES.

FUSE ASSEMBLY (COVER REMOVED)



POWER CABLE FROM RADIO

SLEEVE AND SECOND LEAD PRESENT ONLY ON EARLY POWER CABLES.



- INSTRUCTIONS: MASTR II MOBILE INSTALLATION AND "ST" OR "SX" EXECUTIVE II MOBILES.
1. FASTEN RELAY ASM IN DESIRED LOCATION USING SELF TAPPING SCREWS SUPPLIED.
 2. CONNECT V-16 BLACK LEAD TO TERMINAL 3 OF RELAY. CONNECT RED FUSED LEAD TO TERMINAL 4 OF THE RELAY USING TERMINAL SUPPLIED WITH FUSED LEAD. (USE #8-32 X 5/16 HARDWARE).
 3. CONNECT OTHER END OF RED FUSED LEAD TO P701-12 AND BLACK TO P701-3. IF P701-3 OR 12 ARE PREVIOUSLY USED, USE SPLICE CONNECTORS SUPPLIED.
 4. CONNECT DIODE AS SHOWN BETWEEN TERMINAL 3 AND 4 OF THE RELAY AND SOLDER.
 5. STRIP BACK SLEEVE JACKET OF POWER CABLE AT DESIRED LOCATION AND CUT SAME COLOR LEAD WHICH IS FUSED AT THE FUSE ASSEMBLY. (COLOR MAY VARY DEPENDING ON + OR - GROUND, AND SLEEVE PRESENT ON EARLY POWER CABLES ONLY).
 6. INSTALL TERMINALS ON POWER LEAD AND CONNECT TO TERMINAL 1 AND 2 OF THE RELAY AS SHOWN.
 7. S701, POWER ON-OFF SWITCH ON THE CONTROL UNIT, WILL NOW CONTROL SUPPLY VOLTAGE TO THE TX POWER AMPLIFIER.

INSTALLATION INSTRUCTIONS

MASTR II & ST or SX EXECUTIVE II

(19C321827, Sh. 2, Rev. 1)

PARTS LIST

TRANSMITTER POWER RELAY
7487952G14

SYMBOL	GE PART NO.	DESCRIPTION
CR1	4037822P1	----- DIODES AND RECTIFIERS ----- Silicon, 1000 mA, 400 PIV.
		----- RELAYS ----- Armature, enclosed: 12 VDC nominal, 85 to 90 ohms at 25°C, 1 form A contact, without mounting screws; sim to R.B.M. Co.
K2	7486515P2	----- MISCELLANEOUS -----
	7489352P1	Relay base.
	7142315P2	Relay support. (top)
	19A121534P1	Plate. (Located on base under relay terminals).
	19A121538P1	Relay support. (middle)
	N130P1412C6	Tap screw, slotted, hex head, No. 8-18 x 3/4. (Secures relay base).
	N402P8C13	Plain washer, No. 8. (Secures relay base).
	N80P21005C13	Machine screw. No. 1/4 - 20 x 5/16. (Secures plate and angle).
	N402P37C13	Plain washer. No. 6. (Secures top relay support).
	N84P13005C6	Machine screw, Phillips flat head. No. 6-32 x 5/16. (Secures top relay support).
	N84P15005C6	Machine screw, Phillips flat head. No. 8-32 x 5/16. (Used with K2 terminals and mounting).

PARTS LIST

POWER RELAY

Issue 1 5

PARTS LIST

RELAY MODIFICATION KIT
19A130787G1

SYMBOL	GE PART NO.	DESCRIPTION
	7142645P6	Connector splice: Wire size: 16 - 14 AWG, length: 1.03 inches. (Used only when P701-3, 12 are already used).
	N80P15005C6	Machine screw, Phillips head: No. 8-32 x 5/16. (Secures terminals 3 and 4 to relay).
	N403P16C6	Lockwasher; external tooth: No. 8. (Secures terminals 3 and 4 to relay).
	19A129937G2	Wire lead. Includes:
	19B209260P12	Terminal, solderless: wire range No. 22-16; sim to AMP 41310. (Located at relay terminal 3).
	19A116781P5	Contact, electrical: wire range No. 18-24 AWG; sim to Molex 08-50-0106. (Located at P701-3).
		FUSED LEAD 19A129480G1
	19A115776P2	Fuse holder. (less contacts).
	19A115776P3	Contact, electrical. (Used with 19A115776P2 fuseholder).
	19A116781P5	Contact, electrical: wire range No. 18-24 AWG; sim to Molex 08-50-0106. (Located at terminal 4 of relay).
	1R16P3	Quick blowing, cartridge: 1 amp 250 v; sim to Littlefuse 312001 or Bussmann AGC-1.

PARTS LIST

POWER RELAY KIT