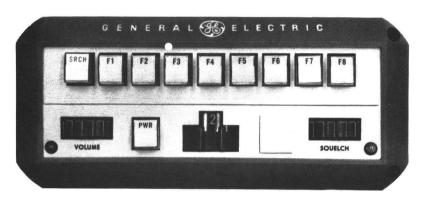


MAINTENANCE MANUAL

C-800 SERIES CONTROL UNIT (ROTARY CONTROL)



SPECIFICATIONS *

Rotary Control Module

Number of Frequencies

Supply Voltage

Current Drain
(Control Module only)

Controls

Indicators

Dimensions -INS./CM
(H X W X D)

19D417750G1

1 thru 12

±13.8 VDC ±20%

80 Milliamperes (maximum)

Power-On Volume Squelch Channel Selector Switch Option Switch

Blanker Disable Switch (Optional)

Power On Light Transmit Light Channel Busy Light Option Light

3.25/8.26 X 7.25/18.45 X 7.0/17.8

^{*}These specifications are intended primarily for the use of the serviceman. Refer to the appropriate Specification Sheet for the complete specifications.

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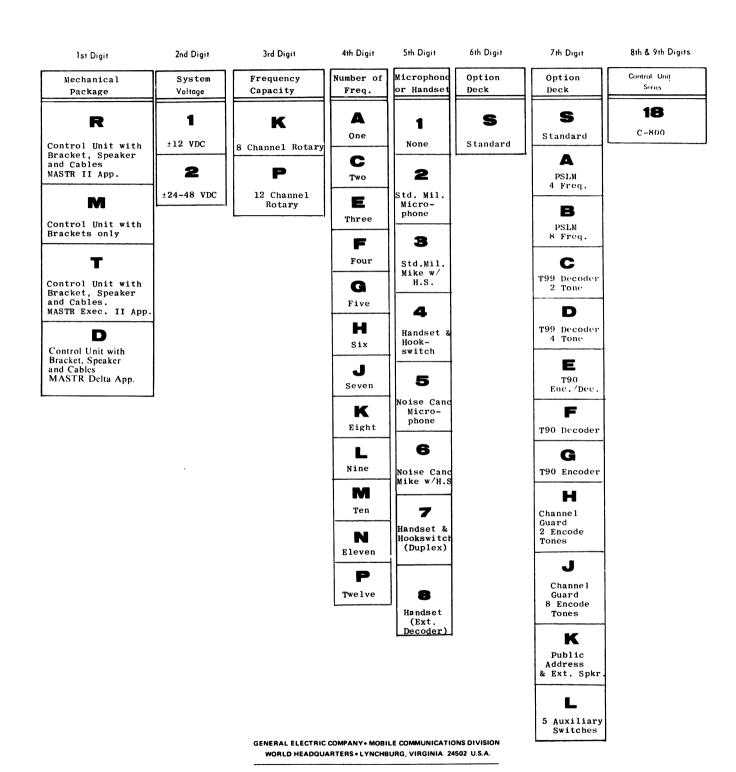
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- WARNING -

Although the highest DC voltage in the radio is supplied by the vehicle battery, high current may be drawn under short circuit conditions. These currents can possibly heat metal objects such as tools, rings, watchbands, etc. enough to cause burns. Be careful when working near energized circuits!

 $\begin{array}{lll} \hbox{High-level RF energy in the transmitter Power Amplifier assembly can cause RF burns.} \\ \hbox{KEEP AWAY FROM THESE CIRCUITS when the transmitter is energized!} \end{array}$

COMBINATION NOMENCLATURE



GENERAL ELECTRIC

DESCRIPTION

The C-800 Control Unit (with rotary control) is an attractively styled, highly functional unit that provides maximum versatility in radio control (See Figure 1). This control unit can be used to control either the MASTR II or MASTR Executive II radios. The C-800 series control unit may be equipped with one of three different pushbutton switch options, one of six different component board options, a Noise blanker Disable switch, and may be modified to include the Fixed Squelch option.

The pushbutton switch options include Channel Guard Monitor (MON), Internal/External Speaker (EXT) or Dual Control (CONT) when two control units are used to control a single radio. The component board options include the following:

- Multi-tone Channel Guard Encoders (2 or 8 tones)
- Priority Search Lock Monitor (4 or 8 channels)
- Type 90 Tone Encoder/Decoder
- Type 99 Tone Decoder (Selective call)
- Public Address
- Auxiliary Switch Board

A control module occupies the control desk (lower) and provides the volume, squelch, and power controls; the Channel Selector

switch, and the Transmit and Channel Busy Indicators.

All pushbutton light switches are backlighted with light-emitting diodes (LED's) for reliability, long life and low power consumption.

CONTROL UNIT

The control unit consists of a front panel, a sheet metal housing, a printed wire board backplane, a rear cover, associated subassemblies (Component Boards which plug into the printed wire board backplane) and mounting brackets with hardware.

The front panel is made of molded LEXAN® plastic and contains clearance holes for pushbutton switches and applicable indicator lights (LEDs). Slots for the thumbwheel type VOLUME and SQUELCH controls are also provided.

Mounted on the front of the plug-in modules are switches, controls, and indicators. Necessary controls and pushbutton switches protrude through holes and slots in the front panel of the control unit. Light emitting diodes are mounted behind the pushbutton assemblies to provide illumination. Normally the indicators glow at reduced intensity until selected (depressed), then full illumination is provided. The VOLUME and SQUELCH controls are part of the control module and are mounted horizontally.

The control unit rear cover/backplane assembly provides a means for connecting

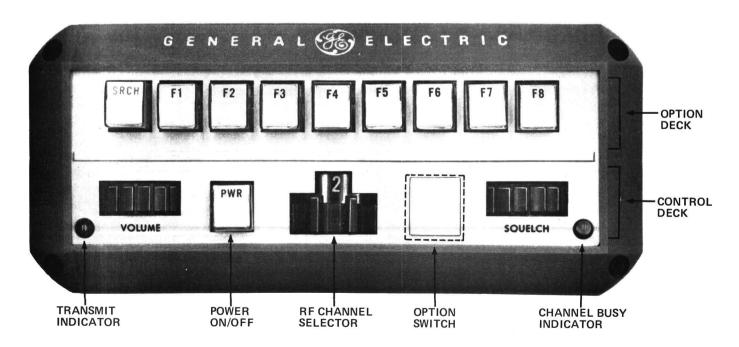


Figure 1 - C-800 Series Control Unit (Rotary Control)

LBI30224 DESCRIPTION

the Power/Control Cable, microphone connector, and universal tone connector. Cable plugs are secured to the rear cover by plastic locking clips. Plugs are equipped with indexing tabs to assure connection to the correct jack. The control cable is equipped with a strain relief hook that attaches to the flange at the bottom of the rear cover.

The microphone plug is secured to the microphone jack located on the rear cover by means of a captive locking screw. A nine pin Winchester connector (Optional) is available to permit use of external tone equipment.

The backplane board is attached to the inside of the rear cover, and interconnects the control and option modules with the control cable and microphone cable.

power Control Cable connections are made to the connectors (J902 and J903) located along the bottom of the backplane board. Three sets of 19 feed-through posts permit connection of the control cable and the control module (plugged in from the front of the housing). These connections are shown on the backplane board and the control cable Wiring Diagrams.

CIRCUIT ANALYSIS

The Control Module is equipped with a VOLUME control (R701), SQUELCH control (R702), PWR ON-OFF pushbutton switch and indicator (S701 and CR704), a yellow Channel Busy Indicator (CR706), a red Transmit Indicator (CR705) and a Channel Selector Switch (S702).

When the PWR ON-OFF switch is in the "off" position, power is removed from the radio except for the transmitter PA, which is connected to the vehicle battery at all times. Pushing the switch in to the "on" position applies power to the radio, and lights the power-on LED behind the pushbutton switch.

CR701 and CR708 are protective diodes and will cause the fuse in the yellow lead to blow if the polarity is reversed.

TRANSMIT INDICATOR

Pressing the PTT switch on the microphone energizes the antenna switch, keys the transmitter, mutes the receiver, and lights the transmit indicator LED.

Releasing the PTT switch turns off the transmitter and transmit indicator, deenergizes the antenna switch and, when receiving, unmutes the receiver.

CHANNEL BUSY INDICATOR

When no signal is applied to the receiver, the Carrier Activity Sensor (CAS) voltage from the receiver squelch IC is near A-. This forward biases diode CR702 in the control unit, keeping Q701 turned off. When a signal is applied to the receiver (with or without audio), the CAS voltage rises to approximately 10 Volts. This reverse biases CR702, allowing Q701 to conduct, turning on Channel Busy Indicator CR706. The indicator will remain on as long as a signal is applied to the receiver, or until the transmitter is keyed.

CHANNEL SELECTOR SWITCH

The Channel Selector switch is a 12-position rotary switch with a mechanical stop that limits rotation from one through twelve positions as required.

The Channel Selector switch selects the desired channel for both transmitting and receiving. The switch connects A- to the selected transmitter and receiver oscillator modules so that the radio operates on the selected channel.

PUSHBUTTON AND SWITCH OPTIONS

The pushbutton and switch options identified below consist of a switch and associated components.

Pushbutton options

- Channel Guard Monitor
- Internal/External speaker
- Dual Control

Switch options

- Noise Blanker Disable
- Fixed Squelch

CHANNEL GUARD MONITOR

For radios equipped with the Channel Guard monitor option, the control unit is equipped with a separate pushbutton switch (MON) located just to the right of the channel selector switch. When pressed the MON switch overrides the Channel Guard and permits monitoring the selected channel. The MON pushbutton switch is paralled by an alternate channel guard monitor switch mounted on the microphone hang-up bracket which includes a micro-switch that is activated by removal of the microphone. Since these switches operate in parallel, either switch monitors the channel selected.

INTERNAL/EXTERNAL SPEAKER

In radios with the Internal/External Speaker option, the control unit is equipped with a pushbutton switch marked EXT. An external speaker is mounted outside of the vehicle passenger compartment (on the roof, under the hood, etc.).

When the pushbutton switch is not operated, all of the messages received will be heard on the internal speaker mounted within the vehicle and the pushbutton light will be off.

Pressing the switch in turns on the pushbutton light and applies approximately 90% of the receiver audio to the external speaker and 10% to the internal speaker. This allows the received messages to be heard while the operator is inside or outside of the vehicle.

Up to approximately 2 Watts of audio is dissipated internally by resistor R711. An additional 10 milliamperes is required to operate the LED. The loudspeaker is capable of 25 Watts audio power. Its impedance is 8 ohms and the voice coil resistance is 6.75 ohms \pm 15%. Refer to Maintenance section for installation instructions.

DUAL CONTROL

In radios with two control units, a Dual Control pushbutton switch mounted on each control unit is used to transfer control of the radio from one control unit to the other.

When the pushbutton is pressed, the pushbutton light turns on to indicate control of the radio. Control remains with this control unit until the Dual Control switch on the second control unit is operated. At this time the pushbutton-light will turn off on the first control unit and the second control unit will assume control.

FIXED SQUELCH

In radios with the Fixed Squelch option, a two-position rotary switch replaces the standard variable squelch potentiometer. A squelch potentiometer is mounted on J904 on the system board (see Front Panel & System Board Maintenance Manual).

Turning the optional squelch switch on the control unit to the right applies A- to the squelch disable lead. A- is connected to pin 2 of the receiver audio IC (U604), disabling the squelch circuit (and Channel Guard if present). Turning the switch to the left removes A- from pin 2 of the squelch IC, enabling the squelch circuit (and Channel Guard).

NOISE BLANKER DISABLE (MASTR II ONLY)

In radios with Noise Blanker Disable option, the noise blanker disable switch is mounted on the back of the control unit (see Outline Diagram). Placing the switch in the DISABLE position applies A- to the blanker disable lead, disabling the noise blanker circuit. A- is connected to the blanker disable circuit by a jumper from H63 to H66 on the system board.

Placing the switch in the ENABLE position removes A- from the blanker disable lead, allowing the blanker to operate.

COMPONENT BOARD OPTIONS

The component board options are:

- Multi-Frequency Channel Guard Encoders
- Priority Search Lock Monitor
- Type 90 Tone Encoders/Decoders
- Type 99 Tone Decoders
- Public Address
- Auxiliary Switch

PRIORITY SEARCH LOCK MONITOR (PSLM)

In radios with four or eight frequency PSLM, the PSLM component board is equipped with up to nine back lighted pushbutton switches (push-push) for control and non-priority channel selection.

The search switch (SRCH) turns the PSLM "on" or "off"; the remaining push-button switches select the non-priority channels to be searched. The priority channel is selected by the channel selector switch or strapped to a specific channel. For complete details, refer to the PSLM Maintenance Manual.

PUBLIC ADDRESS (MASTR II ONLY)

In radios equipped with the Public Address option, the component board is equipped with a volume control and two back lighted pushbutton switches; PA (Public Address) and EXT (External). The volume control for the external speaker is independent of the receiver volume control. A reentrant type speaker with 20-feet of speaker cable is provided with this option.

When neither pushbutton switch is pressed, the radio operates normally.

When the EXT and PA pushbutton switches are pressed, the receiver audio is split between the internal and external speakers. Pressing the PTT switch connects the microphone to the external speaker through the audio amplifier. The transmitter is rot keyed.

When only the "EXT" pushbutton switch is pressed, the received audio is split (approximately 30% to internal speaker). Pressing the PTT switch keys the transmitter.

When the PA pushbutton switch is pressed, the received audio is heard only in the internal speaker. Pressing the PTT switch connects the microphone to the external speaker through the audio amplifier. The transmitter is not keyed.

The pushbutton switches are normally backlighted at a low level. They become brighter when the pushbuttons are pressed to indicate the selected mode of operation.

For complete details, refer to the Maintenance Manual for the Public Address option.

TYPE 90 TONE ENCODERS AND DECODERS

Type 90 Tone equipment provides tone coded message transmissions to eliminate receipt of unwanted calls. A single tone burst preceds the first transmission. The TONE pushbutton allows the tone to be sent manually if desired. All Type 90 Tone Encoders and Decoders generate or decode a single tone, selectable from ten standard Type 90 tones.

Two pushbutton light switches (CALL and TONE) are used to control the encode and decode functions. The CALL pushbutton is not present on encode only units. The TONE pushbutton is not included on decode only units. The CALL pushbutton light is normally off, and flashes on and off when a properly tone coded message is received. The CALL pushbutton also provides the manual reset and monitor functions. When momentarily pressed, it resets the decoder; when held in it allows the operator to monitor the receive channel(s). Automatic reset and manual monitoring functions may also be provided by a separate microphone or handset hookswitch.

Optionally, there may be two additional pushbutton switches to control the selection of the type of external alarm desired - horn or light. The TONE, HORN and LITE pushbuttons are backlighted and become brighter when selected. When the HORN pushbutton is selected and a properly tone coded message is received, the horn will sound for approximately one-second. If the LITE pushbutton is selected, the lights will come on and remain on until reset.

TYPE 99 TONE DECODERS

Type 99 Tone equipment provides individual or group call capability using either

two or four Versatone networks (Versatone networks determine the tone frequencies). A CALL light, normally off, will flash on and off when a properly tone coded message is received. Momentarily pressing the CALL pushbutton switch provides the manual reset functions. When held in, it enables the user to monitor the receiver channel(s). Automatic reset and manual monitoring functions may also be provided by a separate microphone or handset hookswitch.

Optionally, there may be two additional pushbutton switches to select the type of external alarm desired - horn or light. Both switches are backlighted and become brighter when selected.

When the HORN pushbutton is selected and a properly tone coded message is received, the horn will sound for approximately one-second; if the LITE pushbutton is selected the lights will turn on and remain on until reset.

MULTI-FREQUENCY CHANNEL GUARD ENCODERS

Channel Guard is a continuous tone-controlled squelch system that provides communications control by enabling the user to monitor or receive only the tone coded messages intended for him. One of two Channel Guard encoders may be used to provide two-tone or up to eight-tone capability.

Each Channel Guard encoder consists of a program board mounted on top of the channel selector board. The program board may be programmed for all standard CG tone frequencies in accordance with EIA Standard RS-220. It may also be reprogrammed in the field as required.

The channel selector board contains a Channel Guard control and up to eight push-button switches to select one of the programmed Channel Guard tones for transmission.

When the CG pushbutton switch is pressed, power is applied to the component board and the CG light is at maximum brightness. The tone selector pushbuttons are backlighted at a somewhat lower level to indicate the unit is operable.

When a tone selector pushbutton switch (A-H) is pressed the selected pushbutton will light at maximum brightness to indicate the tone selected for transmission. The tone selector pushbuttons are mechanically interlocked so that only one switch may be operated at a time.

AUXILIARY SWITCH BOARD

The Auxiliary Switch option consists of a component board equipped with five push-button switches, an interconnecting cable harness, 20-feet of 15-conductor cable and a sheet of peel-off labels.

The five pushbutton switches, two momentary and three push-push, are all backlighted and increase to maximum brightness when

depressed. This arrangement of switches allows the user to select and control external devices.

UNIVERSAL TONE CONNECTOR OPTION 9409

A nine pin Winchester jack (J750) is mounted on the rear cover to provide interface connections to external tone equipment. J750 interconnects with J910 on the backplane board through a small cable harness. See wiring diagram for Backplane Board for details.

DC CONVERTER MODIFICATIONS (MASTR II ONLY)

In radios equipped with the DC converter, the POWER-ON switch is modified so that the input voltage is applied directly to the DC converter. Instructions for the modification are shown on the control unit Schematic Diagram.

12-VOLT IGNITION SWITCH CONNECTIONS

In 12-Volt vehicle systems, the control unit may be connected for two different modes of operation, depending on the way

the ignition switch cables are connected in the vehicle system (See Figures 2 & 3). The black cable provides the system ground connection. The yellow fused lead provides the receiver hot connections and the transmitter PTT hot connection. The two types of operation are:

- 1. Ignition Switch Control For ignition switch control, the yellow fused lead connects to the ACCESSORY or ON terminal of the ignition switch. The transmitter and receiver will operate only when the ignition switch is in the ACCESSORY or ON position. Turning the ignition switch OFF removes all power to the radio.
- 2. Ignition Switch Bypass For ignition switch bypass, the yellow fused lead connects to the "hot" side of the ignition switch or the vehicle fuse block assembly. Both the transmitter and receiver operate independently of the ignition switch and are turned on and off only by the POWER-ON switch on the control unit.

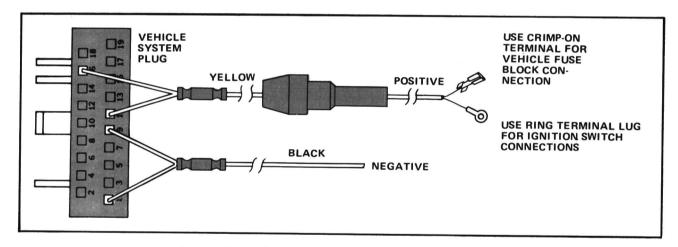


Figure 2 - 12-Volt, Negative Ground Connections

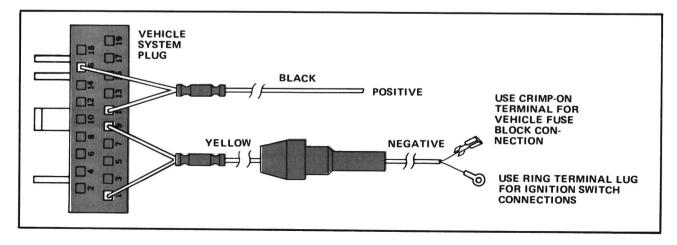


Figure 3 - 12-Volt, Positive Ground Connections

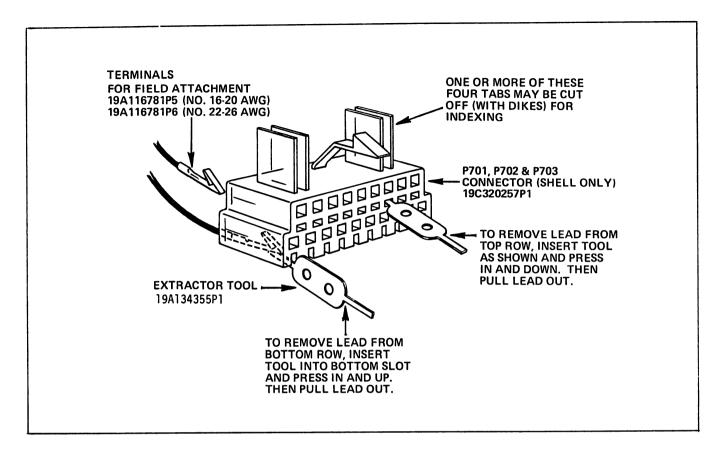


Figure 4 - Using Extraction Tool

RE-INSTALLATION

±12-Volt Systems (MASTR II Only)

If the radio is moved to a different vehicle, always check the battery polarity and voltage of the new system before using the radio.

If the radio is moved to a vehicle with different battery polarity, it will be necessary to change the ignition switch leads to the vehicle system plug. Use the extraction tool as shown in the above illustration, and change the leads as required.

DC CONVERTER CONNECTIONS (MASTR II Only)

For combinations equipped with the DC converter, a single red fused lead is used. The fused lead always connects to battery plus in either positive or negative ground systems. Refer to Schematic Diagram for wire connection information.

---CAUTION-

When using the DC Converter, do not connect battery ground to Control Unit A-. To do so may cause failure of the current limiting circuit in the converter.

MA INTENANCE

DISASSEMBLY

To disassemble the control unit, remove the four allen head screws (7/64") from the corners of the front panel and remove front panel.

REMOVAL AND REPLACEMENT OF OPTION MODULES

To remove an option module, grasp the outer corners of the printed wire board and pull firmly until loose. Slide module out of guide slots. Be careful not to grasp any components or switches when removing module.

-NOTE-

Each module is notched on the outer right edge. In some instances where the module is seated very tightly it may be necessary to insert a flat blade screw driver in the notch and, using the side of the control unit as a fulcrum, pry the module loose. It will now slide out easily.

To replace an option module, carefully insert module in appropriate guides slots and, with thumbs positioned on top edge of module, press firmly on the printed wire

board until module seats. Be careful not to apply pressure to any components or switches.

REMOVAL AND REPLACEMENT OF CONTROL MODULE

To remove the control module (lower deck), insert a flat blade screw driver in the notch located on the outer right edge of module and, using the side of the control unit housing as a fulcrum, pry the control module loose. Considerable force may be required since there are three 21-pin connectors making contact with the backplane board.

To replace the control module, carefully insert module in guide slots and make sure connectors mate properly. Hold a dull instrument (such as a flat blade screw driver) on the edge of the control module directly below the volume and then the squelch control and using your other hand push the module into place. In some instances, it may be necessary to drive or tap the module squarely into place.

There are two rows of contacts to be engaged. When the module is seated properly, the connectors on the control module will be flush with the backplane board.

INSTALLATION

INTERNAL/EXTERNAL SPEAKER

Control Units equipped with the factory installed Internal/External Speaker Option is supplied with an external Speaker (19B209452P2) and a Speaker Cable Assembly (19B219826G1). Mount the external Speaker in the desired location (on vehicle roof, under hood, etc.) and make the Speaker electrical connections to the Vehicle System Plug (P701) using the cable assembly in accordance with the following:

EXTERNAL SPEAKER MOUNTING

- Using the backing plate as a template, mark and drill two 13/64-inch holes for the backing plate retaining screws, and four 9/32-inch holes for the speaker mounting screws. Next, drill a 5/8-inch hole for the Speaker Cable and insert rubber grommet in the hole.
- 2. Attach the backing plate to the mounting surface with two #8-32 threadforming screws and lockwashers.
- 3. Route cable from the Control Unit through backing plate (under

mounting surface), grommet, and gasket, to the Speaker (see Figure 5).

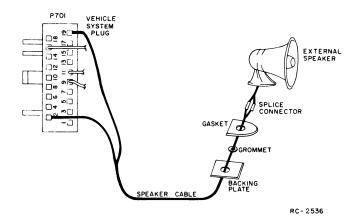


Figure 5 - External Speaker Connections

4. Connect the Speaker Cable leads and the Speaker leads using the two splice connectors furnished.

Do not ground either side of the External Speaker leads.

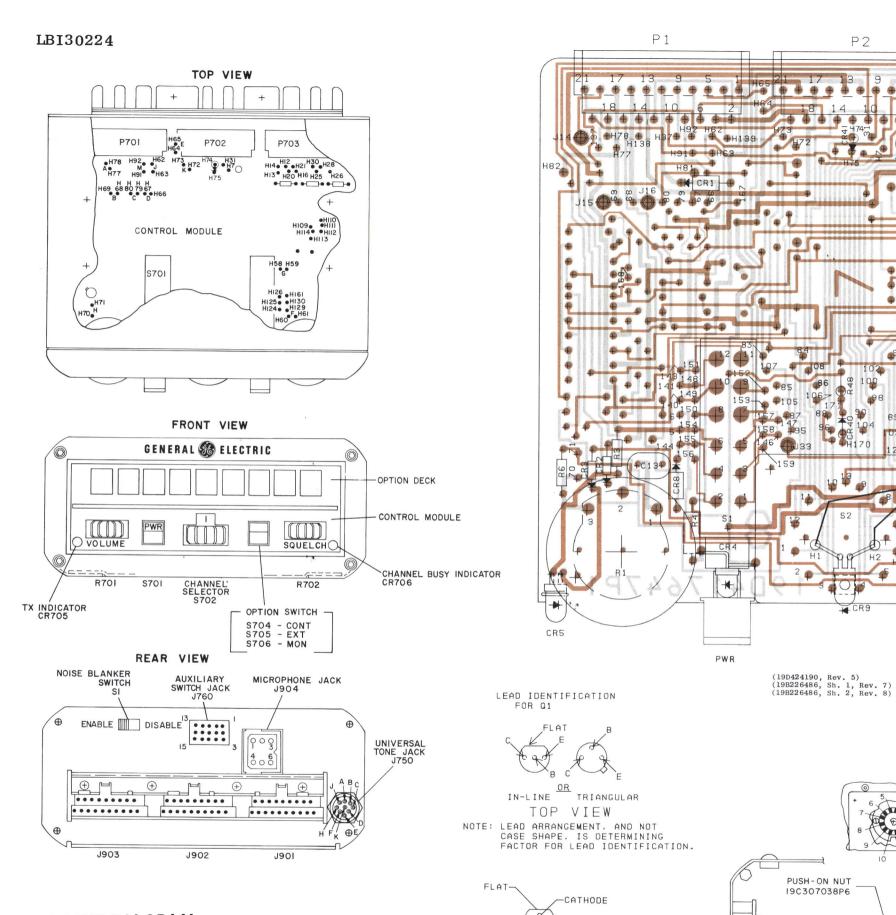
5. Mount the Speaker using four 1/4" x 7/8" screws, and lockwashers supplied.

ELECTRICAL CONNECTION TO VEHICLE SYSTEM PLUG

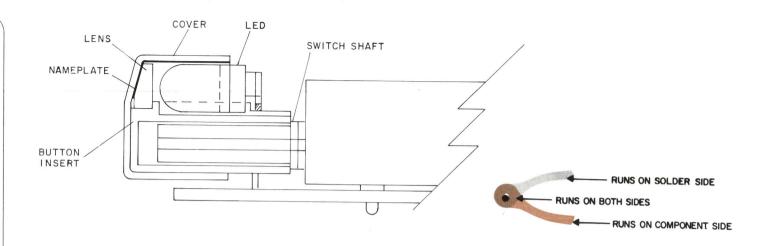
- 1. Insert one lead of the Speaker Cable assembly (19B219826G1) into P701-2 (Speaker Lo of the Vehicle System Plug).
- Insert the other lead of the Speaker Cable assembly into P701-19 (External Speaker Hi of the Vehicle System Plug).
- 3. Strain relieve the Speaker Cable to the Control Unit using a standard cable clamp (not supplied) in order to prevent damage to P701-2 and P701-19.
- 4. Connect P701 (Vehicle System Plug to J701 on the control unit. The Internal/External Speaker Option is now ready for operation.

INTERNAL EXTERNAL SWITCH

Refer to Control Unit Outline Diagram and External/Internal Speaker Schematic Diagram for installation information.



LEAD IDENTIFICATION FOR CR5, CR6, CR9, CR4, CR27



FOR FOLLOWING CONNECTIONS SEE WIRING DIAGRAM 19R622092 G H58 H59 H60 H61

PARTIAL REFERENCE DESIGNATIONS ARE SHOWN. FOR COMPLETE DESIGNATION, PREFEX WITH 700 SERIES. EXAMPLE CI-C701, RI-R701, ETC.

CHANNEL SELECTOR SWITCH STOP SETTING

0000000000000000

(OPTION SWITCH)

ADJUSTABLE STOP WITH LONG TAB

- 4-40 X 3/6 (2 PLACES)

ADJUSTABLE STOP WITH SHORT TAB

FREQ. INDICATOR BOARD

(19D424237, Rev. 3)

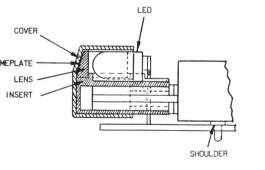
ADJUST CHANNEL SELECTOR SWITCH TO DESIRED STOP AS FOLLOWS:

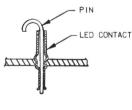
- I. REMOVE (2) 4-40 X 3/16 SCREWS HOLDING FREQUENCY INDICATOR BOARD ABOVE SWITCH
- ROTATE KNOB SO THAT "I" IS AT FRONT OF MODULE & SLIDE KNOB OFF SWITCH SHAFT.
- 3. REMOVE ADJUSTABLE STOP WASHERS. IF 12 CHANNELS ARE USED, DISCARD BOTH STOP WASHERS. IF LESS THAN 12 CHANNELS ARE USED, INSERT ADJUSTABLE STOP WASHER WITH SHORT TAB INTO H12. INSERT ADJUSTABLE STOP WASHER WITH LONG TAB INTO. HOLE SHOWN FOR THE NUMBER OF CHANNELS USED.
- 4. INSTALL PUSH-ON NUT.
- 5. REASSEMBLE KNOB & FREQUENCY INDICATOR BOARD.

OPTION SWITCH INSTALLATION

- UNSOLDER & DISCARD PIN FROM LED CONTACT. (IDENTIFIED BELOW) DO NOT UNSOLDER OR DAMAGE LED CONTACT. HOLE THRU LED CONTACT MUST REMAIN OPEN.
- 2. INSTALL' & SOLDER SWITCH. SHOULDER OF SWITCH TERMINAL MUST BE TIGHT AGAINST BOARD, .010 MAX GAP AFTER SOLDER.
- 3, INSTALL & SOLDER LED.
- 4. MAKE CONNECTIONS & SOLDER PER CONNECTION CHART. INSULATE DA WIRE WITH INSULATION SLEEVING A4038593P5 SUPPLIED WITH "MON" AND "EXT" SWITCH IF REQUIRED TO PREVENT SHORTS.

OPTION SW	ITCH CONNECTION	CHART	
OPTION	WIRE	FROM	то
CG MONITOR OPTION 9404	SF22-BL SF22-BK DA DA	HI17 HI16 HI32 HI34	J733 J729 H126 H125
DUAL CONTROL OPTION 9412	SF22-R SF22-BL SF22-BK REMOVE R748	J735 HII7 HII6	J737 J736 H 37
INT/EXT SPKR OPTION 9413	SF22-R SF22-0 SF22-BL INSTALL R711 REMOVE DA JUMPER "B" DA DA	HII7 HII6 HII5 H 8I H 68 HI32 HI34	J714 J716 J715 H 82 H 69 H126 H125





SHOWN IN OVERTRAVEL POSITION

OUTLINE DIAGRAM

C-800 SERIES ROTARY CONTROL UNIT

Issue 3

(RC-3011)

REV LETTER

PERFORMANCE. REPLACEMENT OF ANY

SERVICE PART SHOULD BE MADE ONLY WITH

A COMPONENT HAVING THE SPECIFICATIONS

SHOWN ON THE PARTS LIST FOR THAT PART.

MODEL NO

19D417750GI

PARTS LIST

*COMPONENTS ADDED, DELETED OR CHANGED BY PRODUCTION CHANGES.

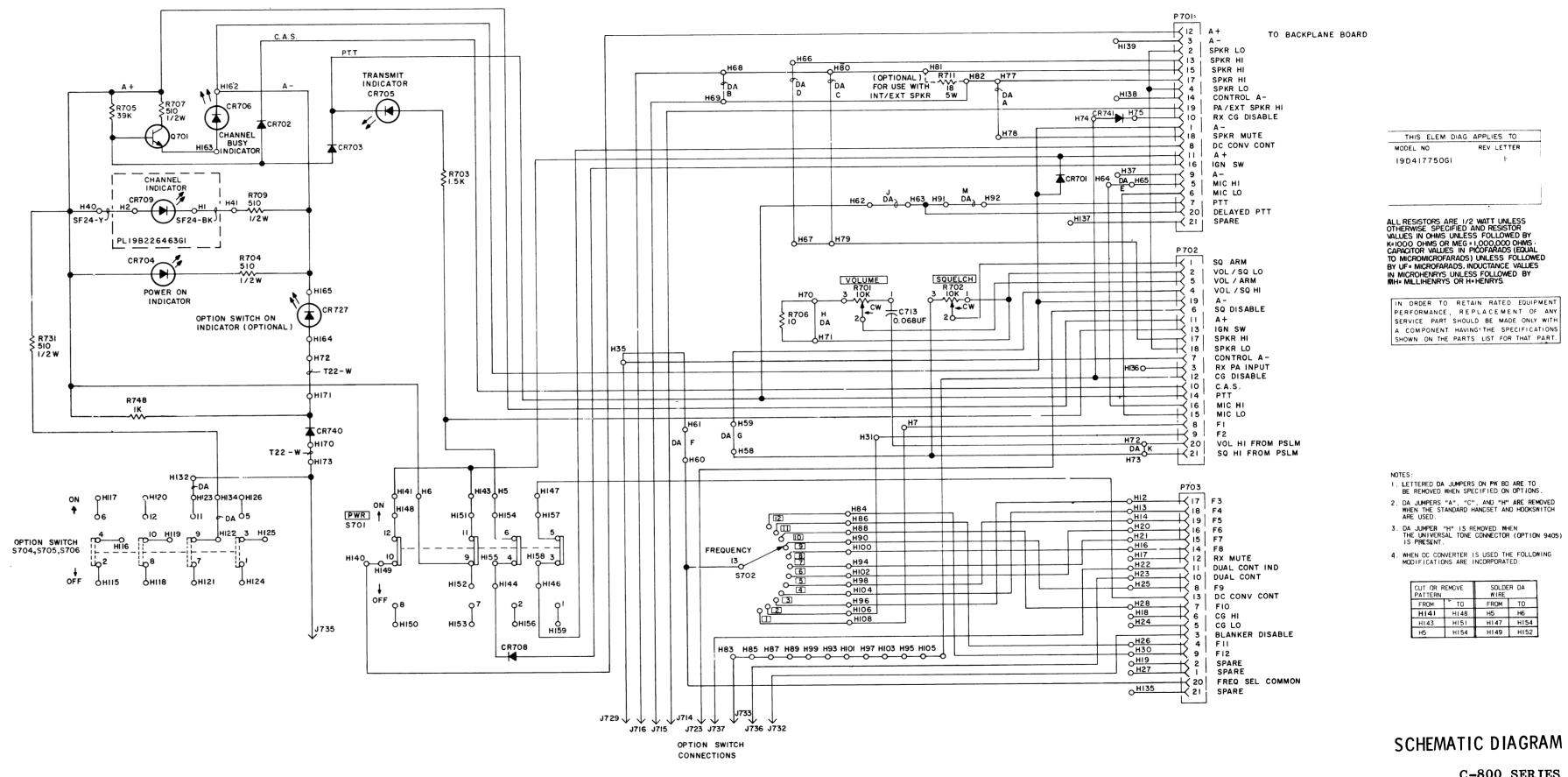
LB130219F

		LB130219F	i	1	Switches
	C-800/C-900	SERIES CONTROL UNIT (ROTARY)	S701	19B233625G1	Push: 4PDT, 1 station, alternate action; sim to Switchcraft 14S-5323C.
		AND ACCESSORIES	S702	19B209559P1	Rotary: 1 section, 2-12 positions (adj stops); sim to Oak Mfg. Co. 5-68511-411.
	T				MISCELLANEOUS
SYMBOL	GE PART NO.	DESCRIPTION		19C321966C1	Housing (C-800 SERIES).
	ļ		1	19B227016G1	Housing (C-900 SERIES).
		CONTROL MODULE		19B227239G1	Rear Cover (C-800 SERIES).
		19D417750G1		19C321021G1	Rear Cover (C-900 SERIES).
				19B227248G2	Front Panel (C-800 SERIES).
C713	19A116080P106	Polyester: 0.068 µf ±10%, 50 VDCW.		19C321085G2	Front Panel (C-900 SERIES WITHOUT FIXED SQUELCH).
CILS	15/11/100001 100	1.00,00000 2.00,000		19C321085G4	Front Panel (C-900 SERIES WITH FIXED SQUELCH).
	İ	DIODES AND RECTIFIERS		19A130191P1	Option Bay Cover (C-900 SERIES).
CR701	4037822P1	Silicon, 1000 mA, 400 PIV.		19A134112P1	Cap screw. (Secures Front Panel to Housing- Part of front panel).
CR702 and	19A115250P1	Silicon, fast recovery, 225 mA, 50 PIV.		19B226484G1	Frequency Indicator Knob.
CR703	1			1	Component Board. (Located CR709).
CR704	19A134354P7	Diode, optoelectronic: yellow; sim to Hew. Packard 5082-4555.		19B226463G1	Spacer. (Located between component board and
CR705	19A134354P1	Diode, optoelectronic: red; sim to Hew. Packard 5082-4655.		19A121360P3	Housing at S702). Knob. (Used with R701 and R702).
CR706	19A134354P7	Diode, optoelectronic: yellow; sim to Hew.		NP276443	Nameplate, frequency. (1-12).
CRIOO	15/15/15/15/1	Packard 5082-4555.		19C321004P1	Lens. (S701-PWR).
CR708	4037822P1	Silicon, 1000 mA, 400 PIV.		NP276459P19	Nameplate. (PWR).
CR709	19A134354P7	Diode, optoelectronic: yellow; sim to Hew.		1	Insert. (S701-PWR). (Not used).
CR740	19A115250P1	Silicon, fast recovery, 225 mA, 50 PIV.		19B226331P1	Pushbutton. (S701-PWR).
CR741*	19A116052P2	Hot carrier: Fwd. drop .410 volts max.		19B226334P1	Contact. (Located between P701, P702, P703 and
		In REV A:		19A130261G1	Control Module Board).
	19A115250P1	Silicon, fast recovery, 225 mA, 50 PIV. Added by REV A.	1		
				19A115010P3	Contact, electrical: sim to Malco Tool & Mfg Co. 13A009-11. (Located at CR4, CR27).
		JACKS AND RECEPTACLES		19A130553P1	Pin. (Located at CR4, CR27).
J714 thru J716	4033513P4	Contact, electrical: sim to Bead Chain L93-3.			
J723	4033513P4	Contact, electrical: sim to Bead Chain L93-3.	1		ASSOCIATED ASSEMBLIES
J729	4033513P4	Contact, electrical: sim to Bead Chain L93-3.		1	
J732 and J733	4033513P4	Contact, electrical: sim to Bead Chain L93-3.			POWER/CONTROL CABLE MASTR 11 INTERFACE 30 CONDUCTOR 19D423424G8
J735 thru	4033513P4	Contact, electrical: sim to Bead Chain L93-3.			
J737	1		P702		Connector. Includes:
				19B226516G1	Shell.
P701 thru P703	19C321106P1	Connector, printed wiring: 20 terminals rated at 5 amps per terminal.		19A116781P5	Contact, electrical: wire size No. 18-24 AWG; sim to Molex 08-50-0106. (P702-11, P702-17 thru P702-19).
Q701	19A115910P1	TRANSISTORS		19A116781P6	Contact, electrical: wire size No. 22-26 AWG; sim to Molex 08-50-0108. (P702-1 thru P702-10,
9701	1541155151	RESISTORS	P703		p702-12 thru p702-16). Connector. Includes:
R701	19B209535P2	Variable, carbon film: 10K ohms ±20%, 1/4 w; sim	1	19B226516G2	Shell.
		to Mallory Style LCN-TM4.		19A116781P6	Contact, electrical: wire size No. 22-26 AWG;
R702	19B209535P1	Variable, carbon film: 10K ohms ±20%, 0.5 w; sim to Mallory Style LCN-TM4.			sim to Molex 08-50-0108. (P703-3, P703-10 thru P703-19).
R703	19A700106P67	Composition: 1.5K ohms ±5%, 1/4 w.		1	MISCELLANEOUS
R704	3R77P511J	Composition: 510 ohms ±5%, 1/2 w.		7139880P14	Cable: 27 conductor, 18 feet.
R705	19A700106P101	Composition: 39K ohms ±5%, 1/4 w.		7142878G1	Clip loop (strain relief).
R706	19A700106P15	Composition: 10 ohms ±5%, 1/4 w.		19A115799P1	Terminal, solderless: sim to AMP 33460.
R707	3R77P511J	Composition: 510 ohms ±5%, 1/2 w.		1	(Quantity 2).
R709	3R77P511J	Composition: 510 ohms ±5%, 1/2 w.		1	
R731	3R77P511J	Composition: 510 ohms ±5%, 1/2 w.			
R748	19A700106P63	Composition: 1K ohms ±5%, 1/4 w.			

GE PART NO.

SYMBOL

DESCRIPTION	
Push: 4PDT, 1 station, alternate action; sim to Switchcraft 145-5323C.	
Rotary: 1 section, 2-12 positions (adj stops); sim to Oak Mfg. Co. 5-68511-411.	
MISCELLANEOUS	
Housing (C-800 SERIES).	
Housing (C-900 SERIES).	
Rear Cover (C-800 SERIES).	
Rear Cover (C-900 SERIES).	
Front Panel (C-800 SERIES).	
Front Panel (C-900 SERIES WITHOUT FIXED SQUELCH).	
Front Panel (C-900 SERIES WITH FIXED SQUELCH).	
Option Bay Cover (C-900 SERIES).	
Cap screw. (Secures Front Panel to Housing- Part of front panel).	ſ
Frequency Indicator Knob.	
Component Board. (Located CR709).	
Spacer. (Located between component board and Housing at S702).	
Knob. (Used with R701 and R702).	
Nameplate, frequency. (1-12).	
Lens. (S701-PWR).	
Nameplate. (PWR).	
Insert. (S701-PWR). (Not used).	
Pushbutton. (S701-PWR).	}
Contact. (Located between P701, P702, P703 and Control Module Board).	
Contact, electrical: sim to Malco Tool & Mfg Co.	
13A009-11. (Located at CR4, CR27).	
Pin. (Located at CR4, CR27).	
ASSOCIATED ASSEMBLIES	
POWER/CONTROL CABLE MASTR II INTERFACE 30 CONDUCTOR 19D423424G8	
Connector. Includes:	
Shell.	0PTI 5704
Contact, electrical: wire size No. 18-24 AWG; sim to Molex 08-50-0106. (P702-11, P702-17 thru P702-19).	
Contact, electrical: wire size No. 22-26 AWG; sim to Molex 08-50-0108. (P702-1 thru P702-10, P702-12 thru P702-16).	
Connector. Includes:	
Shell.	
Contact, electrical: wire size No. 22-26 AWG; sim to Molex 08-50-0108. (P703-3, P703-10 thru P703-19).	
MISCELLANEOUS	
Cable: 27 conductor, 18 feet.	
Clip loop (strain relief).	
Terminal, solderless: sim to AMP 33460. (Quantity 2).	



SCHEMATIC DIAGRAM

CUT OR REMOVE SOLDER DA WIRE

FROM TO FROM TO H141 H148 H5 H6 H143 H151 H147 H154

C-800 SERIES ROTARY CONTROL MODULE

Issue 5

(19R622092, Rev. 9)

SYMBOL	GE PART NO.	DESCRIPTION	SYMBOL	GE PART NO.	DESCRIPTION	SYMBOL	GE PART NO.	DESCRIPTION	SYMBOL	GE PART NO.	DESCRIPTION	SYMBOL	GE PART NO.	DESCRIPTION	s
P901		Connector, Includes;	P9 03		Connector. Includes:			OPTIONAL 12-VOLT 3-mIRE IGNITION SmITCH CABLE			Fixed squelch option				
	19C307162P1	Shell.		19B226516G2	Shell.			19B219537G1	1		19A130896G1	P910		Connector. Includes;	11
	19A701376P1	Contact, electrical: wire size 24-20 AWG; sim to AMP 350657-1. (P901-1 thru P901-26).		19A116781P5	Contact, electrical: wire range No. 18-24 AwG;								19A116659P89	Connector, printed wiring: 10 contacts; sim to Molex 09-50-3101.	
	19A701376P2	Contact, electrical: wire size 20-16 AWG; sim to	1		sim to Molex 08-50-0106.	P701		Connector. Includes:	P1723	4033348P1	Contact, electrical: sim to Bead Chain M125-34.		19A116781P6	Contact, electrical: wire range No. 22-26 AWG;	F
	10.50105000	AMP 350656-1. (P901-27 thru J901-30).		19A116781P6	Contact, electrical: wire range No. 22-26 AnG; sim to Molex 08-50-0108.		19B226516G3	Shell.	P1729	4033348P1	Contact, electrical: sim to Bead Chain M125-34.		İ	sim to Molex 08-50-0108.	11_
	19A701376P3	Contact, electrical: wire size 12-8 AWG; sim to AMP 350655-1. (P901-39, P901-40).		7142878G1	Clip loop. (strain relief).		19A129504G1	Y Cable. (BLACK).	1		RESISTORS			25 - 50 MHz ANTENNA	
	19A134241P1	Jackscrew.		19A115799P7	Solderless terminal: wire size No. 12-10 AWG; sim to AMP 35772.			FUSED LEAD ASSEMBLY	R702	19A700113P87	Composition: 10K ohms ±5%, 1/2 w.				F4
	N193P1208C6	Tap screw, phillips head: No. 6-20 x 1/2. (Quantity 5).	ļ	19B800629P4	Terminal, solderless: wire range No. 12-10; sim to AMP 31828- LOOSE PC.			19A129480G1 1 AMP (RED) (Used with 19B219537G1)					7491074P1	Antenna: includes stainless steel rod approx 96-1/2 inches long; ball tip; lockwasher; No. 10-32 hex socket set screw; sim to Antenna Specialists ASPASBGE. (30-50 MHz).	$\prod_{i=1}^{n}$
	19C328122P1	Adaptor. (Snaps on to connector shell 19C307162P1) POWER/CONTROL CABLE			12-VOLT 2-WIRE IGNITION SWITCH CABLE		1R16P3	Fuse, quick blowing: 1 amp 250 v; sim to Littelfuse 312001 or Bussmann AGC-1.	\$1701	19a116906P2	Rotary: 1 section, 1 pole, 2 positions, non- shorting contacts, 2 amp at 28 VDC or 1 amp at 110 VRMS; sim to Oak Mfg. 5-11158-210.		7491074P2	Antenna: includes stainless steel rod approx 102 inches long: ball tip: No. 10-32 hex socket	
-		MASTR II INTERFACE 38 CONDUCTOR			19B219537G4		19A115776P6	Fuseholder, phen; sim to Bussmann No. 9835 mates with knob.						set screw; sim to Antenna Specialists ASPA3BGE. (25-50 MHz).	Π
		19D423424G14			PLUGS		19A115776P5	Knob assembly; sim to Bussmann 9953-1/2.	Ì		DUAL CONTROL OPTION 19B227037G5		7102930P3	Adapter, antenna: approx 2-5/16 inches long. (Used with GE Dwg 7491074P1).	
			P701		Connector, Includes;	Ì	19A115776P7	Fuseholder, phen: sim to Bussmann 1A1853.					4 KY9A 1	Loading coil: 25-33 MHz; sim to Antenna	
P702		Connector, Includes:		19B226516G3	Shell.		19A115776P3	Contact, electrical: sim to Littelfuse 904-88. (Located inside fuseholder).	S704	19B233625G3	Switch, pushbutton: 2PDT, 1 station, momentary action, 1.1 amp at 14 VDC.		41941	Specialists ASPA87.	
	19B226516G1	Shell.		19A129504G1	Y Cable. (BLACK).		740102207	Ring terminal, solderless; wire size No. 16-14 AwG.		19B226334P1	Pushbutton.		19A121577G1	Antenna hook kit.	Π
	19A116781P5	Contact, electrical: wire size No. 18-24 AWG; sim to Molex 08-50-0106. (P702-11, P702-17 thru			FUSED LEAD ASSEMBLY		7491823P7	Ring terminal, solderless; wire size No. 16-14 AWG.		19C321004P1	Lens. (Not Used).		7134724P1	Antenna hook.	
		P702-19).			19A129480G3 (Used with 19B219537G4)		7491823P8 4029484P2	Terminal, quick connect: wire size 14-18 AWG,		19B226331P1	Insert. (Part of switch).		19C307172P1	Antenna Package: Includes base and ball assembly, adapter spring assembly, cable assembly, horseshoe	
	19A116781P6	Contact, electrical: wire size No. 22-26 AWG; sim to Molex 08-50-0108. (J702-1 thru J702-10,					102510172	fits 1/4 x .032 tab; sim to AMP 41274.		19A134354P7	Diode, optoelectronic: yellow; sim to Hew. Packard 5082-4555.			plate, and rubber gasket.	
		J702-12 thru P702-16).		1R16P8	Fuse, quick blowing: 5 amps at 250 v; sim to Littelfuse 312005 or Bussmann MTH-5.		19A116849P1	Insulated splice.	-	NP276459P22	Nameplate. (CONT).			Base and ball assembly. Newtronics 5495.	
P703		Connector. Includes:		19A115776P6	Fuseholder, phen: sim to Bussmann 9835.	1	19A116781P5	Contact, electrical: wire size No. 18-24 AWG; sim to Molex 08-50-0106.		M. 27 0100122				Adapter spring assembly. Newtronics 3327.	
İ	19B226516G2	Shell.		19A115776P5	Knob assembly; sim to Bussmann 9953-1/2.	`					SWITCH ASSEMBLY 19B227037G6		ļ	Cable assembly. Newtronics 183-RAO.	
	19A116781P6	Contact, electrical: wire size No. 22-26 AWG; sim to Molex 08-50-0108. (P703-1 thru P703-19).		19A115776P7	Fuseholder, phen: sim to Bussmann 1A1853.	İ		FUSED LEAD ASSEMBLY 19A129480G2 5 AMP (YELLOW)						Horseshoe plate. Newtronics 3323-3.	
				19A115776P3	Contact, electrical: sim to Littelfuse 904-88. (Located inside fuseholder).			(Used with 19B219537G1)	S705	19B233625G2	Switch, pushbutton: 2PDT, 1 station, alternate action, 1.1 amp at 14 VDC.			Rubber gasket. Newtronics 3320.	Π
				7491823P7	Ring terminal, solderless; wire size No. 16-14 AWG.										Π
				7491823P8	Ring terminal, solderless; wire size No. 16-14 AWG.					1					11
j		MISCELLANEOUS		4029484P2	Terminal, quick connect: wire size 14-18 AWG,		i								
	7139880P16	Cable: 34 conductor, 18 feet.	.	102540412	fits 1/4 x .032 tab; sim to AMP 41274.		1R16P8	Fuse, quick blowing: 5 amp 250 v; sim to Littel-		19B226334P1	Pushbutton.			132-512 MHz ANTENNA	
	7142878G1	Clip loop (strain relief).		19A116849P1	Insulated splice.	1		fuse 312005 or Bussmann MTH-5.		19C321004P1	Lens. (Not Used).			19B209568P1	
	19A115799P1	Terminal, solderless: sim to AMP 33460. (Quantity 2).		19A116781P5	Contact, electrical: wire size No. 18-24 AwG; sim to Molex 08-50-0106.		19A115776P6	Fuseholder, phen: sim to Bussmann No. 9835 mates with knob.		19B226331P1	Insert. (Part of switch).			Whip assembly. 068110-001.	
P901		Connector. Includes:					19A115776P5	Knob assembly; sim to Bussmann 9953-1/2.		19A134354P7	Diode, optoelectronic: yellow; sim to Hew. Packard 5082-4555.			Whip nut assembly. 068047-001.	
P901	19C307162P1	Shell.			DC CONVERTER IGNITION SWITCH CABLE		19A115776P7	Fuseholder, phen: sim to Bussmann 1A1853.		NP276459P28	Nameplate. (EXT).			Base nut assembly. 068048-001.	
	19A700376P1	Contact, electrical: wire size 24-20 AWG; sim to			19B219537G3		19A115776P3	Contact, electrical: sim to Littelfuse 904-88. (Located inside fuseholder).	R711	5493035P53	Resistor, wirewound: 18 ohms ±5%, 5 w; sim to]]		"O" Ring (LARGE). 007059-122.	
	154,005,41	AMP 350657-1. (P901-1 thru P901-26, P901-31 thru P901-38).			PLUGS		7491823P7	Ring terminal, solderless; wire size No. 16-14 AWG.			Hamilton Hall Type HR.		1	Stud assembly. 068046-001.	
	19A700376P2	Contact, electrical: wire size 20-16 AWG; sim to	P701		Connector. Includes:		7491823P8	Ring terminal, solderless; wire size No. 16-14 AWG.			CHANNEL GUARD MONITOR OPTION 19B227037G4			RG58/U Cable, 15 feet. 068115-001.	
		AMP 350656-1. (P901-27 thru P901-30).		19B226516G3	Shell.		4029484P2	Terminal, quick connect; wire size 14-18 AWG,							
	19A700376P3	Contact, electrical: wire size 12-8 AWG; sim to AMP 350655-1. (P901-39, P901-40).		19A130117G1	Jumper.			fits 1/4 x .032 tab; sim to AMP 41274.	S706	19B233625G2	Switch, pushbutton: 2PDT, 1 station, alternate action, 1.1 amp at 14 VDC.			800-870 MHz ANTENNA 19B209568P4	
	19A134241P1	Jackscrew.			FUSED LEAD ASSEMBLY		19A116849P1	Insulated splice.		19B226334P1	Pushbutton.			133200000.	
	N193P1208C6	Tap screw, phillips head: No. 6-20 x 1/2. (Quantity 5).			19A129480G1 (Used with 19B219537G3)		19A116781P5	Contact, electrical: wire size No. 18-24 AWG; sim to Molex 08-50-0106.		19C321004P1	Lens. (Not Used).	11		whip assembly. 068110-001.	
	19C328122P1	Adaptor. (Snaps on to connector shell 19C307162-	[]					BATTERY CABLES		19B226331P1	Insert. (Part of switch).			Whip nut assembly. 068047-001.	
	19032012271	P1).		1R16P3	Fuse, quick blowing: 1 amp 250 v; sim to Littel- fuse 312001 or Bussmann AGC-1.			DATIERI CADLES		19A134354P7	Diode, optoelectronic: yellow; sim to Hew.	11		Base nut assembly. 068048-001.	
		1		19A115776P6	Fuseholder, phen: sim to Bussmann 9835.		7147499G7	Battery cable. (BLACK), 3 feet.		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Packard 5082-4555.	.		"O" Ring (LARGE). 007059-122.	
]		POWER/CONTROL CABLE NEGATIVE GRD		19A115776P5	Knob assembly; sim to Bussmann 9953-1/2.		7147499G8	Battery cable. (RED), 3 feet.		NP276459P21	Nameplate. (MON).			Stud assembly. 068046-001.	
		EXECUTIVE II INTERFACE 19C321890G1	11	19A115776P7	Fuseholder, phen: sim to Bussmann 1A1853.					1	INTERNAL/EXTERNAL SPEAKER OPTION		19B209018P5	Plug, Type N. sim to UG536B/U.	
	İ			19A115776P3	Contact, electrical: sim to Littelfuse 904-88.			NOISE BLANKER DISABLE OPTION 19B227179G1		1			1	Cable. (Included as part of complete antenna assembly only).	
					(Located inside fuseholder).				LS1	19B209425P2	Loudspeaker, permanent magnet: 25 w, 8 ohms ±10% voice coil imp, 300-13,000 Hz, 6175 ±15% DC res			1	
P1		Connector, Includes:		7491823P7	Ring terminal, solderless; wire size No. 16-14 AWG	1 21	19B209261P18	Switch, slide: SPST, 1 pole, 2 position, 0.5 amp VDC or 3 amp VAC at 125 v; sim to Switchcraft			voice coil; sim to Atlas SA-340M2.		1	66-88 MHZ ANTENNA	
	19C311409P1	Shell.		7491823P8	Ring terminal, solderless; wire size No. 16-14 AWG			46202LH.	w1	19B219826G1	Speaker cable: 2 conductor, approx 20 feet.		1	19C320111P3	
	19B226473G1	Connector cover.		4029484P2	Terminal, quick connect: wire size $14-18$ AWG, fits $1/4 \times .032$ tab; sim to AMP 41274 .		4029840P2	Contact, electrical: sim to Amp 42827-2.					19C320111G1	Antenna base: 15 ft. cable with M2R22Pl connecto	r
P702		Connector. Includes:		102116040-1			4032480P1	Nut, sheet spring; sim to Vector Electronic No. 440.		1	UNIVERSAL TONE CONNECTOR 19B227159G1			with 7105381P1 adaptor; sim to Decibel Products DB719.	
	19B226516G1	Shell.		19A116849P1	Insulated splice.								19C320111G2	Antenna whip and Spring base: sim to Decibel	1L
	19A116781P5	Contact, electrical: wire range No. 18-24 AWG; sim to Molex 08-50-0106.		19A116781P5	Contact, electrical: wire size No. 18-24 AWG; sim to Molex 08-50-0106.						JACKS AND RECEPTACLES			Products DB670A.	
	19A116781P6	Contact, electrical: wire range No. 22-26 AWG; sim to Molex 08-50-0108.					1		J750	7489183 P 5	Plug: 9 contacts rated at 7.5 amps max; sim to winchester M9S-LRN.				
		SIM OU MOIGA OCTO-VANO.													

	SYMBOL	GE PART NO.	DESCRIPTION
			12 VOLT FUSE ASSEMBLY 19821602164 (Fuses must be ordered separately)
	F1	1R11P4	Quick blowing: 15 amps, 250 v; sim to Bussmann NON15. (Used with 16-38 w MASTR 11 Mobiles).
	F3	1R11P7	Quick blowing: 30 amps, 250 v; sim to Bussmann NON30. (Used with 6δ -128 w MASTR II and EXECUTIVE II Mobiles).
-	F4	1R11P5	Quick blowing: 20 amps, 250 v; sim to Bussmann NON20. (Used with 38-66 w MASTR II and 35-66 w EXECUTIVE II Mobiles).
			DASH MOUNTING KIT 19a130201G2
		19C321086P2	Mounting bracket. (Mates with dash).
		19C321089G2	Mounting bracket. (Mates with C-900 control head).
		N130P1610C6	Tap screw: No. 10-16 x 5/8. (Secures mounting bracket to dash when extended length is not needed).
		N130P1624C6	Tap screw: No. 10-16 x 1-1/2. (Secures mounting bracket to dash when extended length is needed).
y, ioe		N80P16005C6	Machine screw: No. 10-32 x 5/16. (Secures mounting bracket to control head).
	ļ	N403P19C6	Lockwasher: No. 10. (Secures mounting bracket to control head).
		19A115495P1	Machine screw: No. 1/4-20 x 5/8. (Secures the two mounting brackets together).
		N403P25C6	Lockwasher, external tooth: 1/4 inch. (Secures the two mounting brackets together).
			HUMP MOUNTING KIT 19A130201G2 19A130890G1 19A130201G2
		19C321086P2	Mounting bracket. (Mates with hump bracket).
		19C321089G2	Mounting bracket. (Mates with control head).
		N130P1610C6	Tap screw: No. 10-16 x 5/8. (Secures mounting bracket to dash when extended length is not needed).
		N130P1624C6	Tap screw: No. 10-16 x 1-1/2. (Secures mounting bracket to dash when extended length is needed).
		N80P16005C6	Machine screw: No. 10-32 x 5/16. (Secures mounting bracket to control head).
		N403P19C6	Lockwasher: No. 10. (Secures mounting bracket to control head).
		19A115495P1	Machine screw: No. 1/4-20 x 5/8. (Secures 19C321086P2 bracket to 19C321089C2 bracket).
		N4 03 P25 C6	Lockwasher, external tooth: 1/4 inch. (Secures 19C321086P2 bracket to 19C321089G2 bracket).
			19A130890G1
		19B227124G1	Mounting bracket. (Mates with floor hump).
		N130P1610C6	Screw, thd. forming: No. 10-16 x 5/8. (Secures mounting bracket to hump when extended length is not needed).
		N130P1624C6	Tap screw: No. 10-16 x 1-1/2. (Secures mounting bracket to hump when extended length is needed).
tor		19B209103P506	Tap screw, hex head: No. 10-32 x 3/8. (Secures 19C321086P2 to hump bracket).
	1	N403P19C6	Lockwasher, external tooth: NO. 10.

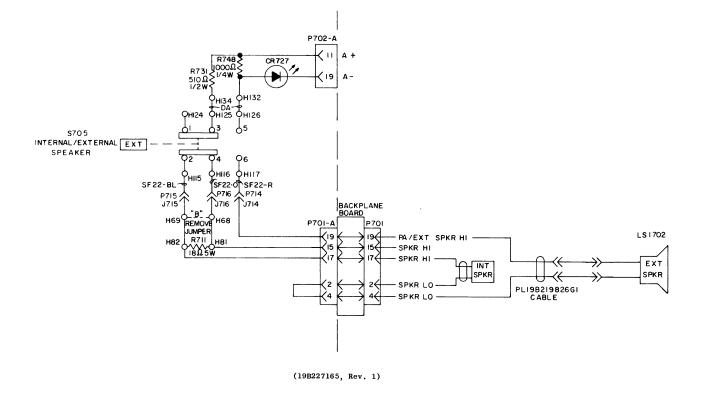
PRODUCTION CHANGES

Changes in the equipment to improve performance or to simplify circuits are identified by a "Revision Letter," which is stamped after the model number of the unit. The revision stamped on the unit includes all previous revisions. Refer to the Parts List for descriptions of parts affected by these revisions.

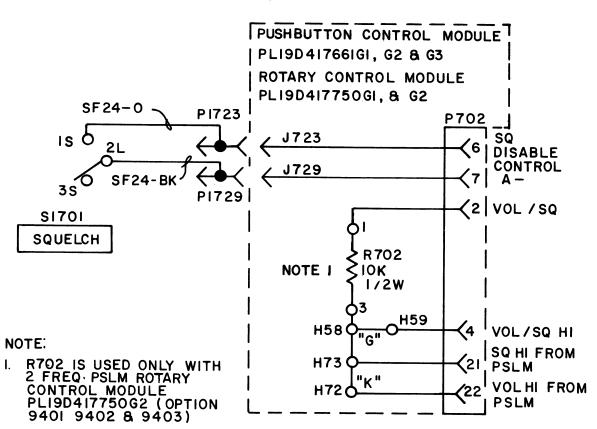
- REV. A Control Module 19D417750G1

 To improve operation. Added CR741.
- REV. B $\frac{\text{Control Module } 19D417750G1}{\text{To improve Channel Guard disable function with CG hookswitch.}}$

INTERNAL/EXTERNAL SPEAKER



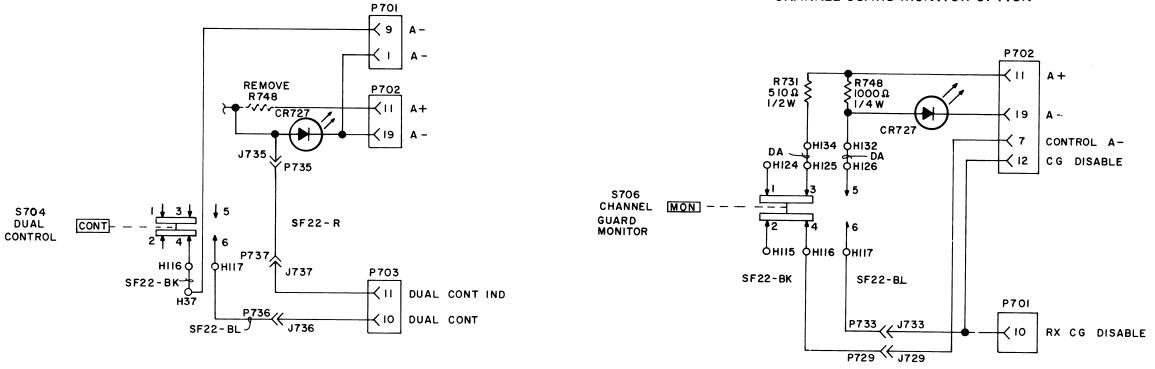
SQUELCH SWITCH



DUAL CONTROL OPTION

CHANNEL GUARD MONITOR OPTION

(19A130899, Rev. 1)



SCHEMATIC DIAGRAM

INTERNAL/EXTERNAL SPEAKER CHANNEL GUARD MONITOR, DUAL CONTROL AND FIXED SQUELCH OPTIONS 1000

VOL/SQ LO

VOL/SQ HI

CONTROL A

VOL ARM

SQ DIS

RX PA

MIC HI

CG DIS

SPKR

SPKR 2

(P703)

IGN SWITCH

RX MUTE

12

SPARE

SPARE

MIC L

CAS

PTT

SQ ARM

(P702) AO

SHLD

SHLD

#8 OR 12-R

#8 OR 12-BK

#16-BK

SF22-BR

#16-G

#16-BR

W-BR

W-R

y-Y

W-0

W-GA

Y-GA

Y-V

W-BL

W-V

O-R

Y-BL

0-BR

0-G

0-BL

- 7139880P16

≺37

Q SHLD

SHLD

TX A+

TX A-

VOL/SQ LD

VOL/SQ HI

CONTROL A

SQ ARM

SQ DIS

RX PA

MIC HI

MIC LO

CB DIS

SPKR 1

SPKR 2

-30 FX/TX REVERT

F3

- 26 CG HI

-<28 C6 L0

- ∠24 SPARE

√23 F10

√36 F12

-34 RX MUTE

33 PA KEY

13 SPARE

BLANKER DIS

-(25 F1

-√29 F6

IGN SWITCH

CAS

PTT

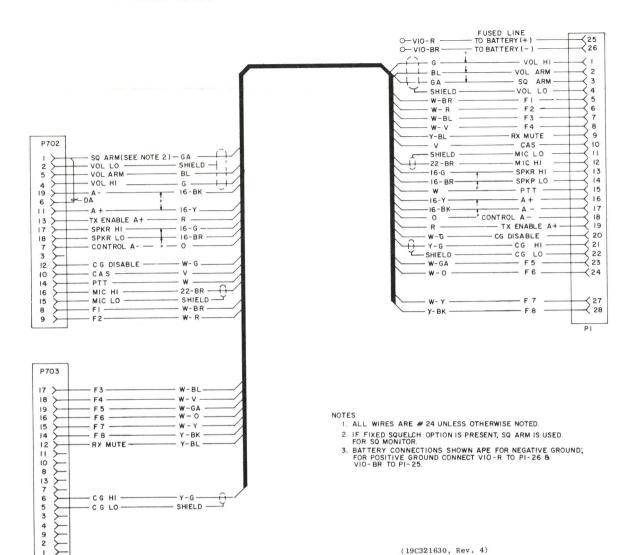
PARTS LIST

LBI-30226

C-800 SERIES BACKPLANE BOARD 19D423729G1

SYMBOL	GE PART NO.	DESCRIPTION
		JACKS AND RECEPTACLES
J901 thru		Connector. Includes:
J903		
	19A116659P34	Connector, printed wiring: 10 contacts; sim to Molex 2402-10.
	19A116659P35	Connector, printed wiring: 11 contacts; sim to Molex 2402-11.
J904	19B219627G1	Connector: 6 contacts.
J906A	19A116446P5	Connector, printed wiring: 14 contacts.
J906 B	19A116446P5	Connector, printed wiring: 14 contacts.
J906C	19A116446P5	Connector, printed wiring: 14 contacts.
J906D	19A116446P5	Connector, printed wiring: 14 contacts.
J908 and J909	4033513P4	Contact, electrical: sim to Bead Chain L93-3.
J910	19A116659P54	Connector, printed wiring: 10 contacts; sim to Molex 09-65-1101.

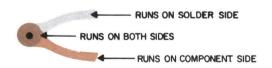
*COMPONENTS ADDED, DELETED OR CHANGED BY PRODUCTION CHANGES.

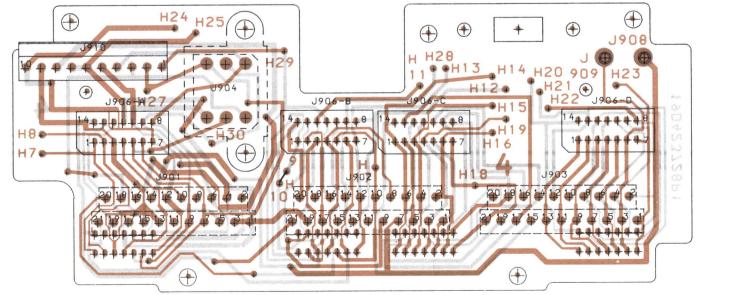


ELECTRICALLY UNCONNECTED UNTIL INSTALLED
BUT TERMINATED PER ASM 190900447.

2. ALL WIRES ARE #SF24 AWG UNLESS OTHERWISE SPECIFIED.

(19D433081, Rev. 2)





OUTLINE & SCHEMATIC DIAGRAM

BACKPLANE BOARD AND POWER/CONTROL CABLES

Issue 5

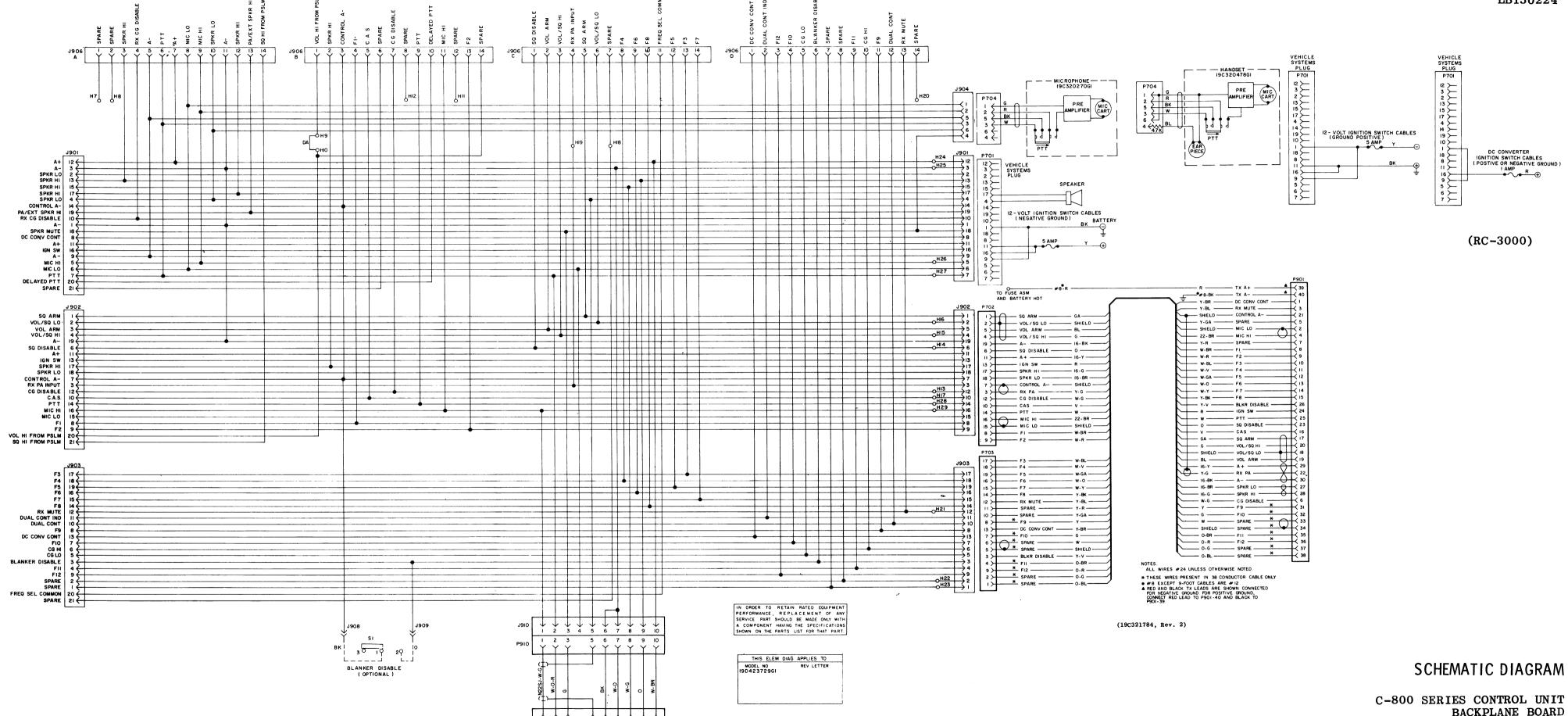
(19D423937, Rev. 3) (19B227238, Sh. 1, Rev. 4) (19B227238, Sh. 2, Rev. 4)

PARTS LIST

C500 30 CONDUCTOR CONTROL CABLES
19D900447G1 3 METER SHORT GROUND
19D900447G2 3 METER LONG GROUND
19D900447G3 6 METER LONG GROUND
19D900447G5 9 METER LONG GROUND
19D900447G6 9 METER SHORT GROUND
19D900447G6 9 METER LONG GROUND

SYMBOL	GE PART NO.	DESCRIPTION
P1		Connector, Includes:
**	19D900037P1	Shell.
	19A701376Pl	Contact, electrical: wire range No. 24-20 AWG. (Pl-1 thru 17, 26 thru 34)
	19A701376P2	Contact, electrical: wire range No. 20-16 AWG. (P1-18 thru 21).
	19A701376P3	Contact, electrical: wire range No. 12-8 AWG. (P1-37 & 38).
	19D900015P1	Housing.
	19C850508P1	Cover.
	19A701192P1	Thumbscrew: thd. size M4 x 0.7.
	19A701488P4	Retainer ring. (Located on thumbscrew).
	19A701312P6	Flatwasher: 1.7-1.85 ID. (Located on thumbscrew).
	19A701507P608	Screw, thd. forming: No. 3.5-1.27 x 12.7. (Secures housing to shell).
	19A701507P606	Screw, thd. forming: No. 3.5-1.27 x 9.60. (Secures cover to housing).
	19A700031P525	Machine screw: No. M3.5-0.6 x 25. (Secures cable to Pl).
	19A700034P5	Hex nut: No. M3.5 x 0.6. (Secures cable to Pl).
	19A700032P6	Lockwasher, internal tooth: No. 3.5 Metric. (Secures cable to P1).
		Tooludes:
P2	10000051001	Connector. Includes:
	19B226516G1	Shell.
	19A116781P5	Contact, electrical: wire range No. 18-24 AWG. (P2-11, 17 thru 19).
	19A116781P6	Contact, electrical: wire range No. 22-26 AWG. (P2-1 thru 10, 12 thru 16).
P3		Connector. Includes:
	19B226516G2	Shell.
	19A116781P6	Contact, electrical: wire range No. 22-26 AWG. (P3-1 thru 3, 5, 6, 10 thru 13, 17, 18).
		MISCELLANEOUS
	7139880P16	Cable: 30 conductor (specify length).
	19A701503P2	Cable battery, red. (Used in G1 & G2- specify length).
	19A701503P10	Cable battery, black. (Used in G1 & G2- specify length).
	19A701460P2	Cable battery, red. (Used in G3-G6- specify length).
	19A701460P10	Cable battery, black. (Used in G3-G6- specify length).
	19B800629P1	Solderless terminal. (Located on black battery cable in G3 $\stackrel{\circ}{\sim}$ G5).
	19B800629P2	Solderless terminal. (Located on black battery cable in G1).
	19B800629P3	Solderless terminal. (Located on black battery cable in G4 & G6, on red battery cable in G3-G6).
	19B800629P4	Solderless terminal. (Located on black battery cable in G2, on red battery cable in G1 & G2).
	7142878G1	Clip loop. (Secures cable at P2 & P3).

*COMPONENTS ADDED, DELETED OR CHANGED BY PRODUCTION CHANGES.



(19E501732, Rev. 4)

0 - A = = 4

BACKPLANE BOARD

LB14484J

HANDSET HOOKSWITCH 19B219846G1 STANDARD 19B219846G3 DUPLEX

DESCRIPTION

GE PART NO.

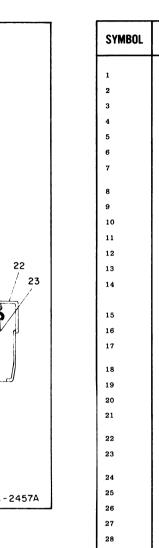
5493035P55

19A136775P1

SYMBOL

R1*





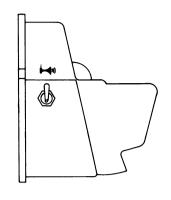
PRODUC

Changes in the equipment to improve Letter," which is stamped after the mod previous revisions. Refer to the Parts

REV. B - To eliminate audio circuit. Changed R

THESE INSTRUCTIONS COVER THE MODIF OF MASTR II HANDSET HOOKSWITCH TO B

- 1. REMOVE FOUR %6-32 SCREWS AND
- 4. ADD LABEL (19A136775) AS SHOWN



SEE APPLICABLE PRODUCTION CHANGE SHEETS IN INSTRUCTION BOOK SECTION DEALING WITH THIS UNIT, FOR DES-CRIPTION OF CHANGES UNDER EACH BEVISION LETTER

THIS ELEM DIAG APPLIES TO

PL19B219846G1

REV LETTER

(19B226131, Rev. 3)

IN ORDER TO RETAIN RATED EQUIPMENT PERFORMANCE, REPLACEMENT OF ANY HANDSET HOOKSWITCH SERVICE PART SHOULD BE MADE ONLY WITH 19B219846GI A COMPONENT HAVING THE SPECIFICATIONS SHOWN ON THE PARTS LIST FOR THAT PART. J701-18 SPKR MUTE (TO HANDSET EARPIECE) (SEE NOTE 2) J701-13 SPKR HI (FROM CONTROL UNIT) RI70I 8.20 5W тві-11₅₂ J701-14 CONTROL A-1 J701-10 RX CG DISABLE V20-R\ I CUT PRINTED WIRE BOARD JUMPERS A & C IN CONTROL 2. WHEN APPLIED TO EXECUTIVE II MOBILE REPLACE RI WITH SI-SHOWN OFF HOOK S2-SHOWN OFF MONITOR

* REMOVE DA JUMPER TO DISABLE AUTOMATIC CHANNEL GUARD MONITOR

(19B219842, Rev. 9)

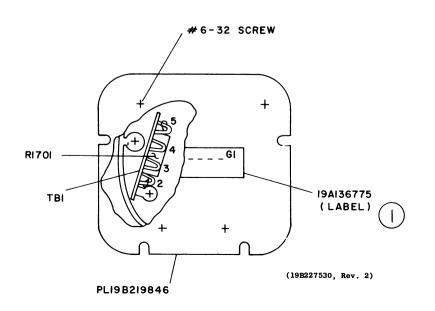
SERVICE SHEET

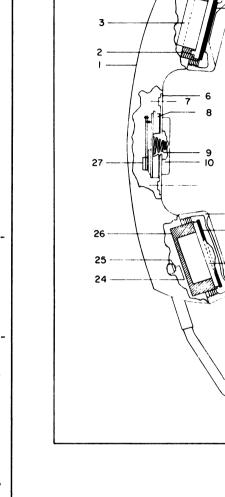
Issue 6

HANDSET & HOOKSWITCH

5493035P11 Wirewound: 40 ohms $\pm 5\%$, 5 w; sim to Hamilton Hall Type HR. Earlier than REV A: Wirewound: 60 ohms ±5%, 5 w; sim to Hamilton 5493035P12 Hall Type HR. 19A129585G1 Holder and switch: Thermoplastic case, contact rating 1 amp at 125 ν . 19A700189P6 Toggle: DPDT, 5 amps at 28 VDC or 115 VAC; sim to C & K Components 7201G. (CHANNEL GUARD DIS-Toggle: SPDT, 5 amps at 28 VDC or 115 VAC; sim to C and K Components 7101G. 19A700189P1 ----- TERMINAL BOARDS -----7775500P203 Phen: 5 terminals. 19B219841G1 Cable: 6 conductor; approx 5 feet long. ---- MISCELLANEOUS -----Tap screw, phillips: No. $6-20 \times 3/4$. (Secures housing to base plate). N190P1312C N101P1510P Tap screw, phillips: No. 8-15 x 5/8. (Used for mounting base plate). 19A129586G1 Bumper, rubber. (2). 19B219852P1 Mounting Plate. EXECUTIVE II MODIFICATION KIT 19A136767G1 Resistor, wirewound: 8.2 ohms $\pm 10\%$, 5 w; sim to Hamilton Hall Type HR. R1701 5493035P52







REV. A - Handset Hookswitch

To improve the oper the off-hook termin

INSTRUCTIONS:

- 2. REMOVE RI RESISTOR (40 OHM) A REPLACE WITH RITOI RESISTOR (SOLDER TO TBI-5 AND TBI-2 AS
- 3. REPLACE COVER AND SCREWS.

2 mm	SYMBOL	GE PART NO.	DESCRIPTION
4 5 6 8	1 2 3 4 5 6	RP142 RP140	Case Assembly. Adapter. Part of item 1. Receiver Cartridge. Receiver Cap. Part of item 1. Washer. Part of item 1. Escutcheon. Part of item 27. Flat head screw, socket cap: No. 4-40 x 1/4. Part of item 27.
19 20 21 22 11 23 18 9 20 21 22	8 9 10 11 12 13 14	RP139 19C321016G2 19B219749P1	Actuator. Part of item 27. Spring. Part of item 27. Plunger bar. Part of item 27. Transmitter Cap. Part of item 1. Washer. Part of item 1. Transmitter cartridge. Cable assembly: Includes items 14-25 and cable RP141. Flex relief.
13 17 16 28	16 17 18 19 20 21 22 23 24 25	19A116937P1 3R77P472K 19D416766P1 N136AP905Y6 19A129435P1 19A701289P1 19D416767P1 19B219723G1	Cable clamp: sim to Malco 21012-3. Resistor, (R1), composition: 4.7K ohms ±10%, 1/2 w. Connector case. Tap screw: No. 4-24 x 5/16. Pin contact. Retaining ring: 3/16 inches; sim to National Lockwasher WA 510. Connector Cover. Thumb screw: lexan. (Secures cover, item 22 to case, item 18). Screw. Part of item 14. Cable clamp. Part of item 14.
CTION CHANGES	26 27 28	RP143 19C321061G3	Shield. Part of item 1. Switch Assembly. Includes items 6-10. Connector assembly: Includes items 15, 16, 18-23. Does not includes resistor, item 17.
re performance or to simplify circuits are identified by a "Revision odel number of the unit. The revision stamped on the unit includes all to List for descriptions of parts affected by these revisions. h 19B219846G1 eration of the audio output stage by lowering inating resistance. Changed R1. to oscillation in handset with speaker out of R1.			
DIFICATION O BE APPLIED COVER. AND DISCARD. (8.2 OHM) AND			
SHOWN.			

*COMPONENTS ADDED, DELETED OR CHANGED BY PRODUCTION CHANGES.

LB14488D
SPEAKER
19C320302G1 MASTR II
19C320302G5 MASTR EXEC II
19C320302G9 CENTURY II (BLACK/GRAY)
19C320302G10 GE MARC V MASTR EXEC
19C320302G11 CENTURY 11/DELTA
19C320302G12 CENTURY II (SADDLE BROWN)

SYMBOL

LS1

LS2

P702

LBI30449D

MICROPHONE HOOKSWITCH 19C320318G3, G5

TRANSISTORIZED DYNAMIC MICROPHONE 19C32027061, & G2 (SEE RC2454) ISSUE 5

19C320302	G12 CENTURY II (SADDLE BROWN)			
GE PART NO.	DESCRIPTION	SYMBOL	GE PART NO.	DESCRIPTION
19A116694P1	Permanent magnet, 5 inch: 20 watts, 8 ohms ±10% imp, 100 to 10,000 Hz response; sim to Oaktron 5EU2189-2.	S1	19B209261P18	Slide: 1 pole, 2 positions, 0.5 amp VAC or 3 amp VAC at 125 v; sim to Switchcraft 46202LH. (Used
19A116910P1	Permanent magnet, 5 inch: 3.2 ohms ±15% imp, 5 watt maximum operating; sim to Pioneer 002-009.	S2 and	19A116676P1	in G3). Sensitive: SPDT, 5 amps @ 24 VDC or 5 amps @ 250 VRMS; sim to Microswitch 111S M1-T2. (Used
19A129414G1	2 conductor cable: approx 5 feet long, includes (2) 19A116781P5 contacts.	S3 S5	19A116676P1	in G5). Sensitive: SPDT, 5 amps @ 24 VDC or 5 amps @ 250 VRMS; sim to Microswitch 111S M1-T2. (Used in G5).
19A122167G1	4 FOOT CABLE ASSEMBLY	S6	19A134398P1	Push: sim to Chicago Switch S-1527-1. (Used in G3).
10.112210101	Connector. Includes:			43).
5493018P2	Shell.			
433802P1	Contact, electrical. Quantity 4.	W1	19A129414G1	2 conductor cable: approx 5 feet long, includes (2) 19A116781P5 contacts. (Used in G3).
5491563P4	Cover.	W2	19B219779G1	Cable: approx 4 ft. long. Includes: (5)
19A136574G1	2 conductor, Includes: (2) 19A115884P8 Contacts.			4036634Pl & (2) 19B209288P2 contacts. (Used in G5).
	MISCELLANEOUS			MISCELLANEOUS
19B219692G1	Grille. (Used in Gl, G5, G7, G10).		19B219698G4	Housing. (Used in G3).
19B219692G2	Grille. (Used in G9).		19B219698G2	Housing. (Used in G5).
19B219692G4	Grille. (Used in Gll).		19B219694P1	Base plate.
19B227593G1	Housing. (Used in Gl, G5, G7, G10).		19A116768P6	Bushing, strain relief: sim to Heyco SR-3P-4. (Used in G3).
19B227593G2	Housing. (Used in G9).		N193P1410C	Tap screw: No. 8-18 x 5/8. (Secures base plate
19B227593G4	Housing. (Used in Gll).		NISSPIATOC	to mounting surface).
19C320016P1	Mounting bracket. (Located between housing & retaining bracket). (Used in Gl, G5, G7, G10).		19A134398P101	Metal plate. (Used with S6).
19C320016P3	Mounting bracket. (Located between housing &		19C320301P1	Support. (S1).
10000000001	retaining bracket). (Used in Gll). Retaining bracket. (Located between mounting		19B219693P2	Spring, hookswitch. (Used with S1).
19C320022P1	bracket & safety release disc).		19B800608P527	Rivet. (Secures S1 spring).
19B219578G1	Safety Release Disc.		19B800608P477	Rivet. (Secures S1).
19A116986P108	Tap screw, with lockwasher: No. 7-19 x 1/2. (Secures speaker to housing).		7147223P2	Clip loop. (Used in G5).
19A116986P112	Tap screw, with lockwasher: No. 7-19 x 3/4. (Secures grille to housing).			
N187P16010C6	Machine screw: No. 10-32 x 5/8. (Secures mounting bracket to housing-used with safety release disc, retaining bracket).			
N710P16012C6	Screw, hexhead, slotted: No. $10-16 \times 3/4$. (Quantity 3- used without safety release disc α retaining bracket).			
N187P16010C6	Machine screw, slotted: No. 10-32 x 5/8. (Used with safety release disc & retaining bracket).			
N130P16012C6	Tap screw, thd. forming: No. 10-16 x 3/4. (When mounting to regular surface).			
N130P16024C6	Tap Screw, thd. forming: No. 10-16 x 1-1/2. Slotted hex head. (When mounting to extra thick mounting surface).			
		:		
 				
		1		
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		1		
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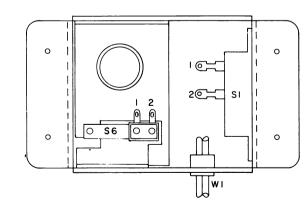
	SYMBOL	GE PART NO.	DESCRIPTION
1	!		
1	1	RP127	Case assembly. (Includes items 14, 15).
1	2		Retaining spring. (Part of item 18).
	3		Tap screw, phillips. (Part of item 16).
ı	4		Retaining bar. (Part of item 16).
	5	19D416766P1	Connector case.
١	6	19A129435P1	Pin contact.
	7	19A701289P1	Retaining ring: 3/16 inches; sim to National Lockwasher WA 510.
١	8	19D416767P1	Connector Cover.
١	9	19B219723G1	Thumb screw: lexan.
ı	10	N136AP905Y6	Tap screw: No. 4-24 x 5/16.
ı	11	19A116937P1	Cable clamp: sim to Malco 21012-3.
1	12	19B219749P1	Flex relief.
ı	13	RP126	Switch button kit.
1	14		Rear Case Assembly. (Part of item 1).
ł	15		Tap screw, phillips. (Part of item 1).
١	16	19C321016G1	Cable assembly: Includes items 3-12 & cable RP129.
١	17	RP128	Switch assembly.
l	18	RP130	Grille Assembly. (Includes items 2, 19, 21).
	19		"O" Ring. (Part of item 18).
	20	RP117	Transistorized cartridge.
	21		Washer. (Located under cartridge - Part of item 18).
	22	19C321016G3	Connector Assembly. Includes items 5 - 12.

*COMPONENTS ADDED, DELETED OR CHANGED BY PRODUCTION CHANGES.

6 7 8 22 5 RC-2454A

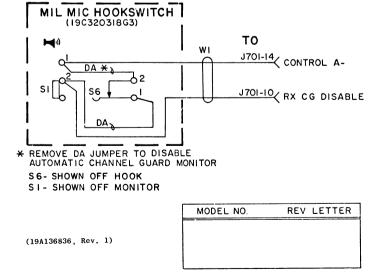
LBI30224

OUTLINE DIAGRAM



(19B227626, Rev. 0)

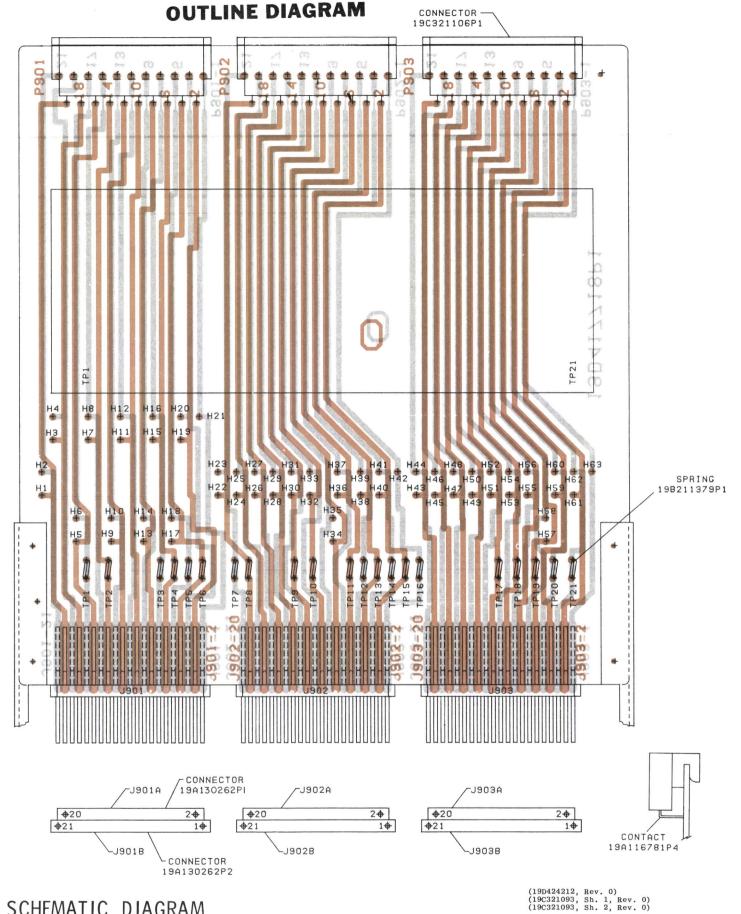
SCHEMATIC DIAGRAM



SERVICE SHEET

MICROPHONE & HOOKSWITCH

LBI30224

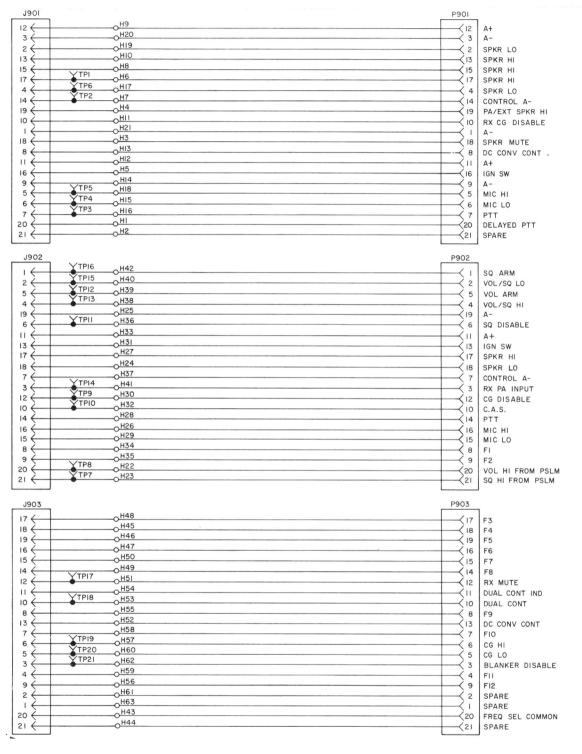


OUTLINE & SCHEMATIC DIAGRAM

CONTROL MODULE EXTENDER BOARD

--- RUNS ON SOLDER SIDE RUNS ON BOTH SIDES RUNS ON COMPONENT SIDE

SCHEMATIC DIAGRAM



(19D417789, Rev. 1)

THIS ELEM DIAG APPLIES TO MODEL NO PLI9D4I7768GI

Issue 1

16

ADDENDUM TO LBI30224

C800 AND C900 CONTROL UNITS

This addendum incorporates the Power/Control cables that provide the interface connections between DELTA radios and the "C" series control units. Also included is the Parts List for the DELTA type speakers and mounting kits.

3 x 5 INCH SPEAKER 19C850550G1 DASH MOUNT 19C850550G2 WINDOW MOUNT ISSUE 3

#1 19A129414G1	19A129414G1 19B226189G1 19C320022P1 19B219578G1 N187P16010C6 N130P16012C6 N130P16024C6 N402AP9C6	Permanent magnent: 76 x 1 mm, 8 ohms ±10% imp a 400 Hz, 18 w.
#1 19A129414G1	19A129414G1 19B226189G1 19C320022P1 19B219578G1 N187P16010C6 N130P16012C6 N130P16024C6 N402AP9C6	400 Hz, 18 w.
### 19819414G1 2 conductor cable: approx 5 feet long, includes (2) 198116781P5 contacts. #### 19826189G1 Window mount: approx. 17 inches retracted, 84 inches extended. (Includes 2 198116781P5 contacts). #### BPE26189G1 BERKAMAY MOUNTING KIT 198129461G1 19C320022P1 Retaining bracket. (With locking jaws). ### 198219578G1 Safety Release Disc. (Mates with mounting surface). ### N187P16010C6 Machine screw, hexhead, slotted: No. 10-32 x 5/8. (Quantity 1 - Used with safety release disc with retaining bracket0. ### N130P16012C6 Tap screw, thd. forming: No. 10-16 x 3/4. (Quantity 3 - Used without safety release disc & retaining bracket). ### N130P16024C6 Tap screw, thd. forming: No. 10-16 x 1-1/2. (Quantity 3 - Used without safety release disc & retaining bracket - for extra thick carpet). ### N402AP9C6 Flatwasher: No. 10. (Used with 10-16 thread forming screws). ### DASH MOUNT KIT FOR WINDOW MOUNT SPEAKER OPTION 198130023G2 ### N193P1408C6 Tap screw, phillips head: No. 8-18 x 1/2. (Secures backing plate to mounting surface). ### USE OF TABLE AND STATE OF TABLE OF TABLE OF TABLE OF TABLE OF TABLE OF TABLE OF TAB	19B226189G1 19C320022P1 19B219578G1 N187P16010C6 N130P16012C6 N130P16024C6 N402AP9C6	2 conductor cable: approx 5 feet long, includes (2) 19A116781P5 contacts. Window mount: approx. 17 inches retracted, 84 inches extended. (Includes 2 19A116781P5 contacts). BREAKAWAY MOUNTING KIT 19A129461G1 Retaining bracket. (With locking jaws). Safety Release Disc. (Mates with mounting surface). Machine screw, hexhead, slotted: No. 10-32 x 5/8. (Quantity 1 - Used with safety release disc with retaining bracket). Tap screw, thd. forming: No. 10-16 x 3/4. (Quantity 3 - Used without safety release disc & retaining bracket). Tap screw, thd. forming: No. 10-16 x 1-1/2. (Quantity 3 - Used without safety release disc & retaining bracket - for extra thick carpet). Flatwasher: No. 10. (Used with 10-16 thread forming screws). DASH MOUNT KIT FOR WINDOW MOUNT SPEAKER OPTION 19A130023G2
(2) 19A116781P5 contacts.	19B226189G1 19C320022P1 19B219578G1 N187P16010C6 N130P16012C6 N130P16024C6 N402AP9C6	(2) 19A116781P5 contacts. Window mount: approx. 17 inches retracted, 84 inches extended. (Includes 2 19A116781P5 contacts). BREAKAWAY MOUNTING KIT 19A129461G1 Retaining bracket. (With locking jaws). Safety Release Disc. (Mates with mounting surface). Machine screw, hexhead, slotted: No. 10-32 x 5/8. (Quantity 1 - Used with safety release disc with retaining bracket). Tap screw, thd. forming: No. 10-16 x 3/4. (Quantity 3 - Used without safety release disc & retaining bracket). Tap screw, thd. forming: No. 10-16 x 1-1/2. (Quantity 3 - Used without safety release disc & retaining bracket - for extra thick carpet). Flatwasher: No. 10. (Used with 10-16 thread forming screws). DASH MOUNT KIT FOR WINDOW MOUNT SPEAKER OPTION 19A130023G2
inches extended. (Includes 2 19A116781P5 contacts). BREAKAWAY MOUNTING KIT 19A129461G1 19C320022P1 Retaining bracket. (With locking jaws). Safety Release Disc. (Mates with mounting surface). N187P16010C6 Machine screw, hexhead, slotted: No. 10-32 x 5/8. (Quantity 1 - Used with safety release disc with retaining bracket0. N130P16012C6 Tap screw, thd. forming: No. 10-16 x 3/4. (Quantity 3 - Used without safety release disc & retaining bracket). N130P16024C6 Tap screw, thd. forming: No. 10-16 x 1-1/2. (Quantity 3 - Used without safety release disc & retaining bracket - for extra thick carpet). N402AP9C6 Platwasher: No. 10. (Used with 10-16 thread forming screws). DASH MOUNT KIT FOR WINDOW MOUNT SPEAKER OPTION 19A130023G2 19B226190P1 Backing plate. Clip bracket. Tap screw, phillips head: No. 8-18 x 1/2. (Secures backing plate to mounting surface).	19C320022P1 19B219578G1 N187P16010C6 N130P16012C6 N130P16024C6 N402AP9C6	inches extended. (Includes 2 19A116781P5 contacts). BREAKAWAY MOUNTING KIT 19A129461G1 Retaining bracket. (With locking jaws). Safety Release Disc. (Mates with mounting surface). Machine screw, hexhead, slotted: No. 10-32 x 5/8. (Quantity 1 - Used with safety release diswith retaining bracket). Tap screw, thd. forming: No. 10-16 x 3/4. (Quantity 3 - Used without safety release disc & retaining bracket). Tap screw, thd. forming: No. 10-16 x 1-1/2. (Quantity 3 - Used without safety release disc & retaining bracket - for extra thick carpet). Flatwasher: No. 10. (Used with 10-16 thread forming screws). DASH MOUNT KIT FOR WINDOW MOUNT SPEAKER OPTION 19A130023G2
190320022P1 Retaining bracket. (With locking jaws). Safety Release Disc. (Mates with mounting surface). N187P16010C6 Machine screw, hexhead, slotted: No. 10-32 x 5/8. (Quantity 1 - Used with safety release disc with retaining bracket). N130P16012C6 Tap screw, thd. forming: No. 10-16 x 3/4. (Quantity 3 - Used without safety release disc & retaining bracket). N130P16024C6 Tap screw, thd. forming: No. 10-16 x 1-1/2. (Quantity 3 - Used without safety release disc & retaining bracket - for extra thick carpet). N402AP9C6 Flatwasher: No. 10. (Used with 10-16 thread forming screws). DASH MOUNT KIT FOR WINDOW MOUNT SPEAKER OPTION 19A130023G2 19B226190P1 Backing plate. Clip bracket. N193P1408C6 Tap screw, phillips head: No. 8-18 x 1/2. (Secures backing plate to mounting surface).	19B219578G1 N187P16010C6 N130P16012C6 N130P16024C6 N402AP9C6	Retaining bracket. (With locking jaws). Safety Release Disc. (Mates with mounting surface). Machine screw, hexhead, slotted: No. 10-32 x 5/8. (Quantity 1 - Used with safety release disc with retaining bracket). Tap screw, thd. forming: No. 10-16 x 3/4. (Quantity 3 - Used without safety release disc & retaining bracket). Tap screw, thd. forming: No. 10-16 x 1-1/2. (Quantity 3 - Used without safety release disc & retaining bracket - for extra thick carpet). Flatwasher: No. 10. (Used with 10-16 thread forming screws). DASH MOUNT KIT FOR WINDOW MOUNT SPEAKER OPTION 19A130023G2
Safety Release Disc. (Mates with mounting surface). N187P16010C6	19B219578G1 N187P16010C6 N130P16012C6 N130P16024C6 N402AP9C6	Safety Release Disc. (Mates with mounting surface). Machine screw, hexhead, slotted: No. 10-32 x 5/8. (Quantity 1 - Used with safety release disc with retaining bracketo. Tap screw, thd. forming: No. 10-16 x 3/4. (Quantity 3 - Used without safety release disc & retaining bracket). Tap screw, thd. forming: No. 10-16 x 1-1/2. (Quantity 3 - Used without safety release disc & retaining bracket - for extra thick carpet). Flatwasher: No. 10. (Used with 10-16 thread forming screws). DASH MOUNT KIT FOR WINDOW MOUNT SPEAKER OPTION 19A130023G2
Safety Release Disc. (Mates with mounting surface).	N187P16010C6 N130P16012C6 N130P16024C6 N402AP9C6	Safety Release Disc. (Mates with mounting surface). Machine screw, hexhead, slotted: No. 10-32 x 5/8. (Quantity 1 - Used with safety release disc with retaining bracketo. Tap screw, thd. forming: No. 10-16 x 3/4. (Quantity 3 - Used without safety release disc & retaining bracket). Tap screw, thd. forming: No. 10-16 x 1-1/2. (Quantity 3 - Used without safety release disc & retaining bracket - for extra thick carpet). Flatwasher: No. 10. (Used with 10-16 thread forming screws). DASH MOUNT KIT FOR WINDOW MOUNT SPEAKER OPTION 19A130023G2
N187P16010C6 Nachine screw, hexhead, slotted: No. 10-32 x 5/8. (Quantity 1 - Used with safety release dis with retaining bracket0. N130P16012C6 Tap screw, thd. forming: No. 10-16 x 3/4. (Quantity 3 - Used without safety release disc & retaining bracket). N130P16024C6 Tap screw, thd. forming: No. 10-16 x 1-1/2. (Quantity 3 - Used without safety release disc & retaining bracket - for extra thick carpet). N402AP9C6 Platwasher: No. 10. (Used with 10-16 thread forming screws). DASH MOUNT KIT FOR WINDOW MOUNT SPEAKER OPTION 19A130023G2 19B226190P1 Backing plate. Clip bracket. N193P1408C6 Tap screw, phillips head: No. 8-18 x 1/2. (Secures backing plate to mounting surface). MISCELLANEOUS 19B800534G1 Housing. (DASH MOUNT). 19B800534G2 Housing. (WINDOW MOUNT). Grille. Strain relief. (Used with W1 window mount cable at housing). Nameplate. (GENERAL ELECTRIC). Mounting bracket. (Secures speaker assembly to mounting surface). 19A701354P2 Mounting bracket. (Secures speaker assembly to mounting surface). Lockwasher: No. 10. (Secures speaker housing to mounting support). Lockwasher: No. 10. (Secures speaker housing to mounting support). Lockwasher, external tooth: No. 10. (Secures speaker housing to mounting support). Screw, thread forming, assembled washer: Phillips POZIDRIW, HI-LO thread, No. 7-19 x 3/4	N130P16012C6 N130P16024C6 N402AP9C6	Machine screw, hexhead, slotted: No. 10-32 x 5/8. (Quantity 1 - Used with safety release diswith retaining bracket0. Tap screw, thd. forming: No. 10-16 x 3/4. (Quantity 3 - Used without safety release disc & retaining bracket). Tap screw, thd. forming: No. 10-16 x 1-1/2. (Quantity 3 - Used without safety release disc & retaining bracket - for extra thick carpet). Flatwasher: No. 10. (Used with 10-16 thread forming screws). DASH MOUNT KIT FOR WINDOW MOUNT SPEAKER OPTION 19A130023G2
5/8. (Quantity 1 - Used with safety release dis with retaining bracket0. N130P16012C6 Tap screw, thd. forming: No. 10-16 x 3/4. (Quantity 3 - Used without safety release disc & retaining bracket). N130P16024C6 Tap screw, thd. forming: No. 10-16 x 1-1/2. (Quantity 3 - Used without safety release disc & retaining bracket - for extra thick carpet). N402AP9C6 Flatwasher: No. 10. (Used with 10-16 thread forming screws). DASH MOUNT KIT FOR WINDOW MOUNT SPEAKER OPTION 19A130023G2 19B226190P1 Backing plate. Clip bracket. N193P1408C6 Tap screw, phillips head: No. 8-18 x 1/2. (Secures backing plate to mounting surface). MISCELLANEOUS 19B800534G1 Housing. (DASH MOUNT). 19B800534G2 Housing. (WINDOW MOUNT). Grille. Strain relief. (Used with W1 window mount cable at housing). Nameplate. (GENERAL ELECTRIC). Mounting bracket. (Secures speaker assembly to mounting surface). 19A701354P2 Machine screw: No. 10-32 x 5/16. (Secures speaker housing to mounting support). Lockwasher: No. 10. (Secures speaker housing to mounting support). Lockwasher: No. 10. (Secures speaker housing to mounting support). Lockwasher, external tooth: No. 10. (Secures speaker housing to mounting support). Screw, thread forming, assembled washer: Phillips POZIDRIW9, H1-LO thread, No. 7-19 x 3/4	N130P16012C6 N130P16024C6 N402AP9C6	5/8. (Quantity 1 - Used with safety release diswith retaining bracket0. Tap screw, thd. forming: No. 10-16 x 3/4. (Quantity 3 - Used without safety release disc & retaining bracket). Tap screw, thd. forming: No. 10-16 x 1-1/2. (Quantity 3 - Used without safety release disc & retaining bracket - for extra thick carpet). Flatwasher: No. 10. (Used with 10-16 thread forming screws). DASH MOUNT KIT FOR WINDOW MOUNT SPEAKER OPTION 19A130023G2
Tetaining bracket). Tap screw, thd. forming: No. 10-16 x 1-1/2. (Quantity 3 - Used without safety release disc & retaining bracket - for extra thick carpet). N402AP9C6 Platwasher: No. 10. (Used with 10-16 thread forming screws). DASH MOUNT KIT FOR WINDOW MOUNT SPEAKER OPTION 19A130023G2 19B226190P1 Backing plate. Clip bracket. N193P1408C6 Tap screw, phillips head: No. 8-18 x 1/2. (Secures backing plate to mounting surface).	N130P16024C6 N402AP9C6 19B226190P1	retaining bracket). Tap screw, thd. forming: No. 10-16 x 1-1/2. (Quantity 3 - Used without safety release disc & retaining bracket - for extra thick carpet). Flatwasher: No. 10. (Used with 10-16 thread forming screws). DASH MOUNT KIT FOR WINDOW MOUNT SPEAKER OPTION 19A130023G2
retaining bracket - for extra thick carpet). N402AP9C6 Platwasher: No. 10. (Used with 10-16 thread forming screws). DASH MOUNT KIT FOR WINDOW MOUNT SPEAKER OPTION 19A130023G2 19B226180P1 Backing plate. Clip bracket. Tap screw, phillips head: No. 8-18 x 1/2. (Secures backing plate to mounting surface). MISCELLANEOUS 19B800534G1 Housing. (DASH MOUNT). 19B800534G2 Housing. (WINDOW MOUNT). Grille. Strain relief. (Used with W1 window mount cable at housing). Nameplate. (GENERAL ELECTRIC). Mounting bracket. (Secures speaker assembly to mounting surface). 19A701354P2 Machine screw: No. 10-32 x 5/16. (Secures speaker housing to mounting support). 19A701312P7 Lockwasher: No. 10. (Secures speaker housing to mounting support). Lockwasher, external tooth: No. 10. (Secures speaker housing to mounting support). Screw, thread forming, assembled washer: Phillips POZIDRIV®, HI-LO thread, No. 7-19 x 3/4	N402AP9C6 19B226190P1	retaining bracket - for extra thick carpet). Flatwasher: No. 10. (Used with 10-16 thread forming screws). DASH MOUNT KIT FOR WINDOW MOUNT SPEAKER OPTION 19A130023G2
forming screws). DASH MOUNT KIT FOR WINDOW MOUNT SPEAKER OPTION 19A130023G2 19B226190P1 Backing plate. Clip bracket. Tap screw, phillips head: No. 8-18 x 1/2. (Secures backing plate to mounting surface).	19B226190P1	forming screws). DASH MOUNT KIT FOR WINDOW MOUNT SPEAKER OPTION 19A130023G2
WINDOW MOUNT SPEAKER OPTION 19A130023G2 19B226190P1 Backing plate. Clip bracket. N193P1408C6 Tap screw, phillips head: No. 8-18 x 1/2. (Secures backing plate to mounting surface).		WINDOW MOUNT SPEAKER OPTION 19A130023G2
19B226185P1 Clip bracket. N193P1408C6 Tap screw, phillips head: No. 8-18 x 1/2. (Secures backing plate to mounting surface).		Racking plate
Tap screw, phillips head: No. 8-18 x 1/2. (Secures backing plate to mounting surface). MISCELLANEOUS 19B800534G1 Housing. (DASH MOUNT). 19B800534G2 Housing. (WINDOW MOUNT). 19C850549P1 Grille. 19A702464P3 Strain relief. (Used with W1 window mount cable at housing). 19A701354P2 Nameplate. (GENERAL ELECTRIC). 19C320016P1 Mounting bracket. (Secures speaker assembly to mounting surface). 19A701631P516 Machine screw: No. 10-32 x 5/16. (Secures speaker housing to mounting support). 19A701312P7 Lockwasher: No. 10. (Secures speaker housing to mounting support). 19A700033P10 Lockwasher, external tooth: No. 10. (Secures speaker housing to mounting support). 19A116986P112 Screw, thread forming, assembled washer: Phillips POZIDRIV®, HI-LO thread, No. 7-19 x 3/4	19B226185P1	backing place.
(Secures backing plate to mounting surface). MISCELLANEOUS 19B800534G1 Housing. (DASH MOUNT). 19B800534G2 Housing. (WINDOW MOUNT). 19C850549P1 Grile. 19A702464P3 Strain relief. (Used with W1 window mount cable at housing). 19A701354P2 Nameplate. (GENERAL ELECTRIC). 19C320016P1 Mounting bracket. (Secures speaker assembly to mounting surface). 19A701631P516 Machine screw: No. 10-32 x 5/16. (Secures speaker housing to mounting support). 19A701312P7 Lockwasher: No. 10. (Secures speaker housing to mounting support). 19A700033P10 Lockwasher, external tooth: No. 10. (Secures speaker housing to mounting support). 19A116986P112 Screw, thread forming, assembled washer: Phillips POZIDRIV®, HI-LO thread, No. 7-19 x 3/4		Clip bracket.
19B800534G1 Housing. (DASH MOUNT). 19B800534G2 Housing. (WINDOW MOUNT). 19C850549P1 Grille. 19A702464P3 Strain relief. (Used with W1 window mount cable at housing). 19A701354P2 Nameplate. (GENERAL ELECTRIC). 19C320016P1 Mounting bracket. (Secures speaker assembly to mounting surface). 19A701631P516 Machine screw: No. 10-32 x 5/16. (Secures speaker housing to mounting support). 19A701312P7 Lockwasher: No. 10. (Secures speaker housing to mounting support). 19A700033P10 Lockwasher, external tooth: No. 10. (Secures speaker housing to mounting support). 19A116986P112 Screw, thread forming, assembled washer: Phillips POZIDRIV®, HI-LO thread, No. 7-19 x 3/4	N193P1408C6	Tap screw, phillips head: No. 8-18 x 1/2. (Secures backing plate to mounting surface).
19B800534G2 Housing. (WINDOW MOUNT). 19C850549P1 Grille. 19A702464P3 Strain relief. (Used with W1 window mount cable at housing). 19A701354P2 Nameplate. (GENERAL ELECTRIC). 19C320016P1 Mounting bracket. (Secures speaker assembly to mounting surface). 19A701631P516 Machine screw: No. 10-32 x 5/16. (Secures speaker housing to mounting support). 19A701312P7 Lockwasher: No. 10. (Secures speaker housing to mounting support). 19A700033P10 Lockwasher, external tooth: No. 10. (Secures speaker housing to mounting support). 19A116986P112 Screw, thread forming, assembled washer: Phillips POZIDRIV®, HI-LO thread, No. 7-19 x 3/4		MISCELLANEOUS
19A702464P3 Strain relief. (Used with W1 window mount cable at housing). 19A701354P2 Nameplate. (GENERAL ELECTRIC). 19C320016P1 Mounting bracket. (Secures speaker assembly to mounting surface). 19A701631P516 Machine screw: No. 10-32 x 5/16. (Secures speaker housing to mounting support). 19A701312P7 Lockwasher: No. 10. (Secures speaker housing to mounting support). 19A700033P10 Lockwasher, external tooth: No. 10. (Secures speaker housing to mounting support). 19A116986P112 Screw, thread forming, assembled washer: Phillips POZIDRIV®, HI-LO thread, No. 7-19 x 3/4	19B800534G1	Housing. (DASH MOUNT).
Strain relief. (Used with W1 window mount cable at housing). 19A701354P2 Nameplate. (GENERAL ELECTRIC). 19C320016P1 Mounting bracket. (Secures speaker assembly to mounting surface). 19A701631P516 Machine screw: No. 10-32 x 5/16. (Secures speaker housing to mounting support). 19A701312P7 Lockwasher: No. 10. (Secures speaker housing to mounting support). 19A700033P10 Lockwasher, external tooth: No. 10. (Secures speaker housing to mounting support). 19A116986P112 Screw, thread forming, assembled washer: Phillips POZIDRIV®, HI-LO thread, No. 7-19 x 3/4	19B800534G2	Housing. (WINDOW MOUNT).
at housing). Nameplate. (GENERAL ELECTRIC). 19C320016P1 Mounting bracket. (Secures speaker assembly to mounting surface). 19A701631P516 Machine screw: No. 10-32 x 5/16. (Secures speaker housing to mounting support). 19A701312P7 Lockwasher: No. 10. (Secures speaker housing to mounting support). 19A700033P10 Lockwasher, external tooth: No. 10. (Secures speaker housing to mounting support). 19A116986P112 Screw, thread forming, assembled washer: Phillips POZIDRIV®, HI-LO thread, No. 7-19 x 3/4	19C850549P1	Grille.
Mounting bracket. (Secures speaker assembly to mounting surface). 19A701631P516 Machine screw: No. 10-32 x 5/16. (Secures speaker housing to mounting support). 19A701312P7 Lockwasher: No. 10. (Secures speaker housing to mounting support). 19A700033P10 Lockwasher, external tooth: No. 10. (Secures speaker housing to mounting support). 19A116986P112 Screw, thread forming, assembled washer: Phillips POZIDRIV®, HI-LO thread, No. 7-19 x 3/4	19A702464P3	
mounting surface). 19A701631P516 Machine screw: No. 10-32 x 5/16. (Secures speaker housing to mounting support). 19A701312P7 Lockwasher: No. 10. (Secures speaker housing t mounting support). 19A700033P10 Lockwasher, external tooth: No. 10. (Secures speaker housing to mounting support). 19A116986P112 Screw, thread forming, assembled washer: Phillips POZIDRIV®, HI-LO thread, No. 7-19 x 3/4	19A701354P2	Nameplate. (GENERAL ELECTRIC).
speaker housing to mounting support). Lockwasher: No. 10. (Secures speaker housing t mounting support). 19A700033P10 Lockwasher, external tooth: No. 10. (Secures speaker housing to mounting support). Screw, thread forming, assembled washer: Phillips POZIDRIV®, HI-LO thread, No. 7-19 x 3/4	19C320016P1	
mounting support). 19A700033P10 Lockwasher, external tooth: No. 10. (Secures speaker housing to mounting support). 19A116986P112 Screw, thread forming, assembled washer: Phillips POZIDRIV®, HI-LO thread, No. 7-19 x 3/4	19A701631P516	
speaker housing to mounting support). 19A116986P112 Screw, thread forming, assembled washer: Phillips POZIDRIV®, HI-LO thread, No. 7-19 x 3/4	19A701312P7	Lockwasher: No. 10. (Secures speaker housing t mounting support).
19A116986P112 Screw, thread forming, assembled washer: Phillips POZIDRIV®, HI-LO thread, No. 7-19 x 3/4 (Secures grille to housing).	19A700033P10	Lockwasher, external tooth: No. 10. (Secures speaker housing to mounting support).
	19A116986P112	Screw, thread forming, assembled washer: Phillips POZIDRIV®, HI-LO thread, No. 7-19 x 3/4 (Secures grille to housing).
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		19 A 116986P112

*COMPONENTS ADDED, DELETED OR CHANGED BY PRODUCTION CHANGES

PARTS LIST

Connector. Includes:

Housing.

DESCRIPTION

Contact, electrical: wire range No. 24-20 AWG. (Pl-1 thru 17, 26 thru 34) Contact, electrical: wire range No. 20-16 AWG. (P1-18 thru 21).

Contact, electrical; wire range No. 12-8 AWG. (P1-37 & 38).

Thumbscrew: thd. size M4 x 0.7.

Connector. Includes:

Connector. Includes:

Retainer ring. (Located on thumbscrew). Flatwasher: 1.7-1.85 ID. (Located on thumbscrew)

Screw, thd. forming: No. $3.5-1.27 \times 12.7$. (Secures housing to shell).

Screw, thd. forming: No. 3.5-1.27 \times 9.60. (Secures cover to housing).

Machine screw: No. M3.5-0.6 x 25. (Secures cable to P1).

Hex nut: No. M3.5 x 0.6. (Secures cable to P1)

Contact, electrical: wire range No. $18-24\,$ AWG. (P2-11, 17 thru 19).

Contact, electrical: wire range No. 22-26 AWG. (P2-1 thru 10, 12 thru 16).

Contact, electrical: wire range No. 22-26 AWG. (P3-1 thru 3, 5, 6, 10 thru 13, 17, 18).

- - - - - - - MISCELLANEOUS - - - - - -

Cable battery, black. (Used in Gl & G2- specify length).

Cable battery, red. (Used in G3-G6- specify length).

Cable battery, black. (Used in G3-G6- specify length).

Solderless terminal. (Located on black battery cable in G3 & G5). Solderless terminal. (Located on black battery cable in G1).

Solderless terminal. (Located on black battery cable in G4 & G6, on red battery cable in G3-G6)

Solderless terminal. (Located on black battery cable in G2, on red battery cable in G1 & G2).

Clip loop. (Secures cable at P2 & P3).

*COMPONENTS ADDED, DELETED OR CHANGED BY PRODUCTION CHANGES

Cable: 30 conductor (specify length). Cable battery, red. (Used in G1 & G2- specify

Lockwasher, internal tooth: No. 3.5 Metric. (Secures cable to Pl).

30 CONDUCTOR CONTROL CABLES
19D900447G1 3 METER SHORT GROUND
19D900447G3 6 METER LONG GROUND
19D900447G4 6 METER LONG GROUND
19D900447G5 9 METER SHORT GROUND
19D900447G6 9 METER LONG GROUND
1SSUE 1

SYMBOL

P1

₽2

P3

GE PART NO.

19D900037P1 19A701376P1

19A701376P2

19A701376P3 19D900015P1

19C850508P1

19A701192P1 19A701488P4

19A701312P6

19A701507P608 19A701507P606

19A700031P525

19A700034P5

19A700032P6

19B226516G1

19A116781P5

19A116781P6

19B226516G2

19A116781P6

7139880P16

19A701503P2

19A701503P10

19A701460P2

19A701460P10

19B800629P2

19B800629P3

19B800629**P4**

7142878G1

						1
^ •			#8 OR 12-R		≺37	TX A+
	(P702) 🗘 o	#8 OR 12-BK		≺38	TX A-
	P2	· • • • • • • • • • • • • • • • • • • •			1	
VOL/SQ LO	2>	SHLD		SHLD	1,,	
SQ ARM		7. () GA	$\overline{\Box}$	6 15	VOL/SQ LO
	1		G			SQ ARM
VOL/SQ H1	4>		BL		7	VOL/SQ HI
VOL ARM	5>-		0			VOL ARM
SQ DIS	6>		#16-Y		(27	SO DIS
A+	11>	4	#16-BK	<u>†</u>	21	A+
A-	19>	SHLD P		P + SHLD	14	A-
CONTROL A-	7	7	Y-6		17	CONTROL A-
RX PA	3> 10>	U	٧	$\overline{}$	112	RX PA
CAS			W		711	CAS
PTT	14>	\circ	SF22-BR	\overline{C}		PTT
MIC HI	16>	V		₩ SHLD	1 '	MIC HI
MIC LO	15>	SHLD	W-G		1 0 − √5′	MIC LO CO DIS
CG DIS	12>		#16-G		18	i
SPKR 1	17>	4	#16-BR	†	20	SPKR 1
SPKR 2	18>	₽P	W-BR	*	7,	SPKR 2
F1	8≻		W-R			F1 F2
F2	% 		R		→ \2	
IGN SWITCH	13>				 	IGN SWITCH
	(DZOZ				į.	
•	(P703 P3	′			1	
Fe	14>		Y-BK		√32	Fe
F7	15>		W-Y		∕25	F7
	'		W-0		1	
F6	16>		W-GA		→ <29	F6
F5	19>		Y-GA		≺30	FX/TX REVERT
DUAL CTR	10>		Y-V	NC	1	
BLANKER DIS	3>		W-BL		{31	BLANKER DIS
F3	17>		W-V		≾3	F3
F4	18>	\sim	v v	\sim		F4
CG HI	6>	<u> </u>		SHLD Z	√26	CG HI
CG LO	5>	——————————————————————————————————————	Y-R		<28	C6 F0
DUAL CTR IND	11>		Y-BR	NC		
DC CONV CTR	13>		Y		₹24	SPARE
F9	8>		3		<22	F9
F10	7>		0-R		<23	F10
F12	9>		Y-BL		<36	F12
RX MUTE	12>		O-BR		-{34	RX MUTE
F11	4>		0-BK		√ 35	F11
SPARE	2>		0-BL		≺33	PA KEY
SPARE	1>-		<u> </u>		≺13	SPARE
		~			1	

A ELECTRICALLY UNCONNECTED UNTIL INSTALLED BUT TERMINATED PER ASM 19D900447. 2. ALL WIRES ARE #SF24 AWG UNLESS OTHERWISE SPECIFIED.

~ 7139880P16

SCHEMATIC DIAGRAM

(19D433081, Rev. 2)

P 1

DELTA INTERFACE CABLE 19D900447G1-G6