

INSTALLATION INSTRUCTIONS FOR INTERNAL-EXTERNAL SPEAKER OPTION 1707 (For Mastr Executive II)

Option 1707 consists of a 19B209425P1 Speaker (designed for external mounting), a 19B205525G2 Speaker Control Kit, and a 19A121771G3 Cable Kit. The external speaker permits monitoring the radio from outside the vehicle.

Speaker selection is determined by the setting of internal-external (INT-EXT) Switch (S1) on the front of the speaker selector unit. When S1 is in the INT position, all power is applied to the internal speaker. Setting S1 to the EXT position transfers approximately 90% of the power out to the external speaker, while maintaining a 10% input to the internal speaker.

INSTALLATION

SPEAKER CONTROL KIT 19B205525G2

The speaker control kit is provided complete with mounting bracket and may be installed beneath the vehicle instrument panel, the internal speaker housing or in another convenient location.

NOTE

The mounting bracket can be rotated 180° if necessary to facilitate installation.

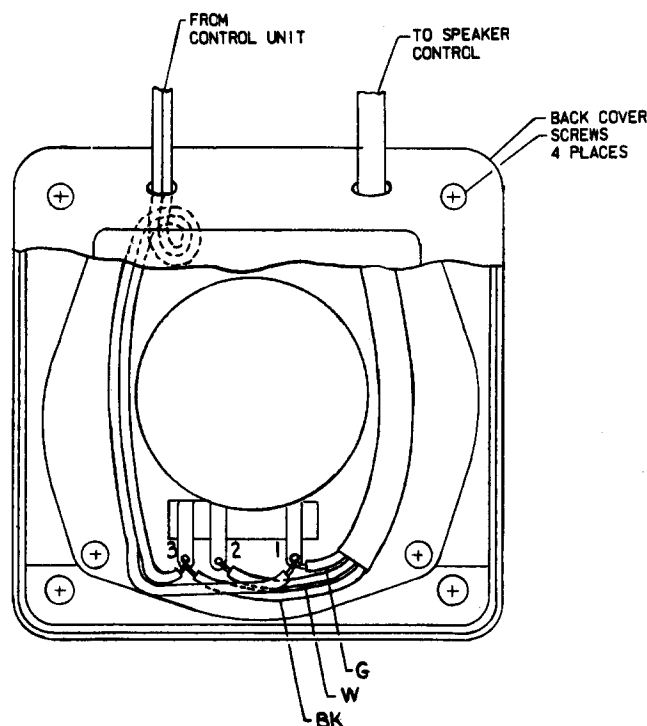
INTERNAL SPEAKER MODIFICATIONS

1. Remove the back cover of the speaker housing (four screws).
2. Move the wire on the internal speaker terminal 2 to terminal 3 (see Figure 1).
3. Route the cable from the speaker control through the hole in back cover and connect wires as follows:

Green to Terminal 1

White to Terminal 2

Black to Terminal 3
4. Replace the back cover.
5. Assemble spade terminals on one end of the 20-foot speaker cable (part of 19A121771G3 Cable Kit) and connect the cable leads to TB1-1 and TB1-2 on the speaker control unit.



(19B227180, Rev. 0)

Figure 1 - Internal Speaker Modifications
SPEAKER 19B209425P1

1. Using the backing plate as a template, mark off 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 thread-forming screws and lockwashers.
3. Route cable from the speaker selector unit through backing plate (under mounting surface), grommet, and gasket, to the speaker (see Figure 2). Cut cable to length and crimp on terminals.
4. Also crimp terminals to the speaker leads. Then connect the speaker leads and the cable leads using the two splice connectors furnished.

CAUTION

Neither side of the external speaker can be grounded.

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

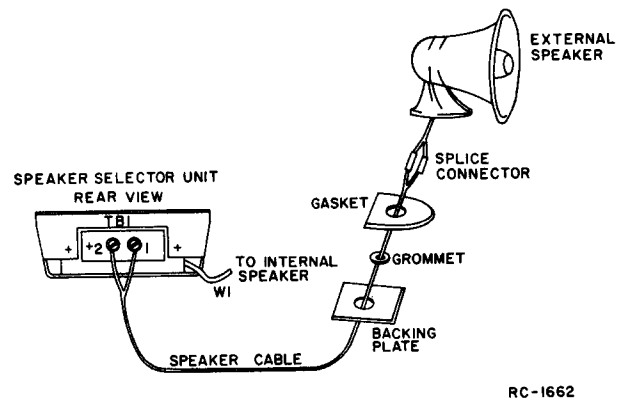
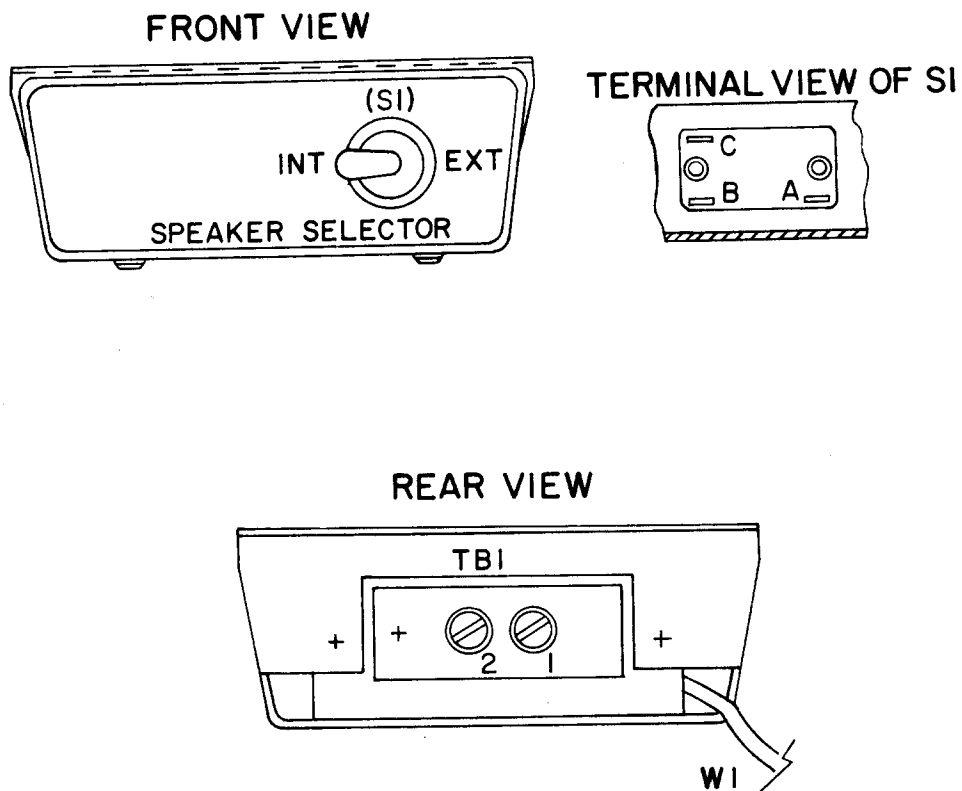


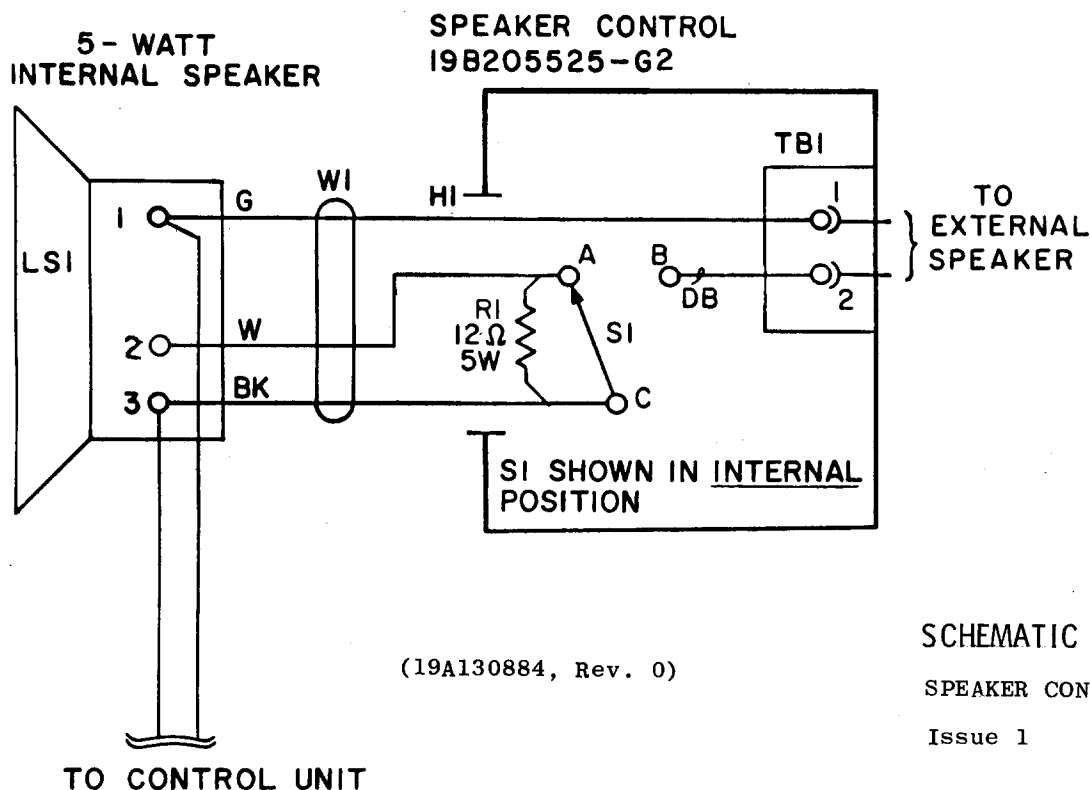
Figure 2 - External Speaker Connections



(19B205650, Rev. 0)

OUTLINE DIAGRAM

SPEAKER CONTROL UNIT



(19A130884, Rev. 0)

SCHEMATIC DIAGRAM
SPEAKER CONTROL UNIT
Issue 1

PARTS LIST

SPEAKER CONTROL KIT
19B205525G2

<u>Symbol</u>	<u>GE Part No.</u>	<u>Description</u>
		----- RESISTOR -----
R1	5493035P26	Wirewound, 12 ohms $\pm 5\%$, 5W; sim to Tru-Ohm Type X-60.
		----- SWITCH -----
S1	5491899P1	Toggle, SPDT, 3-amps at 125 VAC/VDC; sim to Cutler-Hammer 8282K13.
		----- TERMINAL BOARD -----
TB1	7117710-P2	Phen, 2-term; sim to Cinch 1781.
		----- CABLE -----
W1	19A115469P2	Special purpose, 3 conductor, (specify length when ordering).

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