



TECHNICAL SERVICE BULLETIN

British Motor Holdings (U.S.A.) Inc.

734 GRAND AVENUE, RIDGEFIELD, NEW JERSEY 07657

July 1, 1968

TO ALL DISTRIBUTORS AND DEALERS

Re: Radio Installation and Operating Instructions

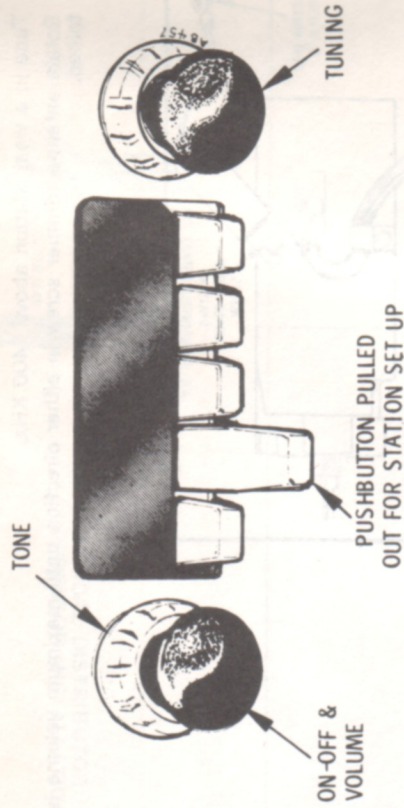
MGB Mark II
MGB/GT Mark II
Austin Healey
Sprite Mark IV (1968)
MG Midget
Mark III (1968)
Austin America

Attached is a copy of the Radio Installation and Operating Instructions for the dual polarity radio, Number HAC 720, together with the installation kits used on the above models.

Your attention is drawn to the speaker installation paragraph in the Austin America section. The speaker is mounted on two diagonally opposed studs ONLY secured with the two nuts provided. As the position of these studs has been changed slightly, it may be necessary to elongate the speaker holes to fit. Future production of this speaker will be modified to suit.

Future supplies of radio, Number HAC 720, will include this installation information.

OPERATING INSTRUCTIONS



ON-OFF SWITCH AND VOLUME CONTROL—The on-off switch and volume control are combined and are operated with the left hand knob.

TONE—The tone quality can be adjusted by rotating the tone control in either direction.

TUNING—Rotate the tuning control until the desired station is received. Tune carefully and to the center of the radio station; if tuned to either side of the center, you will hear excessive noise along with the radio program.

TO SET PUSHBUTTONS

The stations may be set up in any order, however, for convenience it is suggested they be set up in frequency sequence.

1. Turn radio on and allow to operate for fifteen minutes; extend antenna fully.
2. Unlock pushbuttons by pulling them out.
3. Accurately tune in a station with the manual tuning control.
4. Lock one of the pushbuttons to this station by pushing it firmly in.
5. Repeat above procedure for remaining pushbuttons.



ALL TRANSISTOR

RADIO

(Positive Battery Ground or
Negative Battery Ground)

Part No. HAC720

MGB MK II — MGB/GT MK II

MG Midget MK III (1968)

Austin Healey Sprite MK IV (1968)

Austin America

Installation and Operating Instructions

MGB MKII SERIES RADIO INSTALLATION—NEGATIVE GROUND

(USE INSTALLATION KIT HAC701)

IMPORTANT: BEFORE MAKING RADIO INSTALLATION, CHECK GROUND POLARITY OF THE CAR'S BATTERY TO DETERMINE IF IT IS POSITIVE OR NEGATIVE. THE POSITION OF THE POLARITY REVERSING PLUG TO CORRESPOND WITH THE BATTERY GROUND AS SHOWN IN DETAILS.



INSTALL ANTENNA

Follow the antenna installation instructions provided in the antenna package.

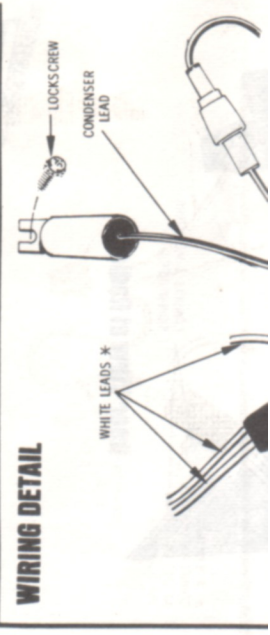
INSTALL RADIO INTO CONSOLE (Figure 1)

1. Disconnect ground lead from battery.
2. Detach ashtray assembly.
3. Detach console by removing two screws from each side of console. Disconnect wiring where necessary.
4. Remove radio opening chrome trim with monogrammed cover. Retain chrome trim.
5. Drill following holes: (See Figure 1):
 - (a) Drill 3/16" hole (four places) in side of console horizontally in line with existing console mounting hole.
 - (b) Drill 1/4" hole in console reinforcement as shown in rear view of radio.
6. Mount radio to console as follows:
 - (a) Place backing plate over mounting bushings on front of radio with bent edges toward radio and fibre insulator at bottom.
 - (b) Center radio in radio opening; place chrome trim and trim plate over mounting bushings. (The word "Top" on trim plate must be properly positioned.) Secure in place with two 1/2-28 nuts.
 - (c) Install knobs as shown.

INSTALL SPEAKER

1. Remove speaker mounting panel located under instrument panel on right side. (See detail, Fig. 1.)
2. Attach speaker to mounting panel.
3. Route speaker leads through opening in console reinforcement to speaker mounting panel and connect to speaker.
4. Reinstall mounting panel.

WIRING DETAIL



MAKE ELECTRICAL CONNECTIONS

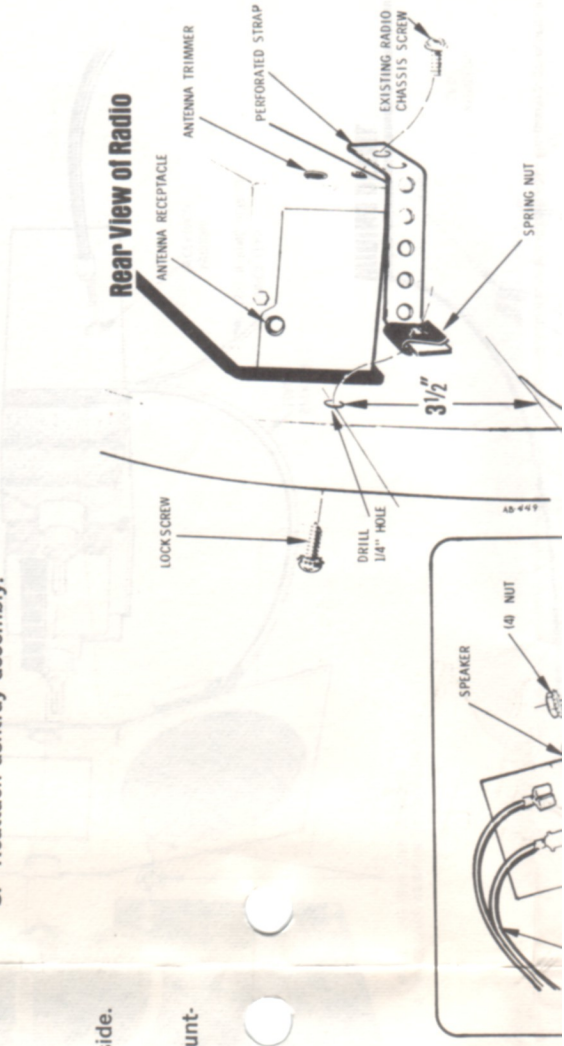
1. Position console near console reinforcement.
2. Connect power lead and condenser lead as follows (See wiring detail, Fig. 1):
 - (a) Cut terminal lug off radio power lead and off condenser lead. Strip 3/8" of insulation from cut end of wires. Connect 12" extension lead, power lead and condenser lead together with wire nut.
 - (b) Locate appropriate 4-terminal female connector in harness at left side of instrument panel. (Connector has three white leads connected to it, leaving one open female terminal.) Plug bullet terminal of power lead into open terminal of 4-terminal connector.
3. Plug antenna lead into antenna receptacle on right side of radio.
4. Connect ground lead to battery.

ADJUST ANTENNA TRIMMER

1. Turn radio on and allow to operate for fifteen minutes.
2. Extend antenna to full height.
3. Tune in a weak station above 1400 KHZ.
4. Rotate antenna trimmer in either direction until maximum volume is obtained.

ATTACH CONSOLE

1. Reconnect all electrical wiring to console.
2. Install perforated support strap to console reinforcement using spring nut. See rear view of radio, Fig. 1.
3. Remove existing radio chassis cover screw as indicated.
4. Angle radio and antenna lead through radio opening of console reinforcement and secure console to reinforcement at relocated holes.
5. Bend perforated strap to fit contour of radio and fasten in place with radio chassis cover screw.
6. Mount condenser to convenient spot on metal panel with lock screw provided.
7. Secure console at relocated holes using four original screws.
8. Reattach ashtray assembly.



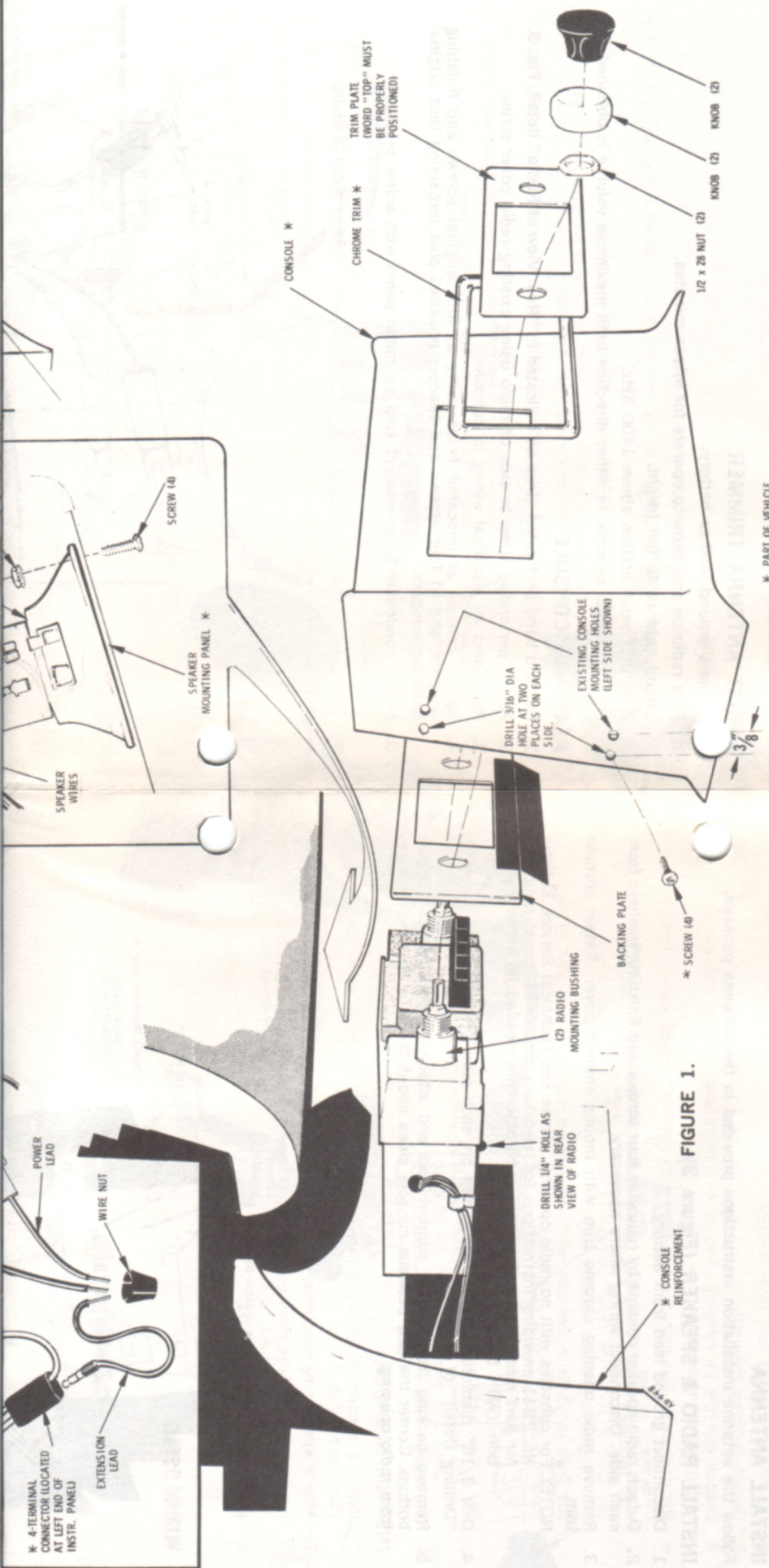


FIGURE 1.

AUSTIN AMERICA RADIO INSTALLATION—POSITIVE GROUND (USE INSTALLATION KIT HAC 711)

IMPORTANT: BEFORE MAKING RADIO INSTALLATION, CHECK GROUND POLARITY OF THE CAR'S BATTERY TO DETERMINE IF IT IS POSITIVE OR NEGATIVE. THEN POSITION THE POLARITY REVERSING PLUG TO CORRESPOND WITH THE BATTERY GROUND AS SHOWN IN DETAILS.



7. Secure radio to fascia front panel with two 1/2-28 hex nuts.
8. Install knobs as shown.
9. Connect radio power lead as follows (See Detail 2, Fig. 2): Unplug double white wire from back side of ignition switch. Plug the radio power lead onto vacated terminal of ignition switch. Then plug condenser lead on tab of radio power lead terminal, and finally, plug double white wire on tab of condenser lead terminal.
10. Attach condenser to left side of radio as shown in Detail 1 of Figure 2.
11. Plug antenna lead into antenna receptacle on radio.

INSTALL SPEAKER

- Mount speaker to two diagonally positioned speaker mounting studs located under fascia top panel using two nuts provided.
2. Remove backing from cushion pad and attach pad on speaker magnet.
 3. Connect speaker wires to speaker.
 4. Reinstall fascia top panel over fascia front panel.

INSTALL ANTENNA

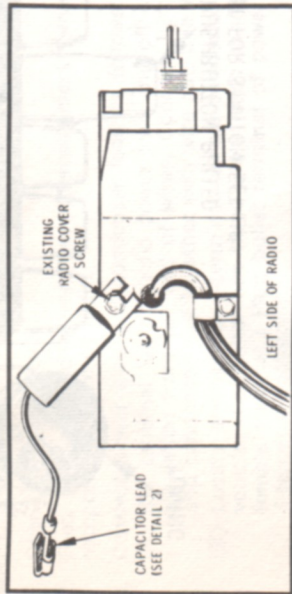
Follow the installation instructions provided in the antenna package.

INSTALL RADIO (Figure 2)

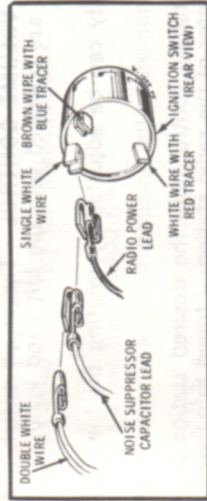
5. Reconnect ground cable to battery.

JUST ANTENNA TRIMMER

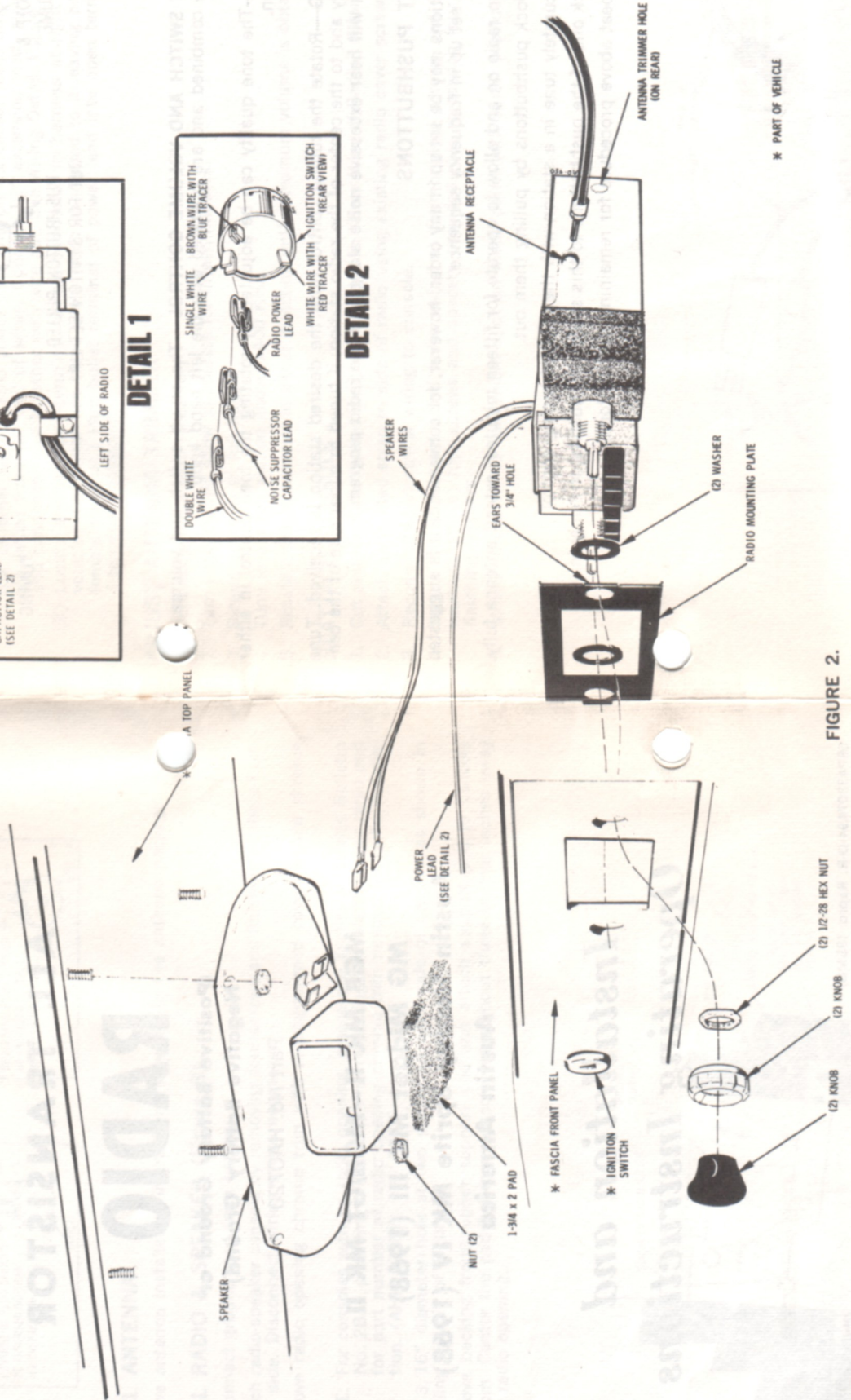
1. Turn radio on and allow to operate for fifteen minutes.
2. Extend antenna fully.
3. Tune in a weak station above 1400 KHz.
4. Rotate antenna trimmer screw in either direction until maximum volume is obtained.



DETAIL 1



DETAIL 2



* PART OF VEHICLE

FIGURE 2.

1. Disconnect ground cable from battery.

2. Remove fascia top panel by removing four self tapping screws.

3. Remove radio opening cover plate from fascia front panel by removing two nuts and washers from behind cover plate.

4. Using a 3/8" sheet metal punch with a 3/16" pilot screw, punch two 3/4" holes in fascia front panel using the two existing holes as locating guides.

5. Place two flat washers onto radio mounting bushings. Fit radio mounting plate (with word "TOP" properly positioned and the painted side facing fascia front panel) onto radio mounting bushings.

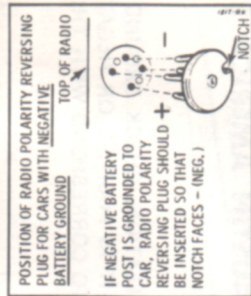
6. Place radio into mounting position (from underneath instrument panel), making sure the ears on radio mounting plate center into 3/4" holes punched into fascia front panel.

AUSTIN HEALEY SPRITE MK IV (1968) and MG MIDGET MK III (1968)

(USE INSTALLATION KIT HAC 704)

NEG / E GROUND

IMPORTANT: BEFORE MAKING RADIO INSTALLATION, CHECK GROUND POLARITY OF THE CAR'S BATTERY TO DETERMINE IF IT IS POSITIVE OR NEGATIVE. THEN POSITION THE POLARITY REVERSING PLUG TO CORRESPOND WITH THE BATTERY GROUND AS SHOWN IN DETAILS.



INSTALL ANTENNA

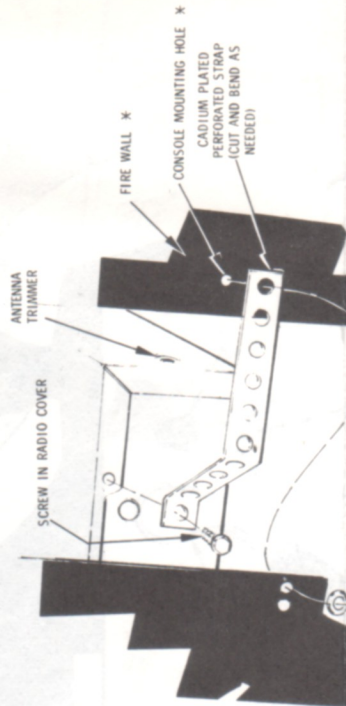
Follow the antenna installation instructions provided in the antenna package.

INSTALL RADIO & SPEAKER (Figure 3)

1. Disconnect ground lead from battery.
2. Detach radio-speaker console by removing four screws and finishing washers from each side. Disconnect wiring where necessary.
3. Remove radio opening chrome trim with monogrammed cover. Retain chrome trim.

NOTE: For consoles with no radio opening, please see Technical Service Bulletin No. 2B11 providing instructions for reworking console to accept radio and for part number of radio opening chrome trim needed for radio installation. (AHH 5255).

4. Drill 3/16" diameter hole at two places on each side of console as shown in "Drilling Detail" of Figure 3.
5. Remove backing from rubber support pad and attach support pad to console bottom. Center the pad between console sides about three to four inches away from radio opening.



6. Place radio, speaker and mounting plate on forward portion of console.
7. Center radio, speaker and mounting plate assembly into radio opening, place chrome trim and trim plate over mounting bushings (the word "Top" on trim plate must be properly positioned). Secure in place with two 1/2-28 hex nuts.
8. Install knobs as shown.

MAKE ELECTRICAL CONNECTIONS

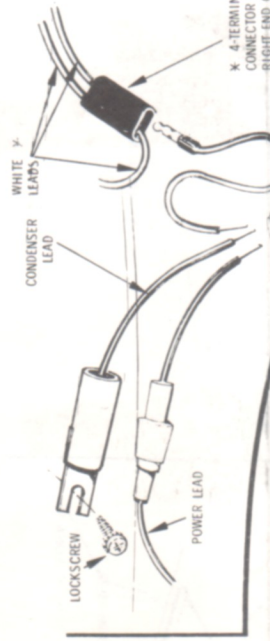
1. Connect speaker leads.
2. Feed antenna lead-in from behind instrument panel and plug it into antenna receptacle on side of radio.
3. Connect power lead and condenser lead as follows:
 - (A) Cut terminal lug off radio power lead and off condenser lead. Strip 3/8" of insulation from cut end of wires. Connect 12" extension lead, power lead and condenser lead together with wire nut. See Wiring Detail, Figure 3.
 - (B) Locate appropriate 4-terminal female connector in harness at right side of vehicle. (Connector has three white leads connected to it leaving one open female terminal.) Plug bullet terminal of power lead into open terminal of 4-terminal connector.

ADJUST ANTENNA TRIMMER

1. Connect ground lead to battery.
2. Turn radio on and allow to operate for fifteen minutes.
3. Extend antenna to full height.
4. Tune in a weak station above 1400 KHz.
5. Rotate antenna trimmer in either direction until maximum volume is obtained.

REATTACH CONSOLE

1. Cut and bend perforated strap as indicated in "Rear View of Radio" detail, Fig. 3.
2. Attach perforated strap to side of radio using existing radio cover screw.
3. Reconnect all electrical wiring to console.
4. Secure console at relocated holes using a) four original screws and finishing washers, and b) four screws and spacers provided plus remaining four original finishing washers.
5. Mount condenser to convenient spot on metal panel with screw provided.



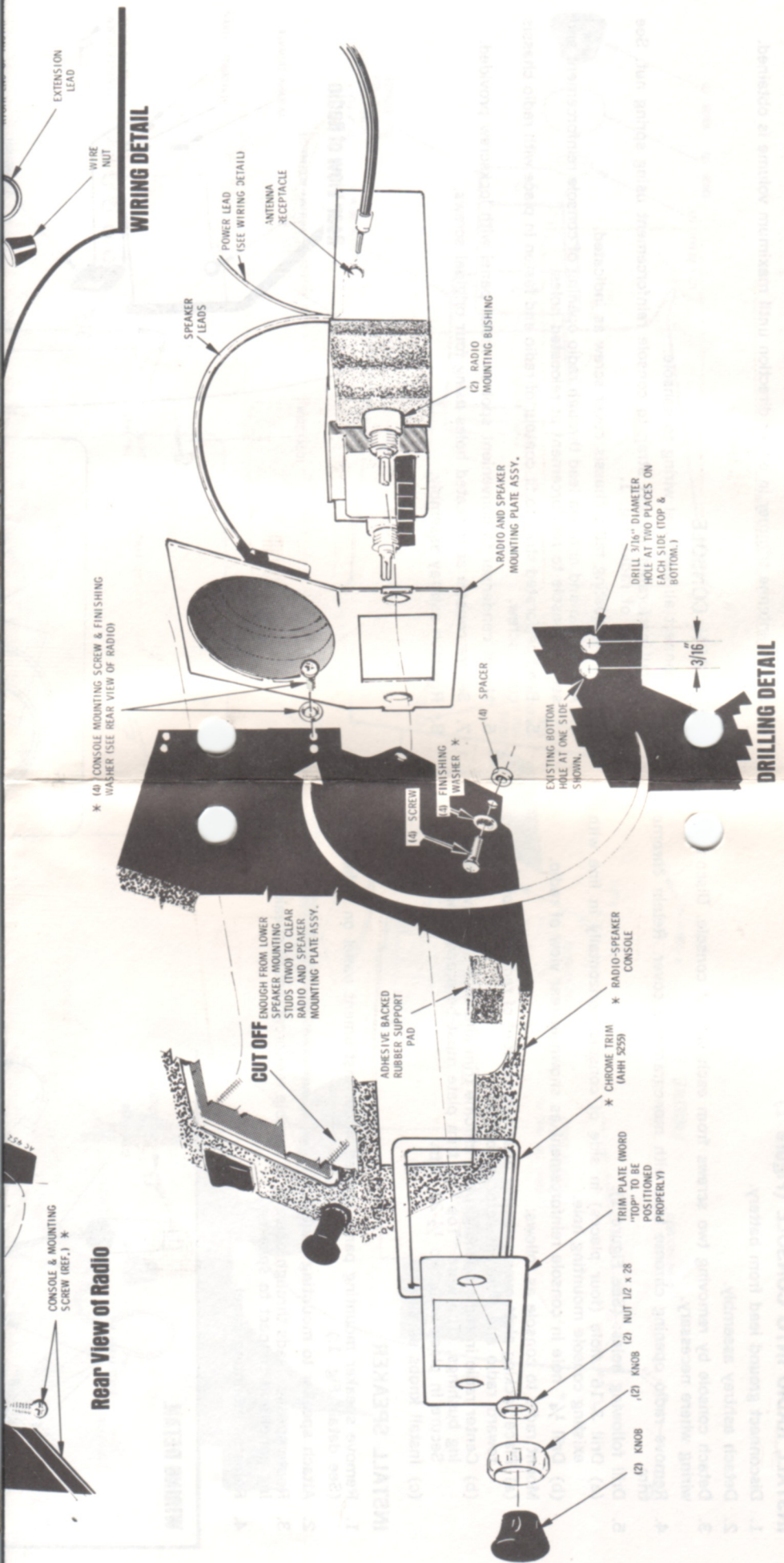


FIGURE 3.

INTERFERENCE ELIMINATION

Where necessary, interference may be further reduced by installing a distributor suppressor as shown. Available from Motorola at a nominal cost under part number 6A4141.

