



CAR RADIO INSTALLATION INSTRUCTIONS

Pamphlet 78723
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Supplied by Amalgamated Wireless (Australasia) Ltd.

KIT No. : 81336/001
WHERE USED : HOLDEN HX SERIES.
RADIO : RU-130B, RU-140A, RU-348A or RU-349A.
WARNING : These receivers are suitable for 12V d.c. negative earth operation only. Connection to wrong polarity will damage the receiver.
WARRANTY SERVICE: Fill in the details required on the Warranty Service page of the Owner's Manual, recording in particular the Serial number.

1. PREPARATION.

- 1.1 Disconnect battery earth lead.
- 1.2 Remove ash tray.
- 1.3 Remove six screws securing lower instrument panel :-
1 under the panel on glove box side, 2 in ash tray holder, 1 on top of small map holder recess, 1 just to right of steering column and 1 in edge of door column (open driver-side door). Remove panel which must be lowered on the driver-side to free a location wedge from the instrument panel shroud.

2. AERIAL MOUNTING.

- 2.1 Mount aerial on passenger-side front fender on position shown on Fig. 1.
- 2.2 Drill a small hole where shown and enlarge to size required.
- 2.3 Clean an area around the under side of hole to ensure good electrical connection. Coat exposed metal with petroleum jelly.
- 2.4 Mount aerial and feed aerial cable into car through hole as shown in Fig. 1.

3. SPEAKER MOUNTING: MONO.

Standard installation is a 225 x 150 speaker and baffle assembly mounted under the grille on top of the instrument panel. Alternatives available are a rear mounted speaker or a front and rear speaker combined with a fader control.

3.1 Front Speaker Kit 81335/002:

- Remove one wing nut securing demist nozzle to mounting stud. Loosen other wing nut.
N.B. Some wing nuts may break when loosened, if so, replace with plain washers and new wing nuts.
- If air vent is fitted to centre of instrument panel it must be removed to facilitate fitting of speaker.
.File 45° taper on the end of a short length of 1.5mm (1/16") brass rod.
.Remove deflecting vane section of the vent; insert tapered end of rod into slot visible in the driver-side pivot to depress pivot and pull vane section free.
.Remove ducting by using a screwdriver to free retaining catches in the top and bottom edges.

- Feed speaker into position onto studs in the following sequence:-
 - . Speaker and baffle assembly held vertically -cone facing to rear of car - mounting slots to trailing edge.
 - . Guide speaker up behind instrument panel.
 - . When nearing top of panel tilt leading edge towards windscreen and roll speaker assembly into position.
 - . Engage slots to mounting studs and secure with wing nuts.

3.2 Rear Speaker Kit 78504:

- Speaker mounts under rear parcel shelf; remove rear seat and squab.
- From inside the boot use existing speaker mounting holes in metal panel as template to drill speaker mounting holes through the parcel shelf liner.
- Remove liner, locate speaker template over drilled holes, mark and cut out speaker opening on the liner.
- Refit liner. Place speaker under metal shelf, the grille above the liner and secure assembly with four screws and wing nuts.
- Connect extension leads to speaker (trace lead to phase mark) and route lead to radio position. Refit seat and squab.

4. SPEAKER MOUNTING - STEREO.

Stereo speaker installations may be 175 x 125 speakers mounted on the side cowl trim panels or the same speakers mounted on rear parcel tray or both combined with a fader control.

- 4.1 - Remove left and right cowl side trim panels.
 - Locate indent marks on trim corresponding to speaker mounting points. Drill 5mm mounting holes.
 - Place template over holes, mark and cut out speaker opening.
 - Place grille on outside, speaker on inside of trim and secure with screws and wing nuts.
 - Fit speaker leads and route them to radio position.
 - Refit trim panels.

4.2 Rear Speaker Kit 76284:

- Speaker locations are provided under the rear parcel tray. Fit speakers as in 3.2 above.

5. FADER MOUNTING.

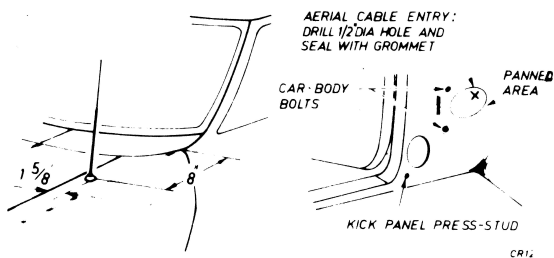
- 5.1 Use Fader Kit 72246 or for Stereo - Kit 72247 or 78079.
- 5.2 Drill 100mm and fit fader control in position shown in Fig. 2.
- 5.3 Connect speakers to fader.

6. RECEIVER MOUNTING. Refer Fig. 2.

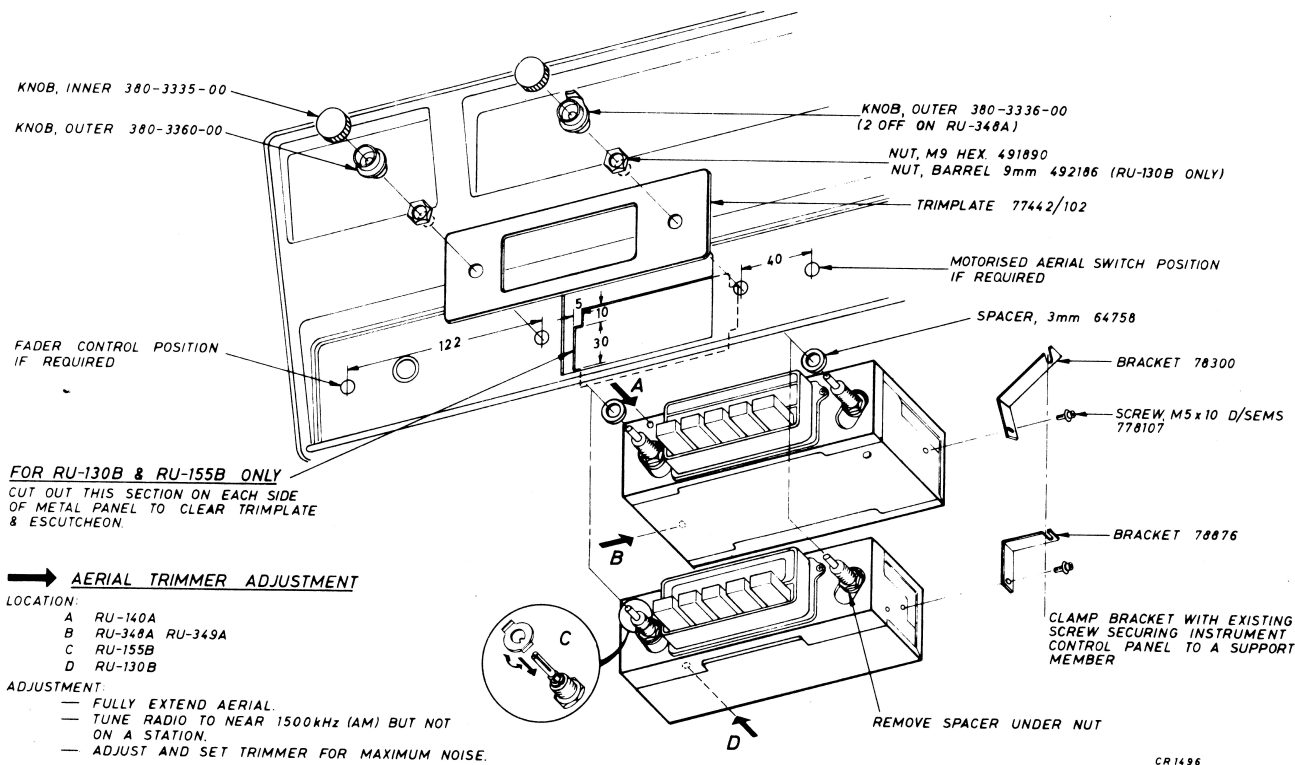
- 6.1 Remove the plastic cover from the radio aperture (held by two clips).

- 6.2 Cut metal panel behind opening as shown if RU-130 is to be fitted.
 - 6.3 Fit bracket to radio and remove front spacer washers from RU-130B as shown.
 - 6.4 Connect aerial and speaker(s) or fader control to receiver. Connect radio LT lead to spare accessory terminal of the fuse panel under the instrument panel. Reconnect car battery lead and Adjust Aerial Trimmer.
 - 6.5 Fit radio and secure with M9 nuts (barrel nuts for RU-130B). Secure bracket under existing screw securing the instrument control panel to a support member.
 - 6.6 Refit instrument panel cover and ash tray.
7. SUPPRESSION - AM
- 7.1 Ignition Coil and Alternator. Add suppression capacitors as shown in Fig. 3.
8. SUPPRESSION - FM using Kit 81335/003.
- 8.1 Windscreen Wiper Motor: Noise Suppressor.
Insert noise suppressor between motor and plug as shown in Fig. 4.
 - 8.2 Earth Braid:
 - . 1 Engine to chassis:
 - Use 200mm braid for 6-cylinder; 170mm braid for 8-cylinder:
 - Use braid to bridge the passenger-side front engine mounting block.
 - Drill holes, using No. 27 drill in the support and chassis cross member.
 - Clean all paint from around these holes and cover exposed metal with petroleum jelly.
 - Secure braid to each point with No. 8 x 3/8" S/T screws and plain washers.
 - . 2 Bonnet.
 - Use 250mm braid lead assembly for 6-cylinder; 200mm braid for 8-cylinder.
 - Use braid between body and bonnet near the passenger-side hinge.
 - Drill 1/8" dia. hole in the under side double skin of the bonnet in line with rear rubber cushion.
 - Drill 1/8" dia. hole in body in line with rear of the rear hinge strut.
 - Prepare surfaces and mount as in .1 above.
 - . 3 Bonnet.
 - Use 170mm for 6-cylinder; 250mm braid lead assembly for 8-cylinder.
 - The braid is used to effectively earth the front of the bonnet.
 - For a 6-cylinder vehicle:
 - . Clamp braid under a bolt on the thermostat cover.
 - . Secure other end to shield over radiator fan. Drill 1/8" dia. hole, prepare surface and mount as in .1 above.
 - For an 8-cylinder vehicle:

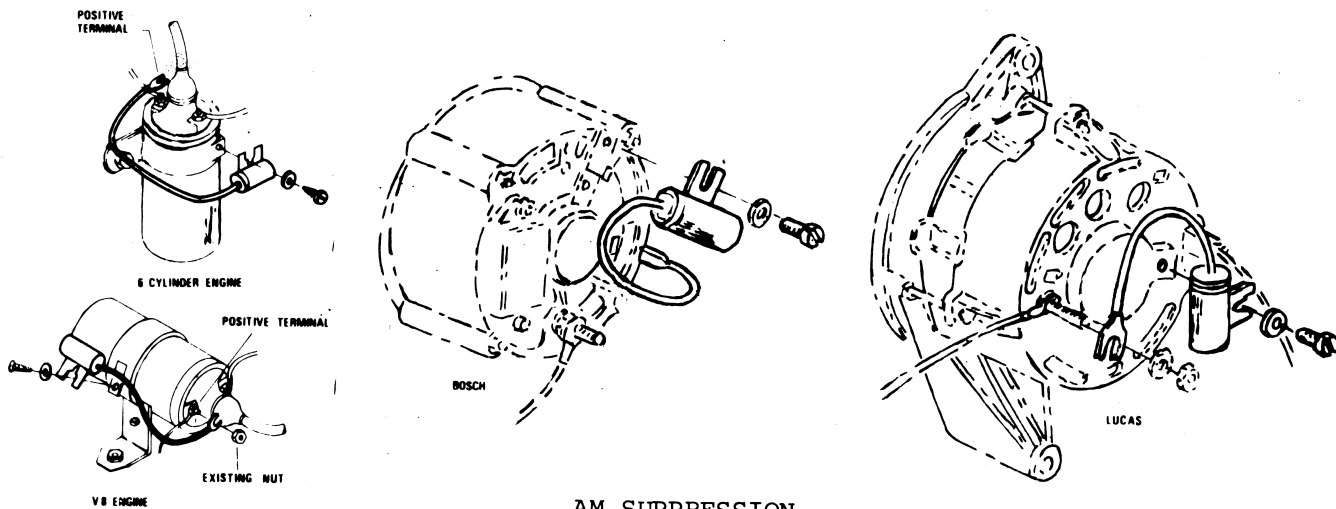
- .Clamp spade lug end under alternator adjusting bolt.
- .Secure other end to plate beside radiator. Drill 1/8" dia.hole, prepare surface and mount as in .1 above.



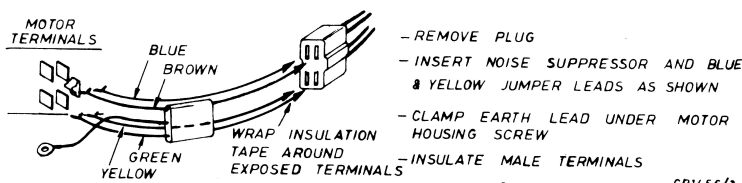
AERIAL MOUNTING
FIG.1



RADIO INSTALLATION
FIG.2



AM SUPPRESSION
FIG.3



WINDSCREEN WIPER MOTOR FM SUPPRESSION
FIG.4