

AERIAL and FRONT LOUDSPEAKER MOUNTING

1. Remove woodscrews securing finisher and grille to header. Discard packing ring.
2. Drill a $\frac{1}{2}$ " diameter hole in roof panel. See Fig 1. (inset)
3. Ensure that area around hole on underside of panel is scraped to bare metal. Fit Aerial.

NOTE : Aerial lead-in and loudspeaker leads are fitted to all cars (See Fig. 1)

4. Connect lead to loudspeaker and mount loudspeaker, grille and finisher as shown in Fig. 1.

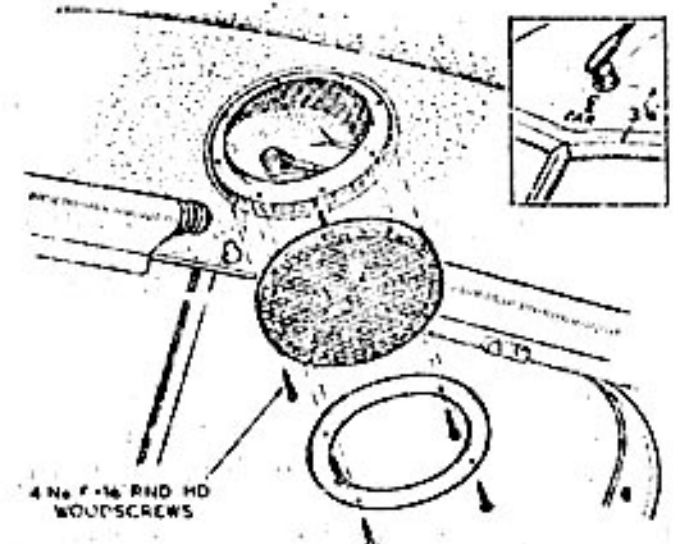


Fig. 1

P/A UNIT MOUNTING

1. Remove battery. Fit bracket as shown in Fig. 2., and secure with fixings provided. (Drill four $\frac{3}{8}$ " diameter holes in battery compartment).
2. Secure unit to brackets as shown in Fig. 2.
3. Replace battery.

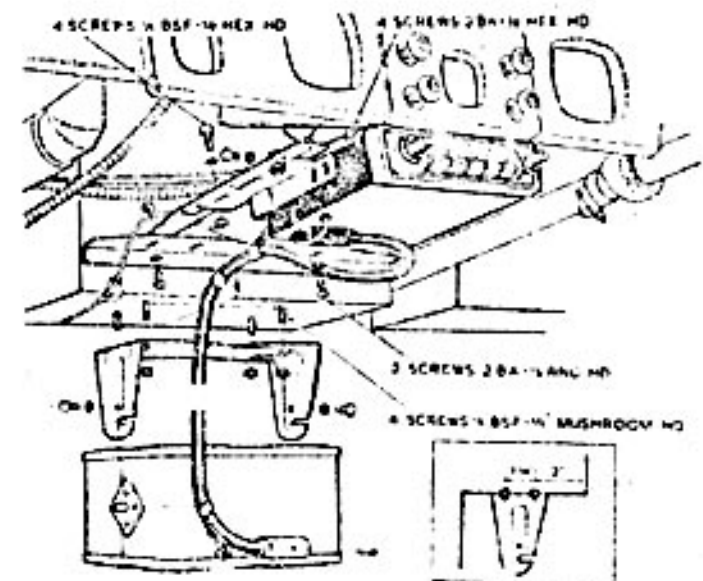


Fig. 2

CONTROL UNIT MOUNTING

NOTE : Bristol 403 cars which have radio fitted at the factory have a wooden finisher provided.

1. Attach front support bracket to instrument panel supports as shown in Fig. 2 or Fig. 3.

NOTE : Aerial lead-in and loudspeaker lead will be found clipped to LH panel support and should be released at this stage.

2. Secure main mounting bracket as shown in Fig. 2 or Fig. 3 using fixings provided.
3. Attach Control Unit to brackets as shown in Fig. 2 or Fig. 3.
4. Route interconnecting cable as shown and lock each plug with the 4BA screw provided.
5. Insert aerial lead-in plug into "AE" socket on Control Unit.

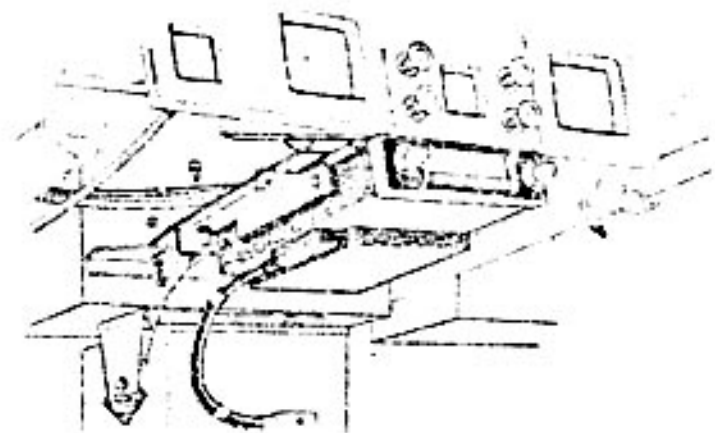


Fig. 3

Mark out and drill a $\frac{1}{4}$ " diameter grommet hole and $\frac{3}{8}$ " diameter hole in scuttle panel as shown in Fig. 4.

7. Route battery lead as shown in Fig. 4 and secure screening braid to scuttle by means of the 2BA x $\frac{1}{8}$ " screw, washer and nut provided.

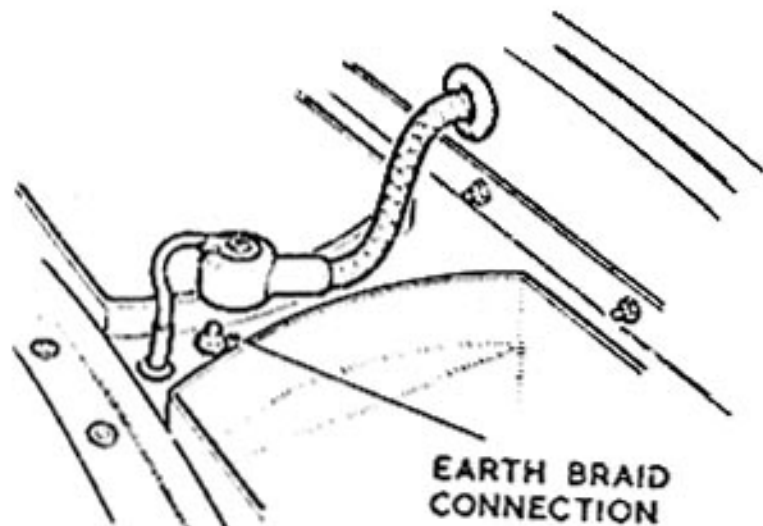


Fig. 4

REAR LOUDSPEAKER MOUNTING

1. Remove rear seat and squab. Ease back trim on rear squab shelf. Use loudspeaker card ring as template, mark out and drill four $\frac{7}{32}$ " diameter holes and $5\frac{1}{2}$ " diameter hole as shown in Fig. 5.

2. Cut trim covering and fair around aperture as shown.

3. Attach loudspeaker to shelf as shown in Fig. 5., using the fixings provided.

4. The routing of rear loudspeaker lead should follow that of the main loom *i.e.* from the unit through the floor along chassis outrigger to luggage compartment.

5. Attach lead to loudspeaker.

6. Ensure that both loudspeaker leads have been connected to four pin plug as shown in Fig. 6.

7. Connect battery lead to terminal of battery as shown in Fig. 4.

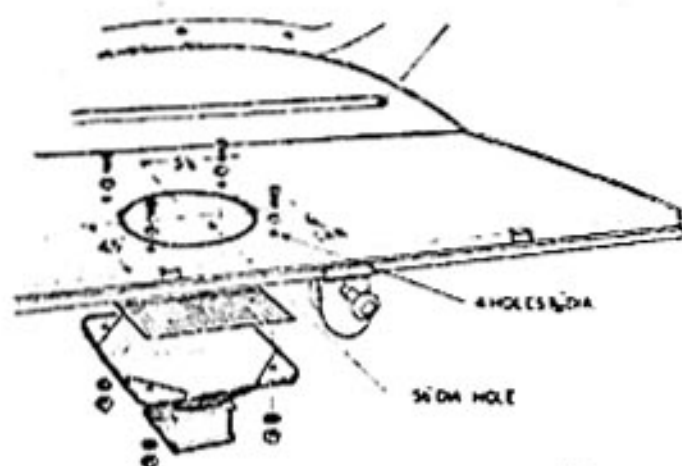


Fig. 5

SUPPRESSION

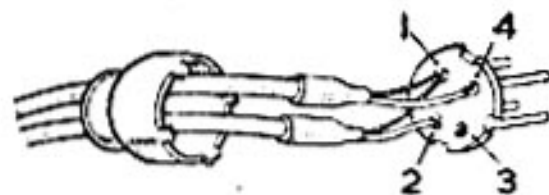
NOTE: It is important to keep all wiring *i.e.* ignition and capacitor leads etc., as short as possible and to scrape to bare metal each point at which an earth connection is made.

A 5,000 ohm resistor is fitted to the distributor and a 1 mfd. capacitor to the coil, as standard on all cars.

1. Fit a 1 mfd. capacitor to dynamo supply terminal. Earth to dynamo mounting bracket.

2. If interference is still present, attach a length of copper braid between bulkhead face via control cable clamps to a convenient point on the clutch housing.

3. A length of braid should also be attached between the bulkhead and the rear fixing of the Control Unit.



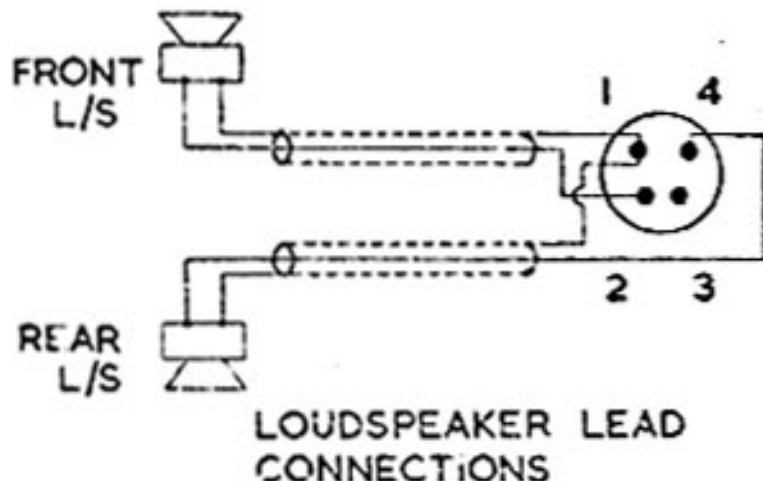
VIEWS ON INSIDE OF PLUG

Aerial Trimmer (4200 series)

Switch on receiver and tune to a weak signal on 250 metres (1200 kc/s) approximately. Adjust aerial trimmer—small set screw on right hand side of control unit—for maximum volume.

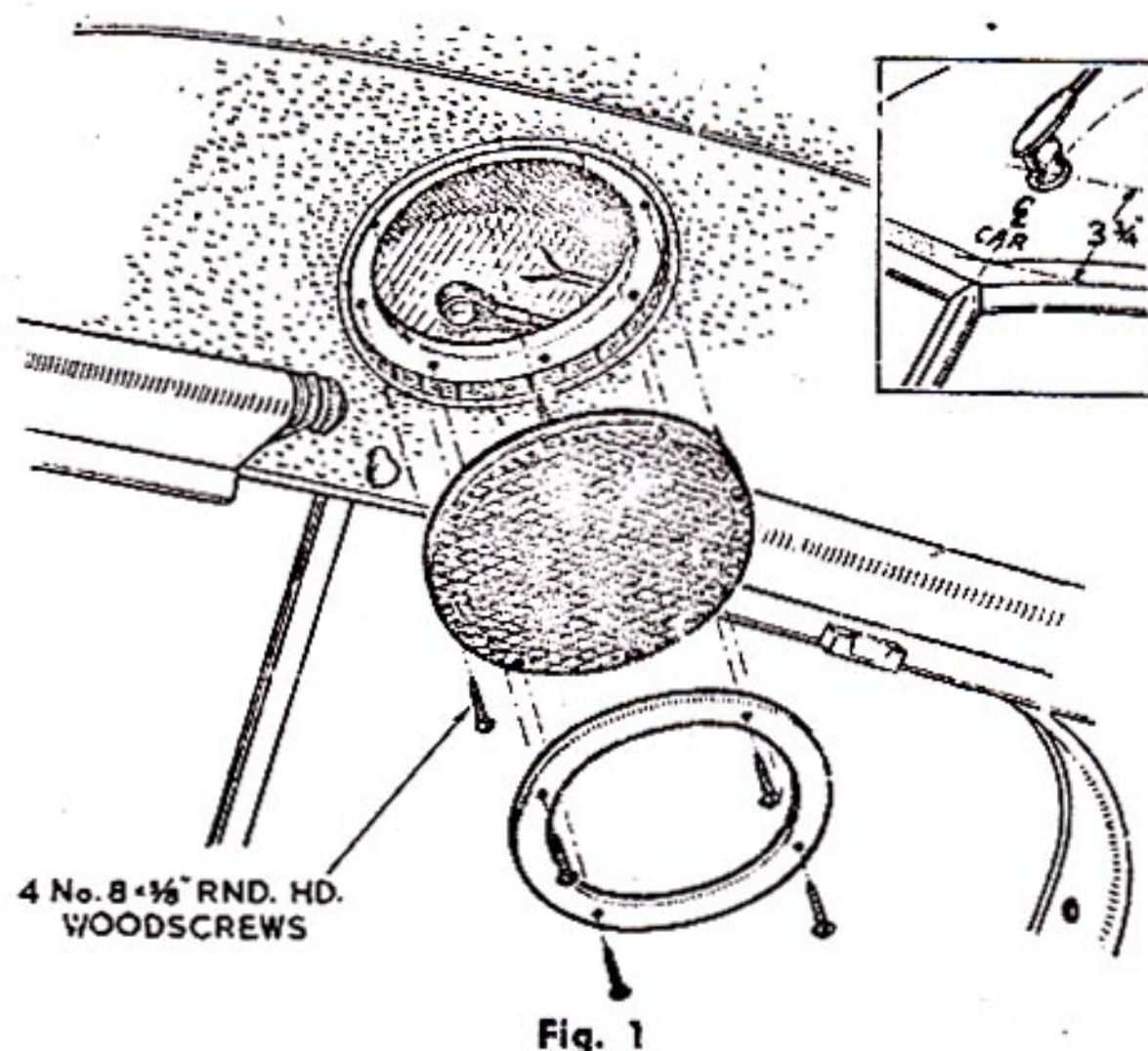
Aerial Trimmer (4300 only)

Switch to the "SW" band (41-90 metres) and tune receiver to a weak signal near the middle of the band. Adjust aerial trimmer—small set screw on right hand side of control unit—for maximum volume.



INTRODUCTION

In these installations the Control Unit is mounted in an aperture provided in the passengers side of the fascia. The Power Amplifier Unit is mounted on the left hand side scuttle compartment wall. A roof type aerial is employed. In both installations a front loudspeaker is fitted in the header panel and, in the Bristol 405 installation, a rear speaker is also mounted on the parcel shelf.

**AERIAL & FRONT LOUDSPEAKER MOUNTING (See Fig. 1.)**

1. Remove woodscrews securing finisher and grille to header. Discard packing ring.
2. Drill a $\frac{3}{4}$ " diameter hole in roof panel. See Fig. 1. (inset).
3. Ensure that area around hole on underside of panel is scraped to bare metal. Fit aerial.

NOTE: Aerial lead-in and loudspeaker leads are fitted to all cars. (See Fig. 1.)

4. Solder tags to lead, connect to loudspeaker and mount loudspeaker, grille and finisher as shown in Fig. 1.

CONTROL UNIT MOUNTING (See Fig. 2)

1. Remove blanking panel covering aperture on passengers side of car.
2. Remove knobs from control unit.
3. Remove escutcheon. (Two retaining nuts).
4. Fit chrome bezel provided, and re-assemble.

5. Pass control unit through aperture, fitting felt packing strip around unit and inside aperture.
 6. Secure to bracket, already fitted in car, using the four 2BA x $\frac{1}{8}$ " screws, plain and shakeproof washers provided.
 7. Adjust unit so that chrome bezel lies flush to facia and tighten all fixings.
 8. Connect fuse holder assembly to supply lead incorporated in loom.
- NOTE:** This lead is taped near the control unit mounting bracket.
9. Plug in interconnecting lead and route through bulkhead to power amplifier location.
- NOTE:** A hole is provided in the bulkhead (found beneath felt covering) See Fig. 3.
10. Plug in aerial lead.

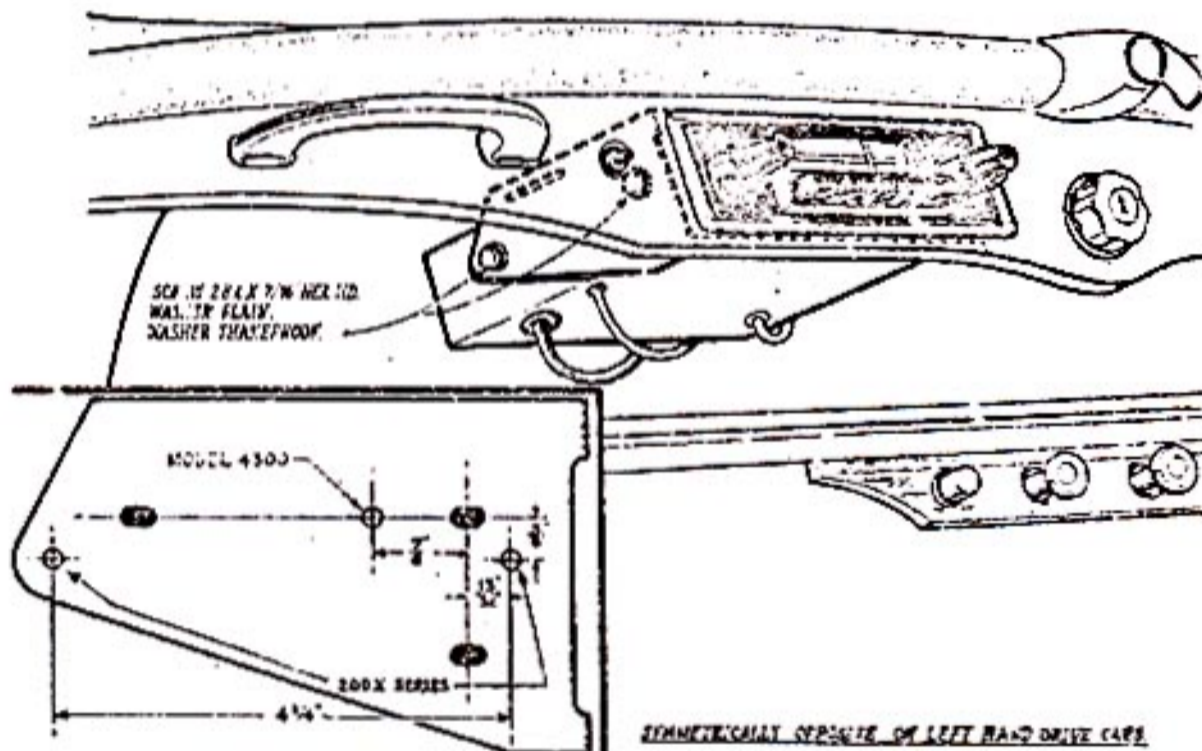


Fig. 2

POWER AMPLIFIER MOUNTING (See Fig. 3)

1. Fit the mounting bracket to the wall of the scuttle compartment on the left hand side of the car using the four $\frac{1}{2}$ " BSF x $\frac{1}{2}$ " screws. (Four holes are provided in all cars.)
2. Remove cover from power amplifier unit. (Six P.K. screws).
3. Fit protection cover provided to top of cover and secure with four $\frac{1}{2}$ " UNF nuts and washers. Replace cover.
4. Plug in interconnecting lead.
5. Route loudspeaker lead into scuttle compartment and connect to three pin plug as shown in Fig. 5.
6. Mount unit in bracket and secure with fixings provided.

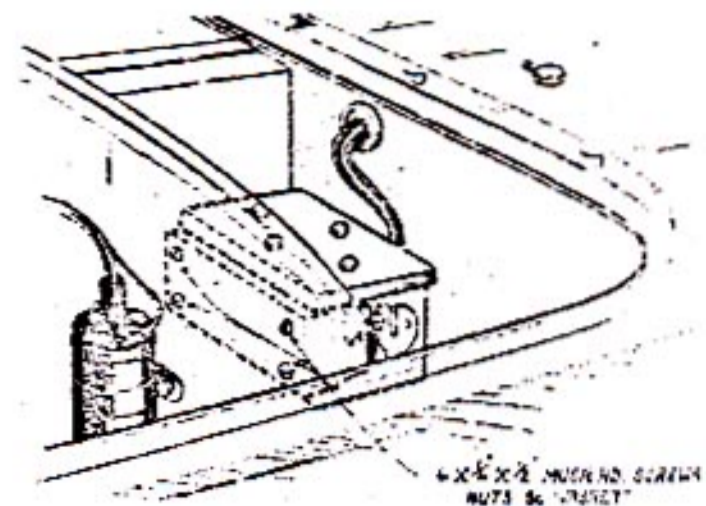
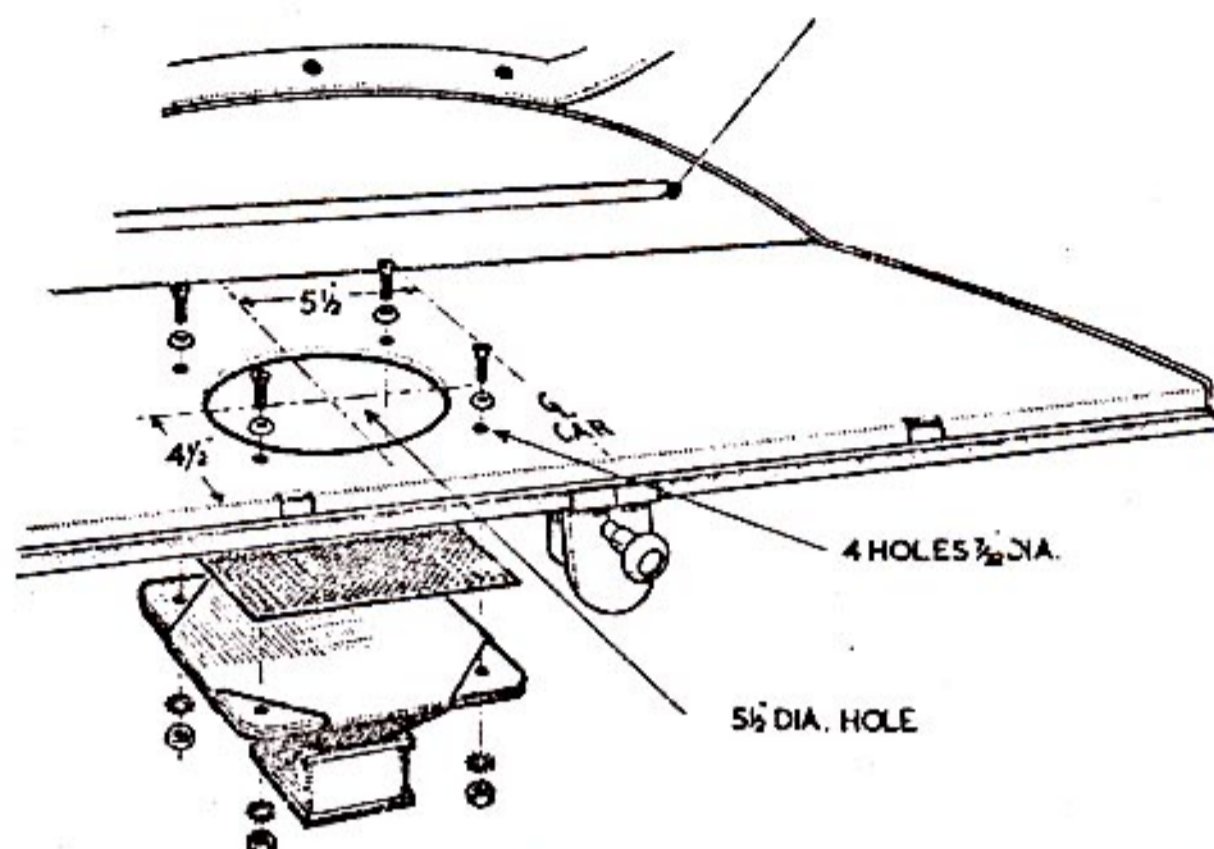


Fig. 3

REAR LOUDSPEAKER MOUNTING (Bristol 405 only) (See Fig. 4.)



1. Remove rear seat and squab. Ease back trim on rear squab shelf. Using the loudspeaker card ring as a template, mark off and drill four $\frac{5}{16}$ " diameter holes and $5\frac{1}{2}$ " diameter hole as shown in Fig. 4.
2. Cut trim covering an i fair around aperture.
3. Attach loudspeaker and grille to shelf using the fixings provided.
4. Solder tags provided to the loudspeaker lead and connect to loudspeaker.
5. Ensure that both loudspeaker leads are connected to three pin plugs as shown in Fig. 5.

SUPPRESSION

1. Fit a 1 mfd. capacitor to dynamo output terminal. Earth to dynamo mounting bracket.
2. Fit a 1 mfd. capacitor to A2 terminal on fuse block. Earth to panel underneath fuse block using the $\frac{1}{4}$ " UNF x $\frac{1}{2}$ " screw, washer and nut provided.

NOTE: A hole is provided in the panel in all cars.

3. Connect the 2mfd. capacitor across the clock between the supply terminal and frame.

AERIAL TRIMMER

Switch on receiver and tune to a weak signal on 250 metres (1200 kc/s) approximately. Adjust aerial trimmer—small set screw on right-hand side of control unit—for maximum volume.

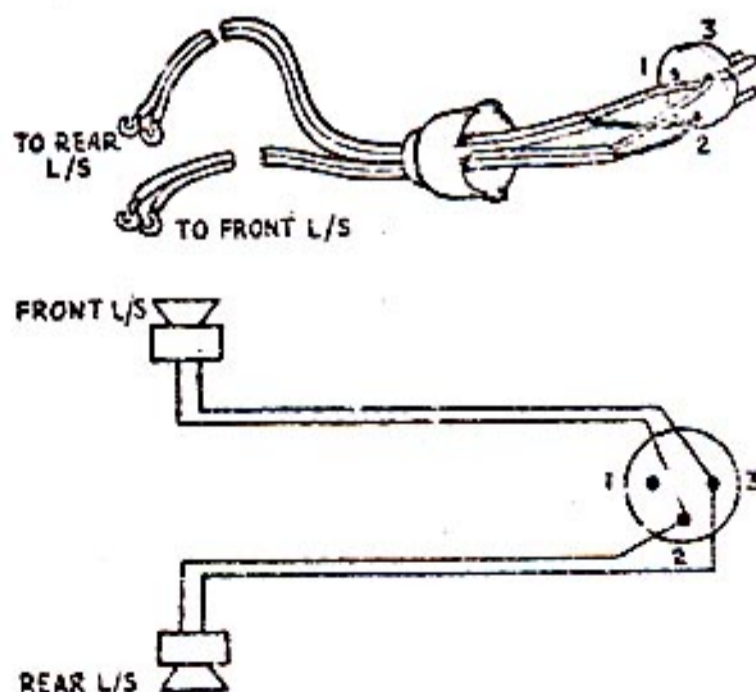
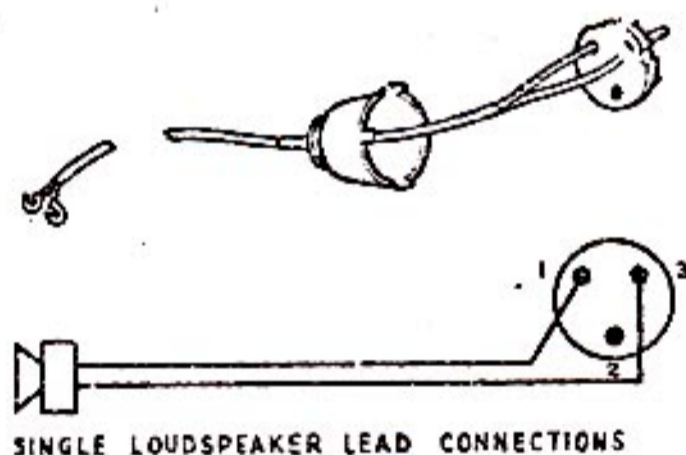


Fig. 5 TWIN LOUDSPEAKER LEAD CONNECTIONS 200X SERIES