'diamond-dot'

CAR RADIO DIVISION, ELECTRONIC INDUSTRIES LTD.

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7135-276-16

SERVICE DATA

HILLMAN SALOON SERIES "IIIB" AND HILLMAN SALOON SERIES "IIIC" "SPECIAL"

INSTALLATION INSTRUCTIONS FOR FITTING

CHRYSLER 12 VOLT CAR RADIO

MODELS PD-C - - and MD-C - - "J" SERIES RECEIVERS

In addition to the selected receiver the installation requires:-

Installation Accessory Package - Part No. 7281-300-02 (orange/purple)
Aerial - 5 section, telescopic whip, top mount type - P/No. 4074-044-02
or Aerial - 5 section, telescopic whip, lock down type - P/No. 4074-052-02

WARNING : BATTERY CONNECTION OF INCORRECT POLARITY WILL DAMAGE THE RECEIVER.

Before commencing installation disconnect leads from car battery. Note the polarity of the battery terminal which is connected to vehicle chassis, then set the receiver polarity changeover switch to corresponding position, i.e. "-" position, negative to chassis, "+" position, positive to chassis.

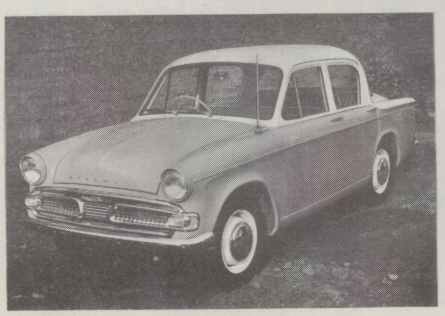
NOTE: AERIAL TRIMMER is to be adjusted at conclusion of installation.

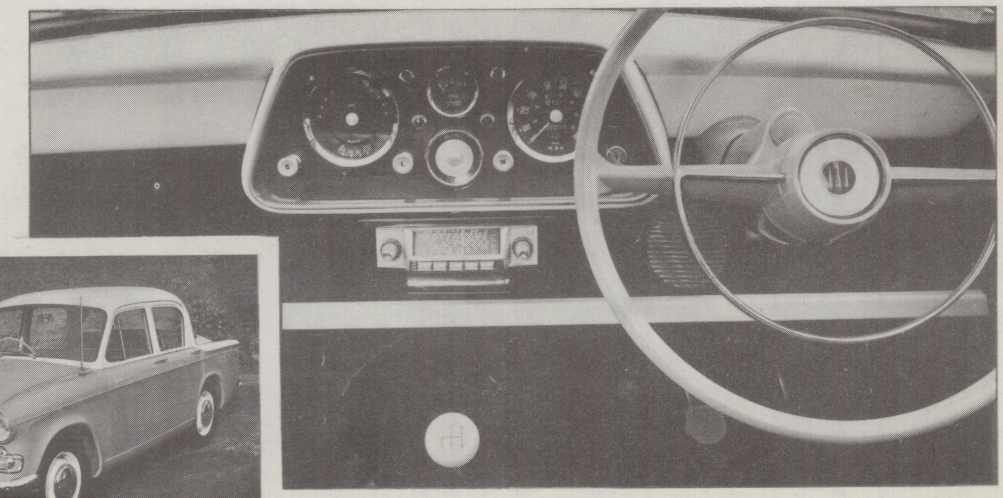
THE AERIAL as selected is to be mounted on top of passenger side fender.

MOUNTING POSITION: Both types of aerial.

On the passenger side fender, at a position $8\frac{1}{2}$" forward from cowl-door fender join line, and $4\frac{1}{2}$" out from fender-bonnet join line.

Continue installation of aerial as detailed on instructions supplied with aerial.





AERIAL LEAD-IN CABLE

1 From inside engine compartment, drill a $\frac{1}{2}$" dia. hole in passenger side engine well wall behind windscreen wiper motor.

2 Feed lead-in cable into engine compartment through the hole. Insert body of shroud grommet into hole then from engine side, pull through hole until head of grommet locates in and seals hole.

3 Feed cable through the main harness loom grommet in firewall into interior of car.

THE SPEAKER (6") assembled to a metal baffle plate, is to be mounted on to parcel shelf against passenger side of steering column. NOTE: The speaker assy. is finally installed after receiver has been fitted to car.

1 Remove and retain the speaker, speaker grille and fastening hardware from speaker baffle, then place baffle on to parcel shelf so that small tongue that contains a small hole is uppermost, and pointing toward rear of car.

2 Press speaker baffle against passenger side of steering column, then mark the position of hole in small tongue of baffle on to lower lip of instrument panel. Mark position of holes in speednuts attached to short arm of baffle on to parcel shelf floor.

3 Remove baffle, then drill a 3/16" hole at each of the two positions marked on parcel shelf floor. Drill a 9/64" hole at the position marked on lower lip of instrument panel.

4 Reposition speaker baffle then place a flat washer on to each of two $\frac{3}{8}$"x No.8 bdr. hd. screws; insert screw through holes in parcel shelf floor into speednuts. Leave screws fingertight.

THE RECEIVER when fitted into the housing assy. supplied (which incorporates side mount brackets) is to be mounted below instrument cluster and against botton ledge of instrument panel. The assy. is fastened to bottom ledge of instrument panel by four screws.

1 Remove and retain ash tray.

2 Press a spacer ring supplied on to each control bush lock nut then fit dial pointer to carriage arm.

3 Place receiver into housing assy. supplied so that the control spindles protrude through holes in cover plate and the holes in bracket arms at rear of cover plate locate over the thread forms in rear of receiver.

4 Fit dial reading. MANUAL RECEIVER ONLY: To push button opening fit filler bar then securely fasten with speednuts.

5 Fit escutcheon, chrome washers and barrel nuts to receiver; securely tighten barrel nuts. Fit manual control knobs.

6 Place a flat washer on to each of two $\frac{3}{8}$"x No. 8 bdr. hd. screws; insert screws through holes in bracket arms into thread forms in receiver case; securely tighten screws.

7 Place receiver assy. against bottom ledge of instrument panel so that driving side of receiver cover plate locates against passenger side of speaker baffle.

8 Align receiver to instrument panel, then mark the position of four holes in short arms of cover plate on to bottom ledge of instrument panel.

9 Remove receiver assembly then speaker baffle.

10 Remove four screws fastening instrument cluster panel to instrument panel, then ease instrument cluster away from instrument panel. Retain the four screws.

11 At each of the positions marked on instrument panel ledge, drill a 7/32" hole. IMPORTANT: Clean off all paint and burrs from metal on both sides of instrument panel around the holes for approx. $\frac{1}{2}$" with emery paper or a sharp edged tool. Lightly smear cleaned surfaces with lanoline.

12 Place receiver assy. so that four holes in receiver cover plate locate under the holes drilled in instrument panel ledge.

13 Insert a $\frac{1}{4}$"x 3/16" Whit. rd. hd. screw through each of the four holes in receiver cover plate and holes in instrument panel ledge. Place a shakeproof washer and a 3/16" Whit. hex. nut on to each of the screws.

14 Align receiver assembly to instrument panel, then securely tighten the four screws.

15 Insert fuse supplied into the moulded fuse holder, connect fuse holder to fuse cover on end lead from receiver; connect free end of lead to battery terminal of ignition switch.

16 Fit fuse clip supplied on to metal ledge situated behind instrument cluster. Insert body of holder into fuse clip.

17 Refit speaker grille and speaker to baffle, and securely tighten fastening hardware.

18 Insert plug on end of speaker lead into receiver socket adjacent to battery lead entry.

19 Reposition speaker baffle assy. against passenger side of steering column, then refit the two $\frac{3}{8}$"x No. 8 bdr. hd. screws through holes in parcel shelf floor into speednuts. Securely tighten the screws.

20 Place a flat washer on to a $\frac{3}{8}$"x No. 8 bdr. hd. screw; insert screw through hole in tongue of baffle into the 9/64" hole in instrument panel lip. Securely tighten screw.

21 Refit instrument cluster panel and securely tighten screw.

22 Insert aerial cable plug into socket on passenger side rear corner of receiver.

23 Attached to bottom of receiver cover plate is an ash tray holding plate. Fit ash tray into holding plate.

INTERFERENCE ELIMINATION No spark plug suppressors are required,

Distributor Suppressor: Insert a screw-in type suppressor Part No. 4021-012-01 in the high tension lead from ignition coil a few inches from where it enters the distributor. Make sure the lead is fitted well into the suppressor, and that good contact is made. Securely bind both ends of the suppressor to the lead with adhesive tape.

NOTE: Contacting surfaces of the nuts and mount positions for the by-pass capacitors must be entirely free of all paint or varnish to ensure a good electrical contact. Lightly smear cleaned surfaces with lanoline.

Generator Capacitor: .5uF Part No. 4009-024-16. (large clip on end of lead.) Loosen off generator swivel mount bolt. Insert capacitor mount foot under bolt, then securely tighten. Remove rubber shroud from generator armature terminal clip. Place clip on end of lead from capacitor on to generator lead, then slide clip over armature terminal clip. Refit shroud.

Ignition Coil Capacitor: .5uF Part No. 4009-024-25 (small clip on end of lead.) Loosen the coil mount bracket screw. Insert capacitor mount foot under screw, then securely tighten screw. Connect clip to battery terminal post of ignition coil.

Reconnect leads to car battery.

AERIAL TRIMMER ADJUSTMENT: Raise aerial to half extended height. NOTE: If a fully retractable aerial is fitted raise the large diameter outer tube until it is against stop in aerial base. Tune receiver to a weak station near 1000 Kc/s (approximately centre of dial) adjust trimmer for maximum volume of signal.

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COMPONENT PARTS LIST

4077-093-68	Aerial Lead-in Cable (1) 60" overall

SPEAKER AND MOUNTING ACCESSORIES

7296-025-02	Speaker Assy. Complete
	includes:-
4056-003-09	Speaker (1)6" dia. permag type 6M36/80/15
7009-036-02	Baffle (1)
7171-015-01	Plug (1) on end of lead
7244-034-01	Terminal (2) on end of lead
7104-008-10	Grille (1)
1026-001-13	Extrusion, P.V.C. - 3" required
1171-023-08	Lead - 18" required
7152-752-01	Speednut (2) No. 6 captive
7196-918-12	Screw (4) $\frac{3}{4}$"x No. 4 BA oval csk.
7261-180-02	Washer (4) flat steel, $\frac{3}{8}$"x 3/16"
7262-510-01	Washer (4) shakeproof, 5/32" ext.
7146-005-04	Nut (4) 4 BA
7265-004-02	Cup Washer (4)
7201-079-08	Screw (3) $\frac{3}{8}$"x No. 8 bdr. hd.
7261-164-02	Washer (3) flat steel, 9/16"x 11/64"

RECEIVER MOUNTING ACCESSORIES

7055-425-02	Spacer Ring (2) control bush lock nut
7116-039-12	Housing Assy. (1)
7084-147-41	Escutcheon Assy. (1)
	includes:-
7081-001-01	"Diamond Dot" emblem
7008-123-05	"ROOTES RADIO" metcal
7261-484-02	Chrome Washers (2)
7150-854-20	Barrel Nut (2)
7261-164-02	Washer (2) flat steel
7201-079-08	Screw (2) $\frac{3}{8}$"x No. 8 bdr. hd.
7198-178-18	Screw (4) $\frac{1}{4}$"x 3/16" Whit.rd.hd.
7262-512-01	Washer (4) shakeproof, 3/16" ext.
7148-304-11	Nut (4) 3/16" Whit.
4071-010-01	Fuse (1) 3 amp.
7113-001-01	Fuse Holder Body (1)
7225-012-02	Spring (1) fuse holder
7086-125-04	Contact (1) fuse holder
1169-051-08	Lead - 24" required
7138-023-01	Terminal (1) on end of lead
7220-002-01	Shroud (1) terminal
7055-364-01	Mount Clip (1) fuse holder
7124-425-01	Knob (2) antiference and tone, rear
7124-424-11	Knob (2) volume and tuning, front

INTERFERENCE ELIMINATION ACCESSORIES

4021-012-01	Resistive Suppressor (1) screw-in type
4007-019-16	.5uF Capacitor (1) generator by-pass
4007-019-25	.5uF Capacitor (1) ignition coil by-pass

COMPONENTS SUPPLIED WITH RECEIVER

7070-115-11	Dial Reading (1)
7119-046-01	Filler Bar (1)
7152-272-01	Speednut (2) filler bar
7065-011-01	Fuse Cover (1)
7086-125-04	Contact (1) fuse cover