

# 'diamond-dot'

CAR RADIO DIVISION, ELECTRONIC INDUSTRIES LTD.

ASTOR HOUSE: 161-173 STURT STREET, SOUTH MELBOURNE Phone: 69 0300

## SERVICE DATA MERCEDES-BENZ

MODELS 250S—SA—SE AND SEA  
300S—SA—SE AND SEA

### INSTALLATION INSTRUCTIONS FOR FITTING ASTOR 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. 7281-114-03

Aerial- 5 section telescopic whip, top mount type Part No. 4074-044-04  
or Aerial- 5 section telescopic whip, lock down type Part No. 4074-052-04

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

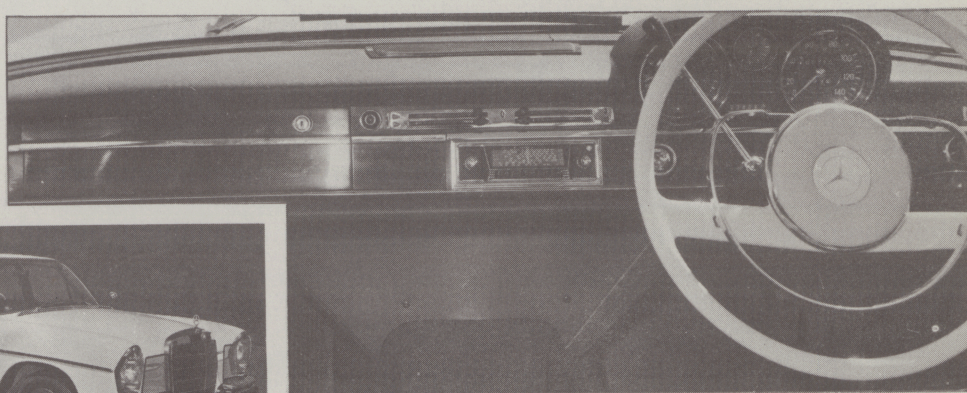
Before commencing installation disconnect leads from car battery. Note polarity of the battery terminal which is connected to vehicle chassis then set the receiver polarity changeover switch to corresponding position. i.e. "+" position, positive to chassis, "-" position, negative to chassis.

**NOTE:** AERIAL TRIMMER located on rear passenger side corner of receiver is to be adjusted at conclusion of installation.

**THE AERIAL** as selected is to be mounted on top of the driving side fender 10½" forward from door-windscreen-fender junction and 2 5/8" outward from cowl bonnet join line.

Remove splash shield from driving side wheel well.

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



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## AERIAL LEAD-IN CABLE

- 1 In driving side wall near junction with firewall there is a blind rubber grommet accessible from wheel well.
- 2 Pierce a hole in rubber grommet, then feed aerial cable through pierced hole into interior.
- 3 Refit splash shield to wheel well and securely tighten bolts.

THE RECEIVER is to be mounted behind the instrument panel at the position occupied by the cover panel. Two pinch brackets locate the front and a single bracket supports the rear.

- 1 Remove the trim covering the underside of instrument panel.
- 2 Remove the "snap in" panel from front of instrument panel also remove the ash tray body.
- 3 File the metal at bottom of oblong opening exposed, level with the wooden trim face of the instrument panel.
- 4 Remove and discard the dust shield from top front of receiver.
- 5 Locate holes in one of the front brackets against the driving side of receiver. Short fold in bracket is to point away outward from receiver side and small tongue of bracket is to be at the bottom. Fasten securely to the thread forms with flat washers and  $\frac{3}{8}$ "x No. 8 bdr. hd. screws.
- 6 Feed receiver fuse lead in through opening in panel. Feed rear of receiver in through opening then manipulate until bracket at front is behind panel.
- 7 Move receiver so that passenger side front corner is protruding out of opening.
- 8 Fit other front bracket to passenger side in similar manner to Para. 5.
- 9 Locate receiver so that both brackets are behind panel and the two tongues protrude out at the corners of the panel opening.
- 10 Fit spacer rings over the control bush lock nuts and fit dial pointer to carriage arm.
- 11 Fit dial reading to escutcheon. MANUAL RECEIVER ONLY: Fit filler bar to push button opening and securely fasten with speednuts.
- 12 Locate cover escutcheon then the dial escutcheon onto the front of receiver. Fasten with chrome washers and barrel nuts.
- 13 Align to panel and securely tighten barrel nuts.
- 14 Fit manual control knobs.
- 15 Two screws fasten a bracket to the heater unit near the rear passenger side corner of receiver. Remove the lower screw.
- 16 Locate slot in angled fold of bracket over the vacated hole. Slot in long arm of bracket is to be against thread form on side of receiver.
- 17 Refit screw to bracket and hole in heater unit then fasten bracket to receiver with a flat washer and a  $\frac{3}{8}$ "x No.8 bdr.hd. screw. Leave top hole in heater unit vacant.
- 18 Securely tighten the screws.
- 19 Insert aerial lead-in cable plug into socket at rear passenger side corner of receiver.
- 20 Remove cover plate and kick pad trim from driving side wall. Remove the trim from underside of instrument panel adjacent to steering column.
- 21 Remove two screws and lower fuse block from wall.
- 22 Connect lug on battery lead to terminal No.1 on fuse block. Feed free end of lead under panel, over and to the passenger side of steering column.

23 Refit fuse block, kick pad trim and cover to side wall and refit cover to underside of instrument panel adjacent to steering column.

24 Insert fuse into holder then connect holder to fuse cover on lead from receiver.

THE SPEAKER 8"x4" permag. is to be mounted on top of instrument panel beneath the grille provided.

1 Remove the two screws and remove grille from top of panel.

2 Remove and discard rubber fastenings and cover from exposed opening in panel.

3 Place the magnet of the speaker on a flat surface. The side of speaker frame on which there is attached a strip of rubber is to be away from operator.

4 Place the strip bracket on top against gasket side of speaker frame nearest to operator.

5 Fasten bracket to frame with  $\frac{3}{8}$ "x5/32" Whit. rd. hd. screws, shakeproof washers and nuts.

6 Feed speaker lead down through panel opening then place the speaker into the opening. Strip of rubber is to be nearest windscreen and holes in mount strip are to locate over grille screw holes.

7 Place a spacer on top of each hole in mount strip then refit grille to panel.

8 Fasten grille to panel by inserting screws through holes in grille spacers and strip bracket into panel fastenings. Securely tighten screws.

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

INTERFERENCE ELIMINATION: No spark plug suppressors are required.

DISTRIBUTOR: Insert a screw-in type suppressor, Part No. 4021-012-01, into the high Tension lead a few inches from where it enters the distributor. Check that the lead is screwed well into both ends of suppressor and that good contact is made. Bind the lead to suppressor with adhesive tape.

NOTE: The contacting surfaces of the mount positions for the by-pass capacitors must be entirely free of paint and grease to ensure a good electrical contact.

ALTERNATOR .5uF capacitor, Part No. 4009-024-27 (hole in mount foot.) Connect lug on end of lead to alternator output terminal. Fasten mount foot to alternator with a 3/16" shakeproof washer and a 5/16"x No.10 UNF. cheese hd. screw. Securely tighten screw into tapped hole in alternator frame.

IGNITION COIL .5uF capacitor, Part No. 4009-024-02 (small hole in lead lug.) Connect lug on end of lead to the battery side terminal of coil. Loosen one of the mount screws of the coil; slide mount foot of capacitor under head of bolt and securely tighten,

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.

# MERCEDES-BENZ MODELS 250S—SA—SE AND SEA 300S—SA—SE AND SEA

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

### COMPONENT PARTS LIST

4077-093-74 Aerial Lead-in Cable (1) 54"

### SPEAKER AND MOUNTING ACCESSORIES

4056-015-04 Speaker (1) 8"x 4" permag. type C84L36/127/15  
7229-039-02 Strip Bracket (1)  
7198-577-11 Screw (2)  $\frac{3}{8}$ "x 5/32" Whit. rd. hd.  
7262-510-01 Washer (2) shakeproof, 5/32" ext.  
7148-303-11 Nut (2) 5/32" Whit.  
7166-009-03 Spacer (2)  
7171-015-01 Plug (1) on end of lead  
7244-034-01 Terminal (2) on end of lead  
1171-023-08 Lead - 18" required

### RECEIVER MOUNTING ACCESSORIES.

7152-752-01 Speednut (5) No.6 captive  
7027-600-53 Bracket (1) front, passenger side  
7027-600-03 Bracket (1) front, driving side  
7028-637-03 Bracket (1) rear  
7201-079-08 Screw (5)  $\frac{3}{8}$ "x No.8 bdr. hd.  
7261-164-02 Washer (5) flat steel, 9/16" x 11/64"  
7055-425-02 Spacer Ring (2)  
7173-042-04 Dial Pointer (1)  
7084-253-02 Cover Escutcheon (1)  
7084-147-03 Dial Escutcheon Assy. (1)  
includes:-  
"Diamond Dot" emblem  
"ASTOR" metal  
Chrome washer (2)  
Barrel Nut (2)  
Knob (2) antiference and tone, rear  
Knob (2) tuning and volume, front  
Fuse (1) 3 Amp.  
Fuse Holder Body (1)  
Spring (1) fuse holder  
Contact (1) fuse holder  
Lead - 30" required  
Terminal (1) on end of lead

### INTERFERENCE ELIMINATION ACCESSORIES

4021-012-01 Resistive Suppressor (1) screw-in type  
4009-024-27 .5uF Capacitor (1) alternator, by-pass  
4009-024-02 .5uF Capacitor (1) ignition coil, by-pass  
7262-512-02 Washer (1) shakeproof, 3/16" ext.  
7200-078-11 Screw (1) 5/16" x NO.10 U.N.F.

### 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