

# 'diamond-dot'

CAR RADIO DIVISION, ELECTRONIC INDUSTRIES LTD.

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

## SERVICE DATA

### AUSTIN "FREEWAY"

#### INSTALLATION INSTRUCTIONS FOR FITTING

#### B.M.C 12 VOLT CAR RADIO

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

#### Complete Installation requires

In addition to the selected receiver the installation requires:-

Installation Accessory Package - P/No. 7281-603-01 (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

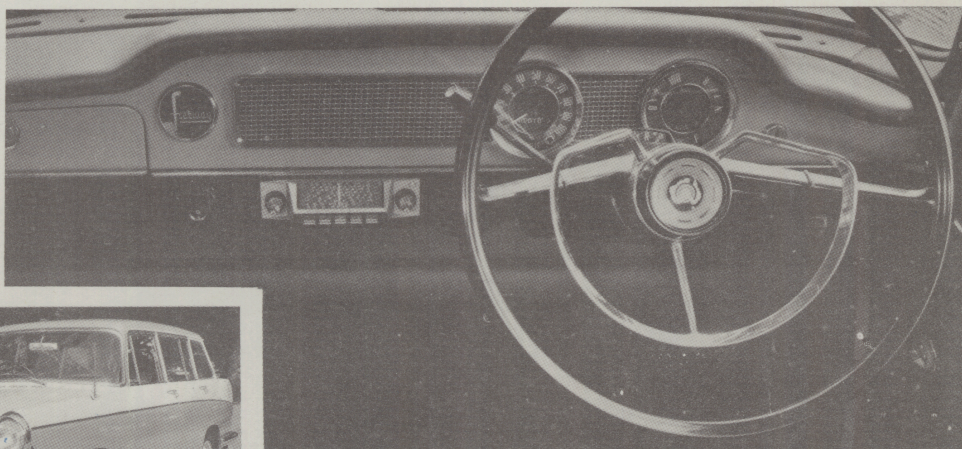
**WARNING :** BATTERY CONNECTION OF INCORRECT POLARITY WILL DAMAGE THE RECEIVER.

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, 1½" out from crest of the fender and 15" forward from the junction of the cowl, fender and front edge of passenger side door.

Install selected aerial as detailed on the instructions supplied with aerial. Discard the flat rubber packing washer fitted to aerial and fit the curved washer supplied in aerial carton.





1     AERIAL LEAD-IN CABLE:

Drill a  $\frac{1}{2}$ " hole in vertical section of engine well passenger side wall directly below bonnet guttering and  $13\frac{1}{2}$ " toward front of car from vertical section of firewall.

2     Feed cable through a  $\frac{1}{2}$ " hole into well.

3     Insert body of shroud grommet into hole, pull through with a wriggling motion until head of grommet locates in and seals  $\frac{1}{2}$ " hole.

4     Pierce blind grommet adjacent to windscreen wiper, cable grommet in firewall then feed cable through pierced hole in grommet into interior of car.

THE SPEAKER (7"x5") assembled to a baffle is to be mounted behind the grille provided on centre of instrument panel.

1     Remove and discard oblong cover plate from instrument panel, directly above formed panel.

2     Place speaker assembly up behind instrument panel, so that the four slots in speaker baffle locate over the protruding screw situated around speaker opening. Speaker assembly is to be flat against instrument panel.

3     Fasten securely with four flat washers, shakeproof and No. 10 NF nuts,

THE RECEIVER: is to be mounted behind instrument panel at the positions occupied by the oblong cover plate. NOTE: This cover plate is removed at the beginning of the speaker installation. Two brackets are supplied to support receiver to the side brace arms.

1     Place a mount bracket on to each side of receiver so that the arm of each bracket that has a speednut attached is toward the rear and above receiver. NOTE: The formed face of speednuts are to be over the receiver. The small slot in other end of bracket is to locate over the rear thread form in sides of receiver.

2     Securely fasten with two flat washers and  $\frac{3}{8}$ "x No. 8 bdr. hd. screws.

3     Attached to car behind exposed opening in instrument panel are two brackets each containing a slotted hole. IMPORTANT: Clean off paint and burrs from metal round holes for approximately  $\frac{1}{2}$ ". Lightly smear cleaned surface with lanoline.

4     Remove and discard the dust shield fitted on top of receiver.

5     Press the spacer rings supplied over the control bush lock nuts then fit dial pointer to carriage arm.

6     Fit dial reading to chrome escutcheon. MANUAL RECEIVER ONLY. To the push button opening fit filler bar then securely fasten with speednuts.

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

8     Place the cover escutcheon onto the front of receiver then place receiver behind instrument panel so that control spindles protrude through opening in instrument panel.

9     Locate the speednuts attached to side mount brackets between slotted holes in brackets attached to car.

10    Place a flat washer on to each of two  $\frac{5}{8}$ "x No. 8 hex. hd. screws; insert screws through slots in brackets into speednuts attached to mount brackets. Leave screws fingertight.

11    Fit escutcheon, chrome washers and barrel nuts to receiver. Leave barrel nuts fingertight.

12    Align escutcheon to instrument panel, then securely tighten nuts. Fit control knobs.

13    Securely tighten the two screws fastening side mount brackets to car brackets.

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

15    Insert fuse supplied into the mounded fuse holder, connect fuse holder to fuse cover on end of lead from receiver; feed receiver battery lead through main harness loom grommet into engine well, then connect lead to terminal marked 'A1' on fuse block. Using the clip supplied, fasten fuse holder to lip of instrument panel.

INTERFERENCE ELIMINATION: No spark plug suppressors are required.

DISTRIBUTOR SUPPRESSOR: Insert a screw-in type suppressor P/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 well fitted into the suppressor, and that good contact is made. Securely bind both ends of suppressor to the lead with adhesive tape.

NOTE: The contacting surfaces of mount position for by-pass capacitors must be free of paint and grease. Lightly smear cleaned surfaces with lanoline.

GENERATOR CAPACITOR: .5uF P/No. 4009-024-16 (large slide type lug on end of lead.) Loosen bolt fastening generator swivel bracket, slide mount foot under head of bolt then securely tighten. Slide shroud off connector attached to armature post of generator. Slide the lug on the end of lead from capacitor on to armature connector. Refit shroud.

IGNITION COIL CAPACITOR: .5uF P/No. 4009-024-25 (small lug.) Loosen one of the coil mount bracket screws, then slide mount foot under screw head. Securely tighten screw and connect lug on lead to coil battery terminal.

FRONT WHEEL STATIC SUPPRESSION: Two static collectors, P/No. 7225-080-01 are supplied, and are to be fitted to the front wheels of the car.

Remove the decorative hub cap from each front wheel, then remove the small dust caps that cover ends of front axles.

IMPORTANT: Make sure each dust cap is free from grease or dirt, then insert a static collector into each cap. The contact point of collector is to be outer-most so that it will make contact when fitted.

Locking the castle nut to axle is a split pin, If leg of split pin is across centre of axle, move leg so that it follows circumference of axle.

Refit dust caps so that contact point of each static collector makes contact with centre of each axle then refit the large decorative hub caps.

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 1000Kc/s (approximately centre of dial) adjust trimmer for maximum volume of signal.

# AUSTIN "FREEWAY"

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

### COMPONENT PARTS LIST

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

### SPEAKER AND MOUNTING ACCESSORIES.

7296-010-02 Speaker and Baffle Assy. (1)  
includes:-  
4056-012-11 Speaker (1) 7"x 5" permag type C75L36/46/15  
7009-018-03 Baffle Assy. (1)  
7102-030-01 Gasket (2) rubber, long  
7102-031-01 Gasket (2) rubber, short  
7261-180-02 Washer (4) flat steel,  $\frac{3}{8}$ "x 3/16"  
7262-510-01 Washer (4) shakeproof, 5/32" ext.  
7148-303-11 Nut (4) 5/32" Whit.  
4077-174-01 Lead and Plug Assy. (1)  
includes:-  
1171-023-08 Lead - 18" required  
7171-015-02 Plug (1)  
7244-034-01 Terminal (2)  
7261-218-04 Washer (4) flat steel, 9/16"x 7/32"  
7262-512-01 Washer (4) shakeproof, 3/16" ext.  
7150-004-01 Nut (4) No. 10 NF

### RECEIVER MOUNTING ACCESSORIES.

7152-752-01 Speednut (2) No. 6 captive  
7027-626-02 Bracket (2)  
7261-164-02 Washer (4) flat steel, 9/16"x 11/64"  
7201-079-08 Screw (2)  $\frac{3}{8}$ "x No. 8 bdr. hd.  
7055-425-02 Spacer Ring (2) control bush lock nuts  
7173-042-04 Dial Pointer (1)  
7204-029-06 Screw (2) 5/8"x No. 8 hex. hd.  
7084-088-02 Cover Escutcheon (1)  
7084-147-31 Dial Escutcheon Assy. (1)  
includes:-  
7081-001-01 "Diamond Dot" emblem  
7008-123-04 B.M.C. ALL TRANSISTOR metcal  
7261-484-02 Chrome Washers (2)  
7150-854-20 Barrel Nut (2)  
7124-425-01 Knob (2) antiference and tone  
7124-424-11 Knob (2) tuning and volume  
4077-175-25 Battery Lead Assy. (1)  
includes:-  
1169-051-08 Lead - 42" required  
7059-001-01 Terminal (1)  
7220-002-01 Shroud (1)  
7113-001-01 Fuse Holder Body (1)  
4071-010-01 Fuse (1) 3 Amp.  
7225-012-02 Spring (1)  
7086-125-04 Contact (1)

### INTERFERENCE ELIMINATION ACCESSORIES

4021-012-01 Resistive Suppressor (1)  
4009-024-16 .5uF Capacitor (1) generator by-pass  
4009-024-25 .5uF Capacitor (1) ignition coil by-pass  
7225-080-01 Front Wheel Static Collector (2)

### COMPONENTS SUPPLIED WITH RECEIVER

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