

'diamond-dot'

CAR RADIO DIVISION, ELECTRONIC INDUSTRIES LTD.

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

SERVICE DATA

1966 FIAT "2300"

INSTALLATION INSTRUCTIONS FOR FITTING

ASTOR 12 VOLT CAR RADIO

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

In addition to the selected receiver the installation requires:-

Installation Accessory Package P/No. 7281-113-07

Aerial - 5 section telescopic whip, top mount
type P/No. 4074-044-04

or Aerial - 5 section telescopic whip, fully retractable
type P/No. 4074-052-04

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

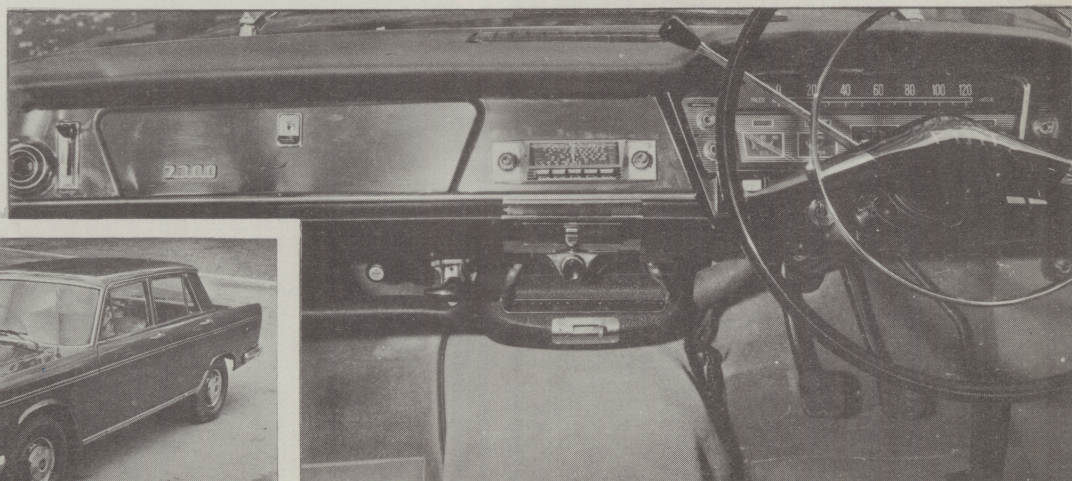
Before commencing installation disconnect leads from car battery. Note the polarity of the battery terminal which is connected to vehicle chassis then set the receiver polarity changeover switch to corresponding position. i.e. "+" position, positive to chassis, "-" position, negative to chassis.

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

THE AERIAL: Instructions for fitting selected aerial are included in aerial carton.

MOUNTING POSITION:

- 1 On top of passenger side fender, 15" forward from junction of fender, cowl and door, and $1\frac{1}{4}$ " inward from the formed rib on top of fender.
- 2 Continue installation of aerial as detailed on instructions supplied with aerial.



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AERIAL LEAD-IN CABLE: Drill a $\frac{1}{2}$ " hole in engine well wall, 1" forward from loom clip situated nearest to firewall on passenger side wall.

Feed lead-in cable through $\frac{1}{2}$ " hole then fit grommet on cable into hole. With excess cable inside engine well, push ferrule on cable into grommet.

Feed cable into interior of car through the grommet housing the bonnet lock mechanism pull rod.

THE SPEAKER: 7"x5" is to be mounted on to the four studs beneath the grille located on top of instrument panel.

- 1 Remove the metal plate from beneath glove box. Two screws to firewall and two screws to lip of panel fasten plate in position.
- 2 From inside glove box remove the screws fastening glove box to panel and the two screws fastening bonnet-lock pull-knob bracket in position.
- 3 From beneath bonnet remove the split pin fastening bonnet-lock intermediate operating lever bracket in position. Remove pivot pin, washer and spring from firewall bracket then disconnect knob rod from lever.
- 4 From inside glove box remove knob and lever then lower the glove box toward firewall.
- 5 Remove cover panel from centre front of instrument panel.
- 6 Place the speaker on to the studs beneath grille.
- 7 Fasten securely with four wing nuts.

THE RECEIVER: is to be mounted behind the instrument panel at the position occupied by a cover panel. A bracket supports the rear to an existing bracket behind panel.

- 1 Place receiver escutcheon centrally over the exposed oblong opening in panel. Scribe outline of spindle holes onto instrument panel.
- 2 Remove escutcheon and cut out metal of panel to the scribed lines.
- 3 Prepare and place template supplied, on to the panel. Align spindle holes then mark and cut out panel as detailed on template
- 4 Press spacer rings on to control bush lock nuts then fit dial pointer to carriage arm.
- 5 Fit dial reading into receiver escutcheon. **MANUAL RECEIVER ONLY**: Fit filler bar to push button opening. Fasten securely with speednuts.

- 6 Place receiver behind instrument panel so that spindles protrude out through panel.
- 7 Place escutcheon on to front of panel; fasten with chrome washers and barrel nuts. Align escutcheon then securely tighten nuts. Fit manual control knobs.
- 3 Locate one of the slots in rear mount bracket over the thread form in rear of receiver. Other slot in bracket is to locate over the hole in the bracket attached to car.
- 9 Fasten to receiver with a flat washer and a $\frac{1}{2}$ "xNo.6 hex. hd. screw. Fasten to vehicle bracket with a flat washer, a shakeproof washer, a $\frac{3}{8}$ "x $\frac{3}{16}$ " Whit.hex.hd.screw and nut. Securely tighten both screws.
- 10 Insert aerial lead-in plug into receiver socket.
- 11 Insert plug on end of speaker lead into receiver socket adjacent to battery lead entry.
- 12 Insert fuse into fuse holder then connect fuse holder to fuse cap on lead from receiver. Route lead to the vehicle fuse block on firewall and connect to the 2nd terminal from right, at the top.

INTERFERENCE ELIMINATION: No spark plug suppressors are required.

Distributor Suppressor: P/No. 4021-012-01. Insert screw-in type suppressor in the high tension lead a few inches from where it enters the distributor. Securely bind both ends of suppressor with adhesive tape.

Bonding Braid: P/No. 7029-001-01. Remove the nut and washer from ignition coil mount bracket stud nearest the firewall. Place one end of braid on to stud then refit washer and nut. Do not tighten. Securely connect other end of braid to one of the nuts fastening carburettor flange.

Ignition Coil: .5uF Capacitor. P/No. 4009-024-02 (slotted mount foot.) Slide mount foot of capacitor under coil mount bracket. Securely tighten nut then connect lug to battery terminal of coil.

Alternator: .5uF Capacitor P/No. 4009-024-27 (hole in mount foot.) Enlarge hole in mount foot to $\frac{1}{4}$ ". Connect lug on end of lead to the alternator output terminal. Fasten capacitor mount foot to belt tensioning bracket with flat washers, a shakeproof washer, a $\frac{3}{4}$ "x $\frac{1}{4}$ " Whit. screw and nut. Securely tighten the nuts.

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.

Refit glove box, metal plate and bonnet release operating mechanism to vehicle.

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COMPONENT PARTS LIST

4077-225-53 Aerial Lead-in Cable (1) 60" overall

SPEAKER AND MOUNTING ACCESSORIES

4056-012-11 Speaker (1) 7"x5" permag type C75L36/46/15
7149-653-11 Wing Nut (4) No. 8 UNC
1171-023-08 Lead - 12" required
7171-015-01 Plug (1) on end of lead
7244-034-01 Terminal (2) on end of lead

RECEIVER MOUNTING ACCESSORIES

7055-425-02 Spacer Ring (2) control bush lock nuts
7173-042-03 Dial Pointer (1)
7084-147-01 Escutcheon Assy. (1)
includes:-
7081-001-01 "diamond dot" emblem
7008-123-01 "ASTOR" metcal
7261-484-02 Chrome Washer (2)
7150-854-20 Barrel Nut (2)
7124-425-01 Knob (2) antiference and tone, rear
7124-424-11 Knob (2) tuning and volume, front
7027-633-03 Bracket (1) rear
7198-028-02 Screw (1) $\frac{3}{8}$ "x 3/16" Whit. hex. hd.
7262-512-01 Washer (1) shakeproof, 3/16" ext.
7261-218-09 Washer (1) flat steel, 9/16"x 7/32"
7148-304-11 Nut (1) 3/16" Whit.
4071-010-01 Fuse (1) 3 Amp.
7113-001-01 Fuse Holder Body (1)
7225-012-01 Spring (1) fuse holder
7086-125-04 Contact (1) fuse holder
1169-051-08 Lead - 30" required
7059-001-01 Terminal (1) on end of lead
7220-002-01 Shroud (1) terminal
7138-030-01 Double Adaptor (1)

INTERFERENCE ELIMINATION ACCESSORIES

4021-012-01 Resistive Suppressor (1) screw-in type
4009-024-02 .5uF Capacitor (1) ignition coil by-pass
4009-024-27 .5uF Capacitor (1) generator by-pass
7029-001-01 Bonding Braid (1)
7198-029-13 Screw (1) $\frac{3}{4}$ "x $\frac{1}{4}$ " Whit. hex. hd.
7261-026-03 Washer (2) flat steel, $\frac{3}{4}$ "x 17/64"
7262-516-02 Washer (1) shakeproof, $\frac{1}{4}$ " ext.
7148-305-11 Nut (1) $\frac{1}{4}$ " Whit.

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