

# 'diamond-dot'

CAR RADIO DIVISION, ELECTRONIC INDUSTRIES LTD.

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FIAT - 5

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## SERVICE DATA

### FIAT "1500" MK. III

#### 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. 7281-113-05

Aerial - 5 section, telescopic whip, top mount style, Part No. 4074-044-04

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

Before commencing installation disconnect leads from car battery. Note polarity of battery terminal which is connected to vehicle chassis then set 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 the conclusion of the installation.

**THE AERIAL** required is a five section, telescopic whip, top mount type and is to be mounted on the passenger side fender 6" from cowl fender join line and 6½" forward from bonnet cowl join line.

Install aerial as detailed in instructions supplied with aerial.

**AERIAL LEAD-IN CABLE:** Above the passenger side kick pad drill a ½" dia. hole through wall to underside of fender.

Feed lead-in cable through hole in to interior.

Insert body shroud grommet into hole, pull through hole with a wriggling motion until head of grommet locates in, and seals ½" hole.





THE SPEAKER A metal baffle is to be mounted beneath the grille located on top of instrument panel. The 8"x4" speaker is then attached to the baffle plate.

- 1 Remove the cover panel from centre of instrument panel. Straighten the flattened lugs at the rear of panel then lift outward.
- 2 Place the baffle plate on to the studs beneath the grille. Fasten securely with flat washers, shakeproof washers and 4mm. nuts.
- 3 Place speaker on to the baffle studs then fasten securely with four flat washers, shakeproof washers and 5/32" Whit. wing nuts.

THE RECEIVER is to be mounted into the cavity exposed when the cover panel was removed from the instrument panel. Two 'pinch' brackets support the front to the panel and a bracket supports the rear to the firewall.

- 1 Mark the blanket type insulation on the firewall corresponding to the oblong opening in the panel.
- 2 Remove the insulation and cut out the material inside the marked outline then refit blanket to firewall.
- 3 With the long tapered section pointing downward and toward front, locate the slot in the pinch brackets over the front thread forms on each side of receiver. Fasten with flat washers and  $\frac{3}{8}$ "x No.8bdr.hd. screws. Securely tighten the four screws.
- 4 Fit  $\frac{1}{4}$ " spacer rings over the control bush lock nuts and fit the dial pointer to carriage arm.
- 5 Fit dial reading to escutcheon. MANUAL RECEIVER ONLY:To esc.opening fit filler bar and securely fasten with speednuts.
- 6 Carefully insert receiver through the opening in panel then manipulate assembly so that the pinch brackets bridge the panel opening.
- 7 Place the cover escutcheon and dial escutcheon on to front of panel then fasten securely with chrome washers and barrel nuts.
- 8 Fit manual control knobs.
- 9 Locate slot in rear mount bracket over the rear driving side thread form and locate the hole in opposite end of bracket over the stud protruding from firewall.
- 10 Fasten to receiver with a flat washer and a  $\frac{3}{8}$ "x No.8 brd.hd. screw.
- 11 Fasten to firewall with a shakeproof washer and an OBA. nut. Securely tighten the screw and nut.
- 12 Insert 3 amp. fuse into fuse holder then connect receiver battery lead to fuse holder.
- 13 Connect receiver battery lead to one of the vacant terminals, top right hand corner of the fuse block located above and on the driving side of steering column.

INTERFERENCE ELIMINATION: No spark plug suppressors are required.

GENERATOR : .5uF Part No. 4009-024-09 (open end lug on flexible lead.)  
Loosen generator frame nut nearest armature terminal. Slide mount foot of capacitor under washer then securely tighten nut. Loosen armature terminal nut. NOT THE FIELD TERMINAL. Slide lug under nut and securely tighten.

DISTRIBUTOR SUPPRESSOR: Part No. 4021-012-01. Insert screw in type suppressor in the high tension lead a few inches from where it enters the distributor. Make sure lead is fitted securely into suppressor. Securely bind both ends of suppressor with adhesive tape.

BONDING: Braid Part No. 7029-001-01. Remove the nut and washer from the ignition coil mount bracket stud nearest firewall. Place one end of bonding 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 CAPACITOR: .5uF Part No. 4009-024-02 (small hole in lug on flexible lead.) Slide mount foot of capacitor under coil mount bracket. Securely tighten nut. Connect lug to battery lead of coil.

Reconnect leads to 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.

# FIAT "1500" MK. III

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

### COMPONENT PARTS LIST

4077-225-05      Aerial Lead-in cable (1) 42" overall length

### SPEAKER AND MOUNTING ACCESSORIES

4056-015-04      Speaker (1) 8"x 4" permag type C84L36/127/15  
7009-112-02      Baffle (1)  
7261-163-04      Washer (8) flat steel, 3/8"x1/64"  
7262-510-01      Washer (8) shakeproof, 5/32" ext.  
7310-023-11      Nut (4) 4mm.  
7148-653-01      Wing nut (4) 5/32" Whit.  
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

7054-104-02      Pinch bracket (2)  
7201-079-08      Screw (5) 3/8"x No. 8 bdr. hd.  
7261-164-02      Washer (5) flat steel, 9/16"x 11/64"  
7027-505-03      Bracket (1) rear  
7362-516-01      Washer (1) shakeproof, 1/4", control bush lock nuts  
7146-101-11      Nut (1) 0 BA.  
7055-425-11      Spacer Ring (2) 1/4" ext.  
7173-042-04      Dial Pointer (1)  
7084-147-01      Escutcheon (1) dial surround  
                 includes:  
                 "diamond dot" emblem  
                 "ASTOR" metcal  
7081-001-01      Escutcheon (1) cover, plastic  
7008-123-01      Barrel Nut (2)  
7084-257-01      Chrome Washer (2)  
7150-854-20      Knob (2) antiference and tone, rear  
7261-484-02      Knob (2) tuning and volume, front  
7124-425-01      Fuse (1) 3 Amp.  
7124-424-11      Fuse Holder Body (1)  
4071-010-01      Spring (1) fuse holder  
7113-001-01      Contact (1) fuse holder  
7225-012-02      Battery Lead - 24" required  
7086-125-04      Terminal (1) on end of lead  
1169-051-08      Shroud (1) Terminal  
7059-009-01  
7220-002-01

### INTERFERENCE ELIMINATION ACCESSORIES.

4009-024-09      Capacitor (1) .5uF, generator by-pass  
4009-024-02      Capacitor (1) .5uF, ignition coil by-pass  
4021-012-01      Suppressor (1) screw in type, distributor  
7029-001-01      Bonding Braid (1)

### COMPONENTS SUPPLIED WITH RECEIVER

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