

# 'diamond-dot'

CAR RADIO DIVISION, ELECTRONIC INDUSTRIES LTD.

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

FORD - 9  
File : FORD  
Date : 16.8.66  
Page : 1

## SERVICE DATA

### "FORD CORTINA" 220/240/440/GT

#### 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. 7281-119-02

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

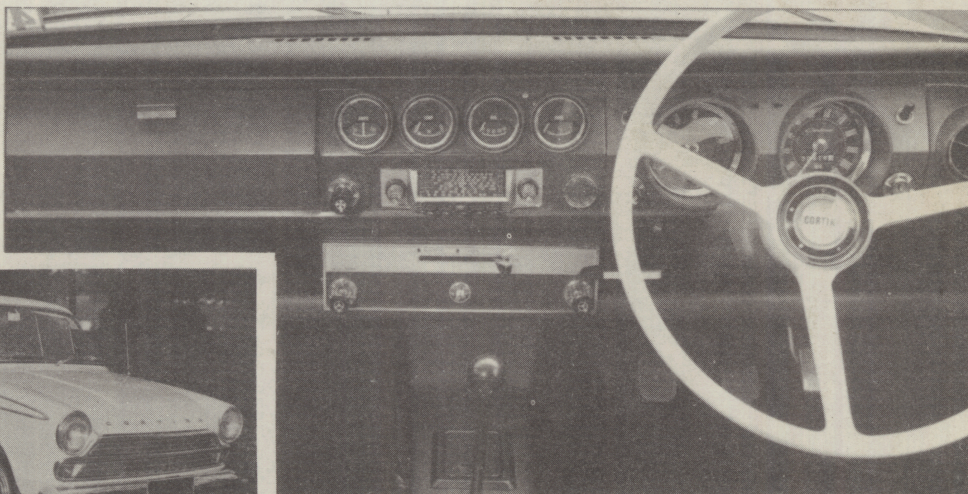
**WARNING:** BATTERY CONNECTION OF INCORRECT POLARITY WILL DAMAGE THE RECEIVER

Before commencing installation disconnect leads from car battery. Note polarity of 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 as selected is to be mounted on top of passenger side fender as detailed.

- 1 MOUNTING POSITION: both top mount and lock down type. Mark passenger side fender 8" forward from the pointed junction of fender and door, and 3¼" outward from bonnet fender junction.
- 2 Install selected aerial as detailed in instructions supplied with aerial.





#### AERIAL LEAD IN CABLE ROUTING:

Drill a  $\frac{1}{2}$ " hole in engine well wall beneath fender bonnet guttering adjacent to aerial.

Feed cable through hole into engine well. Insert body of shroud grommet into hole then with a wriggling motion pull until head of grommet locates in and seals hole.

Drill a  $\frac{1}{2}$ " dia. hole in the formed circular pad located at the junction of the firewall and passenger side fender brace member.

Feed cable through hole then fit grommet on to cable and into hole.

THE RECEIVER is to be mounted behind the instrument panel at the position occupied by the centre cover panel. Two brackets support the rear.

- 1 Remove speednuts from rear of panel then remove and discard nuts and trim panel.
- 2 Connect terminal lug on end of receiver battery fuse lead to the vacant terminal No.4 on ignition switch.  
NOTE: Dress nut on switch is removable
- 3 Behind the instrument panel, located centrally about the exposed opening will be seen two "U" shaped brackets in which there are two square holes. Clean off all paint and burrs from the metal around the square holes.
- 4 With nut sections uppermost, press captive nuts into square holes.
- 5 Place slots in mount brackets against thread forms near rear on each side of receiver. Short leg of brackets are to be above, pointing outward and offset toward rear of receiver.
- 6 Fasten brackets loosely to receiver with flat washers and  $\frac{3}{8}$ "x No.8 bdr. hd. screws.
- 7 Remove and discard dust shield from top of receiver can. Fit spacer rings over control bush lock nuts, also fit dial pointer to carriage arm.
- 8 Place receiver behind panel opening so that spindles protrude through slots in panel.
- 9 Raise brackets and fasten securely to prepared positions with flat washers, shakeproof washers and  $\frac{5}{8}$ "x $\frac{3}{16}$ " Whit. rd. hd. screws.
- 10 Fit dial reading to radio escutcheon. MANUAL RECEIVERS ONLY: To push button opening fit filler bar then securely fasten with speednuts.
- 11 Place radio escutcheon, chrome washers and barrel nuts on to front of instrument panel. Align and securely tighten barrel nuts.
- 12 Fit manual control knobs.
- 13 Securely tighten screws fastening rear mount brackets to receiver.
- 14 Insert lead-in cable plug into receiver socket.
- 15 Insert 3 Amp. fuse into fuse holder then connect fuse holder to fuse cap on end of lead from receiver.

THE SPEAKER 7"x5" permag. attached to a baffle plate is to be fastened on top of parcel shelf at the driving side end. A side trim panel closes the passenger side of assembly.

- 1 Place speaker and baffle assy. on parcel shelf so that speed nut on protruding lug of baffle is at top and inside top rail of panel.
- 2 Press baffle against driving side wall then mark positions of speednuts on to parcel shelf and top speednut on rail.
- 3 Withdraw assy. and drill 7/32" dia. holes at the three positions.
- 4 Reposition assy. and fasten with flat washers and  $\frac{1}{2}$ "x No.8 Phillips hd. screws.
- 5 With speaker lead at top place side trim panel against assy. so that the speed-nuts on panel locate behind holes in assy.
- 6 Fasten securely with cup washers and  $\frac{1}{2}$ "x No. 8 Phillips csk.hd. nickel finished screws.
- 7 Drill a 7/32" hole in parcel shelf corresponding to speednut on base of trim panel.
- 8 Fasten securely with a flat washer and a  $\frac{1}{2}$ "x No.8 Phillips hd. screw.
- 9 Insert plug on end of speaker lead into receiver socket adjacent to battery lead entry.

INTERFERENCE ELIMINATION No spark plug or distributor suppressors are required.

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

GENERATOR: .5uF capacitor, Part No. 4009-024-19 (large terminal Clip.) Remove shroud from armature terminal. Slide terminal clip over connector on armature terminal then refit shroud. Fasten capacitor mount foot to the slotted bracket which provides belt tension adjustment. Fasten securely with two flat washers a shakeproof washer, a  $\frac{3}{4}$ "x $\frac{1}{4}$ " Whit. screw and nut.

IGNITION COIL: .5uF capacitor, Part No. 4009-024-28 (hole in mount foot.) Connect lug on end of lead to coil battery terminal. Drill a 7/64" dia. hole in the coil bracket support strip of battery carrier. Fasten capacitor mount foot to strip with a flat washer and a  $\frac{3}{8}$ "x No.8 bdr. hd. screw.

Refit battery and connect leads.

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.

# "FORD CORTINA" 220/240/440/GT

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

### COMPONENT PARTS LIST

4077-093-67 Aerial Lead-in cable (1) 48" overall  
7106-033-01 Grommet (1) lead-in cable

### SPEAKER AND MOUNTING ACCESSORIES

7296-056-01 Speaker and Baffle Assy. (1)  
includes;  
4056-012-11 Speaker (1) 7"x 5" type C75L36/46/15  
7009-061-02 Baffle (1)  
7104-030-01 Grille (1)  
7152-752-01 Speednut (3) no.6 captive  
1171-023-08 Lead -30" required  
7171-015-02 Plug (1) one end of lead  
7244-034-01 Terminal (2) on end of lead  
7201-579-08 Screw (4)  $\frac{1}{2}$ "x No.8 Phillips bdr. hd.  
7201-529-03 Screw (2)  $\frac{1}{2}$ "x No.8 Phillips csk. hd., nickel  
7261-164-02 Washer (4) flat steel, 9/16"x 11/64"  
7265-003-02 Washer (2) cup type  
7219-007-01 Trim Panel (1) side of baffle  
7152-752-01 Speednut (3) trim panel

### RECEIVER MOUNTING ACCESSORIES

7152-275-01 Speednut (1) trim panel fastening  
7152-363-01 Square captive Nut (2)  
7027-266-03 Bracket (1) passenger side  
7027-266-52 Bracket (1) driving side  
7201-079-08 Screw (2) 3/8"x No.8 bdr. hd.  
7261-164-02 Washer (2) flat steel, 9/16"x 11/64"  
7055-425-02 Spacer Ring (2) 5/16", over lock nuts  
7173-042-04 Dial Pointer (1)  
7198-178-22 Screw (2) 5/8"x3/16" Whit. rd. hd.  
7262-012-01 Washer (2) shakeproof, 3/16" int.  
7261-202-02 Washer (2) flat steel, 7/16"x13/64"  
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  
4071-010-01 Fuse (1) 3 Amp.  
7113-001-01 Fuse Holder Body  
7086-125-04 Contact (2) fuse holder  
7225-012-02 Spring (1) fuse holder  
1169-051-08 Lead- 24" required  
7138-023-01 Terminal (1) battery lead  
7220-002-01 Shroud (1) terminal

### SUPPRESSION MOUNTING ACCESSORIES

4009-024-19 Capacitor (1) .5uF generator by-pass  
4009-024-28 Capacitor (1) .5uF ignition coil by-pass  
7198-029-13 Screw (1)  $\frac{3}{4}$ "x $\frac{1}{4}$ " Whit. hex. hd.  
7261-026-03 Washer (2) flat steel, 5/8"x 17/64"  
7262-516-01 Washer (1) shakeproof,  $\frac{1}{4}$ " ext.  
7148-305-11 Nut (1)  $\frac{1}{4}$ " Whit. hex.  
7201-079-08 Screw (1)  $\frac{3}{8}$ "x No. 8 bdr. hd.

### COMPONENTS SUPPLIED WITH RECEIVER

7065-011-01 Fuse Holder Cap (1)  
7070-115-11 Dial Reading (1)  
7119-046-01 Filler Bar (1) push button opening in escutcheon  
7152-272-01 Speednut (2) filler bar fastening