

# 'diamond-dot'

CAR RADIO DIVISION, ELECTRONIC INDUSTRIES LTD.

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

## SERVICE DATA

### TRIUMPH "HERALD" and "1250"

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. 7281-103-03

Aerial - 5 Section, telescopic whip, top mount type - Part No. 4074-044-02

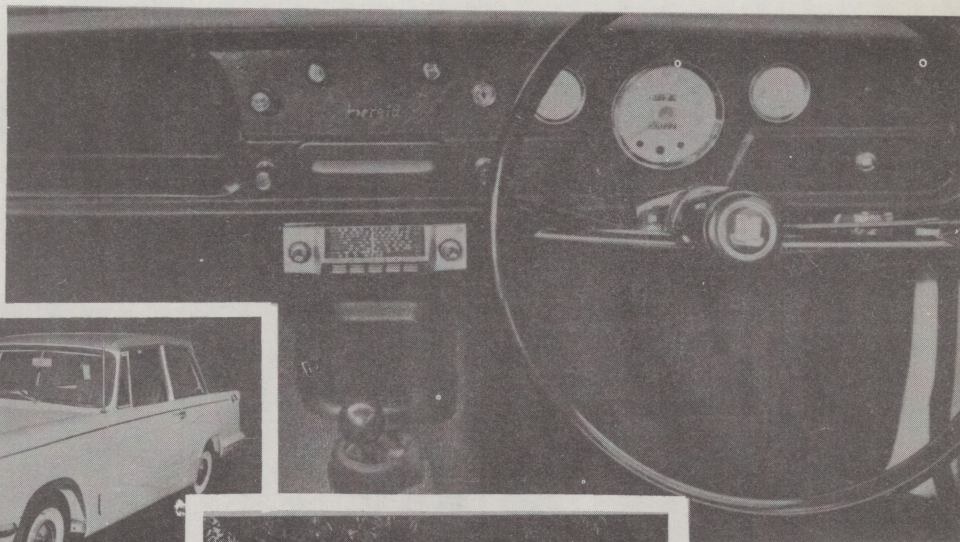
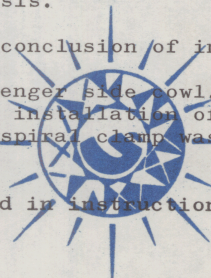
**WARNING:** BATTERY CONNECTION OF INCORRECT POLARITY WILL DAMAGE THE RECEIVER.

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, positive to chassis, "-" position, negative to chassis.

**NOTE:** AERIAL TRIMMER is to be adjusted at conclusion of installation.

**THE AERIAL** is to be mounted on top of passenger side cowl. Use template included in instructions to locate position. During installation of aerial, discard clamping washer supplied on aerial and fit special spiral clamp washer supplied in accessory package.

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



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THE RECEIVER is to be mounted to the bottom lip of instrument panel directly below control knobs on centreline of car. Two side mount plates support receiver to instrument panel, and a rear mount bracket supports receiver to firewall.

- 1 Press the two spacer rings supplied onto control bush lock nuts. Fit dial pointer to carriage arm.
- 2 Fit dial reading supplied with receiver to chrome escutcheon.  
MANUAL RECEIVER ONLY. Fit filler bar to push button opening, fasten securely with speednuts.
- 3 Place black cover escutcheon, chrome escutcheon, chrome washers and barrel nuts onto receiver. Align to receiver then securely tighten barrel nuts and fit manual control knobs.
- 4 Place a mount plate on to each side of receiver so that the short arm of each mount plate is toward top of receiver at control knob end, and pointing away from each side. The two small holes in large section of mount plate are to locate over thread forms in side of receiver.
- 5 Place a flat washer on to each of four 3/8"x NO.8 bdr.hd. screws; insert screws through holes in mount plates into thread forms. Securely tighten screws.
- 6 Place rear mount bracket on to rear of receiver so that slot in long section of bracket locates over the thread form. The short arm of bracket is to be above and point toward the control end of receiver.
- 7 Place a flat washer on to a 3/8"x No.8 bdr.hd. screw; insert screw through slot in rear mount bracket into thread form in receiver. Leave screw fingertight.
- 8 Protruding from lower lip of instrument panel and pointing toward firewall are two small metal plates, one each side of centreline of car.
- 9 Each plate contains a small hole. IMPORTANT: Clean off all paint and burrs from the metal around each hole for approx. 1/2" with emery paper or a sharp edged tool to ensure a good electrical contact. Lightly smear cleaned surface with lanoline.
- 10 Place a captive speednut on to each plate so that the holes in speednuts locate into the holes in metal plates. The flat section of speednuts is to be toward floor of car.
- 11 Place receiver beneath lower lip of instrument panel so that holes in short arms of mount plates locate under the previously fitted speednuts.
- 12 Place a flat washer on to each of two 3/4" No.10 bdr.hd. screws; insert screws through slots in mount plates into speednuts. Leave screws fingertight.
- 13 Align receiver to instrument panel, then mark the position of hole in rear mount bracket on to firewall.
- 14 Remove receiver from its mounted position, then remove rear mount bracket from receiver.
- 15 Drill a 9/64" hole in firewall at the position marked. IMPORTANT: Clean off all paint and burrs from metal around the 9/64" hole for approx. 1/2" with emery paper or a sharp tool to ensure a good electrical contact. Lightly smear cleaned surfaces with lanoline.
- 16 Re-position rear mount bracket against firewall, then place a flat washer on to a 3/4"x No. 10 bdr.hd. screw; insert screw through hole in mount bracket into hole in firewall. Securely tighten screw.
- 17 Re-position receiver and refit the two 3/4"x No.10 bdr.hd. screws through slots in mount plates into speednuts. Leave screws fingertight.
- 18 Refit the 3/8"x 3/16" Whit.hex.hd. screw fastening rear mount bracket to receiver. Leave screw fingertight.
- 19 Align receiver to instrument panel, then securely tighten the two screws fastening mount plates to lip of instrument panel.
- 20 Securely tighten screw fastening rear mount bracket to receiver.
- 21 Insert aerial cable plug into antenna cable socket on passenger side rear corner of receiver.
- 22 Insert fuse supplied into the moulded 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 terminal block.

THE SPEAKER: (6") in a moulded housing is to be mounted to the firewall between the steering column and driving side wall. A stud protruding from rear of housing fastens the speaker assy. to firewall.

- 1 Place speaker assy. against firewall between steering column and driving side wall where it will be clear of all moving mechanisms. Make sure that there is sufficient space in engine well side of firewall to fasten the washer and nut to the assembly stud.
- 2 Mark the position of stud on to firewall; remove speaker assy. and drill a 3/8" hole at the selected position.
- 3 Remove the 5/16" Whit.hex.hd.nut,sh/proof washer and two large flat washers from stud protruding from rear of speaker housing.
- 4 Screw remaining nut on stud toward housing until face of nut nearest end of stud is 3/16" below ends of spacer bracket legs.
- 5 Refit one of the large flat washers on to stud. Position speaker assy. on to firewall so that the stud protrudes through the 3/8" hole in firewall.
- 6 Turn housing assy. so that spacer bracket is parallel to car floor. Feed speaker lead behind housing assy. and instrument panel then insert plug on end of speaker lead into receiver socket adjacent to battery lead entry.
- 7 Refit the large flat washer,sh/proof washer and 5/16"Whit.nut on to stud. Securely tighten the nut.

INTERFERENCE ELIMINATION: No spark plug suppressors are required.

WARNING: Triumph Herald cars are fitted with suppressor type high tension leads; therefore, a distributor suppressor MUST NOT be fitted.

NOTE: The contacting surfaces of the nuts and mount positions for the by-pass capacitors must be entirely free of paint and varnish to ensure a good electrical contact. Lightly smear cleaned surfaces with lanoline.

GENERATOR CAPACITOR: .5uF P/No. 4009-024-16 large lug on end of lead. Loosen generator swivel mount bolt. Insert capacitor mount foot under bolt then securely tighten bolt. Remove shroud from armature terminal connector, NOT THE FIELD TERMINAL. Fit lug on lead on to connector then refit shroud.

IGNITION COIL CAPACITOR: .5uF P/No. 4009-024-25 (small lug.) Loosen one of the coil mount bracket bolts. Slide capacitor mount foot under bolt. Securely tighten bolt, then connect lug on end of lead to coil battery terminal connector.

Reconnect leads to car battery.

AERIAL TRIMMER ADJUSTMENT Raise aerial to half extended height. Tune receiver to a weak station near 1000 Kc/s (approximately centre of dial) adjust trimmer for maximum volume of signal.

# TRIUMPH "HERALD" and "1250"

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

### COMPONENT PARTS LIST

4077-093-66 Aerial Lead-in Cable (1) 36" overall  
7261-025-02 Spiral Clamp Washer (1) areial mount

### SPEAKER AND MOUNTING ACCESSORIES

7296-027-02 Speaker and Housing Assy. (1)  
includes:-  
4056-003-09 Speaker (1) 6" dia. permag type 6M36/80/15  
7116-040-01 Housing (1) moulded  
7006-097-05 Rear Section (1) housing  
7102-039-01 Felt Gasket (1)  
7028-241-03 Rear Bracket (1)  
7171-015-02 Plug (1) on end of lead  
7244-034-01 Terminal (2) on end of lead  
1171-023-08 Lead - 42"required  
7198-030-21 Mount Screw (1) 2"x5/16"Whit. hex.  
7261-370-01 Washer (3) flat steel, 1"x $\frac{3}{8}$ "  
7262-020-01 Washer (2) shakeproof, 5/16" int.  
7148-306-14 Nut (3) 5/16" Whit. hex.

### RECEIVER MOUNTING ACCESSORIES

7055-425-02 Spacer Ring (2) control bush lock nuts  
7084-147-01 Dial Escutcheon (1) chrome  
includes:-  
7081-001-01 "Diamond Dot" emblem  
7008-123-01 "ASTOR" metcal  
7084-277-02 Cover Escutcheon (1) black  
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  
7173-042-03 Pointer (1) dial  
7169-609-03 Bracket (1) driving side  
7169-609-53 Bracket (1) passenger side  
7261-164-02 Washer (5) flat steel, 9/16"x11/64"  
7201-079-08 Screw (5)  $\frac{3}{8}$ "x No. 8 bdr. hd.  
7027-598-03 Bracket (1) rear  
7261-218-04 Washer (3) flat steel, 9/16"x7/32"  
7201-080-04 Screw (3)  $\frac{3}{4}$ "x No. 10 bdr. hd.  
7152-754-01 Speednut (2) No. 10 captive.  
4071-010-01 Fuse (1) 3 Amp.  
7113-001-01 Fuse Holder Body (1)  
7225-012-02 Spring (1) fuse holder  
7086-125-04 Contact (1) fuse holder  
1169-051-08 Lead - 36" required  
7138-023-01 Terminal (1) on end of lead

### INTERFERENCE SUPPRESSION ACCESSORIES

4009-024-16 .5uF Capacitor (1) generator by-pass  
4009-024-25 .5uF Capacitor (1) ignition coil by-pass

### 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 fastening  
7065-011-01 Fuse Holder Cover (1)  
7086-125-04 Contact (1) fuse cover

TRIUMPH HERALD  
AERIAL MOUNT HOLE TEMPLATE.  
BEFORE USE, TEMPLATE MUST BE TRIMMED  
AROUND OUTLINE.

