

'diamond-dot'

CAR RADIO DIVISION, ELECTRONIC INDUSTRIES LTD.

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SERVICE DATA

WOLSELEY 6/110 MKII

INSTALLATION INSTRUCTIONS FOR FITTING

BMC 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. 7281-602-04

Aerial - 5 section, telescopic whip, top mount type, B.M.C. Part No. HYL 3636

or Aerial - 5 section, telescopic whip, lock down type, B.M.C. Part No. HYL 3637

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

Before commencing installation, disconnect the 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 during the installation as detailed overleaf.

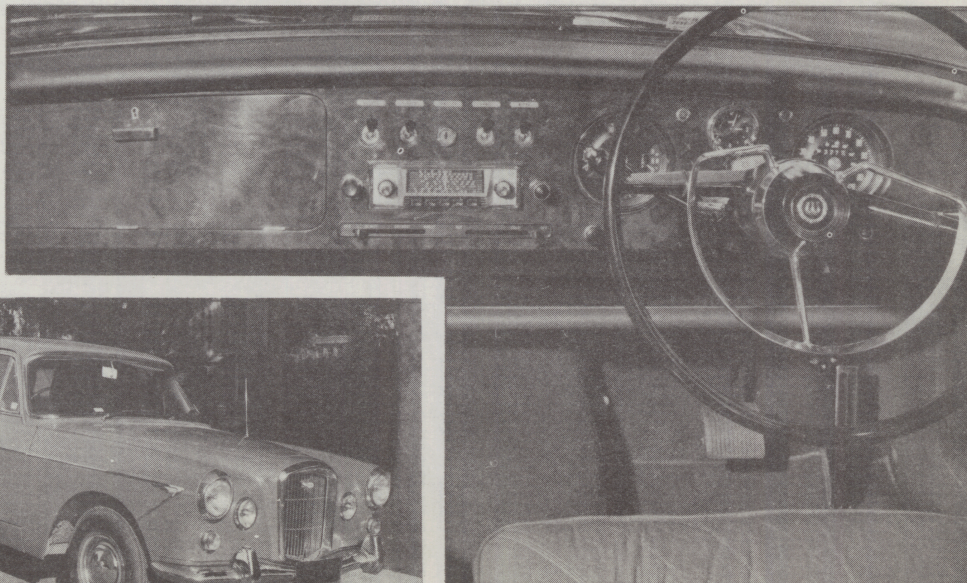
THE AERIAL as selected is to be mounted on top of passenger side fender.

MOUNTING POSITION

TOP MOUNT TYPE:- Mark a position 9" forward from tip junction of door-fender and cowl, and 3" outward from join line of fender.

LOCK DOWN TYPE:- Mark a position 15" forward from tip junction of door-fender and cowl, and $3\frac{3}{8}$ " outward from bonnet fender join line.

Continue to install selected aerial as detailed on instructions supplied with aerial.



AERIAL LEAD-IN CABLE:

- 1 Drill a $\frac{1}{2}$ " dia. hole in the engine compartment side wall directly in line with rear rubber buffer of bonnet.
- 2 Feed lead-in cable through $\frac{1}{2}$ " hole and fit cable grommet into hole. Push excess cable inside car then press ferrule on cable into grommet.
- 3 From firewall remove blind grommet located beneath fender and cowl near door junction.
- 4 Fit grommet supplied into hole then feed cable in through grommet. With excess cable through grommet push ferrule on cable into grommet.

THE RECEIVER AND FRONT SPEAKER is to be mounted into the instrument panel at the position occupied by a cover panel insert. Two brackets which protrude from the heater unit support the rear of receiver. The Speaker (7"x5"- is mounted to studs beneath the grille on the top section of instrument panel.

- 1 Remove the parcel shelf from beneath instrument panel. This shelf is fastened in position by two nuts at each end and two screws on each side of centre.
- 2 Remove the screws fastening back panel in glove-bbx. Remove panel.
- 3 Remove the screws fastening crash pad section near top of instrument panel.
- 4 Loosen but do not remove the screws fastening crash pad beneath windscreen and behind instrument panel.
- 5 Remove the screws and trims from the windscreen support pillars.
- 6 Raise crash pad and remove and discard cover panel from centre of instrument panel. Discard screws and mount brackets from panels.
- 7 Remove and discard the two brace members located near ends of opening and which fasten instrument panel to heater unit.
- 8 Clean off the paint for approx. $\frac{1}{4}$ " from the inside faces of the metal around the curved slots located in the brackets protruding from heater unit.
- 9 Check that lead is firmly attached to speaker terminals then locate speaker on to the studs protruding downward from beneath crash pad grille. Fader control is to hang downward to floor.
- 10 Fasten securely with washers, shakeproof washers and No.10 NF nuts.
- 11 Refit and securely fasten crash pad also trims to windscreen support pillars.
- 12 Discard dust shield from top front of receiver.
- 13 Fit dial pointer to carriage arm and press the spacer rings to the control bush lock nuts. Fit rubber bands to protruding ledge at each end of dial background.
- 14 Feed plug on end of lead from fader control up behind instrument panel and out through opening in panel. Insert plug into receiver socket adjacent to battery lead entry.
- 15 Feed aerial lead-in out through opening in panel and connect to receiver socket.
- 16 Insert fuse into fuse holder then connect holder to fuse cover on end of lead from receiver. Feed lead and fuse holder through opening in panel. Connect end of lead to accessory terminal on ignition switch.
- 17 Fit the dial reading into escutcheon.
MANUAL RECEIVER ONLY: Fit filler bar to push button opening in escutcheon. Fasten securely with speednuts.
- 18 Place the blackfront cover panel, escutcheon and dial escutcheon on to front of receiver. Fasten loosely with chrome washers and barrel nuts.
- 19 Place a large flat washer under the head of each of the $\frac{3}{8}$ "x No.8 bdr. hd. screws then insert screws through curved slots in brackets into receiver thread forms. Do not fully tighten.
- 20 Press receiver and escutcheons against panel then securely tighten the two rear screws.

- 21 Check alignment of escutcheons to panel then securely tighten barrel nuts and fit control knobs.
- 22 Reconnect leads to battery.
- 23 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.
- 24 Refit rear panel to glove box shelf beneath instrument panel.

FADER CONTROL

- 1 Select a position on the vertical section of parcel shelf on the driving side of heater unit.
- 2 At the position selected, drill a $\frac{1}{2}$ " dia. hole in shelf wall.
- 3 Remove knob, barrel nut and chrome washer from fader control.
- 4 Insert spindle of fader control through the $\frac{1}{2}$ " hole then securely refit washer, barrel nut and knob.
- 5 Feed long lead attached to fader control under floor covering to rear seat.

REAR SEAT SPEAKER is to be mounted beneath the trim covering the metal reinforcing panel of parcel shelf.

- 1 Remove upright and seat cushions of rear seat.
- 2 From luggage compartment scribe outline of oblong opening in parcel shelf on to underside of shelf trim.
- 3 Remove trim from parcel shelf then place speaker escutcheon centrally over scribed outline on underside of trim.
- 4 Mark positions of the four mount holes and the outline of oval opening in escutcheon. Withdraw escutcheon and cut out the oval opening. Drill $\frac{3}{16}$ " dia. holes at the mount hole positions.
- 5 Place grille and escutcheon on top surface of shelf trim. Insert the $1\frac{1}{2}$ " x $\frac{5}{32}$ " Whit. csk. hd. black screws through the holes in escutcheon, grille and shelf trim.
- 6 Place speaker onto protruding screws and fasten securely with flat washers, shakeproof washers and $\frac{5}{32}$ " Whit. nuts.
- 7 Refit and securely fasten trim to parcel shelf. Feed lead out into luggage compartment and connect to speaker terminals.
- 8 Refit upright and seat sections of rear seat.

INTERFERENCE ELIMINATION: No spark plug suppressors are required.

Distributor Suppressor: Screw-in type Part No. 4021-012-01. Insert the suppressor into the high tension lead from ignition coil a few inches from where it enters the distributor. Check that lead is well fitted into suppressor and that good contact is made. Securely bind both ends of suppressor to lead with adhesive tape.

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: Install a .5uF capacitor, Part No. 4009-024-38 (large clip type lug on end of lead.) Slide shroud off terminal connector then clip lug on to terminal and refit shroud. Loosen mount bolt of ignition coil bracket, slide mount foot under head of bolt and securely tighten.

Ignition Coil: Install a .5uF capacitor, Part No. 4009-024-04 (small slide type lug on end of lead.) Remove lead from battery terminal of coil. Fit double adaptor supplied on to coil terminal then fit capacitor lead lug and battery lead to adaptor. Loosen other mount bolt of coil bracket then slide mount foot under head of bolt and securely tighten.

FRONT WHEEL STATIC SUPPRESSION: Two static collectors Part No. 7225-080-01 are supplied and are to be fitted to the front wheels of the car. Remove the large decorative hub cap from each front wheel, then remove the small dust caps that cover the ends of the front axles.

IMPORTANT: Make sure each dust cap is free of grease or dirt, then insert a static collector into each dust cap. The contact point of collector is to be outermost so that it will make contact with the axle when fitted. Locking the castle nut to the axle is a split pin; if the leg of the pin is across the centre of the axle, move the leg so that it follows the circumference of the axle. Refit dust caps so that the contact point of each static collector makes contact with centre of axle. Refit the large decorative hub caps.

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COMPONENT PARTS LIST

4077-225-53	Aerial Lead-in Cable (1) 60" overall
7120-029-02	Grommet (1) lead cable entry

SPEAKER AND MOUNTING ACCESSORIES

4056-012-11	Speaker (2) 7"x 5" permag type C75L36/46/15
7261-163-04	Washer (4) flat steel, $\frac{3}{8}$ "x 11/64"
7262-512-01	Washer (4) shakeproof, 3/16" ext.
7150-104-11	Nut (4) No. 10 NF.
7104-030-01	Grille (1) rear speaker
7084-069-02	Escutcheon (1) rear speaker
7198-127-54	Screw (4) $1\frac{1}{2}$ "x 5/32" Whit. csk. hd.
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.
4028-002-01	Fader Control (1) 100 ohm.
7150-901-02	Spacer Nut (1) fader control
7150-854-12	Barrel Nut (1) fader control
7261-484-02	Chrome Washer (1) fader control
7124-140-04	Knob (1) fader control
7171-015-02	Plug (1) lead to receiver
7244-034-01	Terminal (4) ends of lead
1171-023-08	Lead - 25 ft. total required

RECEIVER MOUNTING ACCESSORIES

7173-042-04	Dial Pointer (1)
7055-425-02	Spacer Ring (2) control bush lock nuts
7014-003-01	Rubber Band (2) dial background
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 - 12" required
7138-023-01	Terminal (1) on end of lead
7220-002-01	Shroud (1) terminal
7084-147-31	Dial Escutcheon (1)
	includes:-
7081-001-01	"Diamond Dot" emblem
7008-123-04	B.M.C. metal
7084-088-05	Receiver Front Cover (1) black
7084-253-02	Panel Escutcheon (1) chrome
7261-484-02	Chrome Washer (2)
7150-854-02	Barrel Nut (2)
7124-425-01	Knob (2) Anti-ference and Tone, rear
7124-424-11	Knob (2) Tuning and Volume, front
7261-205-05	Washer (2) flat steel, $\frac{3}{4}$ "x 13/64"
7201-079-08	Screw (2) $\frac{3}{8}$ "x No. 8 bdr. hd.

INTERFERENCE ELIMINATION ACCESSORIES

4009-024-38	.5uF capacitor (1) generator by-pass
4009-024-04	.5uF capacitor (1) ignition coil by-pass
7225-080-01	Front Wheel Static Suppressor (2)
7138-026-01	Double Adaptor (1) coil by-pass
4021-012-01	Suppressor (1) distributor

COMPONENTS SUPPLIED WITH RECEIVER

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