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CAR RADIO DIVISION, ELECTRONIC INDUSTRIES LTD.
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7135-275-29

SERVICE DATA
WOLSELEY 24/80

INSTALLATION INSTRUCTIONS FOR FITTING

B.M.C. 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. 7281-601-03
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.

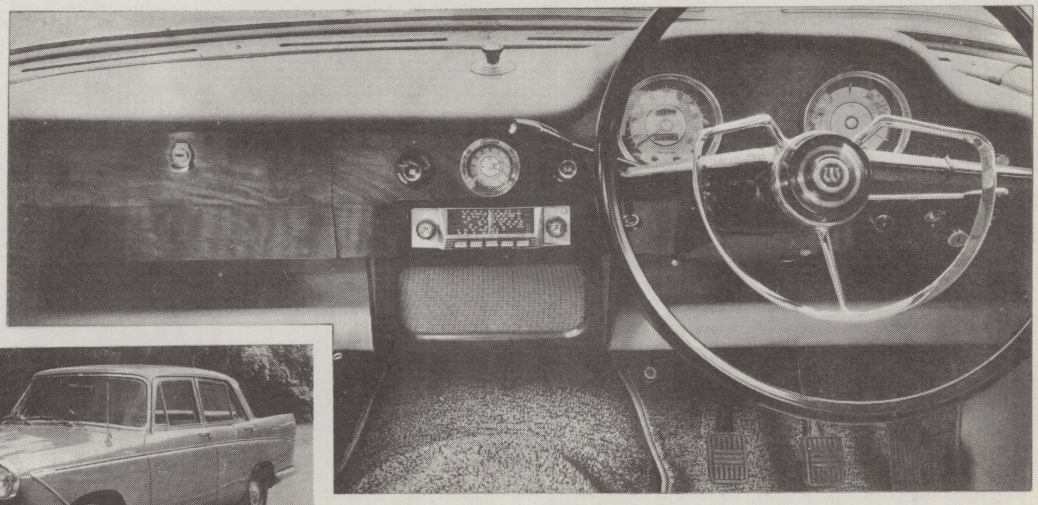
NOTE: THE AERIAL TRIMMER is to be adjusted at conclusion of installation.

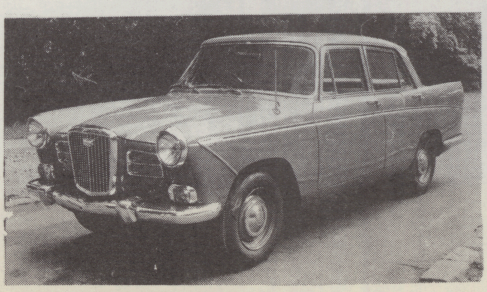
THE AERIAL required is a five section, telescopic whip, top mount type or a five section, telescopic whip, retractable type.

1 MOUNT POSITION: Both Aerials.
Mark a position on top of passenger side fender, $1\frac{1}{8}$" out from crest of fender and 15" forward from the junction of cowl, fender and front edge of passenger side door.

2 Drill a 1" dia. hole in the fender at marked position.

3 Install selected aerial as detailed on the instructions supplied with the aerial. Discard the flat rubber packing fitted to the aerial and fit the curved packing washer supplied in aerial carton.





AERIAL LEAD-IN CABLE:

1 Drill a ½" hole in a vertical section of engine well passenger side wall directly below bonnet guttering, 13½" toward front of car from vertical section of firewall.

2 Fit grommet supplied into ½" hole then feed cable through grommet. With excess cable inside car: push ferrule on cable into grommet.

3 Pierce blind grommet adjacent to windscreen wiper cable grommet in firewall.

4 Feed cable through pierced hole in grommet into interior of car.

THE RECEIVER is to be mounted to instrument panel in the position occupied by a cover panel. Two side mount brackets are supplied to support the receiver to instrument panel and two brace arms.

1 Place a mount bracket on to each side of receiver so that small arm of bracket that has two slots are toward control knob end and point away from each side of receiver. The tongue of each bracket to which speednuts are attached are to be above receiver.

2 Locate the slots in flat section of brackets over thread forms in sides of receiver.

3 Place a flat washer on to each of six ⅜"x No.8 bdr. hd. screw. Insert screws through slots in mount brackets into threads. Leave screws fingertight.

4 Remove and retain screws fastening speaker grille panel and parcel shelf to car; then remove grille panel and parcel shelf from car.

5 Remove and retain nuts and sh/proof washers fastening oblong cover panel to instrument panel situated directly above speaker grille.

6 Press cover panel toward firewall, then remove and discard the panel.

7 Insert aerial cable plug into socket on passenger side rear corner of receiver.

8 Press the two spacer rings supplied over the control bush lock nuts then fit dial pointer to carriage arm.

9 Slide dust shield fitted to top front of receiver forward until front metal edge is flush with front edge of spacer rings. Securely tighten two screws.

10 Place receiver behind instrument panel so that control spindles protrude through exposed opening.

11 Locate the tongues of mount brackets between the two metal brace arms. IMPORTANT: Clean off all paint and burrs from metal round slots in brace arms for approx. ½" with emery paper or a sharp edged tool to ensure a good electrical contact. Lightly smear cleaned surfaces with lanoline.

12 Locate slots in small arms of brackets over the four studs that were used to fasten oblong cover panel to instrument panel.

13 Place a flat washer on to each of the four studs, then refit sh/proof washers and nuts previously removed. Leave nuts fingertight.

14 Place a flat washer on to each of two 5/8"x No.8 hex.hd. screws. Insert screws through slots in metal brace arms into speednuts attached to mount bracket tongues. Leave screws fingertight.

15 Fit dial reading to chrome dial escutcheon. MANUAL RECEIVER ONLY: To push button opening fit filler bar then securely fasten with speednuts.

16 Fit panel escutcheon, chrome dial surround escutcheon, chrome washers and barrel nuts to receiver; align to instrument panel then securely tighten.

17 Securely tighten the four nuts fastening small arms of mount brackets to instrument panel.

18 Securely tighten screws fastening metal brace arms to tongues of mount brackets.

19 Securely tighten screws fastening brackets to receiver.

20 Fit manual control knobs.

21 Insert the 3 Amp. fuse into moulded fuse holder, connect fuse holder to fuse cover on end of lead from receiver; feed end of receiver battery lead through main harness loom grommet into engine well, then connect lead to terminal marked A1 on fuse block.

THE SPEAKER: (7"x 5") assembled to a baffle plate is to be mounted behind speaker grille situated between instrument panel and parcel shelf rail.

NOTE: The speaker grille panel and parcel shelf to be removed from car during installation of receiver.

1 Place speaker and baffle assy. on to speaker grille panel so that the four holes in speaker baffle locate over the four studs protruding from speaker grille panel.

2 Place a flat washer, a sh/proof washer and a No.10 NF hex. nut supplied on to each of the four studs. Securely tighten nuts.

3 Refit speaker grille panel and parcel shelf to car, securely fasten with the previously removed hardware.

4 Insert plug on end of speaker lead into socket near receiver battery lead entry.

INTERFERENCE ELIMINATION: No spark plug suppressors are required.

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

NOTE: The contacting surfaces 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: .5uF capacitor, Part No. 4009-024-16 (large slide type lug on end of lead) Loosen the bolt fastening generator swivel bracket, slide mount foot of capacitor under head of bolt then securely tighten. Slide shroud off connector attached to armature post of generator. Slide the lug on the end of the lead from capacitor onto armature connector. Refit shroud.

Ignition Coil: .5uF Capacitor, Part No. 4009-024-25 (small lug.) Loosen one of the coil mount bracket screws, then slide mount foot under screw head. Securely tighten screw and connect lug on lead to coil battery terminal.

Front Wheel Static Suppression: Two static collectors 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 ends of front axles.

IMPORTANT: Make sure that each dust cap is free from grease or dirt, then insert a static collector into each cap. The contact point of collector is to be outermost so that it will make contact with axle when fitted.

Locking the castle nut to axle is a split pin. If leg of split pin is across centre of axle, move leg so that it follows circumference of axle.

Refit dust cap so that contact point of each static collector makes contact with centre of each axle, then refit the large decorative hub caps.

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.

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COMPONENT PARTS LIST

4077-225-54	Aerial Lead-in Cable (1) 72" overall

SPEAKER AND MOUNTING ACCESSORIES

7296-009-02	Speaker Assy. (1) complete
	includes:-
4056-012-11	Speaker (1) 7"x5" permag. type C75L36/46/15
7009-016-02	Baffle (1)
7102-028-01	Gasket (2) long
7102-029-01	Gasket (2) short
7261-180-02	Washer (4) flat steel, $\frac{3}{8}$"x3/16"
7262-510-01	Washer (4) shakeproof, 5/32" ext.
7148-303-11	Nut (4) 5/32" Whit.
4077-174-04	Lead and Plug Assy.
	includes:-
1171-023-08	Lead - 36" required
7171-015-01	Plug (1)
7244-034-01	Terminal (2)
7261-218-04	Washer (4) flat steel, 9/16"x7/32"
7262-512-01	Washer (4) shakeproof, 3/16" ext.
7150-004-01	Nut (4) No. 10 NF hex.

RECEIVER MOUNTING ACCESSORIES

7027-603-03	Bracket (1) passenger side
7027-603-53	Bracket (1) driving side
7152-752-01	Speednut (2) No. 6 captive
7261-164-02	Washer (6) flat steel, 9/16"x 11/64"
7201-079-08	Screw (6) $\frac{3}{8}$"x No. 8 bdr. hd.
7055-425-02	Spacer Ring (2) 5/16", control bush lock nuts
7173-042-04	Dial Pointer (1)
7261-218-04	Washer (6) flat steel, 9/16"x 7/32"
7204-029-06	Screw (2) 5/8"x No. 8 hex. hd.
7084-147-31	Dial Escutcheon Assy. (1)
	includes.-
7081-001-01	"Diamond Dot" emblem
7008-123-04	B.M.C. metcal
7084-150-02	Panel Escutcheon (1)
7261-484-02	Chrome Washer (2)
7150-854-20	Barrel Nut (2)
7124-425-01	Knob (2) antiference and tone, rear
7124-42 -11	Knob (2) tuning and volume, front
4077-175-25	Battery Lead Assembly (1)
	includes:-
1169-051-08	Lead - 42" required
7113-001-01	Fuse Holder Body (1)
7225-012-02	Spring (1) fuse holder
7086-125-04	Contact (1) fuse holder
7059-001-01	Terminal (1) end of lead
7220-002-01	Shroud (1) terminal

INTERFERENCE ELIMINATION ACCESSORIES

4009-024-16	.5uF Capacitor (1) generator by-pass
4009-024-25	.5uF Capacitor (1) ignition coil by-pass
4021-012-01	Resistive Suppressor (1) distributor
7225-080-01	Static Collector (2) front wheels

COMPONENTS SUPPLIED WITH RECEIVER

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