

AIR CHIEF

CAR RADIO DIVISION, ELECTRONIC INDUSTRIES LTD.

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HOLDEN - 9

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SERVICE DATA

HOLDEN "FE"/"FC"

INSTALLATION INSTRUCTIONS FOR FITTING

AIRCHIEF 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 GMH. Part No.

Aerial - 5 section, telescopic whip, top mount type - GMH Part No. 7419906.

or Aerial - 5 section, telescopic whip, lock down type - GMH Part No. 33308

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

NOTE: AERIAL TRIMMER located on rear passenger side wall of receiver is to be adjusted at conclusion of installation.

THE AERIAL: Mounted at the positions detailed.

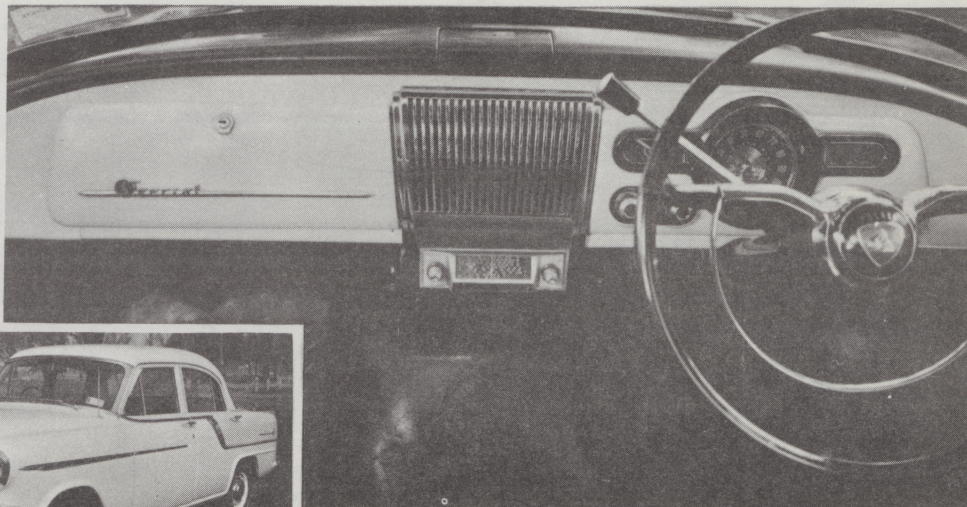
TOP MOUNT TYPE:- From these instruction sheets tear off the page which contains template for aerial mount hole. Trim template along its outline, cut at four positions indicated, then locate correctly on top of cowl.

LOCK DOWN TYPE:- Do not use the template. Mark the passenger side fender at a position 6" forward from door fender join line and $1\frac{3}{4}$ " out from bonnet join line.

Install selected aerial as detailed in instructions supplied with aerial.

AERIAL LEAD-IN CABLE:- Fully retractable aerial only

Drill a $\frac{1}{2}$ " hole in passenger side wall above the kick pad. Feed lead-in cable through hole into interior of car then insert body of shroud grommet into hole. Pull through hole with a wriggling motion until head of grommet locates in and seals $\frac{1}{2}$ " dia. hole.



THE SPEAKER: 9"x6" oval permag is to be mounted behind the grille provided centrally on the centreline of the instrument panel.

- 1 Remove the two screws and shakeproof washers from escutcheon mount bracket below grille. CAUTION: Remove escutcheon by gently levering out from grille. From front of grille remove two screws and shakeproof washers fastening bottom of grille to instrument panel.
- 2 Remove the screws fastening glove box then remove glove box. Remove screws fastening driving side support arm to glove box door.
- 3 From behind instrument panel, remove two nuts and shakeproof washers fastening top of grille to panel. Thread grille along glove box door support arm away from panel.
- 4 With the slots in short arms of large mount bracket offset toward firewall, locate the studs in bracket into the two holes in the channel rail directly below speaker grille opening. Fasten bracket securely with flat washers, shakeproof washers and 7/8"x 3/16" Whit. hex. special nut.
NOTE: Threaded section of each nut is to be at the top.
- 5 Remove four nuts and washers fastening chipboard cover to grille. Discard cover then with terminals at top, place speaker on to grille studs. Securely fasten with flat washers and nuts.
- 6 Insert glove box support arm through slot in grille then refit grille to panel. Refit screws and shakeproof washers to bottom of grille. Leave finger tight.
- 7 Refit two screws fastening support arm to glove box door. Align door to panel and securely tighten.
- 8 Locate the two holes in splash shield supplied over the two studs at top of grille, the section of splash shield between the two small notches is to locate under upper curved section of speaker grille. Large cut out in splash shield is to be toward passenger side of car.
- 9 Refit the two nuts and shakeproof washers on to the studs at top of grille. Align grille to instrument panel then securely tighten the two nuts and the two screws fastening grille to panel.

THE RECEIVER is to be mounted directly below the speaker grille. A mount bracket supports the front to panel rail and the rear is attached by a long "Z" shaped bracket to the firewall.

- 1 Press two spacer rings on to the control bush lock nuts then fit dial pointer to carriage arm.
- 2 Discard dial reading supplied with receiver. Fit dial reading supplied in accessory package to the dial escutcheon. MANUAL RECEIVER ONLY: Fit the filler bar to push button opening, fasten securely with speednuts.
- 3 Place front cover then curved escutcheon and dial escutcheon on to front of receiver.
- 4 Align then fasten securely with chrome washers and barrel nuts. Fit manual control knobs.
- 5 Place narrow slot in "Z" bracket against thread form in rear wall of receiver. Fasten with a flat washer and a $\frac{3}{8}$ "x No.8 bdr. hd. screw. With long section of bracket away from and below receiver securely tighten screw.
- 6 Place receiver beneath grille so that slots in arms of bracket locate over thread forms near front on sides of receiver. Fasten with flat washers and $\frac{3}{8}$ "x No.8 bdr. hd. screws. Fingertighten.
- 7 Push receiver against grille panel and drill a 9/32" hole in the trim and firewall corresponding to slot in rear mount bracket.
- 8 Enlarge the hole in trim to $\frac{1}{2}$ " dia. to accommodate the bracket spacer.

- 9 Fit the spacer supplied into the hole in trim then place a flat washer under the head of a $1\frac{1}{4}$ "x $\frac{1}{4}$ " Whit. hex. hd. screw and insert screw through slot in bracket and hole in spacer and firewall.
- 10 Fasten with a flat washer, shakeproof washer and a $\frac{1}{4}$ " Whit. nut.
- 11 Align receiver to grille then securely tighten the screws fastening bracket to front of receiver and the screw fastening bracket to firewall.
- 12 The splash shield attached to speaker grille is to curve downward over rear of receiver. Pierce a hole in shield and fasten with the screw fastening the bracket to rear of receiver.
- 13 Insert lead-in cable plug into socket on passenger side rear corner of receiver.
- 14 Insert plug on end of speaker lead into receiver socket adjacent to battery lead entry.
- 15 Connect plug on end of fuse lead assy. to cap connector on end of lead from receiver. Connect free end of battery lead to the centre terminal (No.1) on end opposite the switch control rod of light switch.
- 16 Refit glove box to instrument panel.
- 17 Fit the black clip supplied on to the fuse holder. Raise the clip up behind instrument panel and attach it to fuse carrier plate situated under hand brake pull rod.
- 18 Fit one of the plated clips supplied on to the connector on battery lead near receiver.

INTERFERENCE ELIMINATION : No spark plug suppressors are required.

DISTRIBUTOR SUPPRESSOR: Cut the lead which runs from the coil to the centre connecting socket of distributor approx. 2" from the distributor. Unplug lead at each end and screw a piece into each end of suppressor P/No.4021-012-01. Securely bind both ends of suppressor with adhesive tape. Refit lead to coil and distributor.

NOTE: The contacting surfaces of the screws and mount positions for the by-pass capacitors must be entirely free of paint and grease. Lightly smear cleaned surfaces with lanoline.

GENERATOR: Install a .5uF capacitor (large hole in lug) P/No. 4009-024-01 on the generator. Slide capacitor mount foot under the head of terminal screw marked "D-". Securely tighten the screw. Connect lug on lead to armature terminal marked "D+", NOT THE FIELD TERMINAL. NOTE: On the Lucas generator the armature is the large terminal nearest to engine and above the small field terminal. Bosch generator terminals are clearly marked on top of the generator.

IGNITION COIL: Install a .5uF capacitor (small hole in lug) P/No.4009-024-07 near the ignition coil. Directly below the ignition coil loosen the screw which fastens engine side cover plate in position. Slide mount foot of capacitor under head of screw then securely tighten screw. Connect lug on lead to the coil battery terminal.

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.

HOLDEN "FE"/"FC"

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

COMPONENT PARTS LIST

4077-093-66	Aerial Lead-in Cable (1) 36" overall, supplied, for use with top mount aerial.
4077-093-67	Optional. Aerial Lead-in Cable (1) 48" overall, for use with fully retractable aerial.

SPEAKER AND MOUNTING ACCESSORIES

4056-004-18	Speaker (1) 9"x6" permag type C96L36/69/15
7171-015-02	Plug (1) on end of lead
7244-034-01	Terminal (2) on end of lead
1171-023-08	Lead - 18" required

RECEIVER MOUNTING ACCESSORIES

7215-029-02	Splash Shield (1) chipboard
7198-029-23	Screw (1) 1 $\frac{1}{4}$ "x $\frac{1}{4}$ "Whit.hex.hd.
7261-241-02	Washer (1) flat steel, 31/32"x17/64"
7262-516-02	Washer (1) shakeproof, $\frac{1}{4}$ "ext.
7148-105-11	Nut (1) $\frac{1}{4}$ "Whit.
7028-645-02	Bracket (1) large, front assy.
7028-643-03	Bracket (1) "Z" shaped, rear
7293-025-03	Spacer (1) rear mount screw
7261-164-02	Washer (3) flat steel, 9/16"x11/64"
7201-079-08	Screw (3) $\frac{3}{8}$ "x No.8 bdr.hd.
7055-425-02	Spacer Ring (2) control bush lock nuts
7173-042-05	Dial Pointer (1)
7070-115-21	Dial Reading (1)
7084-088-02	Front Cover (1)
7084-199-03	Curved Escutcheon (1)
7084-147-11	Dial Escutcheon Assy. (1)
	includes:-
7081-001-01	"diamond dot" emblem
7008-123-02	"AIRCHIEF" metcal
7124-424-01	Knob (2) antiference and tone, rear
7124-425-11	Knob (2) tuning and volume, front
7262-512-02	Washer (2) shakeproof, 3/16" ext.
7148-912-01	Nut (2) special, 3/16"Whit.
7261-205-18	Washer (2) flat steel, $\frac{3}{4}$ "x13/64"
7261-484-02	Chrome Washer (2)
7150-854-20	Barrel Nut (2)
7055-364-01	Clip (1) black, fuse holder anchor
7055-365-01	Clip (2) plated, lead anchor
4077-139-02	Battery Lead Assy. (1)
	includes:-
7113-001-01	Fuse Holder Body (2)
7065-011-01	Fuse Holder Cap (1)
7225-012-02	Spring (2)
7086-002-02	Contact (3)
4071-010-01	Fuse (1) 3 Amp.
7293-121-02	Spacer (1) dummy fuse, cardboard
1169-051-01	Lead - 72" required
7138-022-01	Terminal Lug (1) spade type
7014-003-01	Rubber Band (2) $\frac{3}{4}$ "x1/16"x1/32"

INTERFERENCE SUPPRESSION ACCESSORIES

4009-024-01	.5uF Capacitor, generator by-pass
4009-024-07	.5uF Capacitor, ignition coil by-pass
4021-012-01	Suppressor Resistor, distributor

COMPONENTS SUPPLIED WITH RECEIVER

7119-046-01	Filler Bar (1) manual receiver escutcheon
7152-272-01	Speednut (2) filler bar fastening
7065-011-01	Fuse Holder Cover (1)
7086-125-04	Contact (1) fuse cover.

