



**CHRYSLER**  
AUSTRALIA LTD.

# DEALER SERVICE BULLETIN

DATE August 14th, '7

NO. 24/72/1

Page 1 of 2

SUBJECT :

Air Conditioning  
Removal

It should be noted that the time allocated for the removal and replacement of an air conditioning unit in the 'H' Series Operation Time Schedule Part No. 3711135 (Operation no. 24-010) has been reduced from the VG time of 8.8 hours to 3.4 hours. This time can be achieved by adopting the procedure listed below. This method basically involves splitting the unit into two parts and removing it from beneath the instrument panel in lieu of the earlier method of removing the front windscreen and the instrument panel.

### Air Conditioner/Heater Removal Procedure.

1. Disconnect the battery.
2. Loosen the connections at the dash panel to discharge the Freon gas from the unit. CAUTION : Adhere strictly to the safety precautions set out on page 24 - 22 of the 'H' Series Workshop Manual.
3. Remove the heater hoses at the dash panel end, plug the heater and hose outlets to prevent loss of coolant. Remove the sealing grommet from the dash panel.
4. Remove the three cross recess screws that hold the blower motor in place. An angle phillips head screwdriver will be necessary to remove the two lower screws. Remove the heater blower motor. Disconnect the two electrical connections.
5. Remove the air outlet duct assembly from the lower side of the instrument panel. On 770 models with automatic transmission it will be necessary to remove the console assembly.
6. Remove the demister tubes between the heater and the demister outlets. Remove the square section feed tube that leads to the floor level air outlet.
7. Disconnect the left hand fresh air vent cable from the instrument panel. Remove the two bolts from the bottom side of the fresh air outlet vent and remove the outlet.
8. Remove the left hand cowl side panel trim (kickboard), remove the bolt that attaches the instrument panel to the cowl side panel and pull the instrument panel back towards the front seat. While holding the instrument panel back in this position, start the retaining bolt in the cowl side panel. This will hold the instrument panel back and allow sufficient room to remove the unit at a later stage.
9. Remove the glove box assembly.
10. Disconnect the fresh air recirculation actuator diaphragm control rod, loosen the retaining screws and slide the diaphragm from the retaining bracket, pull the actuating hoses from the retaining clips on the heater assembly.
11. Loosen the two screws that retain the diaphragm on the lower left side of the heater unit, pull the diaphragm toward the centre of the vehicle. Remove the screw that retains the bracket to the heater unit and bend the light gauge metal portion of the bracket down to-

MODELS :

'H' Series  
Valiant &  
Chrysler

GROUP : 24

Air Conditioning  
And Heating.

11. Cont'd. ward the vehicle floor, this operation is necessary to allow the heater unit to clear the bracket.
12. Remove the three heater retaining nuts from the vicinity of the heater motor aperture in the engine compartment.
13. Lower the heater box assembly and remove the operating cables (at the heater unit end) and the electrical connections from the top of the heater.
14. Remove the heater assembly from the vehicle.
15. Complete the removal of the suction line and the line from the expansion valve at the dash panel. Remove the air conditioner unit attaching nuts (behind the cylinder block) and remove the air conditioner unit from the vehicle.

Assembly is the reverse of the procedure listed above. NOTE : It is important that the bolts are started in the hook that retains the left hand fresh air vent, prior to assembly of the heater unit into the vehicle. The heater unit should then be pushed into place ensuring that the hook locates over the edge of the opening in the plenum chamber.



M.G. Aspley,  
MANAGER - TECHNICAL SERVICE OPERATIONS.



# DEALER SERVICE BULLETIN

DATE August 14th, 1972  
Reissued March 16th, 1972

NO. 24/72/1A

This bulletin is issued as a replacement for bulletin no. 24/72/1 issued August 14th, 1972. To avoid confusion the original issue should be destroyed.

It should be noted that the time allocated for the removal and replacement of an air conditioning unit in the 'H' Series Operation Time Schedule Part No. 3711135 (Operation no. 24-010) has been reduced from the VG time of 8.8 hours to 3.4 hours. This time can be achieved by adopting the procedure listed below. This method basically involves splitting the unit into two parts and removing it from beneath the instrument panel in lieu of the earlier method of removing the front windscreen and the instrument panel.

## AIR CONDITIONER/HEATER REMOVAL PROCEDURE.

1. Disconnect battery.
2. Loosen the flange nuts to the air conditioner pipes at the dash panel to discharge the Freon, gas.  
CAUTION: Adhere strictly to the safety precautions set out on page 24-22 of the 'H' Series Work-shop Manual.
3. Remove the heater hoses on the dash panel end, plug the heater and hose outlets to prevent loss of coolant. Remove the sealing grommet from the dash panel.
4. Remove the three (cross) recess screws that hold the blower motor in place. An angle phillips head screw driver will be necessary to remove the two lower screws. Remove the heater blower motor. Disconnect the two electrical connections and the heater blower motor cooling pipe. Remove the two small plastic tubes (red and white) from the heater control diaphragm and the small black plastic vacuum hose from the inlet manifold.
5. From inside the vehicle remove the air outlet duct assembly (mouth organ). This unit is suspended by two  $\frac{1}{4}$ " bolts, to the inside of the instrument panel. It will assist in the removal of the air conditioner unit if the console assembly is removed on vehicles so equipped. However, this is not absolutely necessary.
6. Disconnect the two screws that attach the left hand fresh air vent cable to the instrument panel.
7. Remove the ash tray and ash tray housing, detach the illumination light and cigarette lighter connection from same.

Page 1 of 3

SUBJECT :

Air Conditioner  
Removal

MODELS :

'H' Series  
Valiant and  
Chrysler

GROUP : 24

Air  
Conditioning  
and Heating

8. Remove the left hand demister tube from the demister outlet.  
NOTE: Leave this tube attached to the square section feed tube on the air conditioner housing.
9. Remove the right hand side demister tube from the square section tube on the air conditioner unit; this tube is glued to the square section and a slight twist with a small screw driver is necessary to break this seal.  
NOTE: Do not disconnect from the demister outlet on the instrument panel.
10. Remove the three screws that attach the square section tube to the air conditioner unit and remove it complete with the left hand demister tube.
11. Remove the left hand cowl panel side trim (kick board). Remove the bolt that attaches the instrument panel to the cowl side panel. While levering the instrument panel back, replace the bolt on the outer edge of the instrument panel bracket. This will hold the instrument panel back and allow sufficient room to remove the unit at a later stage.
12. Remove the glove box assembly.
13. Remove the two bottom bolts that retain the left hand air vent retaining hook into the plenum chamber.
14. Disconnect the red and white vacuum tubes from the inlet door actuator diaphragm on the lower left side of the assembly.
15. Remove the nut from the above mentioned diaphragm bracket and push the loose fixing bolt through the bracket and into the left hand air vent chamber. This will permit freedom of movement of the heater assembly. At a later stage this bolt will be made a permanent fixture prior to reinstallation of the assembly.
16. Reach through the glove box aperture and ~~remove~~ the red and white vacuum tubes from the fresh air recirculation actuator diaphragm mounted on the top left hand side of the assembly. Remove these vacuum pipes from the retaining clips on the heater assembly body. Remove the lock washer from the fresh air recirculator actuator diaphragm control rod. Loosen the two nuts at the diaphragm and remove the diaphragm complete with shaft from the bracket.
17. ~~Remove~~ the two heater control cable retaining clips, disconnect the eyelet end of the inner control cables from the control lever. Note the position of these cables for reassembly.
18. Remove the three way electrical connection and the single connector from the blower resistance wiring panel on top of the unit. Release the wiring loom from the clip adjacent to the resistance panel.

19. Remove the  $\frac{1}{4}$ " stud (7/16" SAE Spanner) on the top extreme right of the heater unit. Hang the unit down and below the instrument panel being careful not to foul the diaphragm retaining bracket thus avoiding damage to the fibre glass heater housing. Ensure that the radio leads and cables are clear of the unit during removal.
20. Remove the two remaining red and white vacuum tubes from the heater/defroster actuator diaphragm mounted on top of the air conditioner unit. Withdraw complete with grommet the three plastic vacuum tubes that protrude from the dash panel into the engine compartment. Group all nine pipes together and pass through the ash tray aperture so that fouling does not occur during removal of the air conditioner. Disconnect the two electrical connections from the evaporator temperature control switch mounted on the top of the air conditioner unit.
21. From the engine compartment, remove the 2  $\frac{3}{16}$ " nuts (3/8" SAE Spanner) adjacent to refrigerant pipes. Unscrew the two flange nuts on the refrigerant pipes. Remove the 4  $\frac{3}{8}$ " air conditioner retaining nuts ( $\frac{1}{2}$ " SAE Spanner) from the engine bay side of the dash panel.
22. From inside the vehicle and under the carpet, remove the  $\frac{1}{4}$ " bolt (7/16" SAE Spanner) that attaches the air conditioner unit to the transmission tunnel.
23. Pull the air conditioner unit clear of the dash panel and into the passengers side (left side) of the inside of the vehicle. Stick the spacer washers on the mounting studs on the air conditioner unit so that they will be re-fitted in the correct position.

#### PREPARATIONS PRIOR TO REASSEMBLY.

1. Ensure that the insulation material between the air conditioner unit and the dash panel is correctly located.
2. Fix a  $\frac{3}{16}$ " x  $\frac{1}{2}$ " long gutter bolt into the left hand air vent using a thin nut on the outside of the air vent. This replaces the bolt that retains the inlet door actuator diaphragm mentioned in paras. 14 and 15 and is necessary to ensure retention of the bolt while the retaining nut is tightened.
3. The two bolts should be started in the left hand fresh air vent retaining hook. This will make it possible to locate the hook over the edge of the opening into the plenum chamber on reassembly.

#### REASSEMBLY

The reverse of the removal procedure detailed previously must be carried out to enable reassembly of the unit.

*M.G. Aspley*

M.G. ASPLEY  
MANAGER -  
SERVICE TECHNICAL OPERATIONS