



HEATING AND VENTILATION 34B
(Escort)

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SPECIAL SERVICE TOOLS REQUIRED: NONE

Service and Repair Operations	Contained in Operation	Page
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34 382 0 Resistor - Heater Fan Motor - Replace	-	6

For Service and Repair Operations not listed here, please refer to the Escort/Orion '91 Service Microfiche.



TECHNICAL DATA

Heating and Ventilation

Tightening TorquesNm

Hose clips of heater hoses	..	..	..	..	..	..	..	..	..	3 to 4
Coolant drain plug	..	..	..	..	..	..	..	..	..	1,2 to 1,5
Fan motor to shroud	..	..	..	..	..	..	..	..	..	8 to 10
Fan motor earth cable to shroud	..	..	..	..	..	..	..	..	..	3
Shroud to radiator	..	..	..	..	..	..	..	..	..	3,0 to 5,0
Radiator to front crossmember	..	..	..	..	..	..	..	..	..	19,5 to 26,5
Heater housing to body	..	..	..	..	..	..	..	..	..	7,0 to 11,0
Heater radiator to heater housing	..	..	..	..	..	..	..	..	..	1,0 to 1,4

Fill Capacities

Coolant	..	..	..	..	..	..	..	..	..	7,5 litres
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34 374 0 MOTOR - HEATER FAN - REMOVE AND INSTALL

SPECIAL SERVICE TOOLS REQUIRED: NONE

To Remove

1. Disconnect the battery earth cable.
2. Remove the air plenum chamber seal, Fig.1.(A).

Fig.1. Bulkhead cover.

- A - Seal
- B - Cable ties
- C - Rubber grommet
- D - Hexagon bolts
- E - Torx bolts

3. Cut the cable ties, Fig.1.(B), and detach the wiring loom from the bulkhead cover.
4. Pull the rubber grommet and wiring loom out of the bulkhead cover, Fig.1.(C).

NOTE: Do not detach the speedometer drive cable.

5. Detach the cover from the bulkhead (8 bolts), Fig.1.(D,E), pull it forwards and place it on the engine.

6. Withdraw the heater fan cover from the guides and remove it, Fig.2.

7. Disconnect the multiplug from the fan motor resistor and unscrew the earth cable from the body. Detach the heater fan from the cowl panel (2 nuts) and remove it from the air plenum chamber, Fig.3.

Fig.3. Heater fan.

- A - Multiplug of fan motor resistor
- B - Retaining nuts
- C - Earth cable

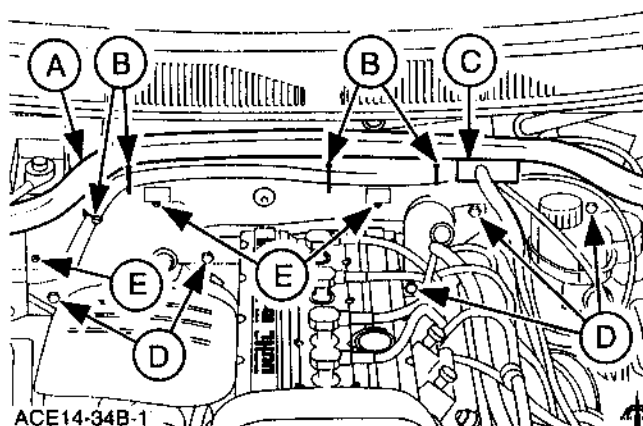


Fig.1. Bulkhead cover.

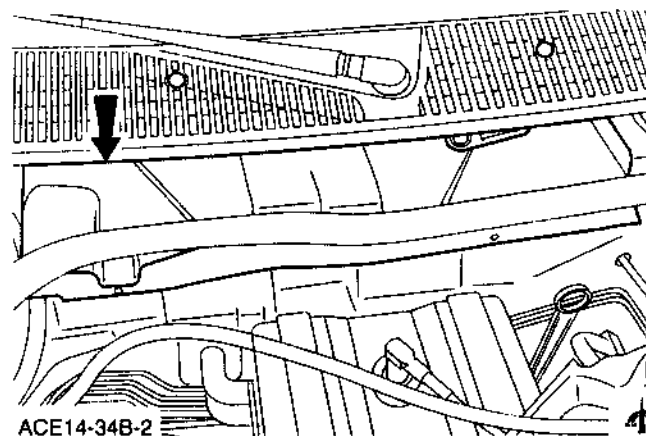


Fig.2. Heater fan cover.

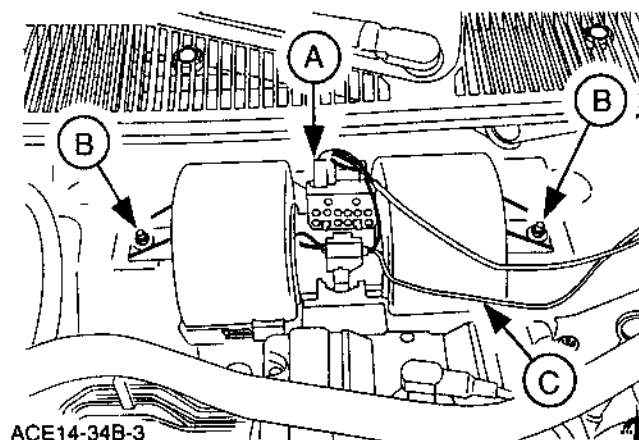


Fig.3. Heater fan.

34 374 0

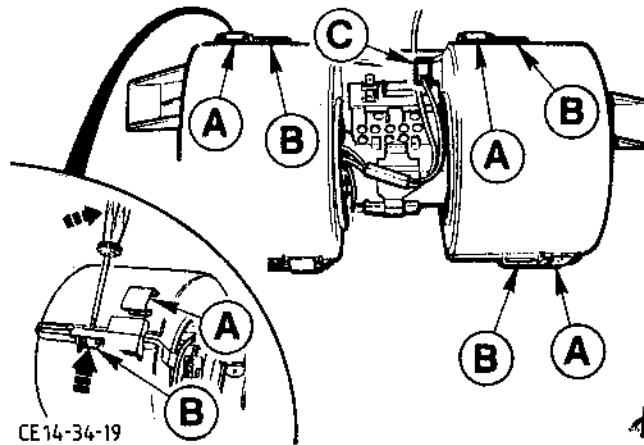
Heating and Ventilation

8. Detach the 2 heater fan housing covers. If necessary, remove the retaining clips (4) and release the retaining lugs using a punch, Fig.4.(A,B).

Fig.4. Heater fan removed

- A - Retaining clips
- B - Retaining lugs
- C - Plug of fan motor resistor

9. Disconnect the plug from the fan motor resistor, Fig.4.(C). Bend up the retaining strap using a screwdriver and pull it off the fan motor with the resistor, Fig.5.(B,C).



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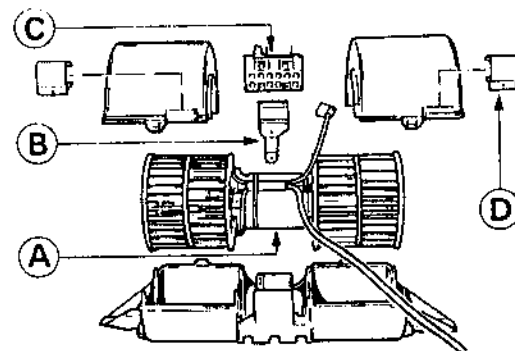
Fig.4. Heater fan removed.

10. Remove the fan motor from the housing, Fig.5.(A).

To Install

11. Fit the fan motor in the housing, Fig.5.(A).

12. Fit the resistor and the retaining strap over the fan motor and secure it, Fig.5.(B,C). Connect the plug to the fan motor resistor, Fig.4.(C).



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Fig.5. Heater fan - exploded view.

- A - Fan motor
- B - Retaining strap
- C - Resistor
- D - Retaining clips

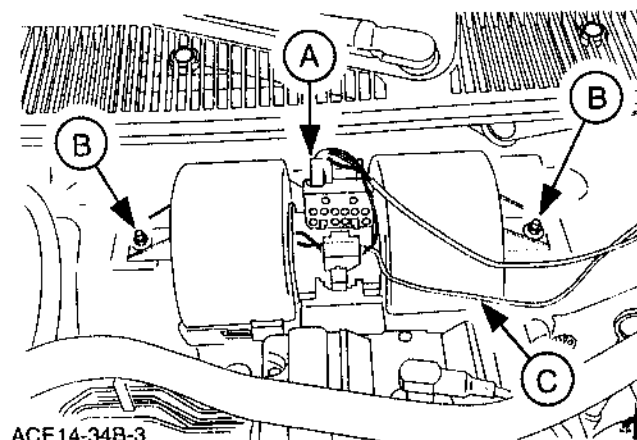
13. Fit the 2 heater fan housing covers and secure them with retaining clips, Fig.4.(A).

NOTE: The retaining lugs must engage, Fig.4.(B).

14. Fit the heater fan in the air plenum chamber and secure it to the cowl panel. Connect the multiplug to the fan motor resistor and screw the earth cable to the body, Fig.6.

Fig.6. Heater fan.

- A - Multiplug of fan motor resistor
- B - Retaining nuts
- C - Earth cable



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Fig.6. Heater fan.

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15. Fit the heater fan cover in the guides,
Fig.7.

16. Fit the cover to the bulkhead, Fig.8.(D,E).

17. Fit the rubber grommet with the wiring loom,
Fig.8.(C).

18. Tie the wiring loom to the bulkhead cover,
Fig.8.(B).

19. Fit the air plenum chamber seal, Fig.8.(A).

20. Connect the battery earth cable.

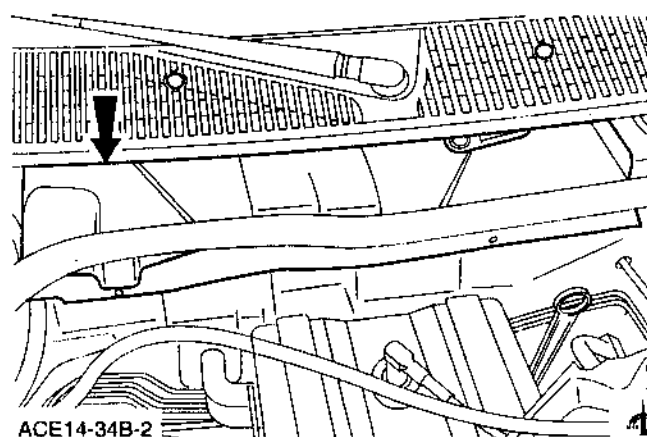


Fig.7. Heater fan cover.

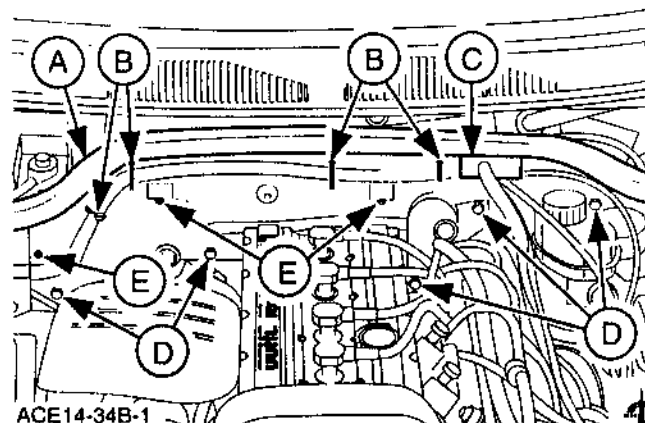


Fig.8. Bulkhead cover.

- A - Seal
- B - Cable ties
- C - Rubber grommet
- D - Hexagon bolts
- E - Torx bolts

34 382 0 RESISTOR - HEATER FAN MOTOR - REPLACE

SPECIAL SERVICE TOOLS REQUIRED: NONE

To Remove

1. Disconnect the battery earth cable.
2. Remove the air plenum chamber seal, Fig.1.(A).

Fig.1. Bulkhead cover.

- A - Seal
- B - Cable ties
- C - Rubber grommet
- D - Hexagon bolts
- E - Torx bolts

3. Cut the cable ties, Fig.1.(B), and detach the wiring loom from the bulkhead cover.
4. Withdraw the rubber grommet and the wiring loom from the bulkhead cover, Fig.1.(C).

NOTE: Do not detach the speedometer drive cable.

5. Detach the cover from the bulkhead (8 bolts), Fig.1.(D,E), pull it forwards and place it on the engine.
6. Withdraw the heater fan cover from the guides and remove it, Fig.2.
7. Disconnect the plug and the multiplug from the fan motor resistor. Lift the retaining tabs of the retaining strap slightly with a screwdriver and detach the resistor, Fig.3.

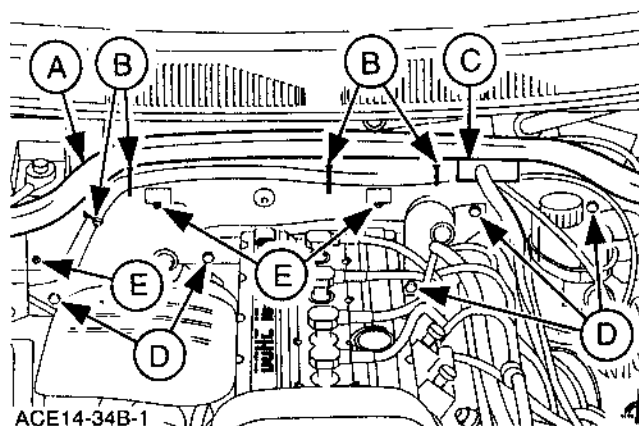


Fig.1. Bulkhead cover.

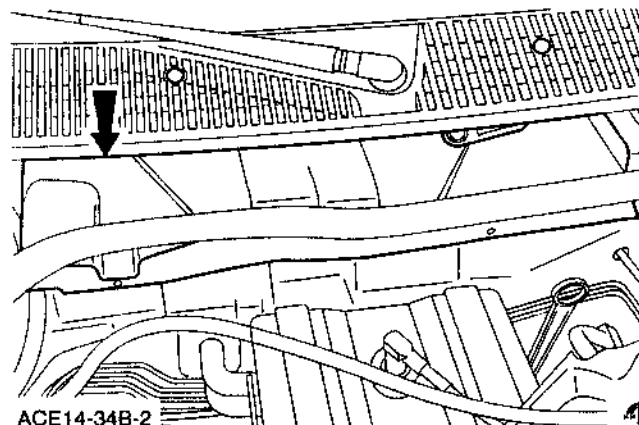


Fig.2. Heater fan cover.

To Install

8. Fit the resistor to the fan motor and fit it to the retaining strap. Connect the plug and the multiplug to the fan motor resistor, Fig.3.

NOTE: The resistor must engage in the retaining strap retaining tabs.

9. Fit the heater fan cover in the guides, Fig.2.
10. Fit the cover to the bulkhead, Fig.1.(D,E).
11. Fit the rubber grommet with the wiring loom, Fig.1.(C).
12. Tie the wiring loom to the bulkhead cover, Fig.1.(B).
13. Fit the air plenum chamber seal, Fig.1.(A).
14. Connect the battery earth cable.

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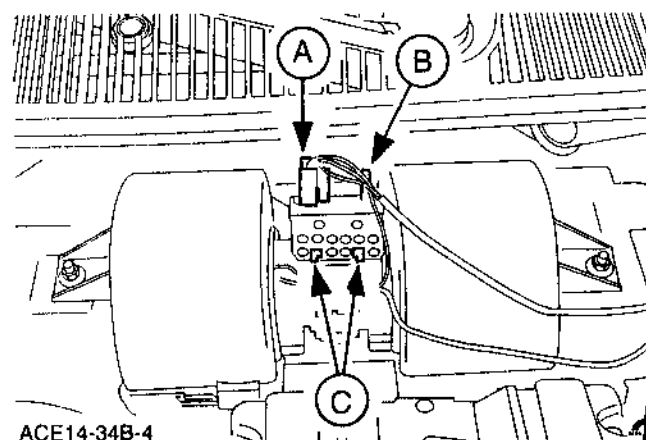


Fig.3. Fan motor resistor.

- A - Multiplug
- B - Plug
- C - Retaining strap retaining tabs

