

TECHNICAL INFORMATION



No: 80/01/01/NAS
Ref:
Issue: 1
Date: 1/05/01

Replace Heater Pipe-to-Core Seal

AFFECTED VEHICLE RANGE:

Range Rover 4.0/4.6 (LP) ALL

SITUATION:

LEAKAGE FROM HEATER PIPE-TO-CORE FITTING REQUIRES SEAL REPLACEMENT

Stress or other influences can cause seepage of coolant from the heater core seals. A simplified work process reduces the required time for the repair.

RESOLUTION:

USE REVISED PROCEDURE TO REPLACE HEATER CORE SEALS

A new method, derived from field experience in the North American market has been written into the approved Workshop processes. Follow the steps outlined in this TIB whenever Range Rover heater core seals are to be replaced.

PARTS INFORMATION:

STC3262Core O-ring Seal Qty 2

WARRANTY CLAIMS:



NOTE: This new operation number and time should be used whenever replacing just the O-rings on a heater core experiencing O-ring seepage.

80.20.25Time 3.00 hrs.
Replace heater core O-rings

FAULT CODE: M

Normal warranty policy and procedures apply

TIB 80/01/00/NAS	CIRCULATE: TO	Service Mgr X	Warranty X	Workshop X	Body Shop X	Parts X
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REPAIR PROCEDURE

REMOVAL

1. Refer to WSM 80.20.25
2. Remove battery cover and disconnect ground.



WARNING: Removal of the filler cap from the coolant expansion tank while the system is hot could release scalding coolant or steam.

3. Remove coolant expansion tank cap.
4. Use hose clamp tools and clamp off heater hoses.
5. Remove heater and air conditioning controls.
6. Remove glove box.
7. Protect carpet from coolant spillage.
8. Use a flashlight to locate the head of the heater pipe clamp retaining screw.



CAUTION: Retaining screw must not be removed from its location.

9. Use a long thin screwdriver and rotate screw to release pipe clamp.
10. Release pipes from heater core.
11. Remove and discard O-rings.

INSTALLATION

1. Clean heater pipes and mating face on heater core.
2. Install new O-rings onto pipes. (Figure 1)
3. Install pipes into heater core openings.
4. Position pipe clamp, using clamp guides to ensure correct alignment, and tighten the screw.
5. Remove hose clamp tools.
6. Top up cooling system.
7. Pressurize cooling system and check for leaks.
8. Replace glove box.
9. Replace heater and air conditioning controls.
10. Connect battery ground lead and install battery cover.

Figure 1

