



Technical Service Bulletin

No.JTB00183
01 December 2009

Subject/Concern:	Air Conditioning (A/C) System Not Cooling Sufficiently
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Models:		
S-TYPE	V6 Gasoline Vehicles Only	V6 Gasoline Vehicles Only VIN-range: L00600-N91220
X-TYPE	V6 Gasoline Vehicles Only	V6 Gasoline Vehicles Only VIN-range: C00344 Onwards

Markets: All

Section: 412-03

Summary:
A/C system not cooling sufficiently/poor operation.
Cause: Degradation of control valve operation preventing system from delivering full functional potential. Suggested Customer Concern Code - C02.
NOTE: The Service Instruction is for vehicles that have the Compressor valve fitted only.
Action: Should a customer express concern, and after checking that there are no A/C leaks or the system is not low on gas. Follow the Service Instruction outlined below.

Parts Required:		
Description	Part Number	Quantity
Compressor 'O' ring seal	XR8 1342	1

Labour Time:		
Operation Description	Operation No.	Time
Compressor Valve Spring Modification - S-TYPE - VIN L00600 to M44997	82.91.34	0.2 hours
Compressor Valve Spring Modification - S-TYPE - VIN M44998 Onwards	82.91.34	0.4 hours
Compressor Valve Spring Modification - X-TYPE - VIN C00344 Onwards	82.91.34	0.2 hours
AC System Recover, Recycle and Regas	82.30.30	0.4 hours

Repair/Claim Coding:	
Causal Part:	C2S 47472
ACES Condition Code:	42
Defect Code:	

Service Instruction

1. Carry out the air conditioning (A/C) system recovery procedure (see Global Technical Reference GTR Workshop Manual, section 412-00).
2.  **WARNING: Do not work on or under a vehicle supported only by a jack. Always support the vehicle on safety stands.**

Raise and support the vehicle.
3. **NOTE:** S-TYPE - VIN M44998 Onwards Only. All other vehicles, carry on from step 4.

Remove the air deflector (see Global Technical Reference GTR Workshop Manual, section 501-02).

- 4 .  **CAUTION:** Make sure that the area around the component is clean and free of foreign material.

NOTE: Position cloth to collect fluid spillage.

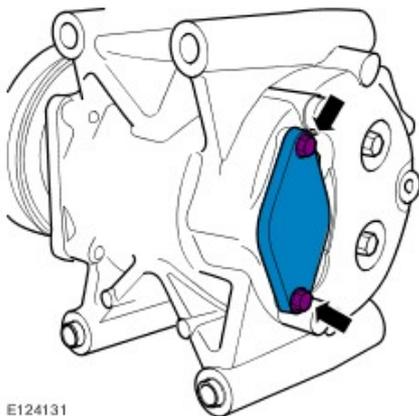
NOTE: Component shown removed from vehicle for clarity.

NOTE: Note the fitted position of the component.

Remove the A/C compressor valve cover.

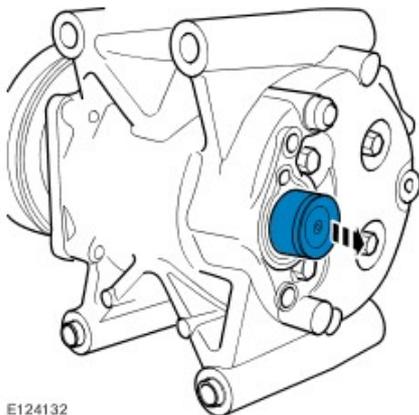
1 Using a suitable marker, mark the component to aid correct installation.

2 Remove the 2 bolts.

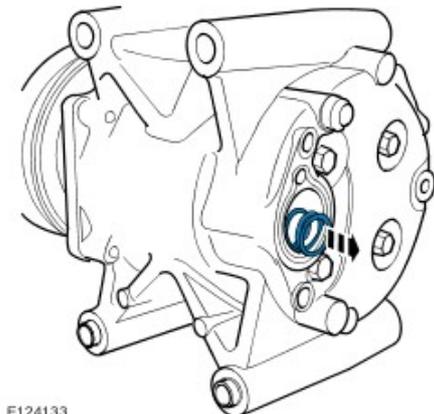


- 5 . **NOTE:** Note the fitted position of the component.

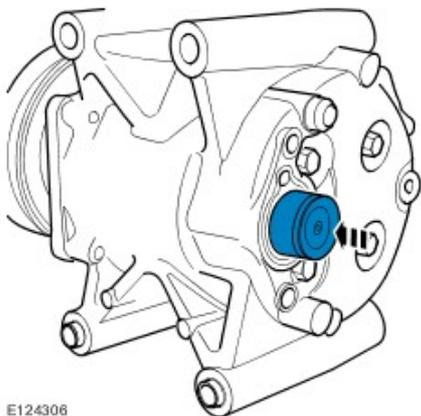
Remove the A/C compressor valve.



- 6 . Remove the A/C compressor valve spring.



- 7 . Install the A/C compressor valve.



E124306

- 8 . Install the A/C compressor valve spring.



E124135

- 9 .  **CAUTION:** Make sure that the mating faces are clean and free from foreign material.

 **CAUTION:** Inspect the Compressor 'O' ring seal for damage and mis-alignment, replace if necessary.

 **CAUTION:** Make sure that the component is correctly aligned.

NOTE: X-TYPE Only, A crow foot adaptor is required for this step.

Install the A/C compressor valve spring cover.

1 If required, install a new Compressor 'O' ring seal.

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2 Evenly and progressively tighten the bolts to 15 Nm.

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- 10 . **NOTE:** S-TYPE - VIN M44998 Onwards Only. All other vehicles, carry on from step 11.

Install the air deflector (see Global Technical Reference GTR Workshop Manual, section 501-02).

- 11 . Carry out the A/C system evacuation and charging procedure (see Global Technical Reference GTR Workshop Manual, section 412-00).