

PUBLISHED: 11-MAY-2011
2010.0 RANGE ROVER SPORT (LS), 412-03

AIR CONDITIONING - TDV8 3.6L DIESEL

CONDENSER CORE (G942451)

REMOVAL AND INSTALLATION

82.15.07	CONDENSER - RENEW	3000 CC, TDV6	4.2	USED WITHINS
82.15.07	CONDENSER - RENEW	5000 CC, AJ V8, NATURALLY ASPIRATED	2.8	USED WITHINS
82.15.07	CONDENSER - RENEW	5000 CC, AJ V8, SUPERCHARGED	2.7	USED WITHINS
82.15.07	CONDENSER - RENEW	AJ V8, NATURALLY ASPIRATED	2.9	USED WITHINS
82.15.07	CONDENSER - RENEW	AJ V8, SUPERCHARGED	3.7	USED WITHINS
82.15.07	CONDENSER - RENEW	TDV8	2.9	USED WITHINS

REMOVAL

1. Disconnect the battery ground cable. For additional information, refer to: Specifications (414-00, Specifications).

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.

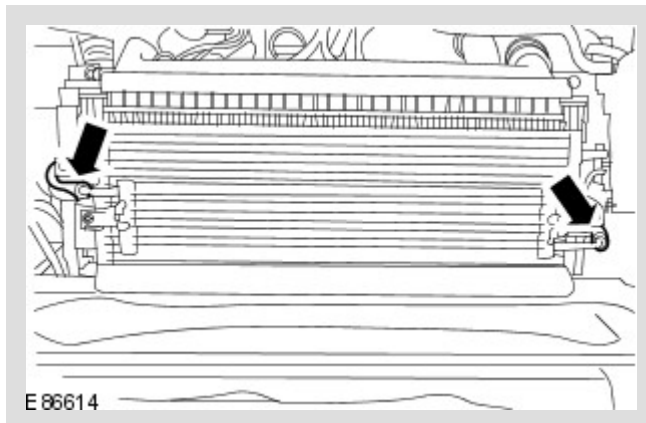
3. Recover the air conditioning (A/C) refrigerant. For additional information, refer to: Air Conditioning System Recovery, Evacuation and Charging (412-00, General Procedures).

4. Remove the hood latch panel. For additional information, refer to: Hood Latch Panel (501-27, Removal and Installation).

5.

⚠ CAUTION:

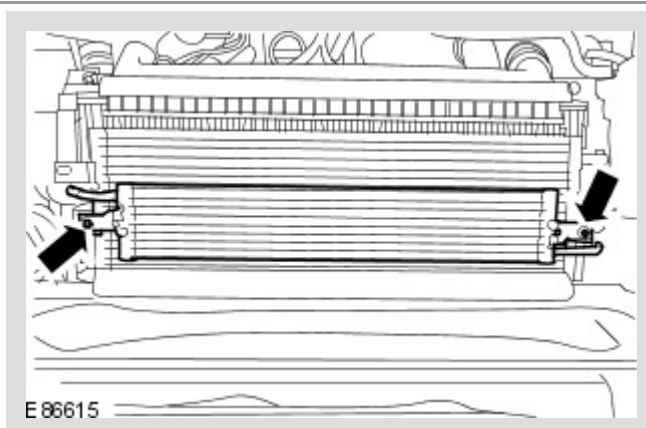
Make sure that all openings are sealed. Use new blanking caps.



Disconnect the 2 coolant pipes from the auxiliary radiator.

Release the 2 quick release connectors.

6.



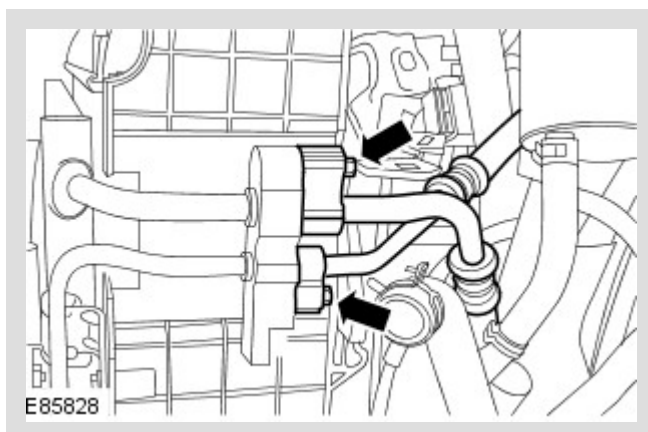
Remove the auxiliary radiator.

Remove the 2 bolts.

7.

! CAUTION:

Make sure that all openings are sealed. Use new blanking caps.



Disconnect the 2 A/C refrigerant lines.

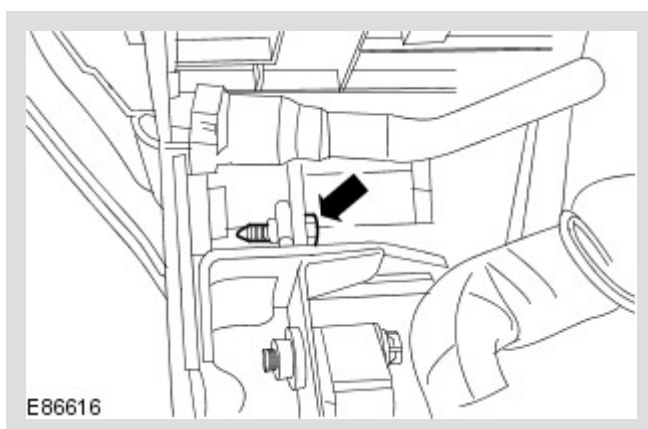
Remove the 2 bolts.

Remove and discard the 2 O-ring seals.

8.

△ NOTE:

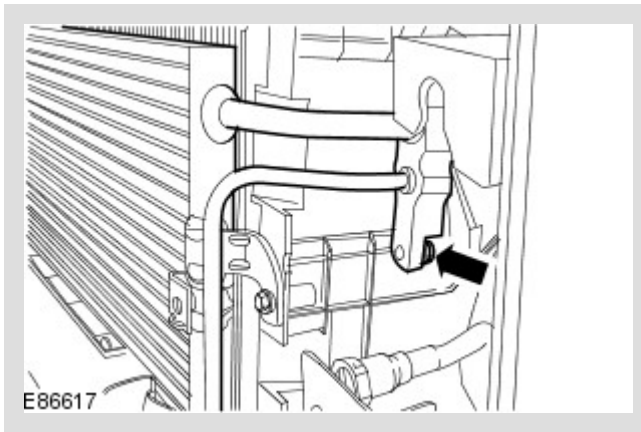
LH illustration shown, RH is similar.



Release the air duct from the cooling module.

Remove the 2 screws.

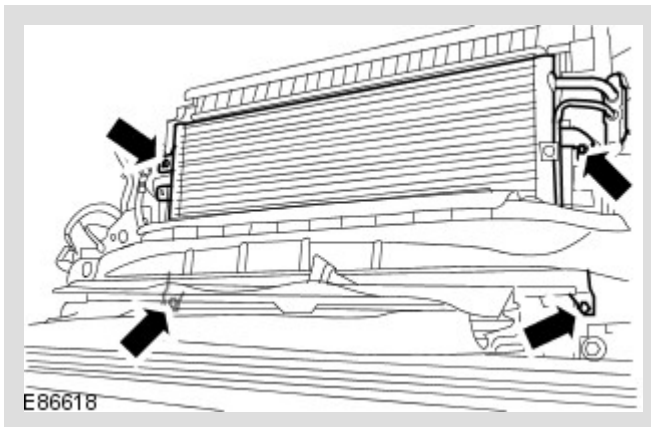
9.



Release the A/C refrigerant lines bracket.

Remove the bolt.

10.



Remove the condenser core.

Remove the 4 bolts.

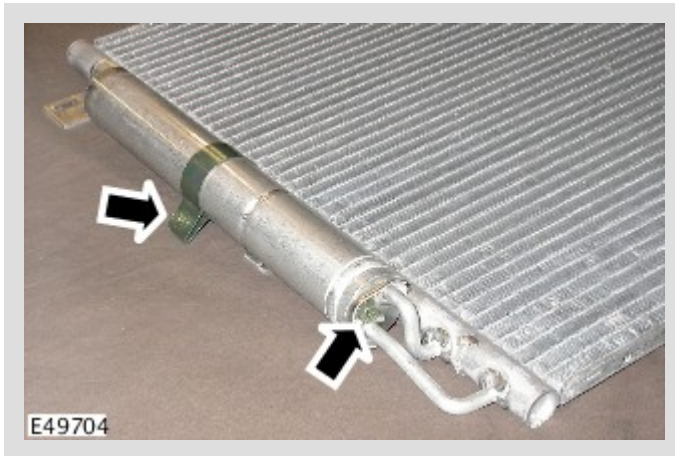
11.

⚠ CAUTION:

Make sure that all openings are sealed. Use new blanking caps.

△ NOTE:

Do not disassemble further if the component is removed for access only.



Remove the receiver drier.

Remove the receiver drier support bracket clamp.

Remove the bolt.

Remove the clamp.

Remove and discard the 2 O-ring seals.

INSTALLATION

1.

NOTES:

- Lubricate the O-ring seals with clean refrigerant oil.
- Remove and discard the blanking caps.

Install the receiver drier.

Install new O-ring seals.

Install the clamps.

Tighten the bolt to 10 Nm (7 lb.ft).

2. Install the condenser core.

Tighten the bolts to 8 Nm (6 lb.ft).

3.


Secure the A/C refrigerant lines bracket.

Tighten the bolt to 8 Nm (6 lb.ft)

4. Secure the air duct to the cooling module.

Tighten the screws.

5.

 **NOTES:**

- Remove and discard the blanking caps.
- Lubricate the O-ring seals with clean refrigerant oil.

Connect the A/C condenser refrigerant lines.


Install new O-ring seals.

Tighten the bolts to 10 Nm (7 lb.ft).

6. Install the auxiliary radiator.

Tighten the bolts to 10 Nm (7 lb.ft).

7.

 **NOTE:**

Remove and discard the blanking caps.

Connect the coolant pipes to the auxiliary radiator.

8. Install the hood latch panel. For additional information, refer to: Hood Latch Panel (501-27, Removal and Installation).

9. Recharge the A/C system. For additional information, refer to: Air Conditioning System Recovery, Evacuation and Charging (412-00, General Procedures).

10. Connect the battery ground cable. For additional information, refer to: Specifications (414-00, Specifications).

11. Check and top up the coolant.