

ENGINE COOLING - V8 N/A 5.0L PETROL/V8 S/C 5.0L PETROL

COOLING SYSTEM DRAINING, FILLING AND BLEEDING - V8 S/C 5.0 L PETROL (G1193788)

GENERAL PROCEDURES

26.10.01	COOLANT - DRAIN AND REFILL	5000 CC, AJ V8, SUPERCHARGED	2.5	USED WITHINS
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DRAINING

1.



WARNING:

Make sure to support the vehicle with axle stands.

Raise and support the vehicle.

2.

Refer to: Secondary Bulkhead Center Panel (501-02 Front End Body Panels, Removal and Installation).

3.

Refer to: Air Deflector (501-02 Front End Body Panels, Removal and Installation).

4.

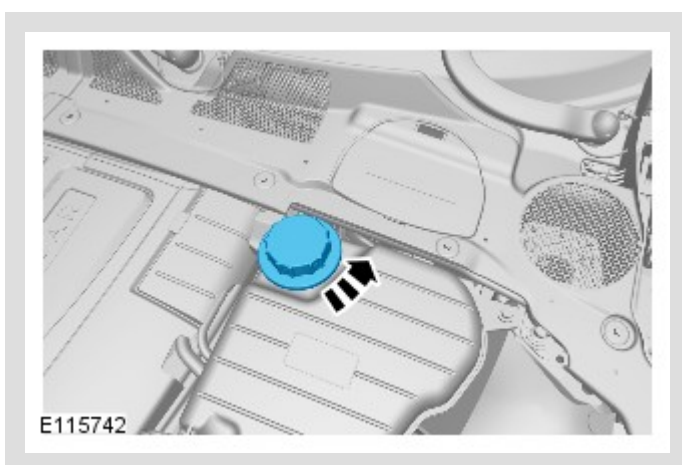
Refer to: Radiator Splash Shield (501-02 Front End Body Panels, Removal and Installation).

**WARNINGS:**

- Release the cooling system pressure by slowly turning the coolant expansion tank cap a quarter of a turn. Cover the expansion tank cap with a thick cloth to prevent the possibility of scalding. Failure to follow this instruction may result in personal injury.
- Be prepared to collect escaping fluid.

**CAUTION:**

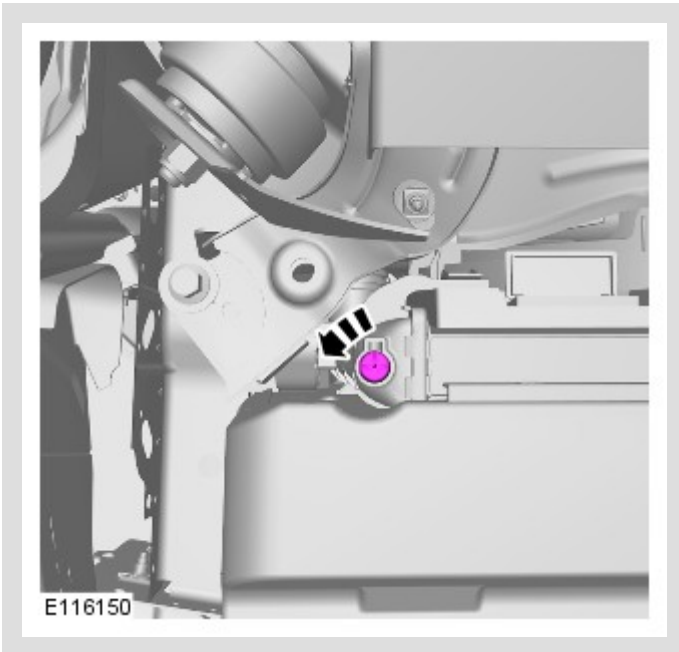
Since injury such as scalding could be caused by escaping steam or coolant, make sure the vehicle cooling system is cool prior to carrying out this procedure.



6.

⚠ CAUTION:

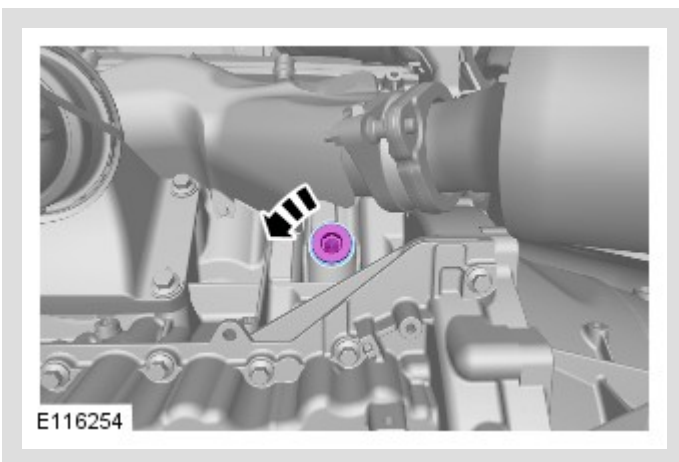
Be prepared to collect escaping fluids.



7.

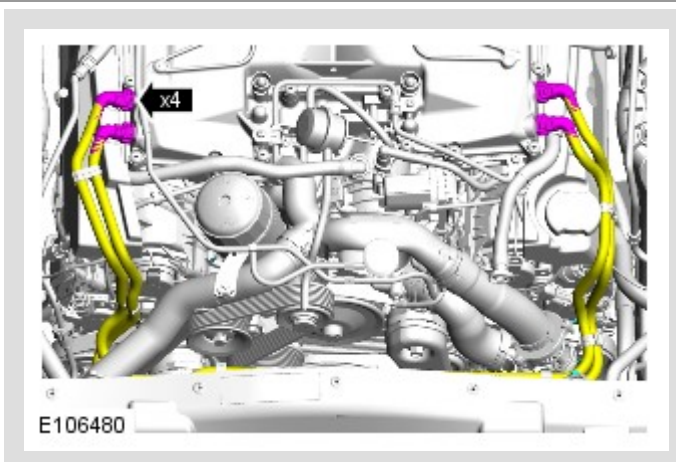
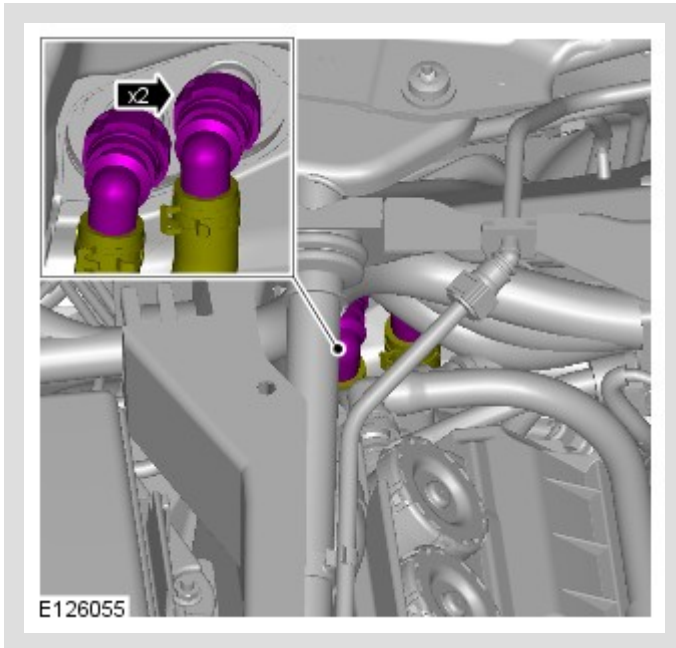
⚠ CAUTION:

Be prepared to collect escaping fluids.

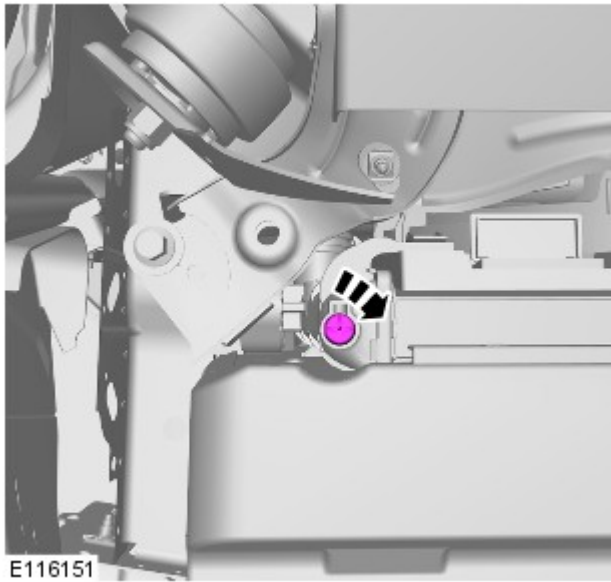


⚠ CAUTION:

Be prepared to collect escaping coolant.

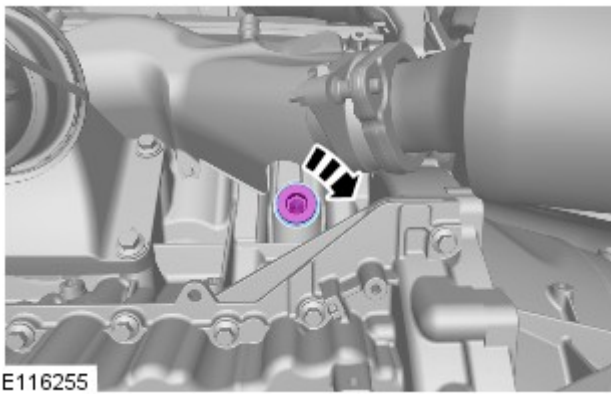


10.



Torque: 2 Nm

11.

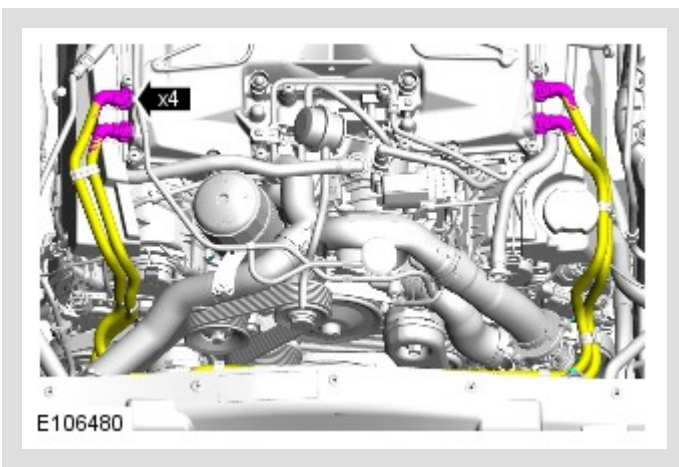


Torque: 50 Nm

12. Carry out the procedure up to step 1 in the filling section three times, filling the cooling system with clean water at the first two drains. At the third refill, use a suitable measuring tool to make sure that the cooling system maintains a 50% mix.

FILLING

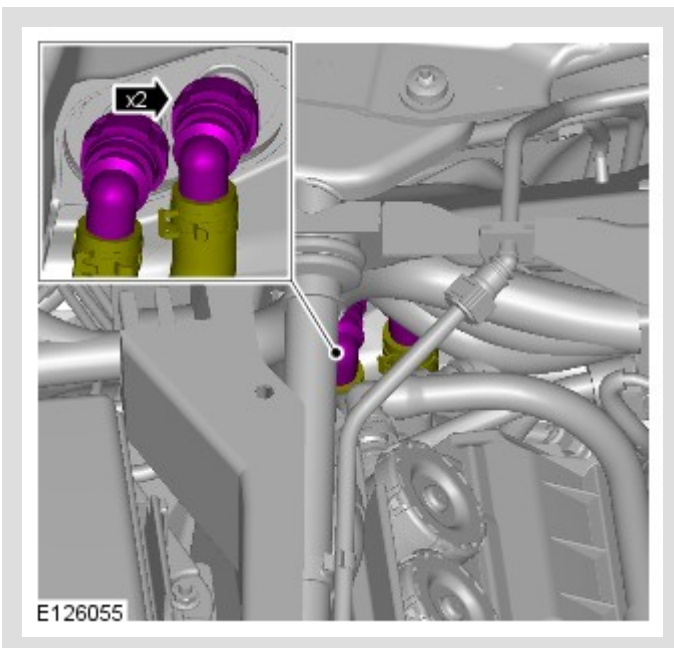
1.



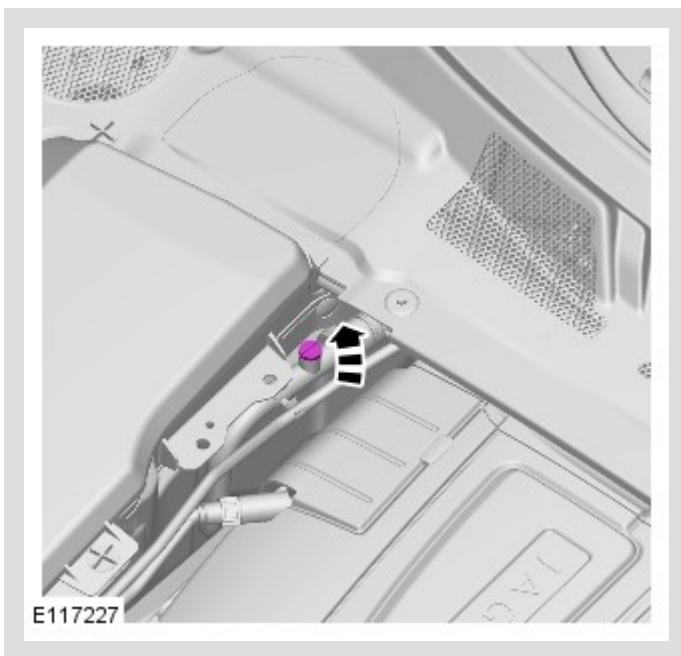
2.

⚠ CAUTION:

Be prepared to collect escaping coolant.



3.



4.

⚠ CAUTION:

Be prepared to collect escaping coolant.



Fill the cooling system, keeping coolant to the upper level mark of the expansion tank until a steady stream of coolant is seen running from the coolant hose bleed point.

5. Continue to fill the coolant until the maximum level is reached.

6. Set the heater controls to maximum.

7. Start engine and increase speed to 2000 rpm for 2 minutes.

8.

- Continue to top-up with coolant with engine idling until hot air is emitted from face vents.
- When hot air is emitted from the vents, switch the heater off. Go to Step 10.

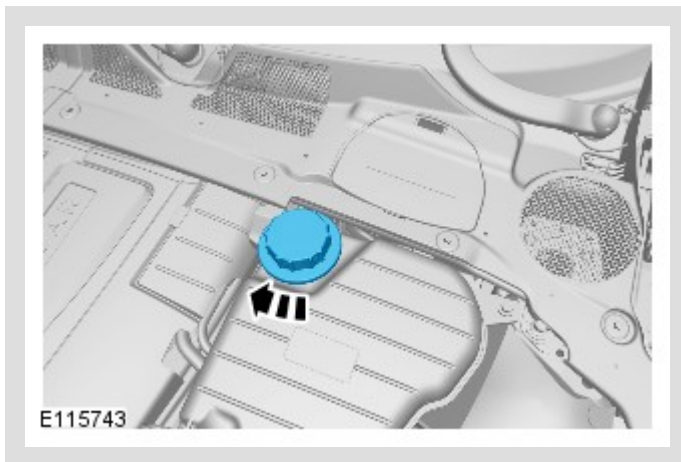
9.

If no hot air is emitted, turn the engine off for 10 seconds and then start the engine and return to Step 7.

10.

ⓘ CAUTION:

Correct installation of the coolant expansion tank cap can be obtained by tightening the cap until 3 audible clicks are heard.



Continue to fill the coolant until the maximum level is reached.

11.

Switch the heater off.

12.

Raise the engine speed to 2000 rpm for eight minutes.

13.

Switch the engine off and allow to cool.

14.

Visually check the engine and cooling system for signs of coolant leakage.

15.



WARNING:

When releasing the cooling system pressure, cover the coolant expansion tank cap with a thick cloth.



CAUTIONS:

- Since injury such as scalding could be caused by escaping steam or coolant, make sure the vehicle cooling system is cool prior to carrying out this procedure.
- Make sure the coolant level remains above the "COLD FILL RANGE" lower level mark.



NOTE:

When the cooling system is warm, the coolant will be approximately 10mm above the upper level mark on the expansion tank with the cap removed.

Check and top-up the coolant system as required when cool.

16.

Refer to: Air Deflector (501-02 Front End Body Panels, Removal and Installation).

17.

Refer to: Radiator Splash Shield (501-02 Front End Body Panels, Removal and Installation).

18.

Refer to: Secondary Bulkhead Center Panel (501-02 Front End Body Panels, Removal and Installation).