


INTAKE AIR DISTRIBUTION AND FILTERING - V8 S/C 5.0L PETROL


**SUPERCHARGER** (G1581717)

REMOVAL AND INSTALLATION

18.50.15	<b>SUPERCHARGER ASSEMBLY - RENEW</b>	5000 CC, AJ V8	3.3	<b>USED WITHINS</b>
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SPECIAL TOOL(S)

 E115267	<b>303-1449-01</b> Supercharger Installation Guide Pins - Threaded
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 E115267	<b>303-1449-02</b> Supercharger Installation Guide Pins - Unthreaded
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PART(S)

STEP	PART NAME	QUANTITY
Installation Step 6	Supercharger to cylinder head gaskets	1

## REMOVAL

### CAUTION:

If a new cylinder head has been installed, then new taptite bolts must be used to install the supercharger.

### NOTES:

- New taptite bolts when used cut their own threads on the first application.
- Some variation in the illustrations may occur, but the essential information is always correct.

1. Refer to: Battery Disconnect and Connect (414-01 Battery, Mounting and Cables, General Procedures).

2.

### WARNING:

Do not work on or under a vehicle supported only by a jack. Always support the vehicle on safety stands.

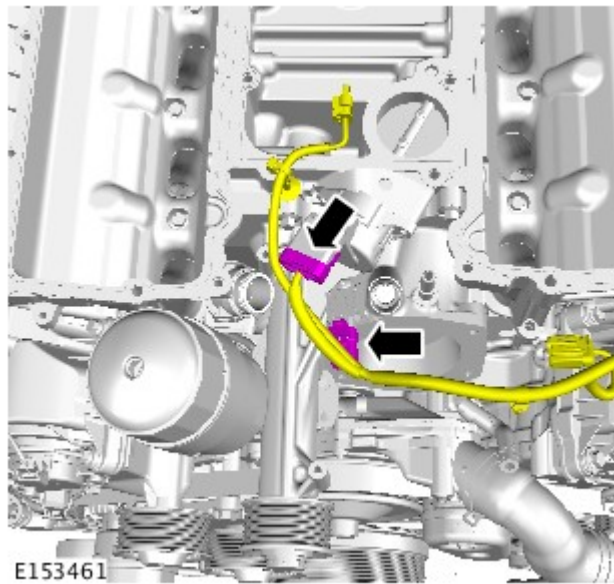
Raise and support the vehicle.

3. Refer to: Charge Air Cooler (303-12 Intake Air Distribution and Filtering - V8 S/C 5.0L Petrol, Removal and Installation).

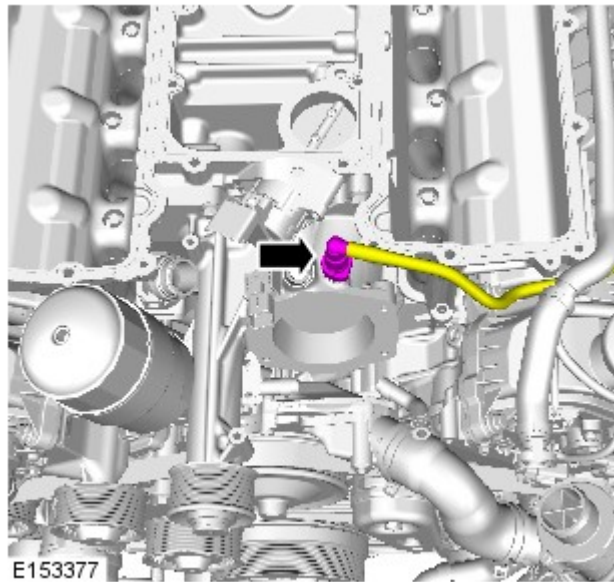
4. Refer to: Throttle Body (303-04 Fuel Charging and Controls - V8 S/C 5.0L Petrol, Removal and Installation).

5. Refer to: Supercharger Belt (303-05 Accessory Drive - V8 S/C 5.0L Petrol, Removal and Installation).

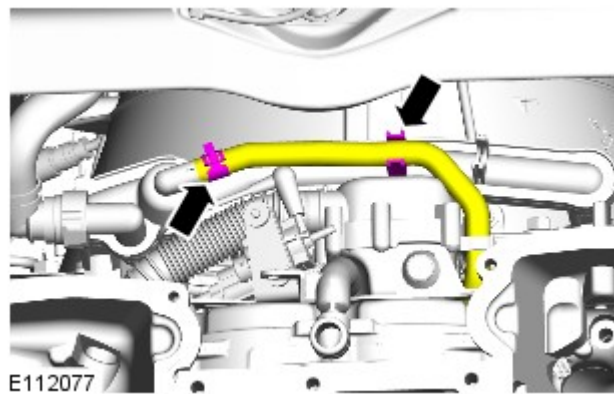
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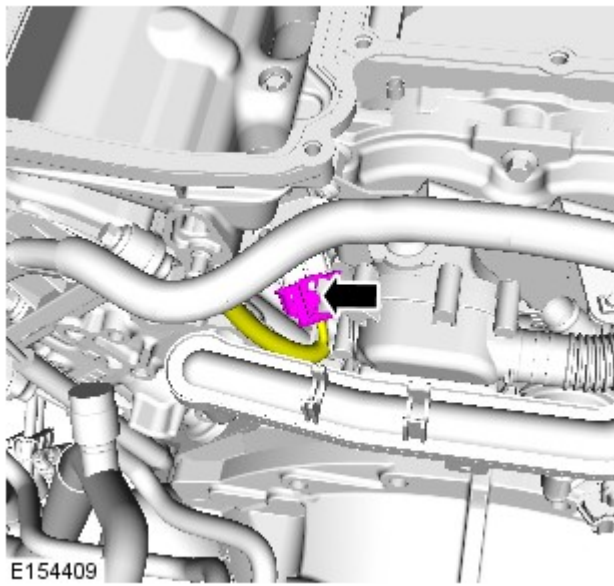
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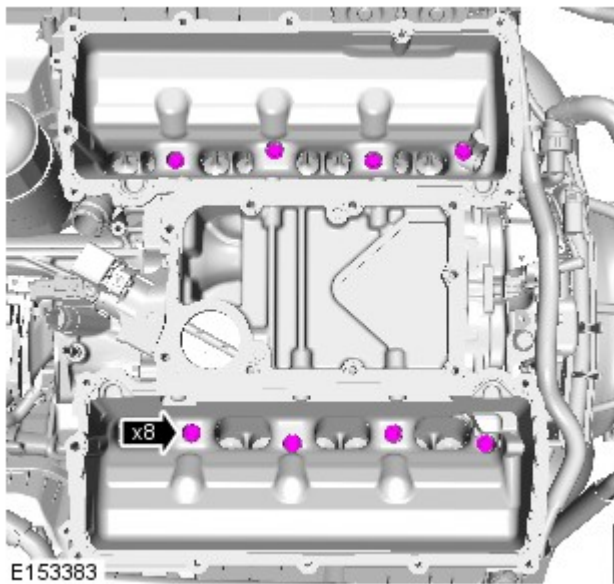
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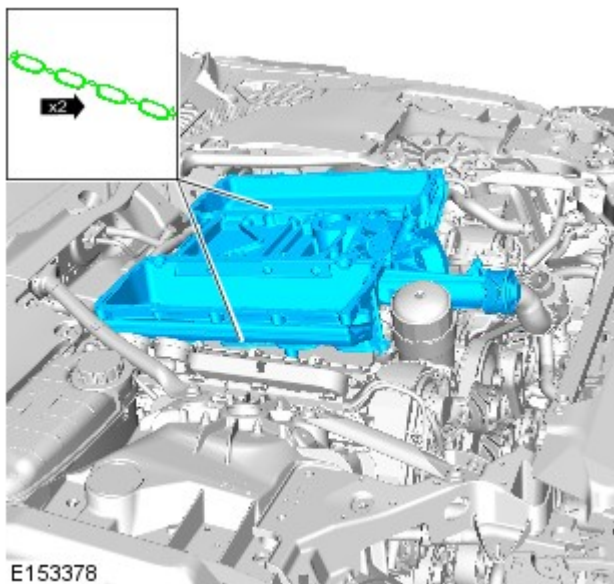
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10.




11.

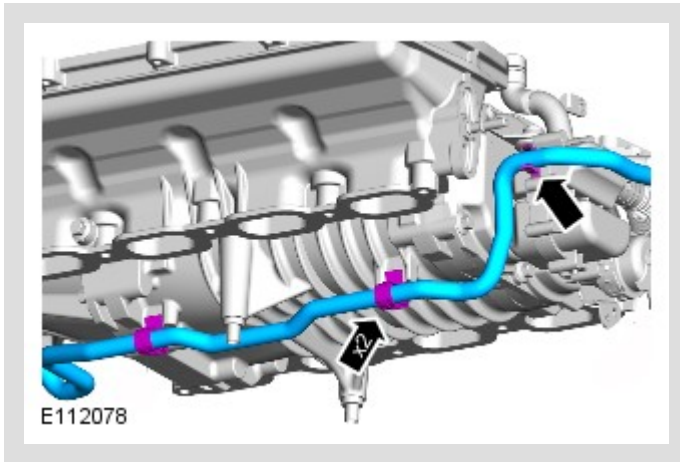


- Discard the gaskets.

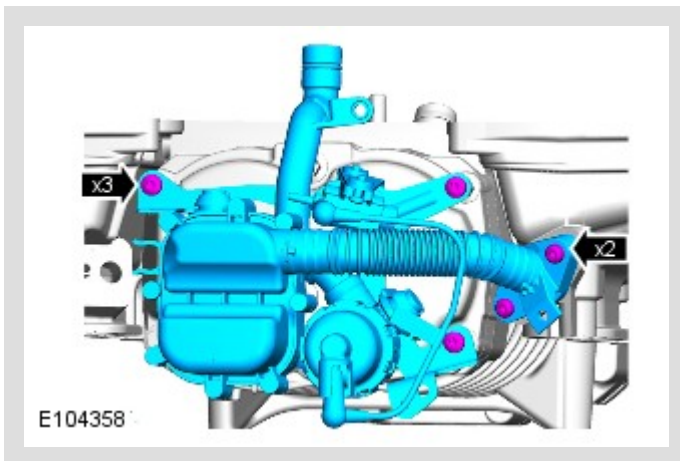
12.

 NOTE:

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

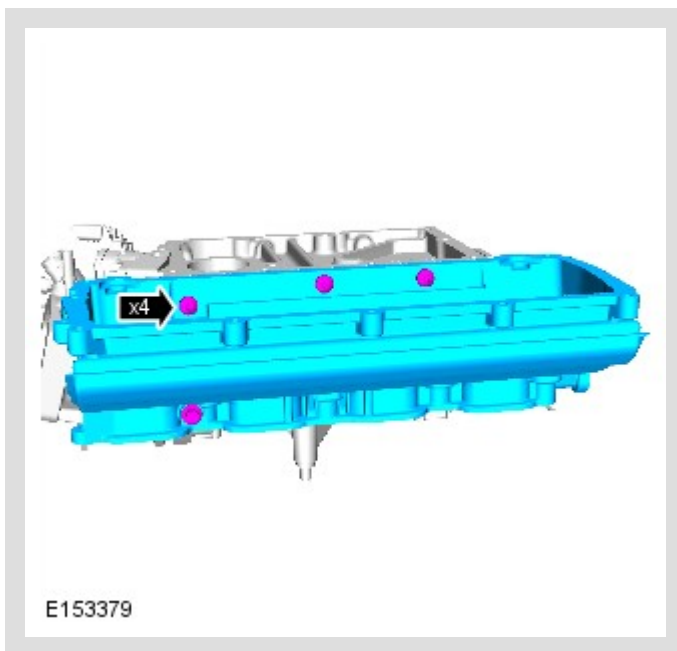


13.



14.





## INSTALLATION

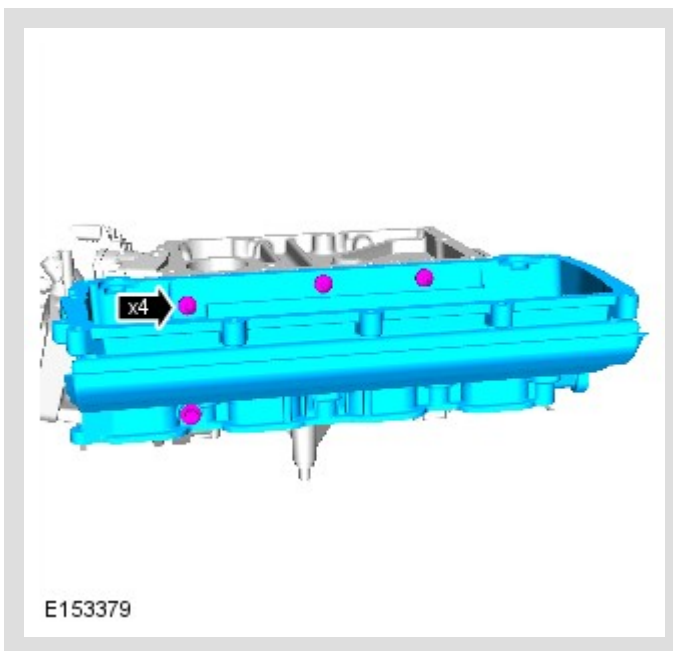
### ⚠ CAUTION:

If a new cylinder head has been installed, then new taptite bolts must be used to install the supercharger.

### ⚠ NOTE:

New taptite bolts when used cut their own threads on the first application.

1.



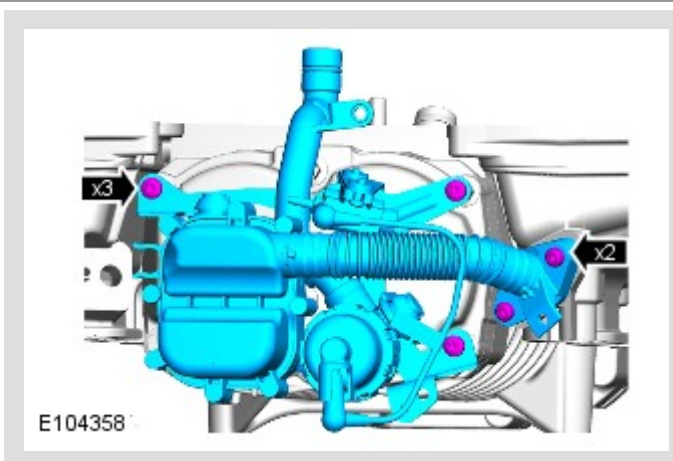
*Torque: 25 Nm*

2.



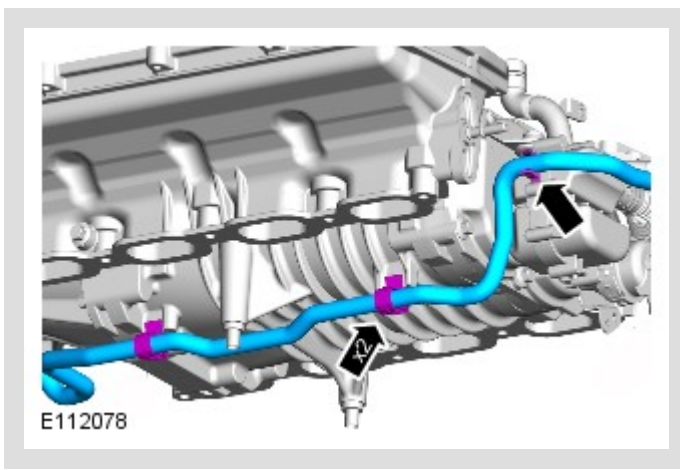
*Torque: 25 Nm*

3.



*Torque: 10 Nm*

4.



5.



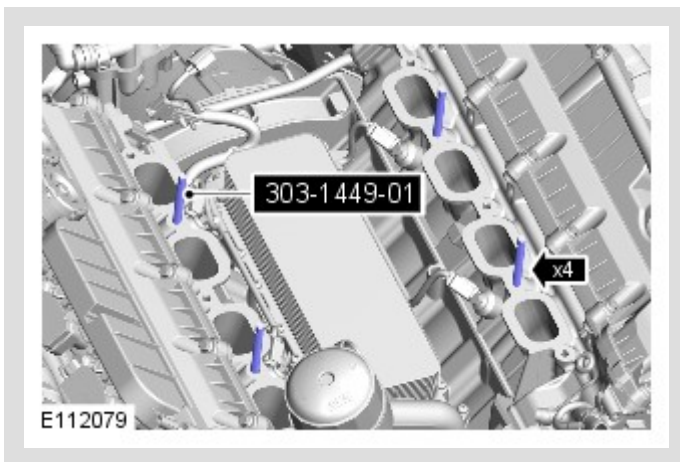
#### CAUTIONS:

- If a new cylinder head has been installed then the special tool 303-1449-02 without the thread must be used to install the supercharger.
- If a new cylinder head has been installed, then new taptite bolts must be used to install the supercharger.



#### NOTE:

New taptite bolts when used cut their own threads on the first application.



Special Tool(s): [303-1449-01](#) , [303-1449-02](#)

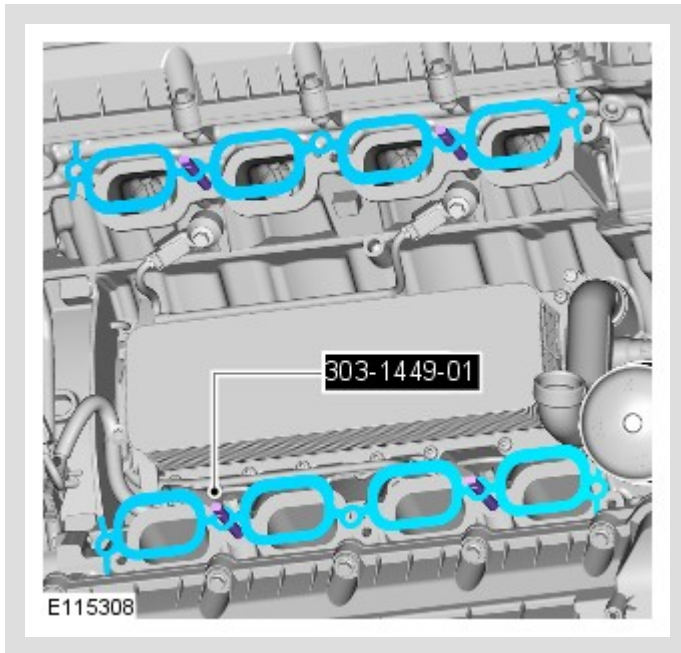


**⚠ CAUTION:**

Make sure that the mating faces are clean and free of foreign material.

**△ NOTE:**

Install new gaskets.



Renew Part: *Supercharger to cylinder head gaskets* Quantity: 1 .

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7.

**⚠ CAUTION:**

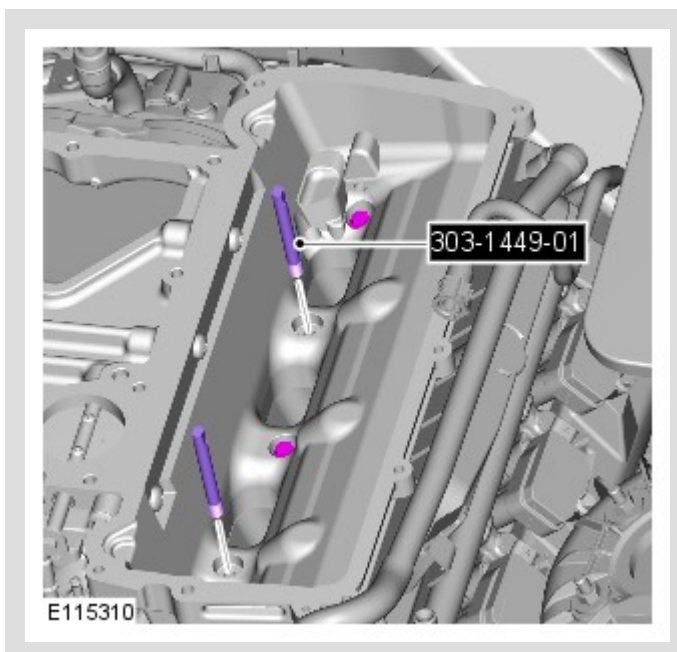
Make sure that the mating faces are clean and free of foreign material.



8.

**⚠ NOTES:**

- Left-hand shown, right-hand similar.
- Repeat the procedure for the other side.

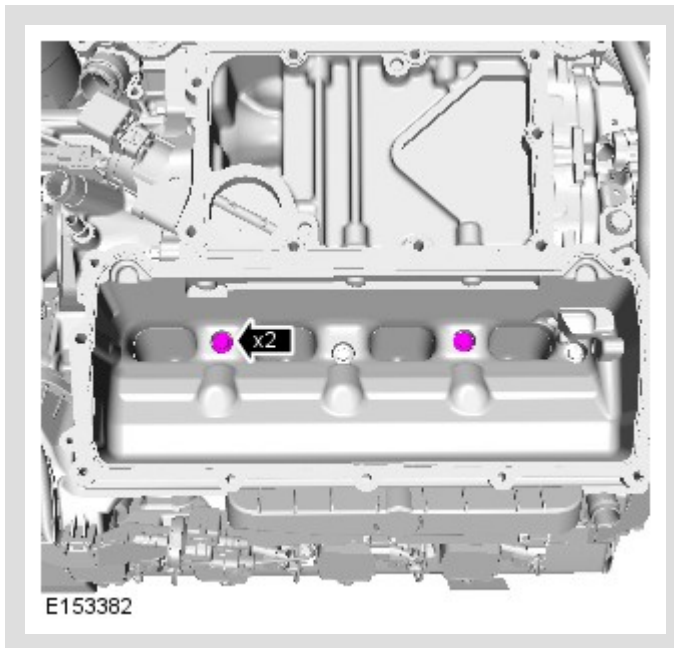


*Special Tool(s):* 303-1449-01 , 303-1449-02

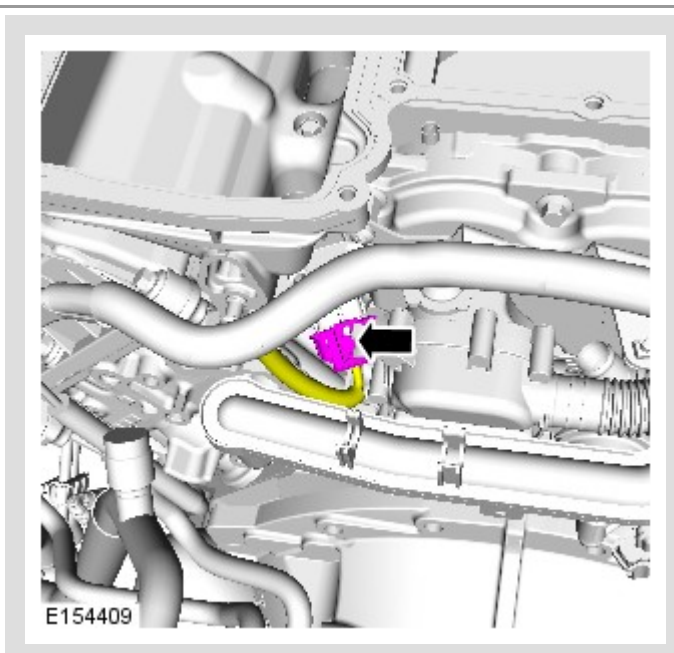
*Torque:* 25 Nm

 NOTES:

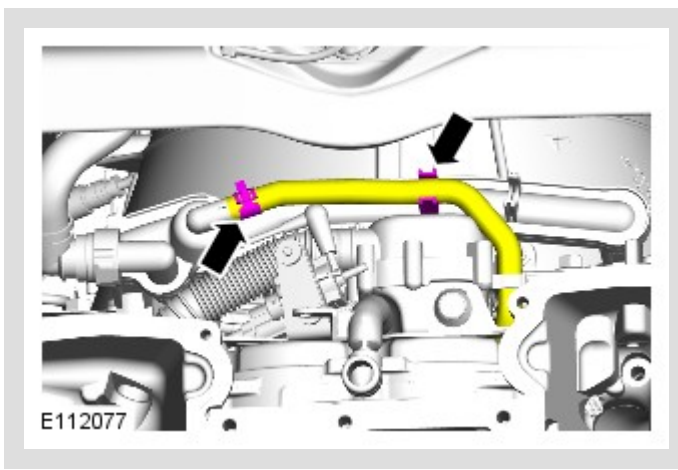
- Left-hand shown, right-hand similar.
- Repeat the procedure for the other side.



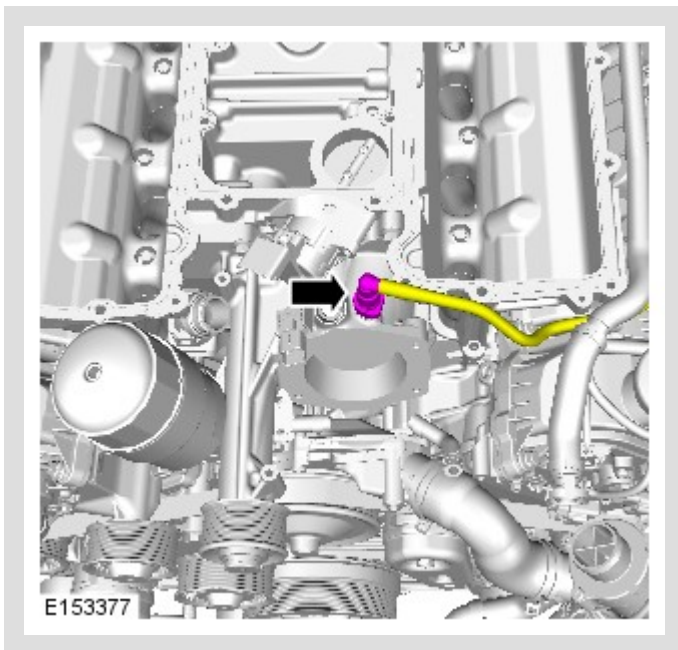
*Torque: 25 Nm*



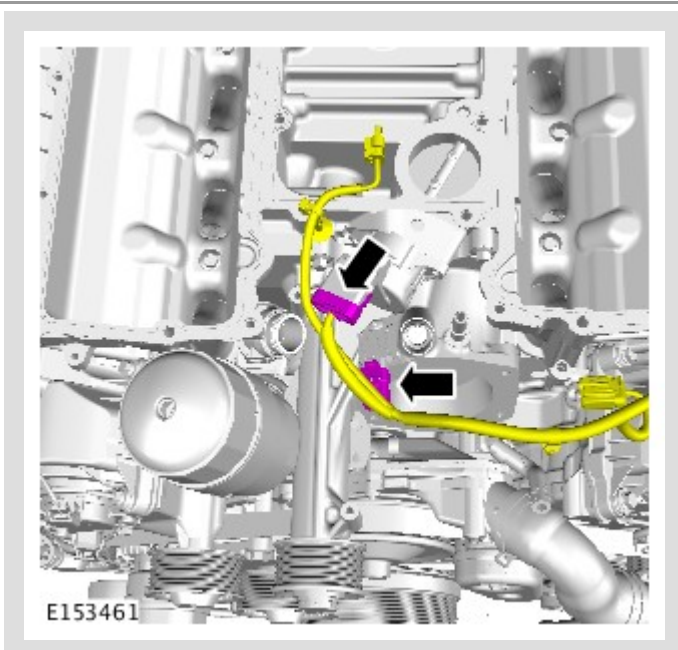
11.



12.



13.



14. Refer to: Supercharger Belt (303-05 Accessory Drive - V8 S/C 5.0L Petrol, Removal and Installation).

15. Refer to: Throttle Body (303-04 Fuel Charging and Controls - V8 S/C 5.0L Petrol, Removal and Installation).

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16. Refer to: Charge Air Cooler (303-12 Intake Air Distribution and Filtering - V8 S/C 5.0L Petrol, Removal and Installation).

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17. Refer to: Battery Disconnect and Connect (414-01 Battery, Mounting and Cables, General Procedures).