

PUBLISHED: 20-JUN-2014
2011.0 RANGE ROVER (LM), 303-12

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

SUPERCHARGER SPRING ISOLATOR

(G1702598)

REMOVAL



CAUTION:

Make sure that all open ports are covered to prevent any foreign material ingress.



NOTE:

Some variation in the illustrations may occur, but the essential information is always correct.

1.



WARNING:

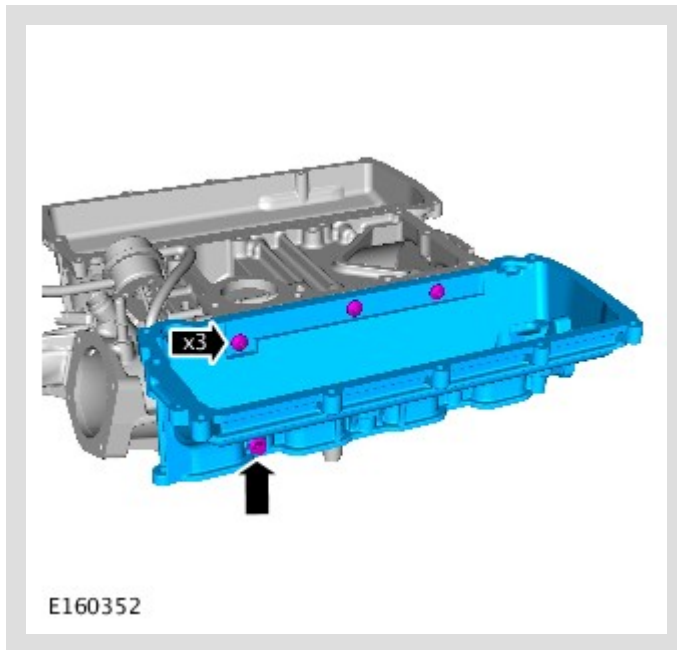
Make sure to support the vehicle with axle stands.

Raise and support the vehicle.

2.

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

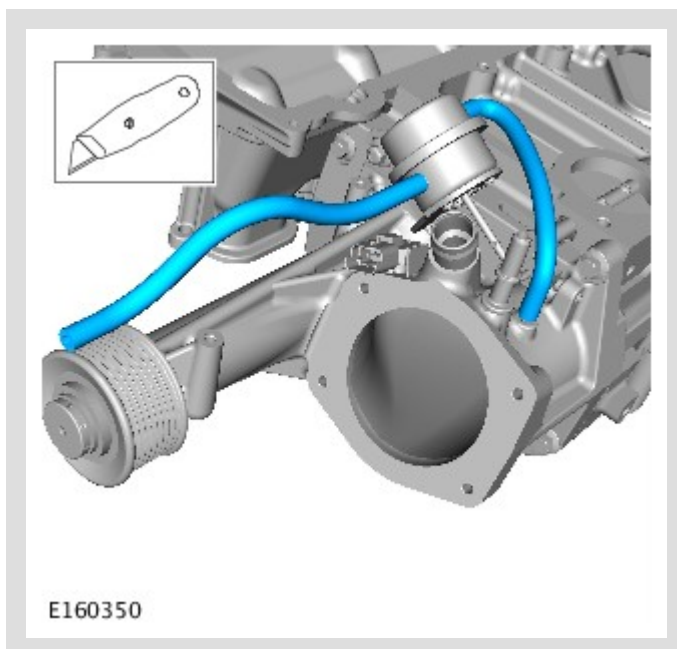
3.



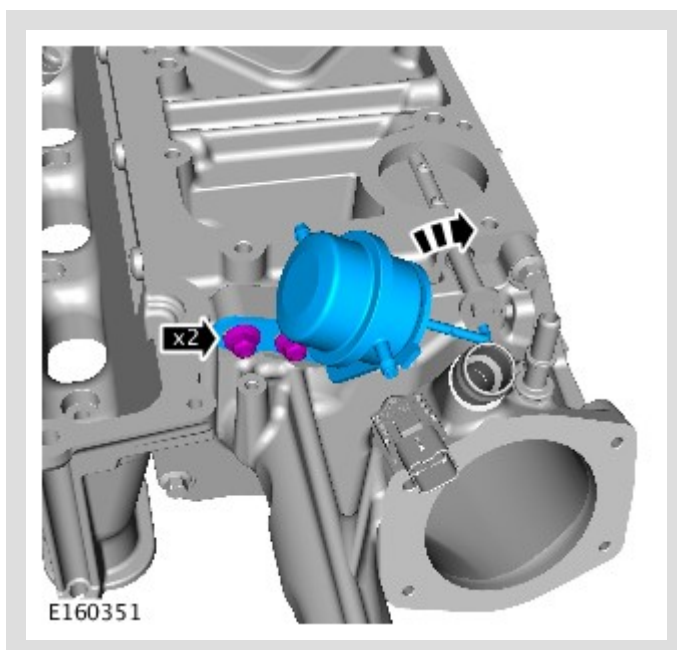
4.

 NOTES:

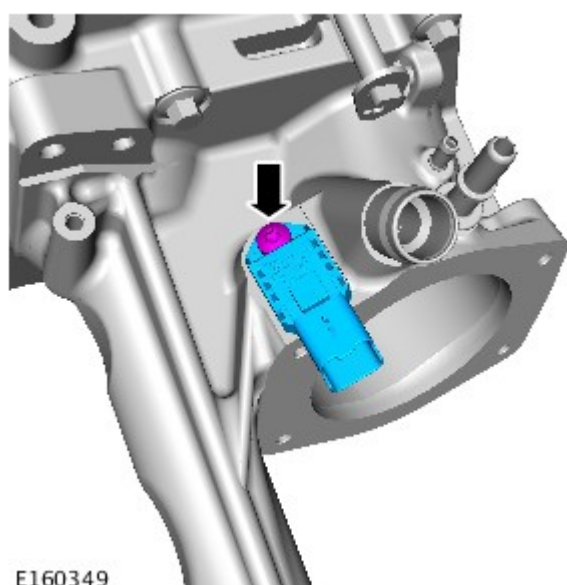
- Note the orientation prior to removal.
- Hoses must be cut off to prevent damage to the actuator.



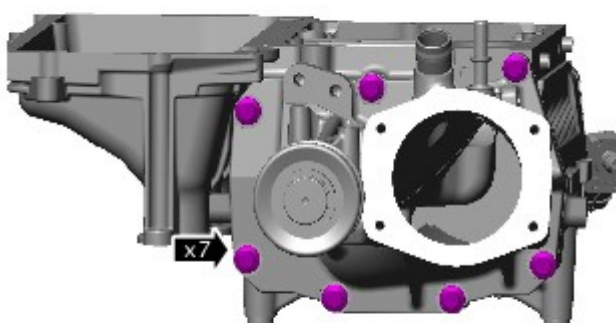
5.



6.



7.

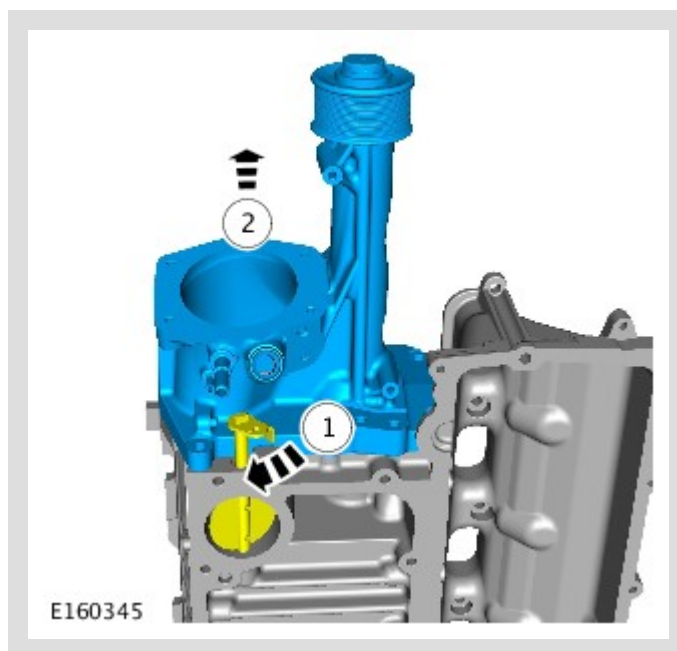


8.



CAUTION:

Make sure the actuator arm is rotated to allow the front cover to be removed. Failure to follow this instruction may result in damage to the component.

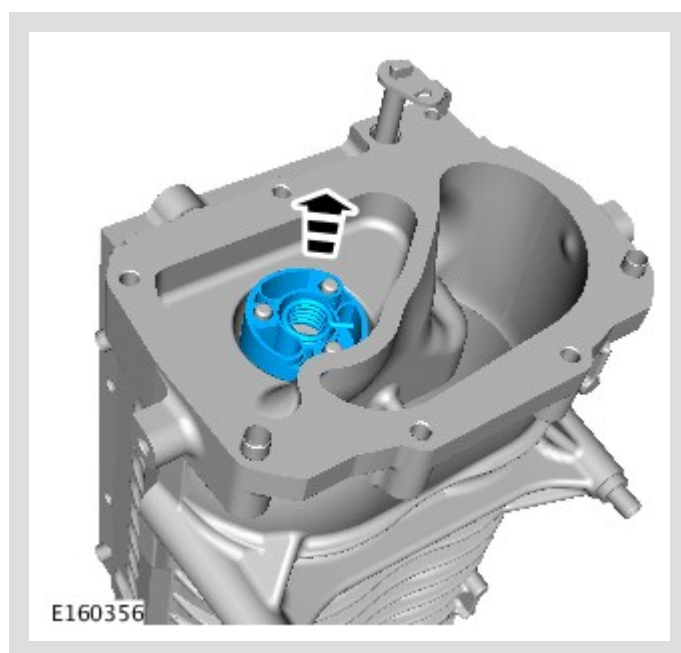


9.

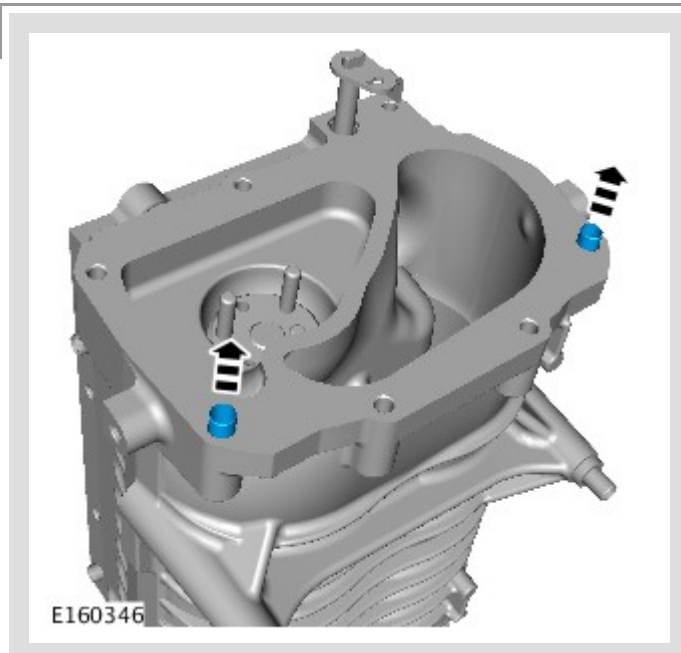


CAUTION:

Make sure that all open ports are covered to prevent any foreign material ingress.



10.



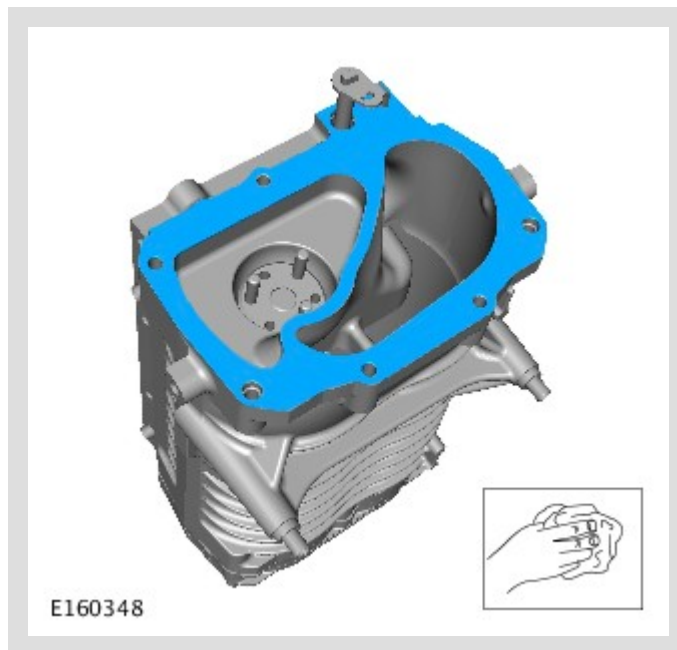
11.





CAUTION:

Make sure that all open ports are covered to prevent any foreign material ingress.



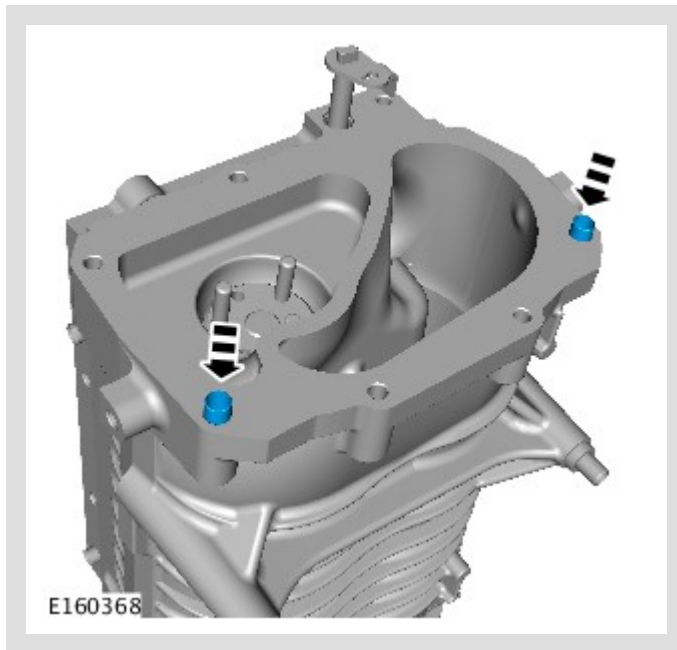
INSTALLATION

1.



CAUTION:

Make sure that all open ports are covered to prevent any foreign material ingress.

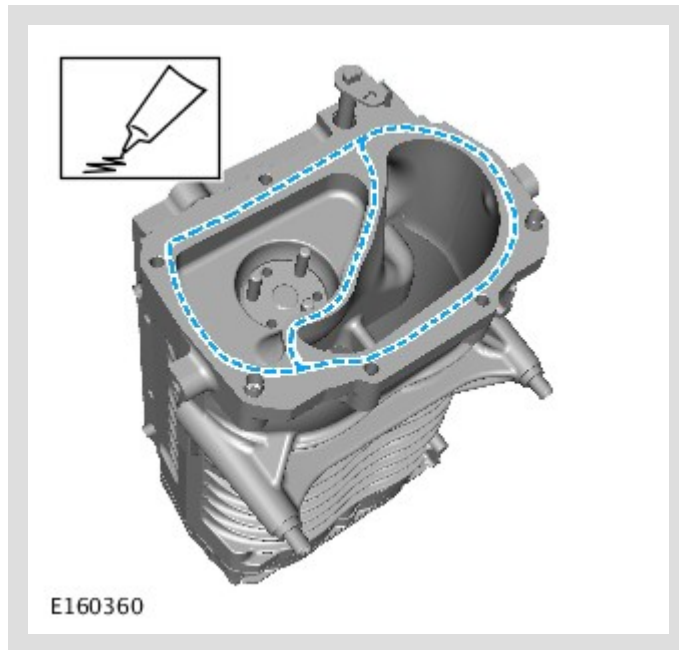


2.

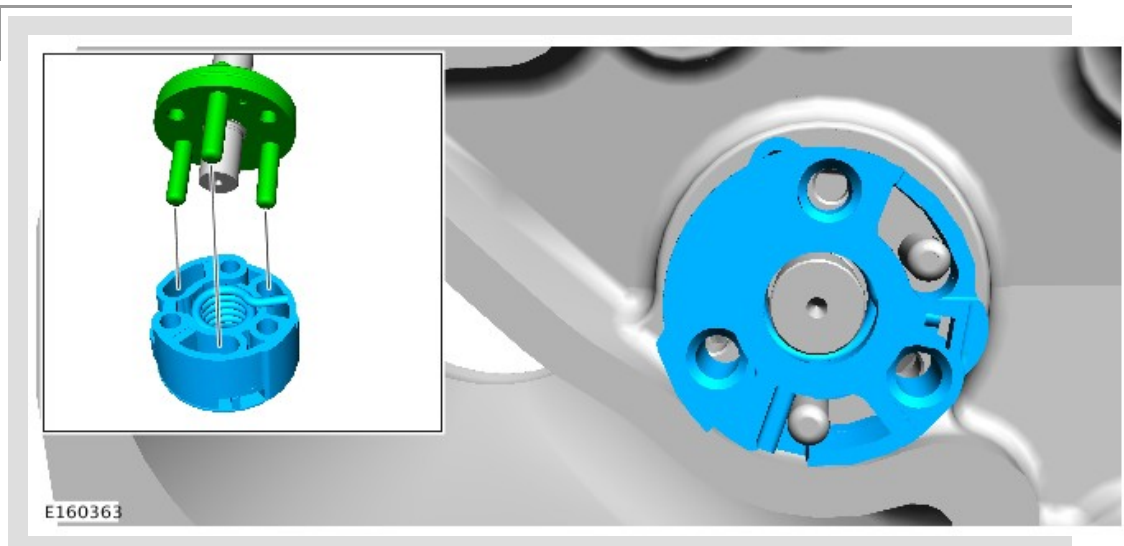


CAUTION:

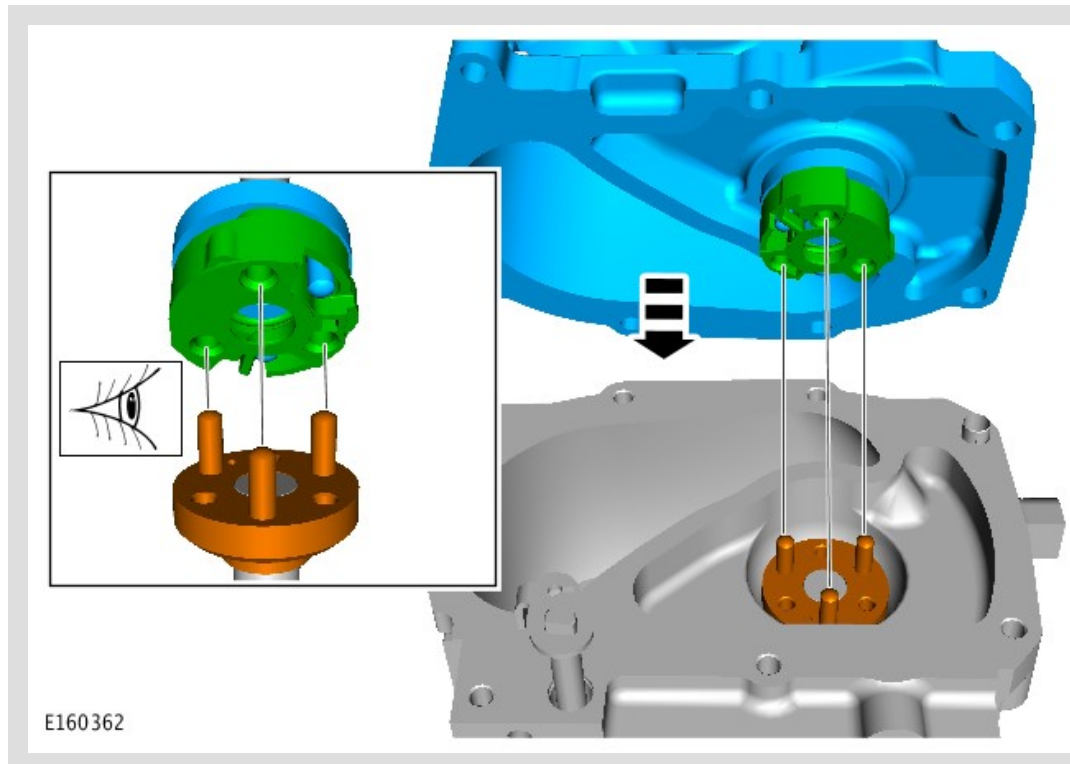
Apply a continuous bead of gasket sealant as shown on the illustration. The application of the sealant must be 1mm diameter. Install the component immediately after applying the sealant without smearing the sealant.



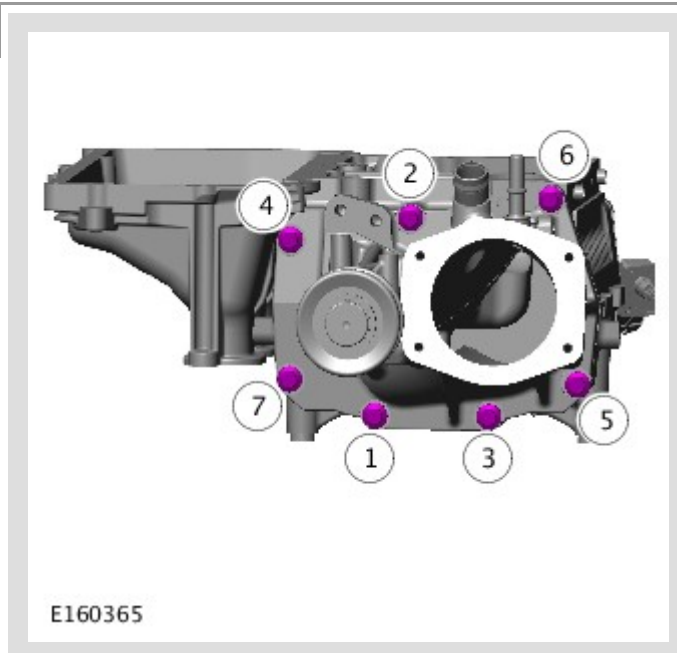
3.



4.




5.

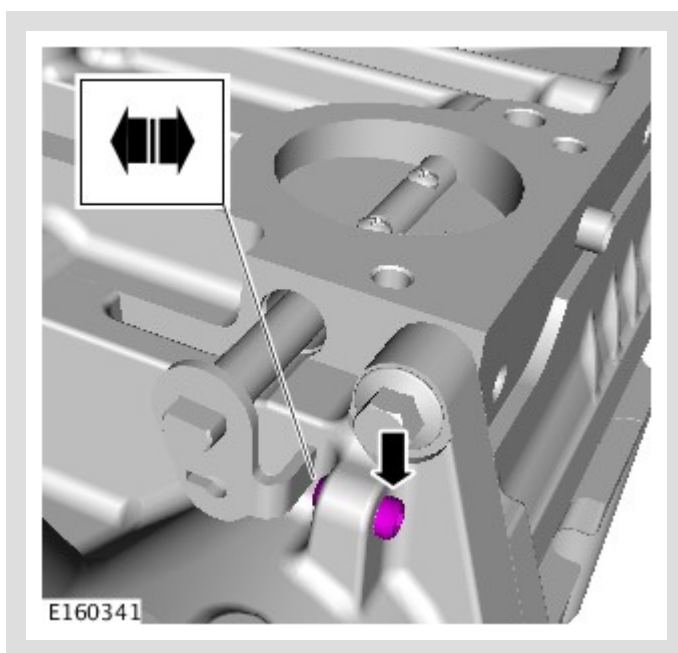


Torque: 27 Nm

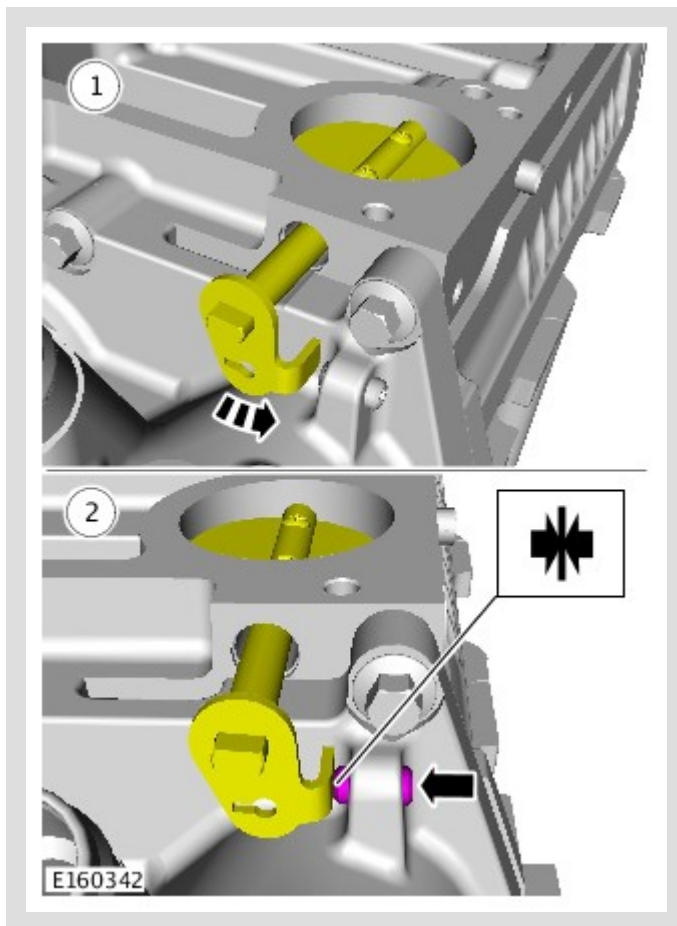
6.

 **NOTE:**

Loosen the adjustment screw.

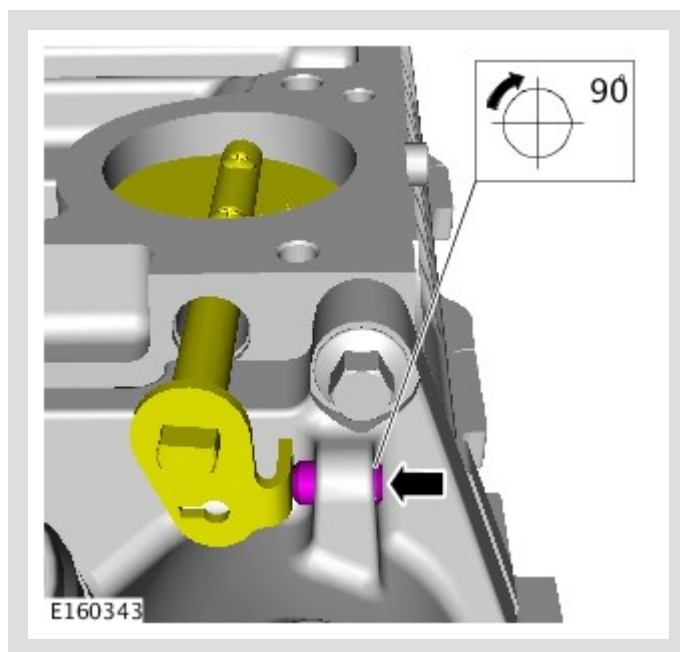


7.

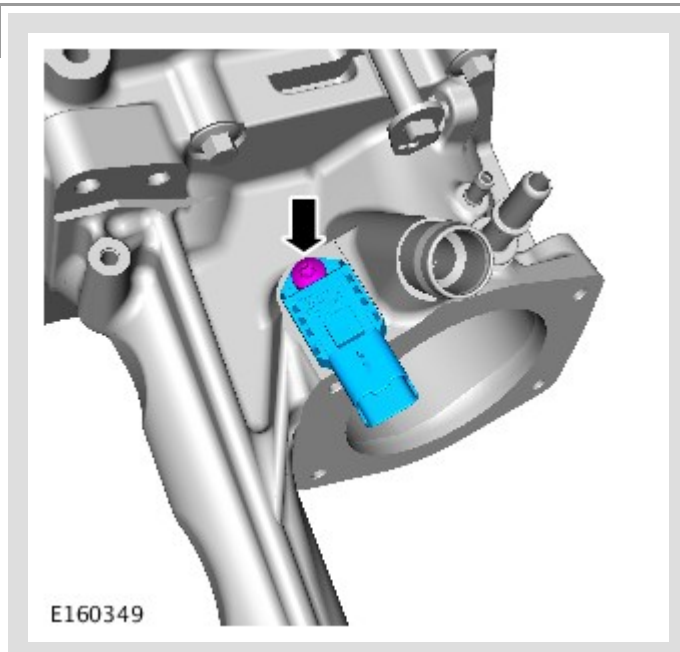


1. Using light pressure rotate the arm counter clockwise and hold.

1. Tighten the adjustment screw until no gap is visible.

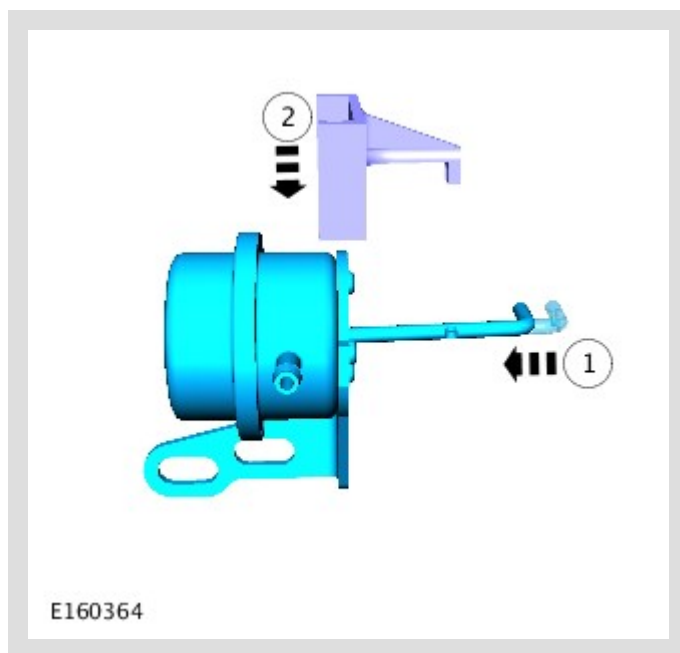


9.



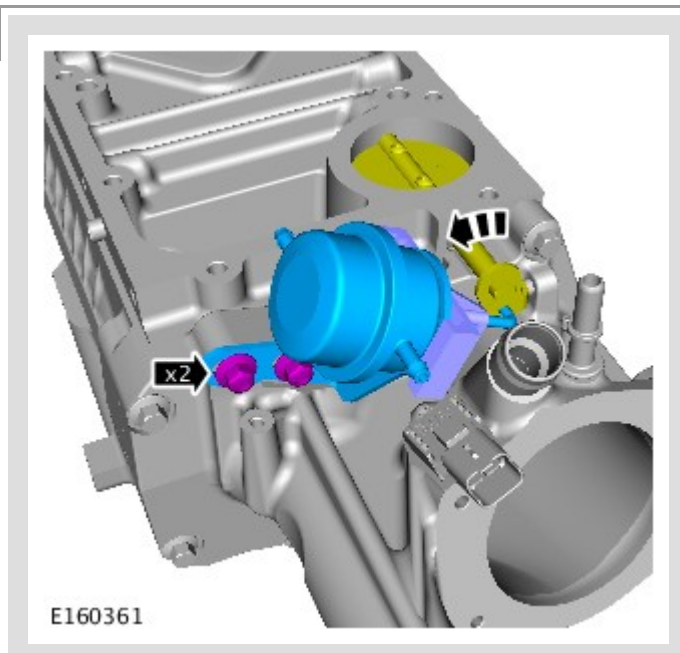
Torque: 5 Nm

10.

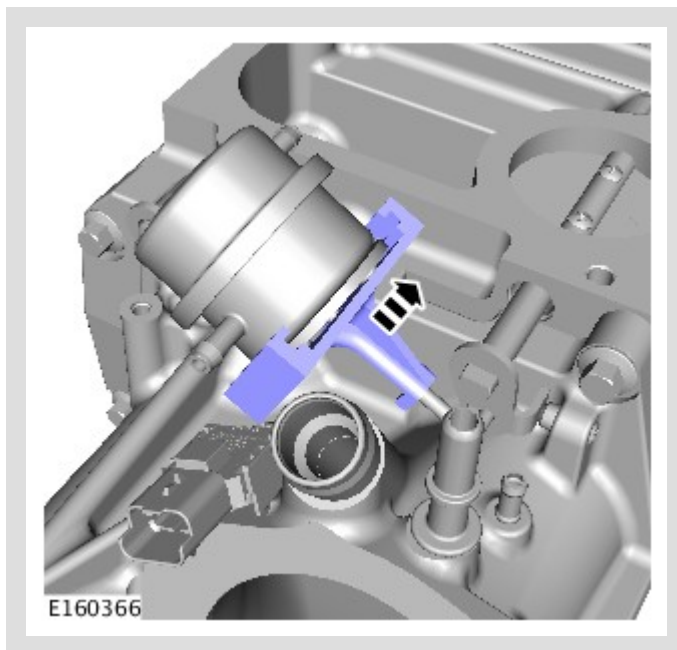


Assemble the installation tool, supplied, to the actuator.

11.



Torque: 20 Nm



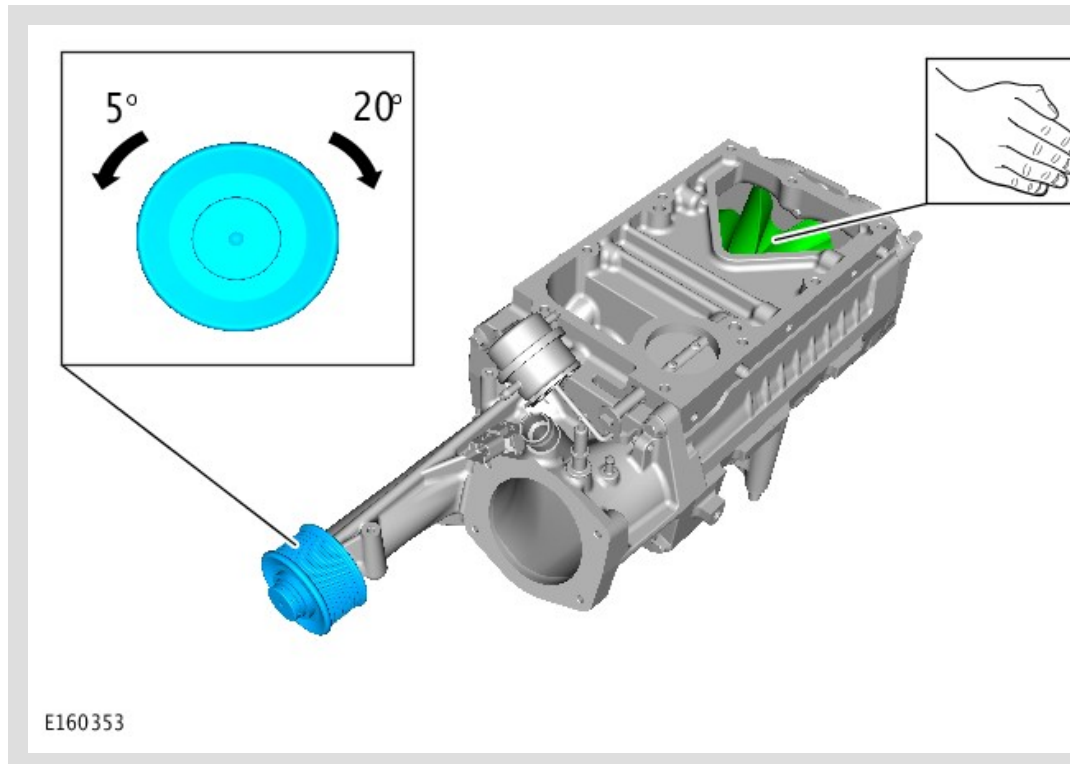
Remove the installation tool.

⚠ **CAUTIONS:**

- Make sure that spring resistance is felt in both directions of the pulley as shown.
- Make sure that all open ports are covered to prevent any foreign material ingress.

△ **NOTE:**

Supercharger rotors will appear polished, this is normal.

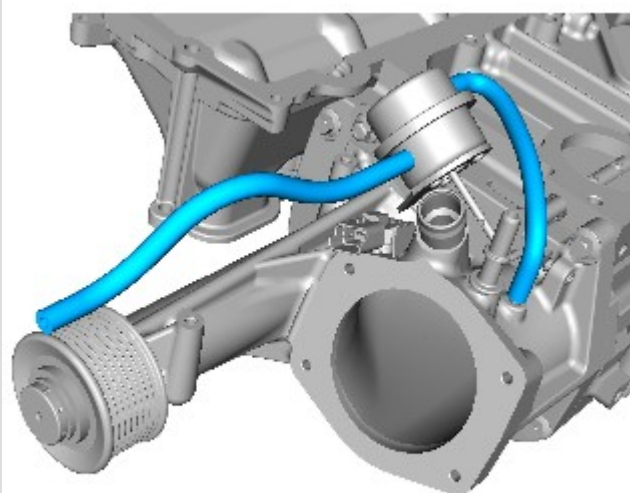


14.



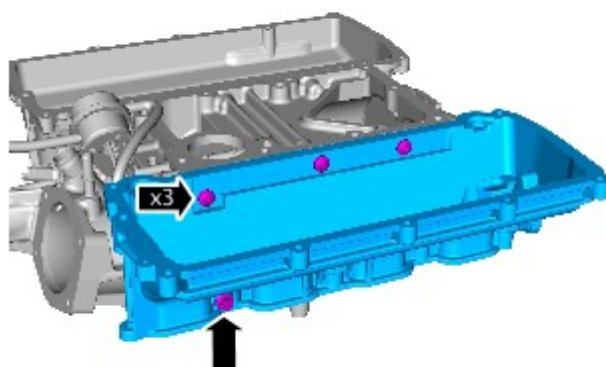
CAUTION:

Make sure the components are installed as noted on removal. Failure to follow this instruction may result in damage to the component.



E160367

15.



E160352

Torque: 25 Nm

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