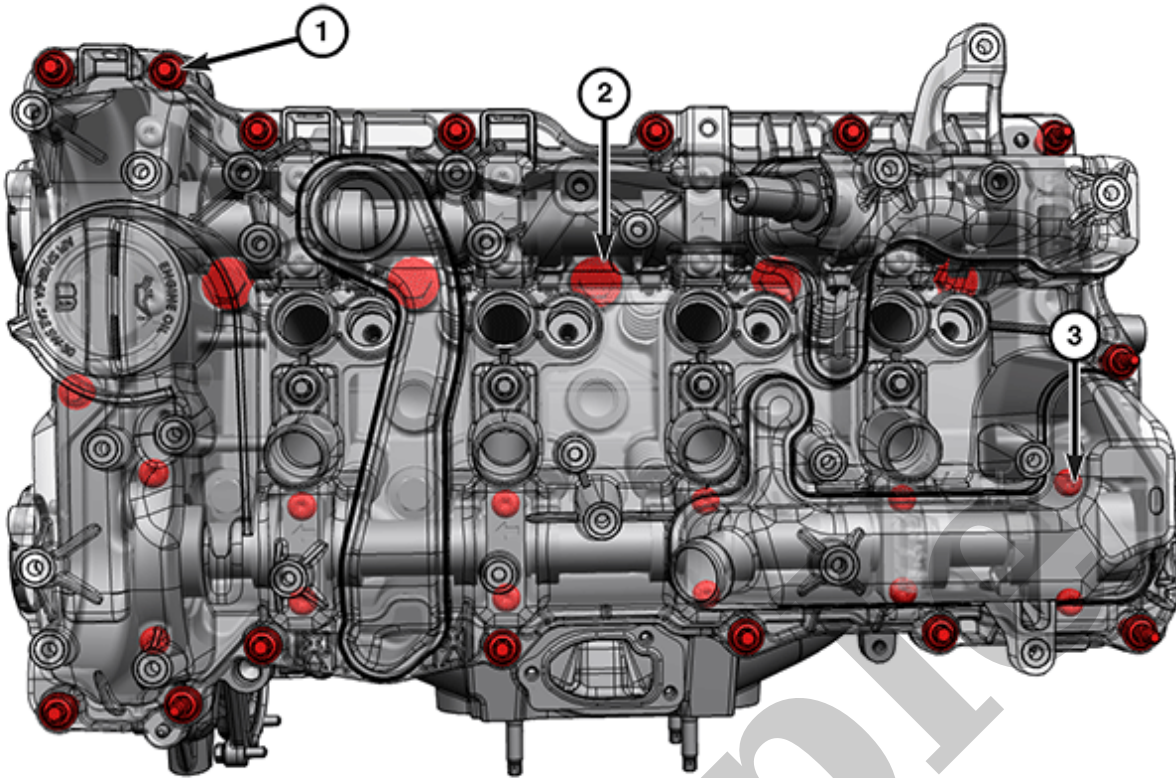


# Your Ultimate Source for OEM Repair Manuals

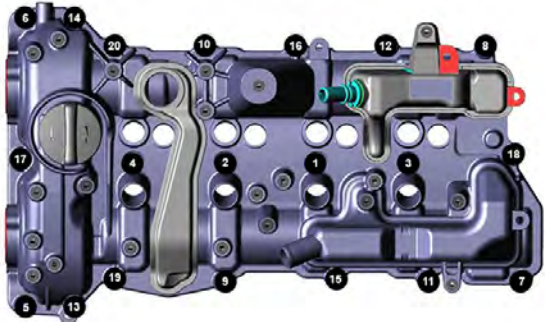
FactoryManuals.net is a great resource for anyone who wants to save money on repairs by doing their own work. The manuals provide detailed instructions and diagrams that make it easy to understand how to fix a vehicle.

## 2008 JEEP Wrangler OEM Service and Repair Workshop Manual

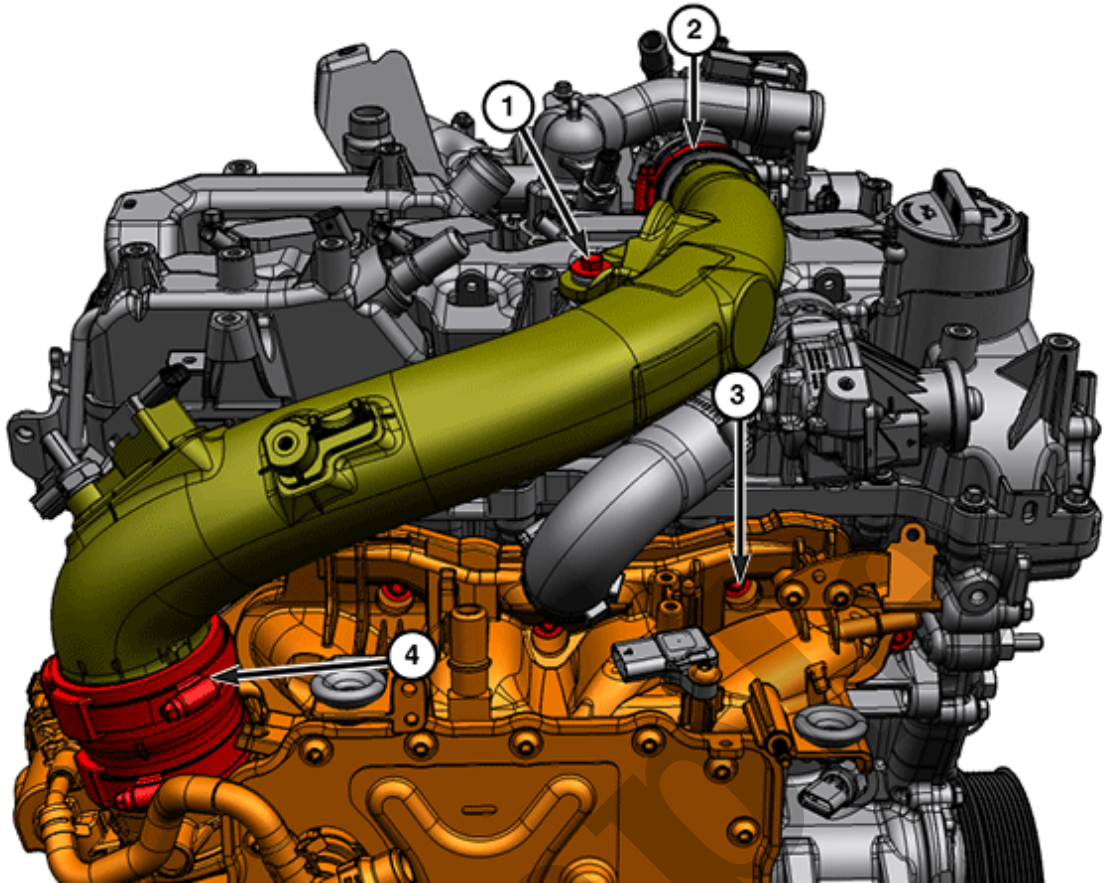
[Go to manual page](#)



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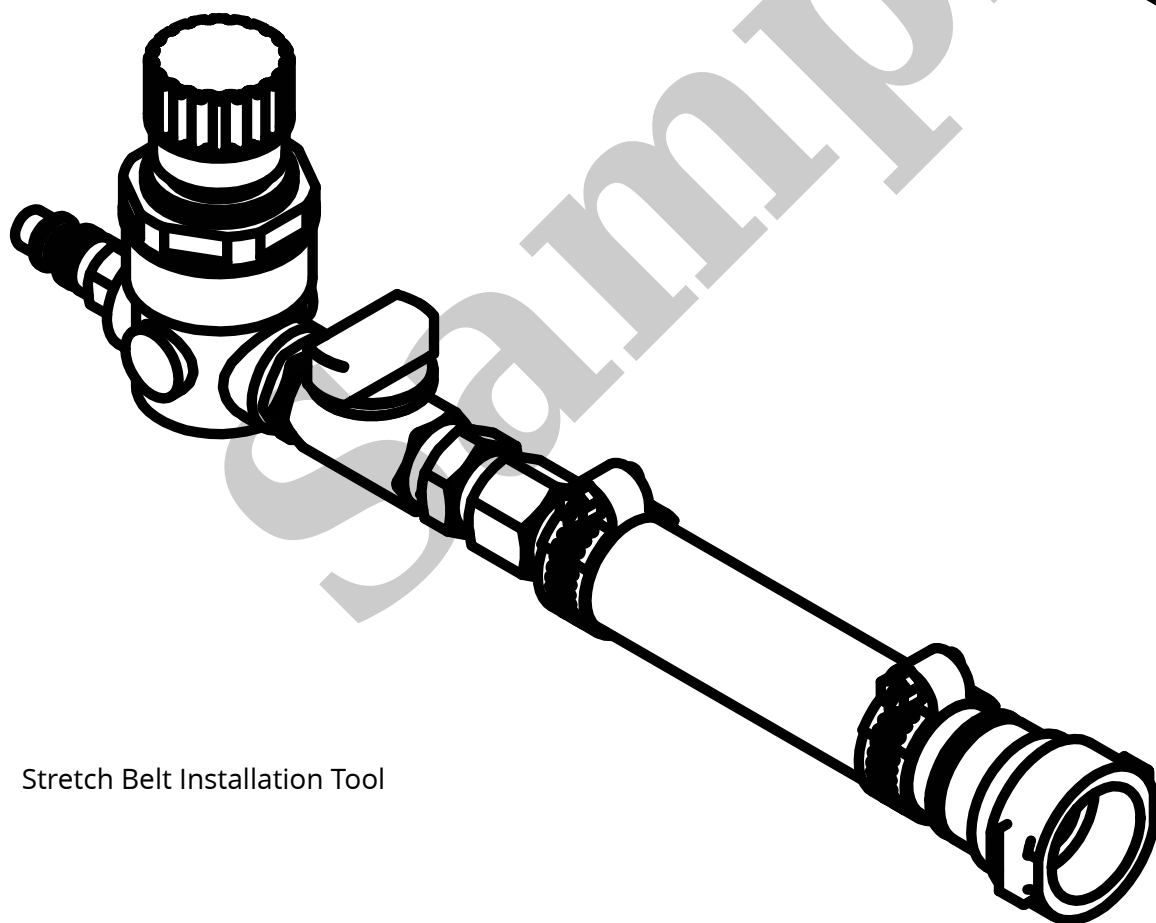
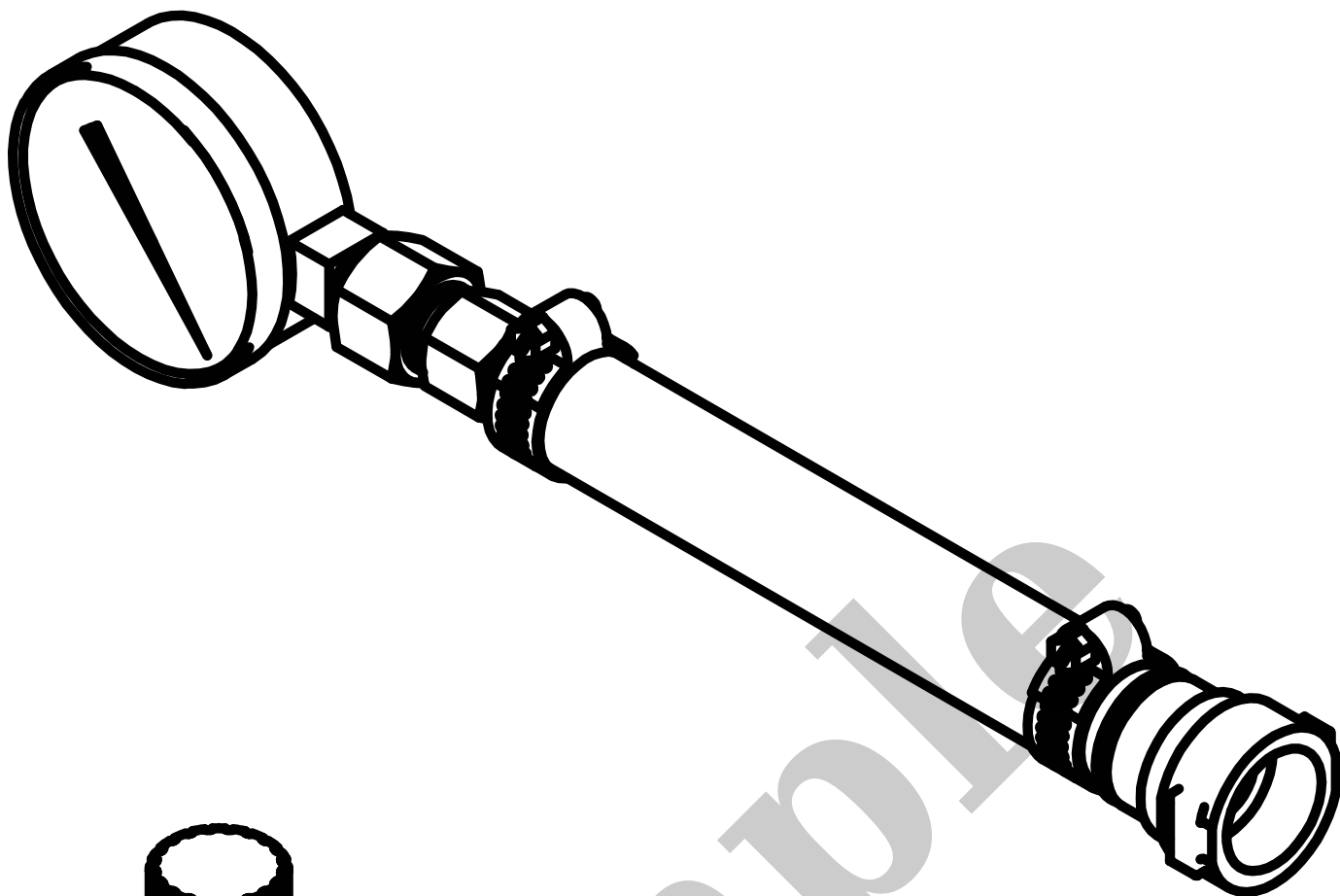
CALLOUT	DESCRIPTION	SPECIFICATION	COMMENTS
1	Cylinder Head Cover M6 Bolts	10 N·m (89 In. Lbs.)	<p>Tightening Sequence</p> 
2	Cylinder Head M11 Inner Bolts Cylinder Head M8 Side Bolt (11)	<p><b>Torque Procedure:</b></p> <ol style="list-style-type: none"> <li>1. M11 bolts to 20 N·m (15 Ft. Lbs.)</li> <li>2. M11 bolts to 55 N·m (41 Ft. Lbs.)</li> </ol>	<p>Tightening Sequence Tightening Sequence</p>

1	Side Engine Cover M6 Bolts	<b>5 N·m (44 In. Lbs.)</b>	-
2	Top Engine Cover M6 Bolts	<b>5 N·m (44 In. Lbs.)</b>	-
3	Clean Air Tube to Turbo Charger	<b>7 N·m (53 In. Lbs.)</b>	-
4	Air Cleaner Body Bolts to Frame Rail	<b>7 N·m (53 In. Lbs.)</b>	-
5	Clean Air Tube to Air Cleaner Cover	<b>7 N·m (53 In. Lbs.)</b>	-
6	Air Cleaner Body Bolts to Core Support	<b>7 N·m (53 In. Lbs.)</b>	-
7	Air Cleaner Cover Screws	<b>4 N·m (34 In. Lbs.)</b>	-
8	Air Intake Tube to Core Support	<b>7 N·m (62 In. Lbs.)</b>	-



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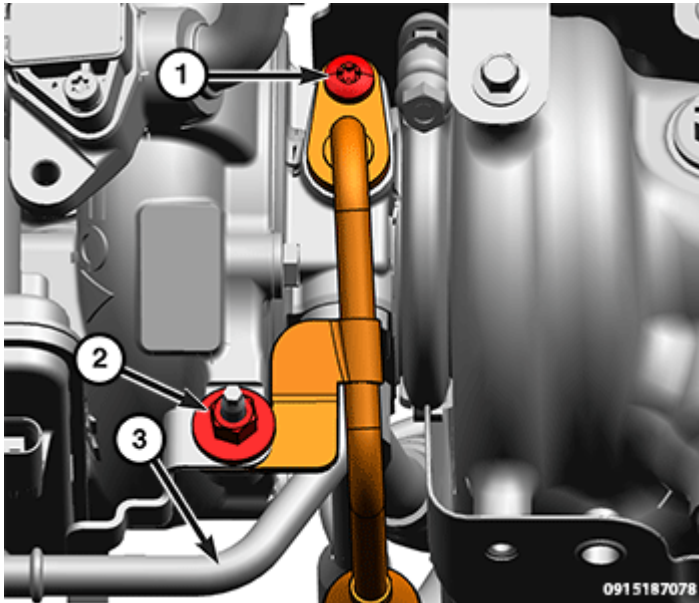
CALLOUT	DESCRIPTION	SPECIFICATION	COMMENTS
1	Intake Air Tube Bolt	7 N·m (53 In. Lbs.)	-
2	Intake Air Tube clamp to T-Body	4 N·m (34 In. Lbs.)	-



Stretch Belt Installation Tool

A very short T-30 TORX® driver will be required to remove the bolt from the turbocharger oil supply pipe.

3. Remove the turbocharger oil supply line to crankcase bolt and disconnect the turbocharger oil supply line from the crankcase.



1 - Turbocharger Oil Supply Line Bolt

2 - Turbocharger Oil Supply Line Nut

3 - Coolant Line

4. Remove the turbocharger oil supply line and turbocharger coolant return line nut securing the turbocharger oil supply line turbocharger coolant return line to the turbocharger.
5. Remove the turbocharger oil supply line to turbocharger bolt and the turbocharger oil supply line complete with O-rings.

## INSTALLATION

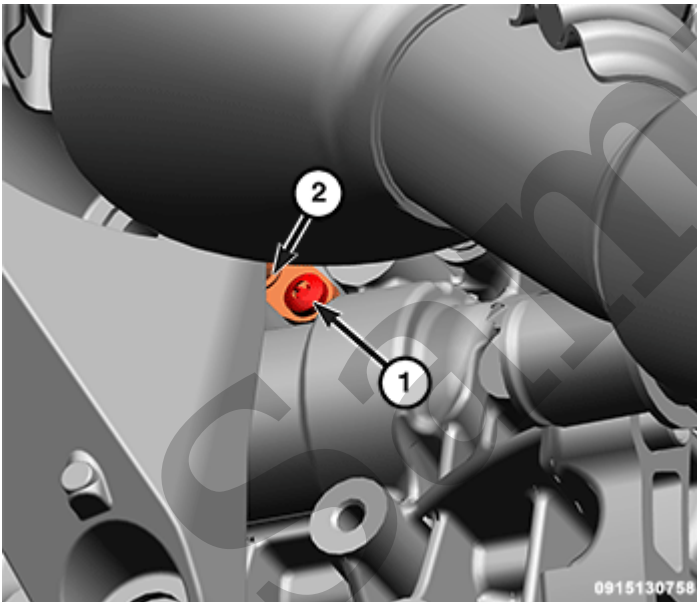
Follow the removal procedure in reverse for general reassembly of the components on the vehicle. The steps listed below are calling out specific procedures that should be followed during installation.

## Turbocharger Oil Supply Pipe

### TURBOCHARGER OIL SUPPLY PIPE

#### REMOVAL

1. Raise and support the vehicle (Refer to [Vehicle Quick Reference/Hoisting/Standard Procedure](#)).
2. Remove the turbocharger oil return pipe from the turbocharger (Refer to [Engine/Turbocharger System/LINES and HOSES, Turbocharger, Oil and Coolant/Removal and Installation](#)).



1 - Bolt

2 - Turbocharger Oil Supply Pipe

#### NOTE

A very short T-30 TORX® driver will be required to remove the bolt from the turbocharger oil supply pipe.



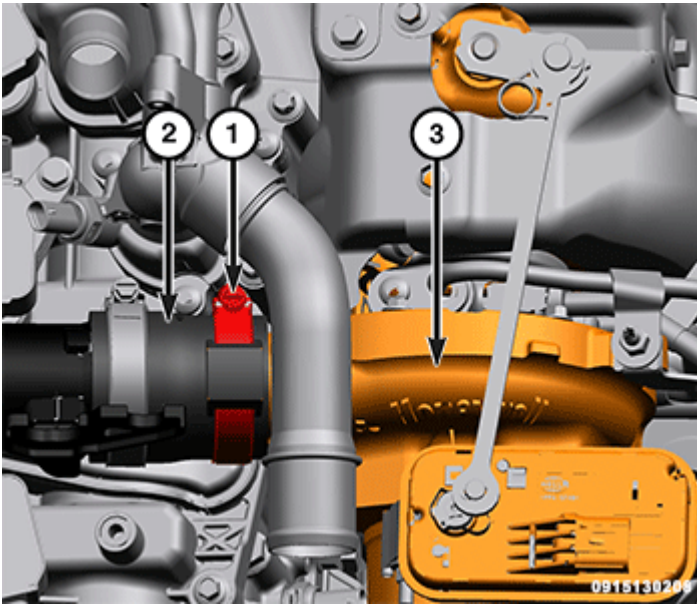
## Turbo Charger

### TURBO CHARGER

#### REMOVAL

1. Raise and support the vehicle ([Refer to Vehicle Quick Reference/Hoisting/Standard Procedure](#)).
2. Disconnect and isolate the negative battery cable(s) ([Refer to Electrical/Battery System/Standard Procedure](#)).
3. Drain the engine coolant system ([Refer to Engine/Cooling Systems/Engine Cooling/Standard Procedure](#)) ([Refer To List 1](#)).
4. Drain the low temp coolant system ([Refer to Engine/Cooling Systems/Engine Cooling/Standard Procedure](#))([Refer To List 1](#)).
5. Remove the clean air hose ([Refer to Engine/Air Intake System/HOSE, Clean Air/Removal and Installation](#)) ([Refer To List 2](#)).
6. Remove the left front wheel and wheelhouse inner splash shield ([Refer to Body/Exterior/SHIELD, Splash/Removal and Installation](#)).
7. Remove the catalytic converter ([Refer to Exhaust System/CONVERTER, Catalytic/Removal and Installation](#)).
8. Remove the turbocharger oil return pipe ([Refer to Engine/Turbocharger System/Removal and Installation](#)).
9. Remove the turbocharger oil supply pipe ([Refer to Engine/Turbocharger System/Removal and Installation](#)).



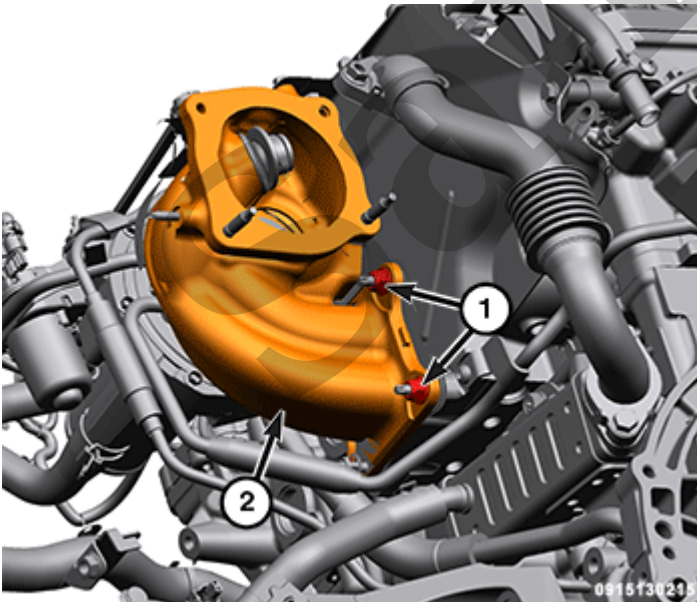


1 - Turbocharger Outlet Hose Clamp

2 - Turbocharger Outlet Hose

3 - Turbocharger Assembly

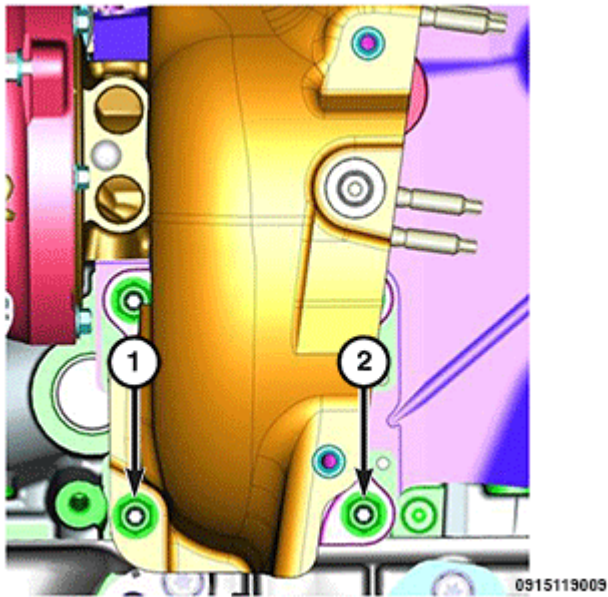
16. Loosen the clamp at the turbocharger outlet hose.



1 - Rear Nuts

2 - Turbocharger Assembly

5. Install the turbocharger heat shield with two bolts and one nut.

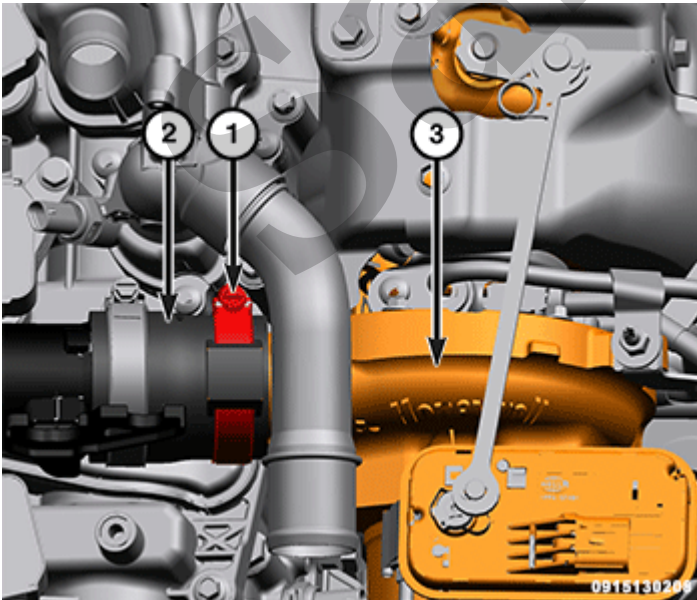


1 - Lower Front Turbocharger To Cylinder Head Nut

2 - Lower Rear Turbocharger To Cylinder Head Nut

6. Install the **NEW** lower front turbocharger to cylinder head nut on the turbocharger heat shield.

7. Re-torque the lower rear turbocharger nut.



1 - Turbocharger Outlet Hose Clamp