

Service Manual: EXHAUST SYSTEM

DIAGNOSIS AND TESTING > EXHAUST EMISSION TESTING**1.4L MultiAir Turbo / 1.6L Turbo Diesel / 2.0L Turbo Diesel / 2.4L MultiAir2**

- Execute the relief with all anti-emission devices activated and to the idle speed specified.

**NOTE:**

If the shape of the exhaust pipe does not allow the full introduction of the probe, it is necessary to add a special extension tube that ensures the seal in the junction area.

- Place the appropriate exhaust gas analyzer probe into the end of the exhaust pipe for no less than 30 cm.
- Wait for the indication that the exhaust gas analyzers are stabilized.
- With the engine idling check that the CO₂ content is within the prescribed values. Refer to SPECIFICATIONS for 1.4L, SPECIFICATIONS for 1.6L/2.0L Diesel or SPECIFICATIONS for 2.4L .

ADJUSTMENTS > ADJUSTMENTS

A misaligned exhaust system is usually indicated by a vibration, rattling noise, or binding of exhaust system components. These noises are sometimes hard to distinguish from other chassis noises. Inspect exhaust system for broken or loose clamps, heat shields, isolators, and brackets. Replace or tighten as necessary. It is important that exhaust system clearances and alignment be maintained.

Perform the following procedures to align the exhaust system:

1. Loosen clamps and support brackets.
2. Align the exhaust system starting at the front, working rearward.
3. Tighten all clamps and brackets once alignment and clearances are achieved.

SPECIFICATIONS > TORQUE SPECIFICATIONS**TORQUE SPECIFICATIONS**

DESCRIPTION	N.m	Ft. Lbs.	In. Lbs.	NEW FASTENER*
Bracket exhaust pipe screw	25	18	-	
Exhaust clamp pipe nut	25	18	-	
Exhaust clamp pipe screw	25	18	-	

Exhaust pipe to engine oil sump	25	18	-	
Exhaust pipe to catalytic converter	25	18	-	
*NEW FASTENER: Do not reuse these fasteners. If removed, a new fastener must be installed and tightened to specifications.				

INSPECTION > INSPECTION

Inspect the exhaust pipe, catalytic converter and muffler for cracked joints, broken welds and corrosion damage that would result in a leaking exhaust system. Inspect the clamps, support brackets and insulators for cracks and corrosion damage.

CONVERTER, CATALYTIC > INSPECTION > INSPECTION



WARNING:

The normal operating temperature of the exhaust system is very high. Therefore, never attempt to service any part of the exhaust system until it is cooled. Special care should be taken when working near the catalytic converter. The temperature of the converter rises to a high level after a short period of engine operation time.

Visually inspect the catalytic converter element by using a borescope or equivalent. Remove oxygen sensor(s) and insert borescope. If borescope is not available, remove converter and inspect element using a flashlight. Inspect element for cracked or melted substrate.



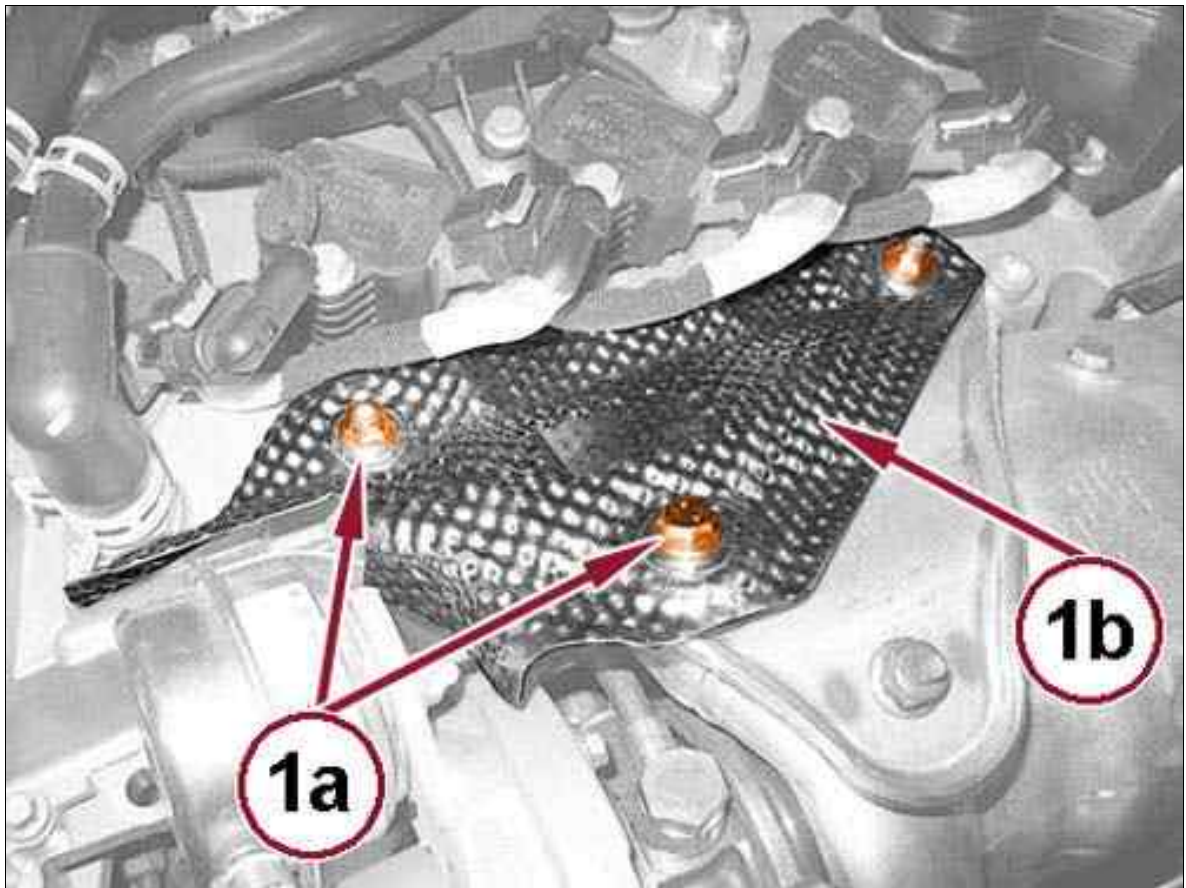
NOTE:

Before replacing a catalytic converter, determine the root cause of failure. Most catalytic converter failures are caused by air, fuel or ignition problems. (Refer to Appropriate Diagnostic Information) for test procedures.

CONVERTER, CATALYTIC > REMOVAL AND INSTALLATION > 1.4L > REMOVAL 4.1L

1. Disconnect and isolate the negative battery cable.
2. Remove the engine beauty cover. Refer to COVER, ENGINE, REMOVAL AND INSTALLATION for 1.6L/2.0L Diesel, COVER, ENGINE, REMOVAL AND INSTALLATION for 1.4L or COVER, ENGINE, REMOVAL AND INSTALLATION for 2.4L.
3. Raise and support the vehicle.

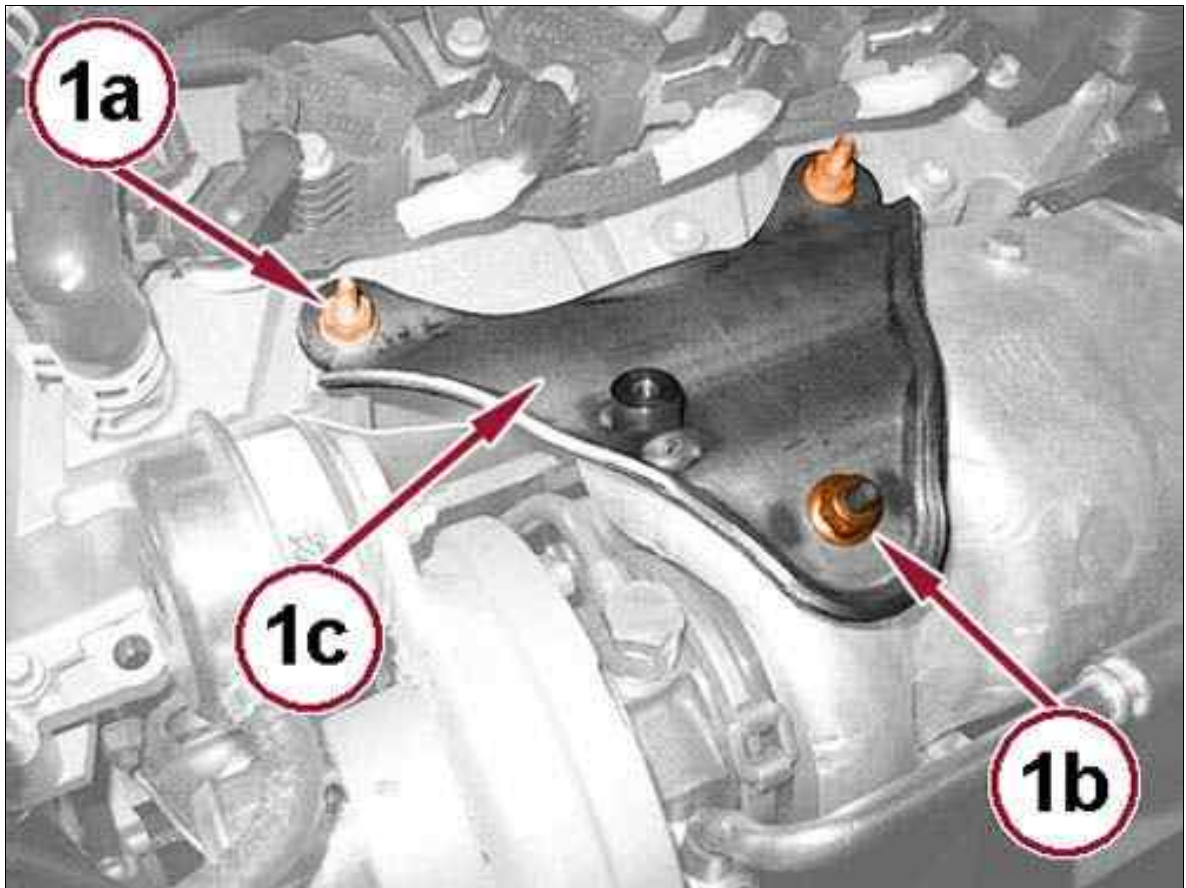
Fig 1: Ignition Coil Heat Shield & Nuts



Courtesy of CHRYSLER GROUP, LLC

4. Remove the clamps (1a) and remove the ignition coils heat shield (1b).

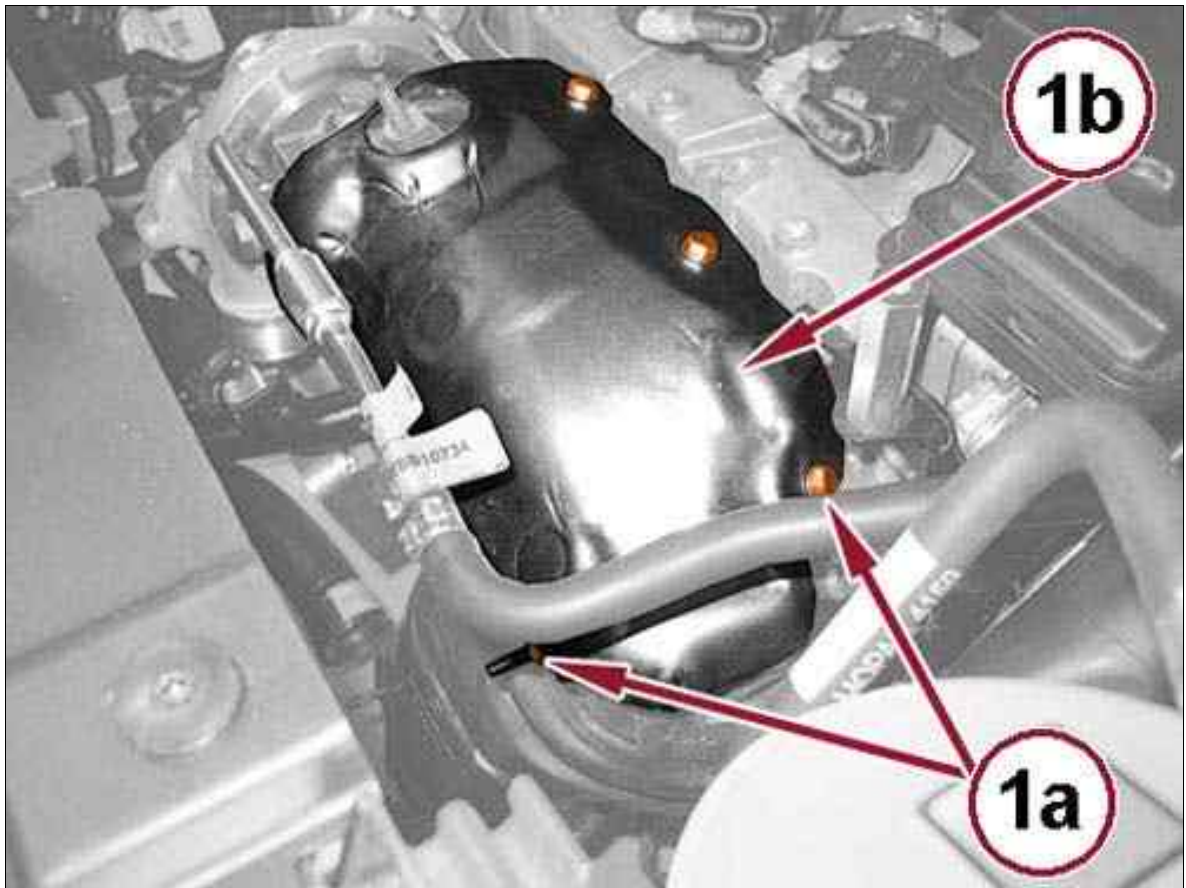
Fig 2: Turbocharger Support Bracket, Nut & Screws



Courtesy of CHRYSLER GROUP, LLC

5. Remove the screws (1a), the nut (1b) and remove the turbocharger support bracket (1c).

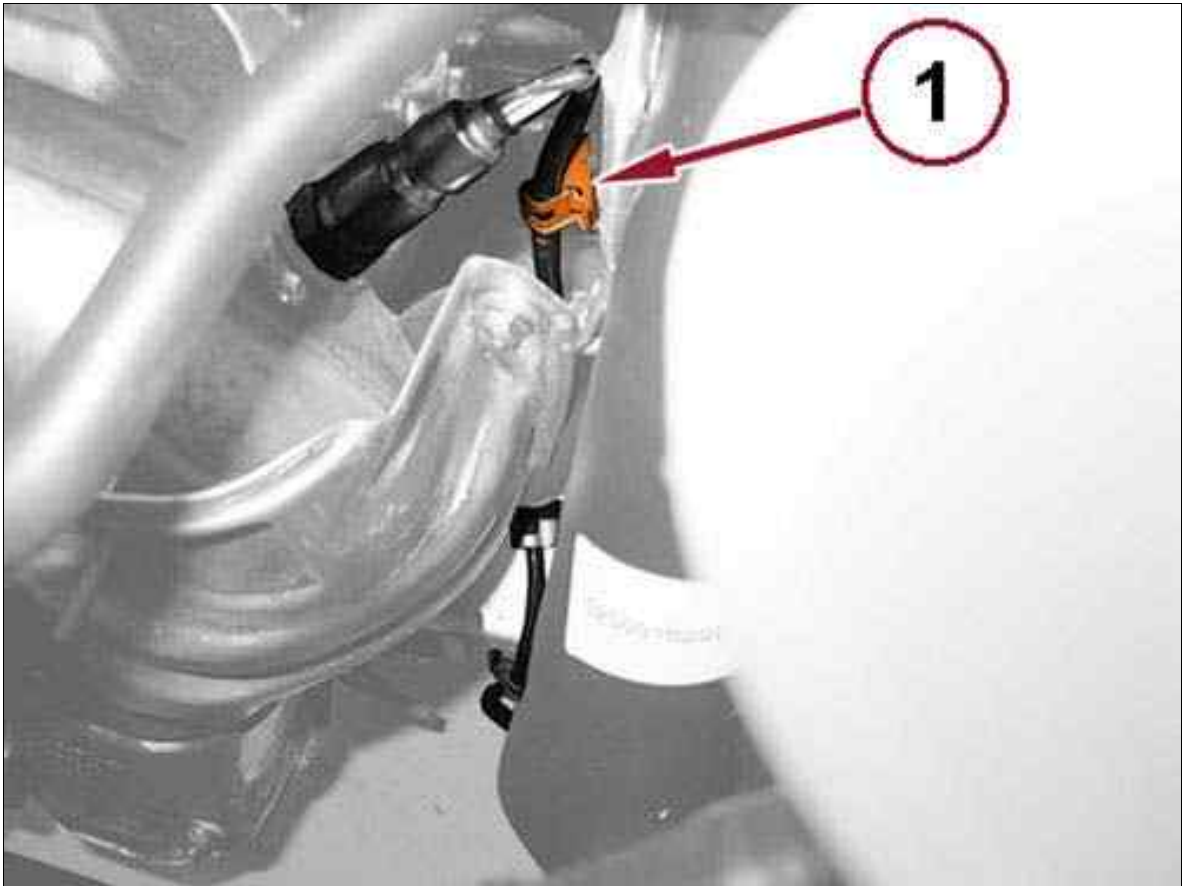
Fig 3: Turbocharger Heat Shield & Nuts



Courtesy of CHRYSLER GROUP, LLC

6. Remove the clamps (1a) and remove the turbocharger heat shield (1b).

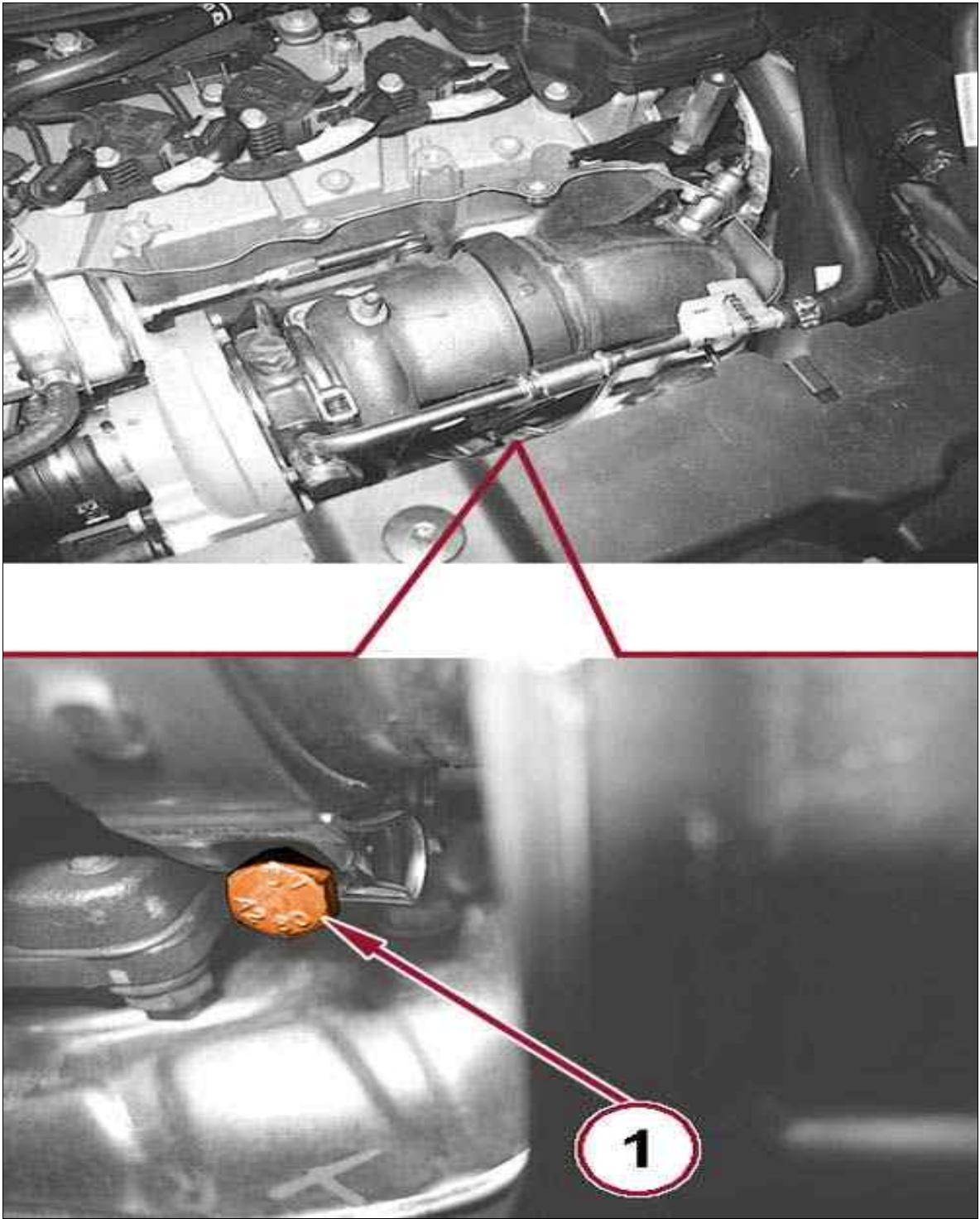
Fig 4: Upper Retaining Clip



Courtesy of CHRYSLER GROUP, LLC

7. Disconnect the upstream oxygen sensor wiring to the catalytic converter from the upper retaining clip (1).

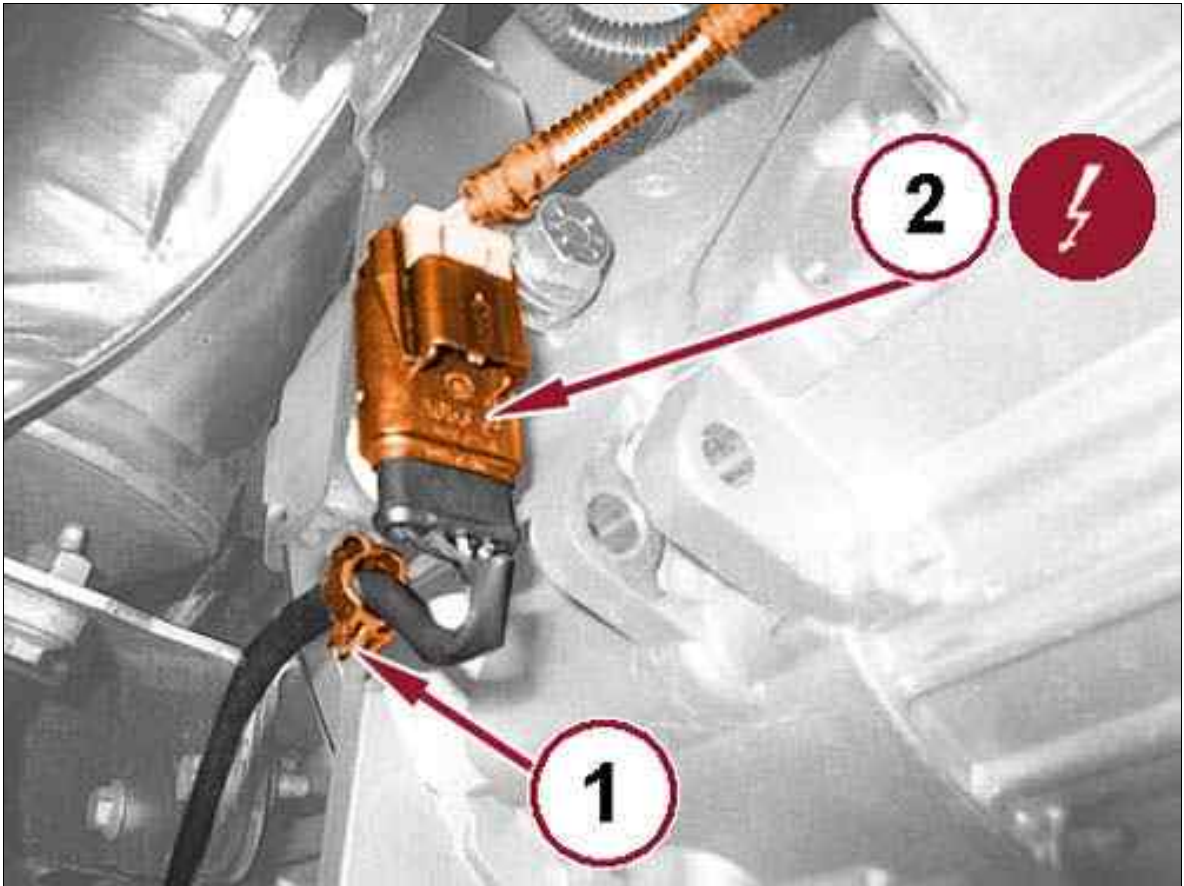
Fig 5: Catalytic Converter To The Turbocharger Securing Screw



Courtesy of CHRYSLER GROUP, LLC

8. Loosen the screw (1) securing the catalytic converter to the turbocharger.

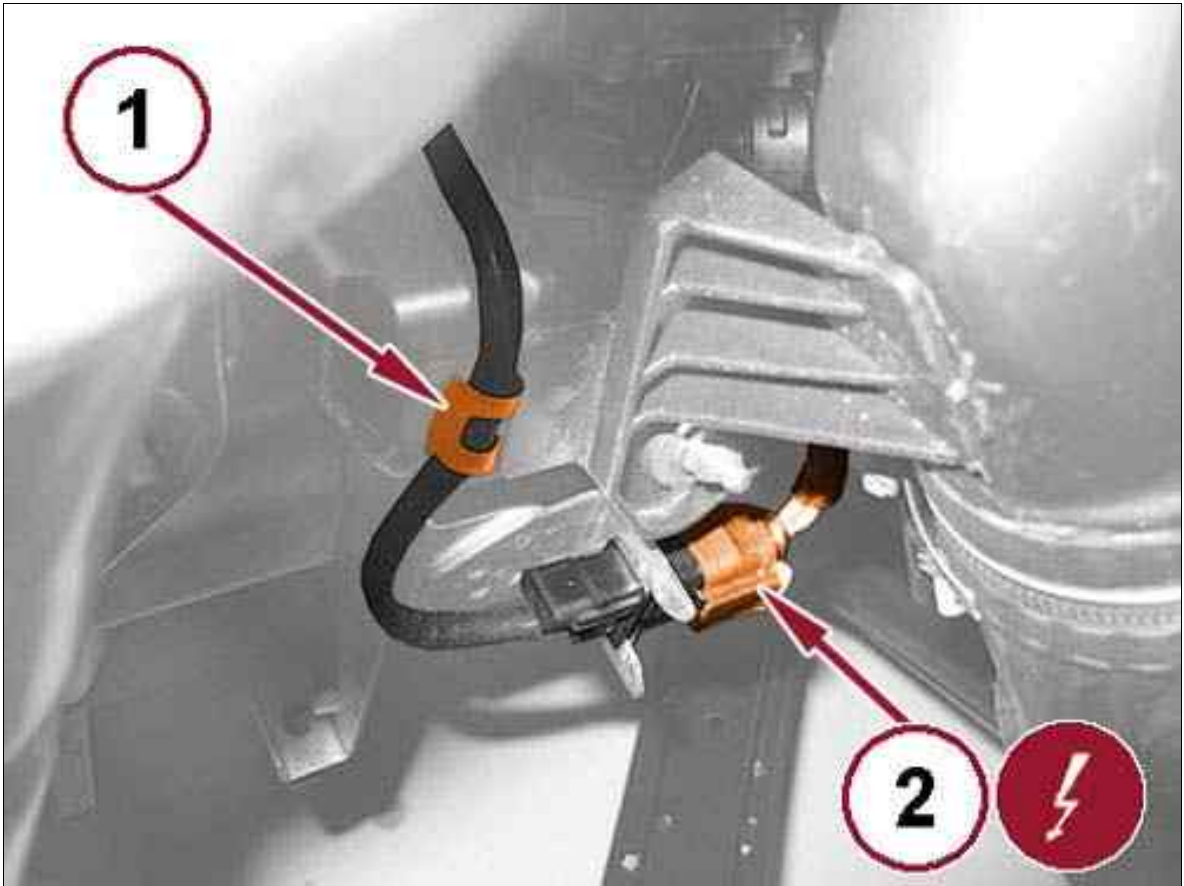
Fig 6: Spring Retainer & Electrical Connection Of The Oxygen Sensor



Courtesy of CHRYSLER GROUP, LLC

9. Detach the wiring from the spring retainer (1).
10. Disconnect the electrical connection of the oxygen sensor (2).

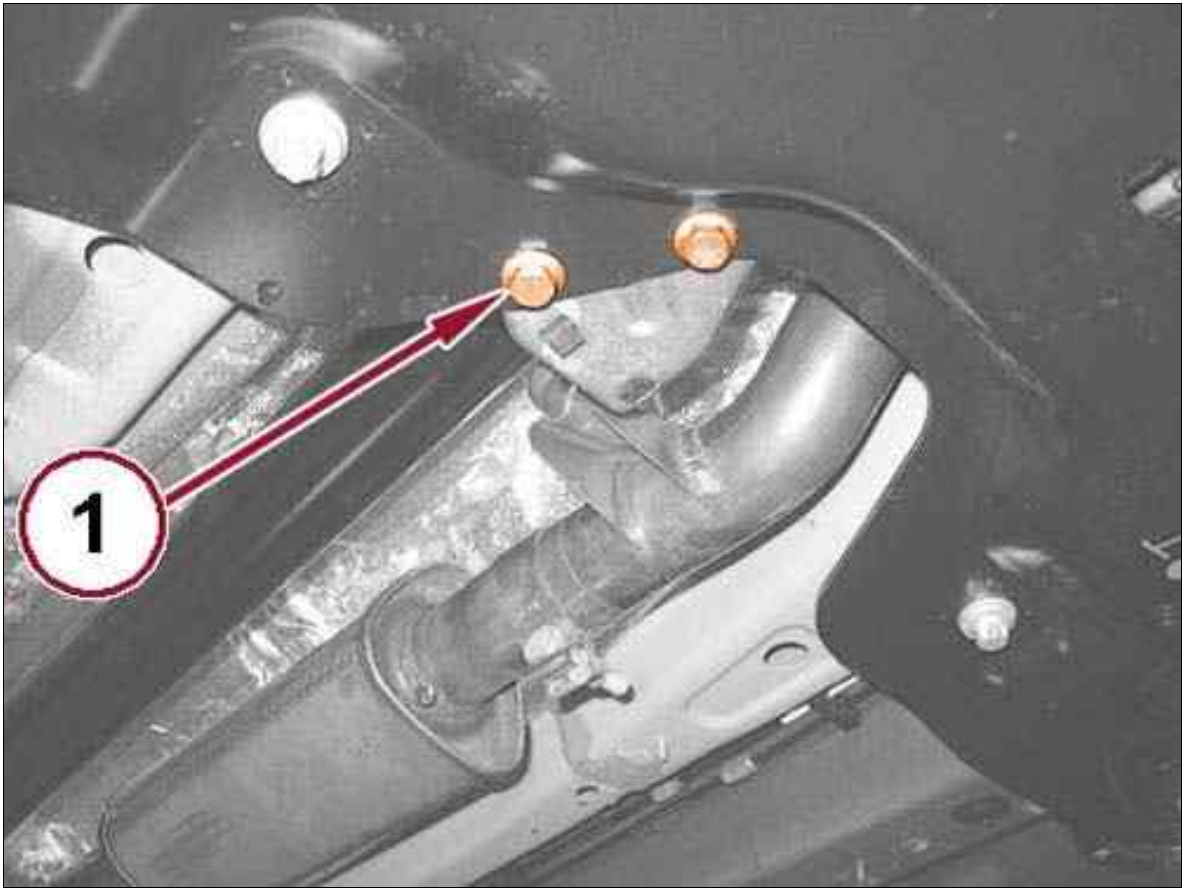
Fig 7: Spring Retainer & Electrical Connection



Courtesy of CHRYSLER GROUP, LLC

11. Detach the wiring from the spring retainer (1).
12. Disconnect the electrical connection (2) of the front oxygen sensor at the catalytic converter.

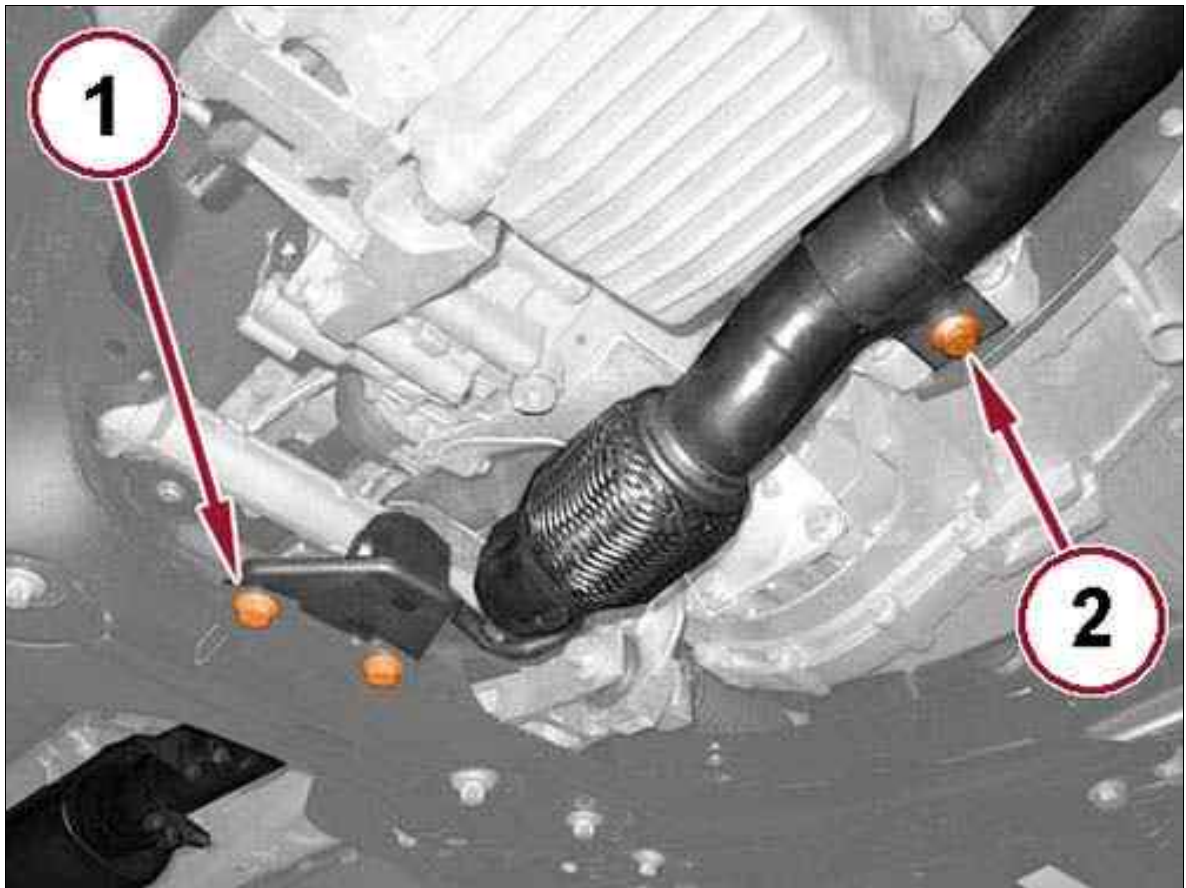
Fig 8: Rear Bracket Screws



Courtesy of CHRYSLER GROUP, LLC

13. Remove the rear bracket screws (1) supporting the exhaust pipe.

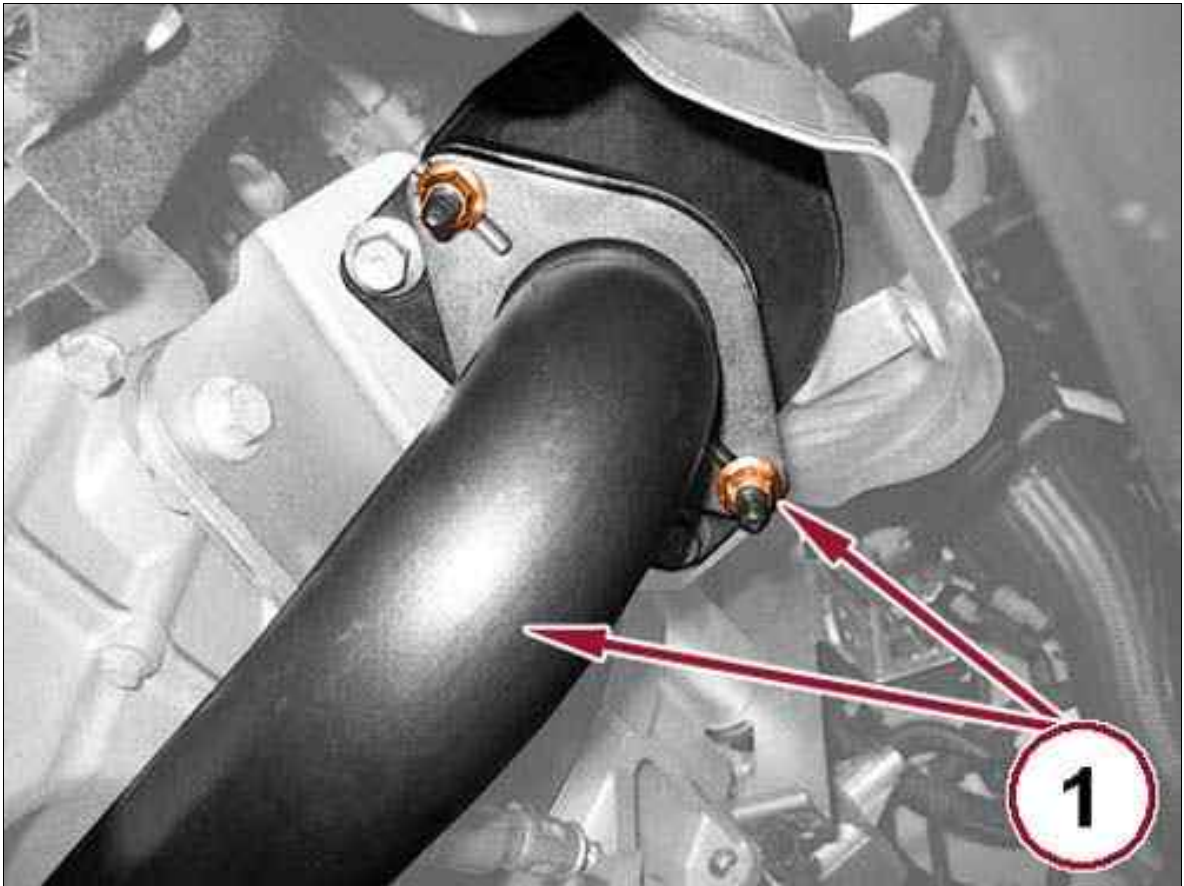
Fig 9: Locating Securing Screws



Courtesy of CHRYSLER GROUP, LLC

14. Remove the screws (1) securing the front exhaust support bracket.
15. Unscrew the screw (2) supporting the discharge pipe to the engine oil sump.

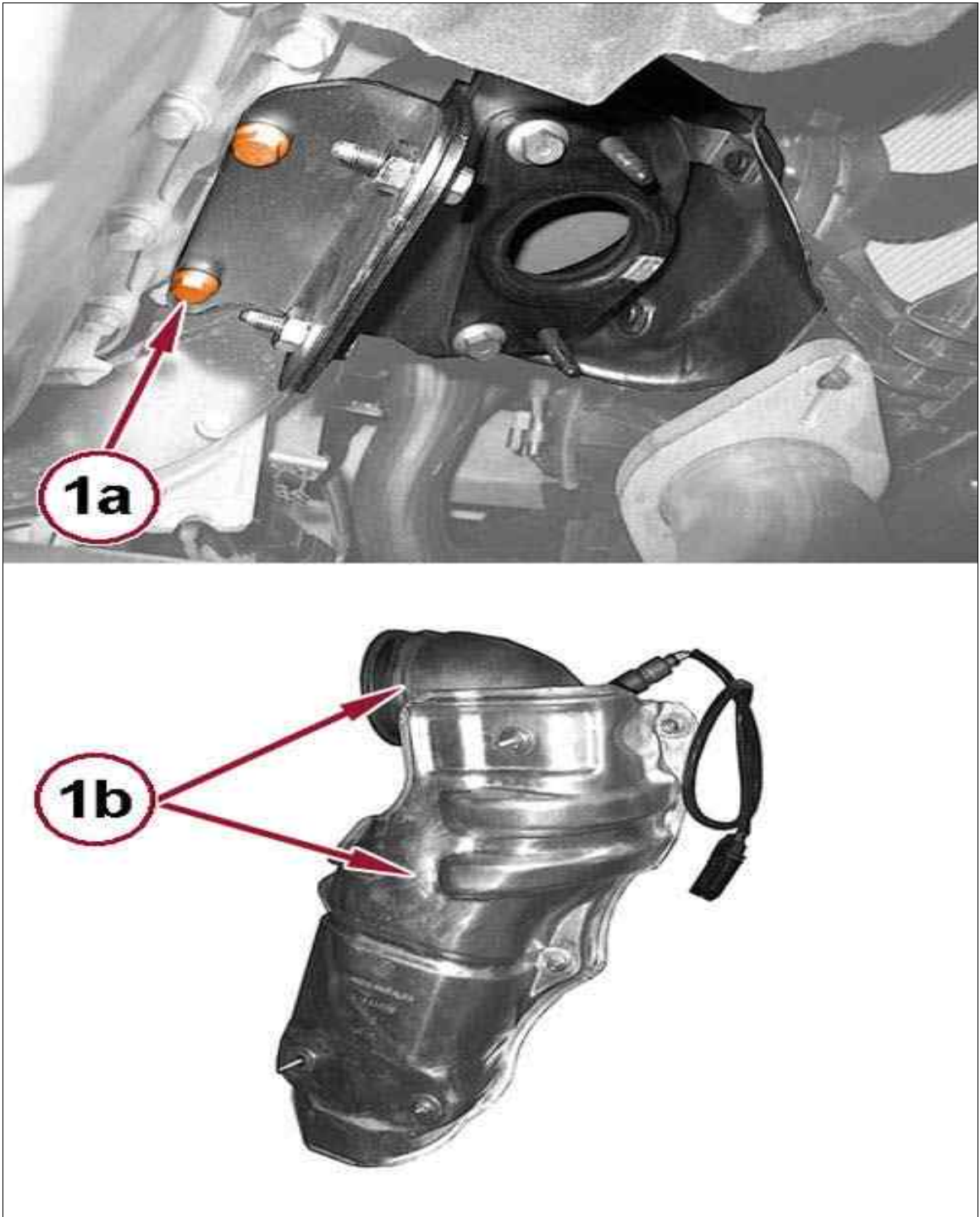
Fig 10: Catalytic Converter & Nuts



Courtesy of CHRYSLER GROUP, LLC

16. Remove the nuts and disengage the discharge pipe from the catalytic converter (1).
17. Remove the gasket.

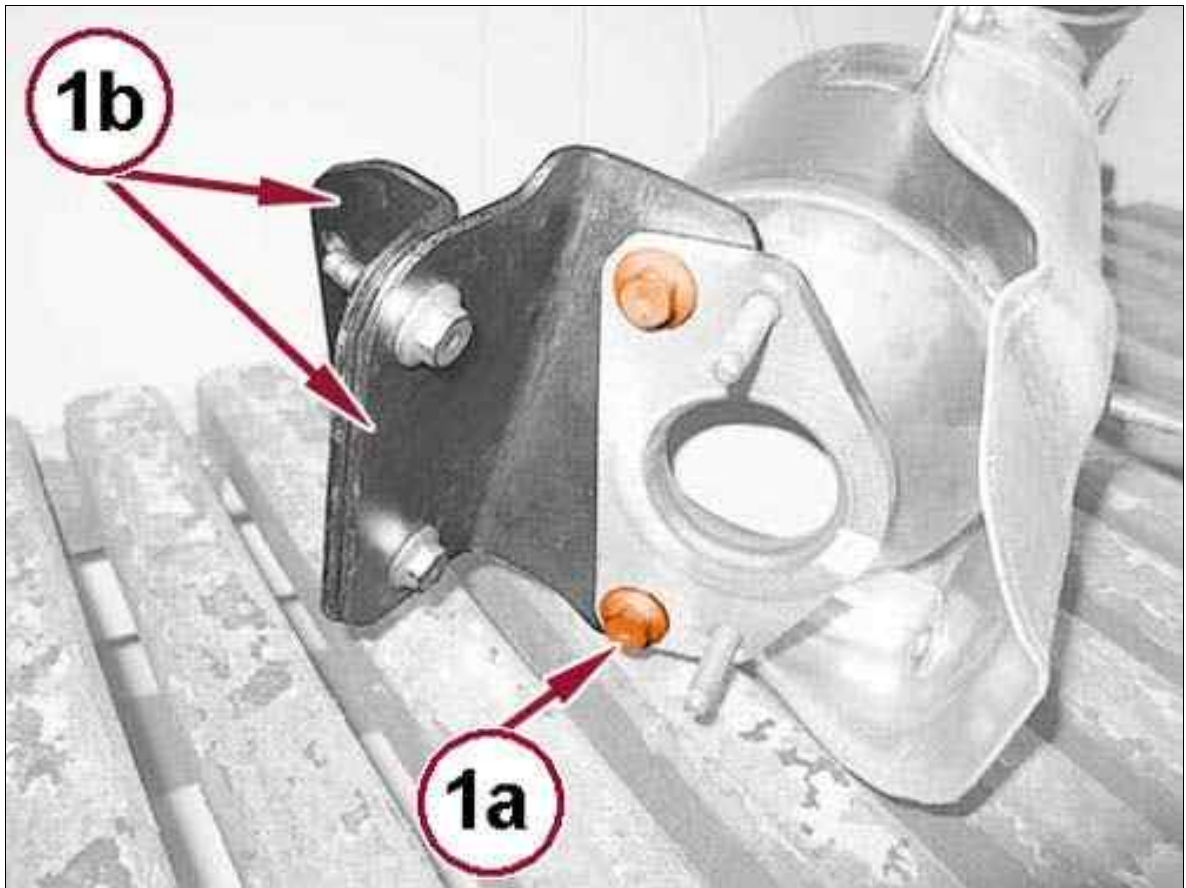
Fig 11: Brackets & Screws



Courtesy of CHRYSLER GROUP, LLC

18. Remove the screws (1a) and remove the catalytic converter with brackets (1b).
19. Remove the gasket from the metal collar connection to the turbocharger.

Fig 12: Catalytic Converter Brackets & Screws



Courtesy of CHRYSLER GROUP, LLC

20. Remove the screws (1a) and remove the catalytic converter brackets (1b).

Fig 13: Heat Shield & Nuts



Courtesy of CHRYSLER GROUP, LLC

21. Remove the nuts (1a) and remove the heat shield (1b) from the catalytic convertor.

Fig 14: Upstream Oxygen Sensor



Courtesy of CHRYSLER GROUP, LLC

22. Unscrew and remove the upstream oxygen sensor (1) at the catalytic converter.

**CONVERTER, CATALYTIC > REMOVAL AND INSTALLATION > 1.4L > INSTALLATION
1.4L**

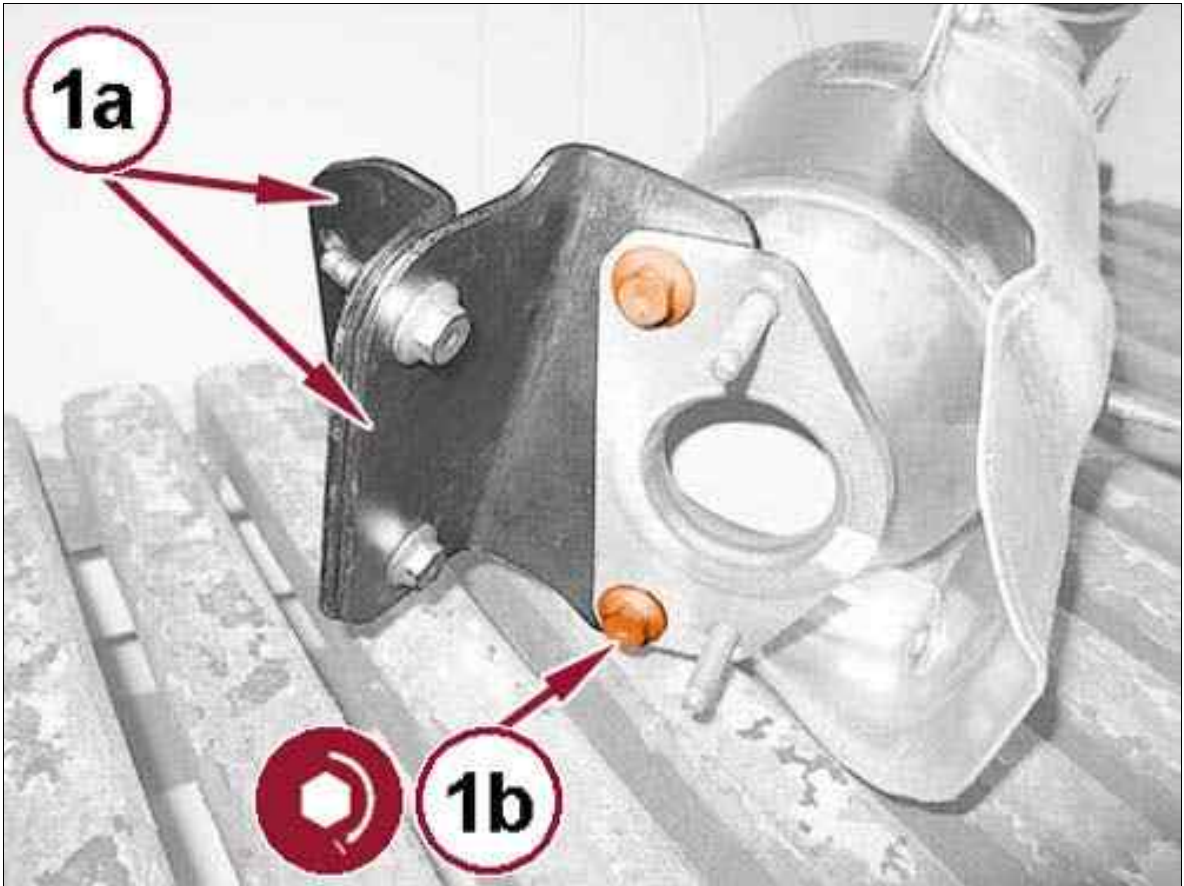
Fig 1: Upstream Oxygen Sensor



Courtesy of CHRYSLER GROUP, LLC

1. Install the upstream oxygen sensor (1) at the catalytic converter. Tighten to the proper torque specification. Refer to SPECIFICATIONS .

Fig 2: Catalytic Converter Support Brackets & Screws



Courtesy of CHRYSLER GROUP, LLC

2. Install the heat shield to the catalytic convertor and tighten the nuts.
3. Install the catalytic converter support brackets (1a) and tighten the screws (1b) to the proper torque specification. Refer to SPECIFICATIONS .

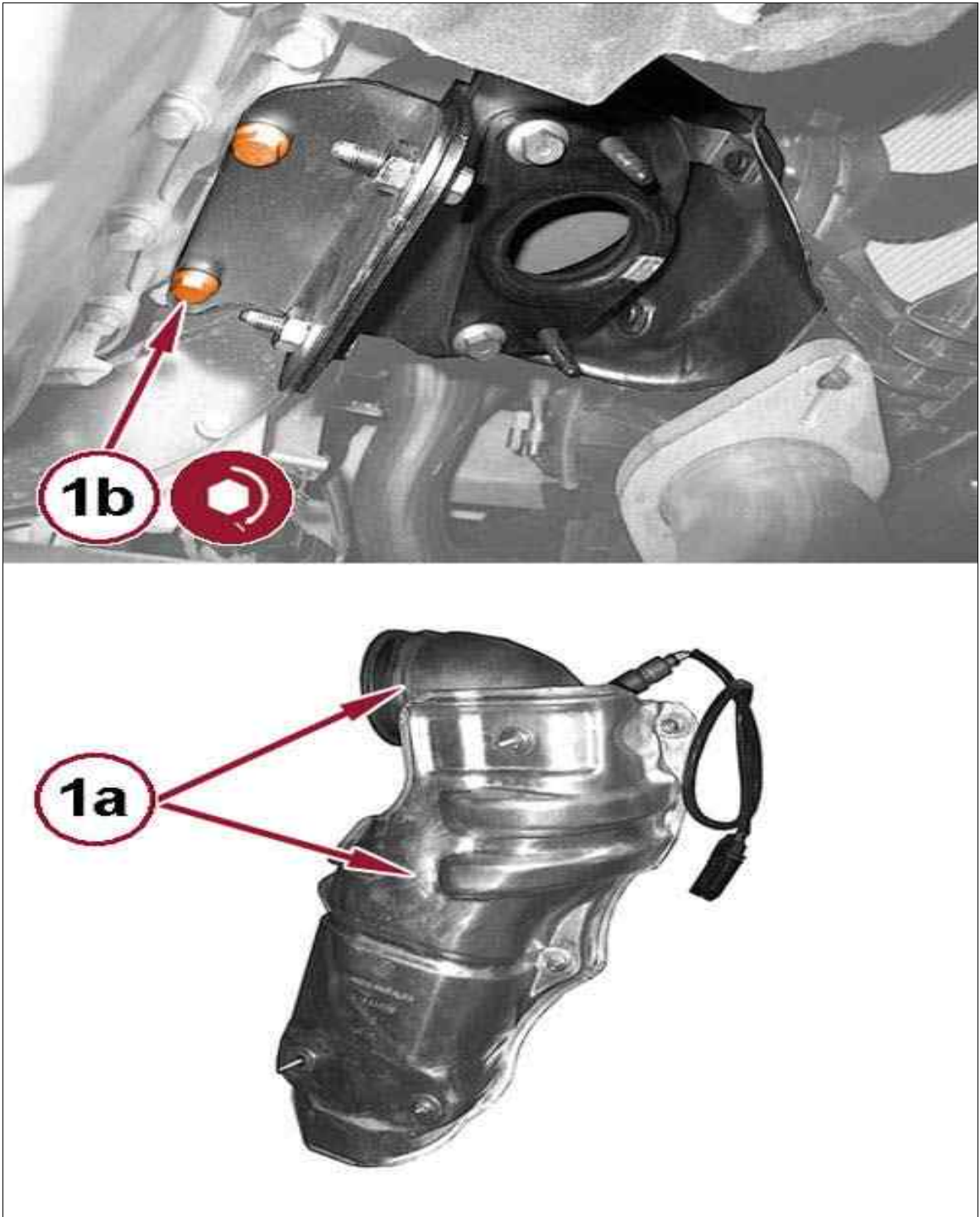
Fig 3: Metal Gasket



Courtesy of CHRYSLER GROUP, LLC

4. Install a new metal gasket matching the references indicated in the illustration (1).

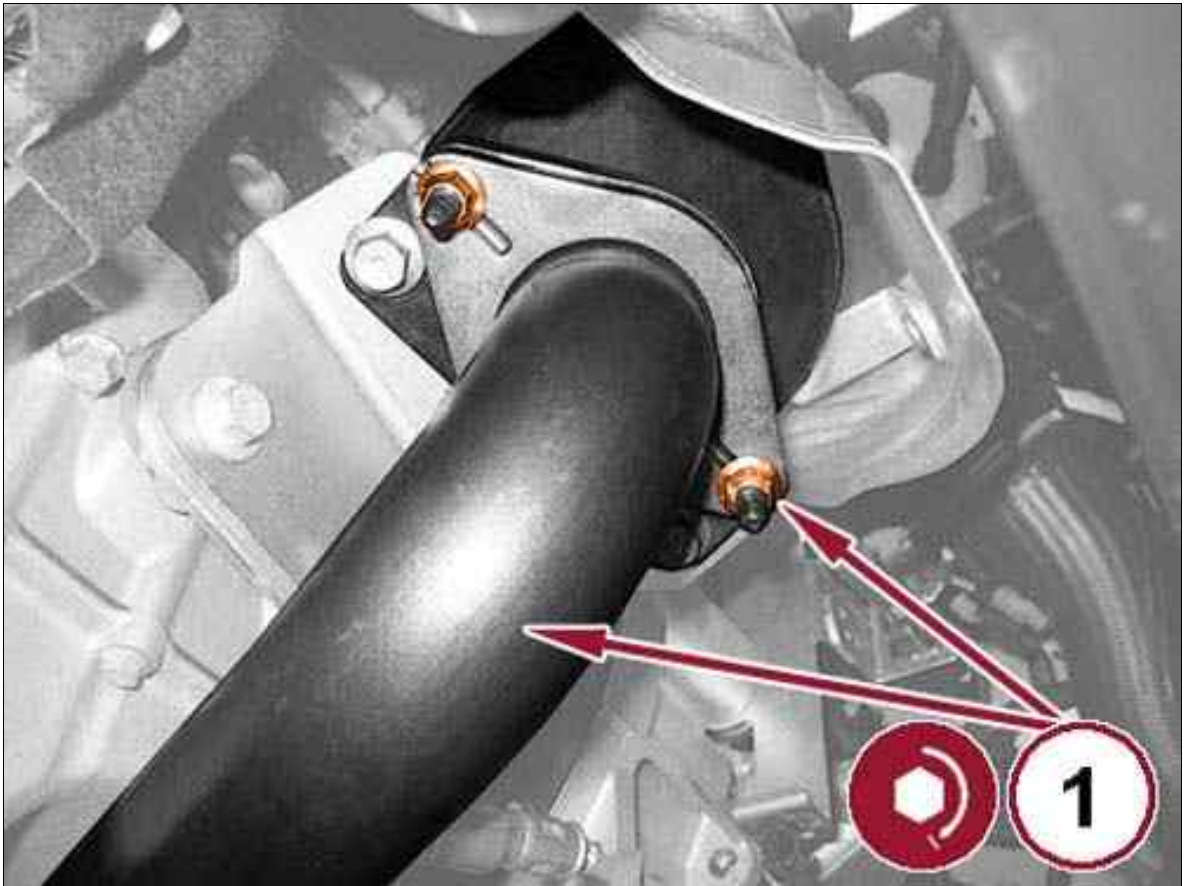
Fig 4: Brackets & Screws



Courtesy of CHRYSLER GROUP, LLC

5. Install the catalytic converter with brackets (1a) and tighten the screws (1b) to the proper torque specification. Refer to SPECIFICATIONS .

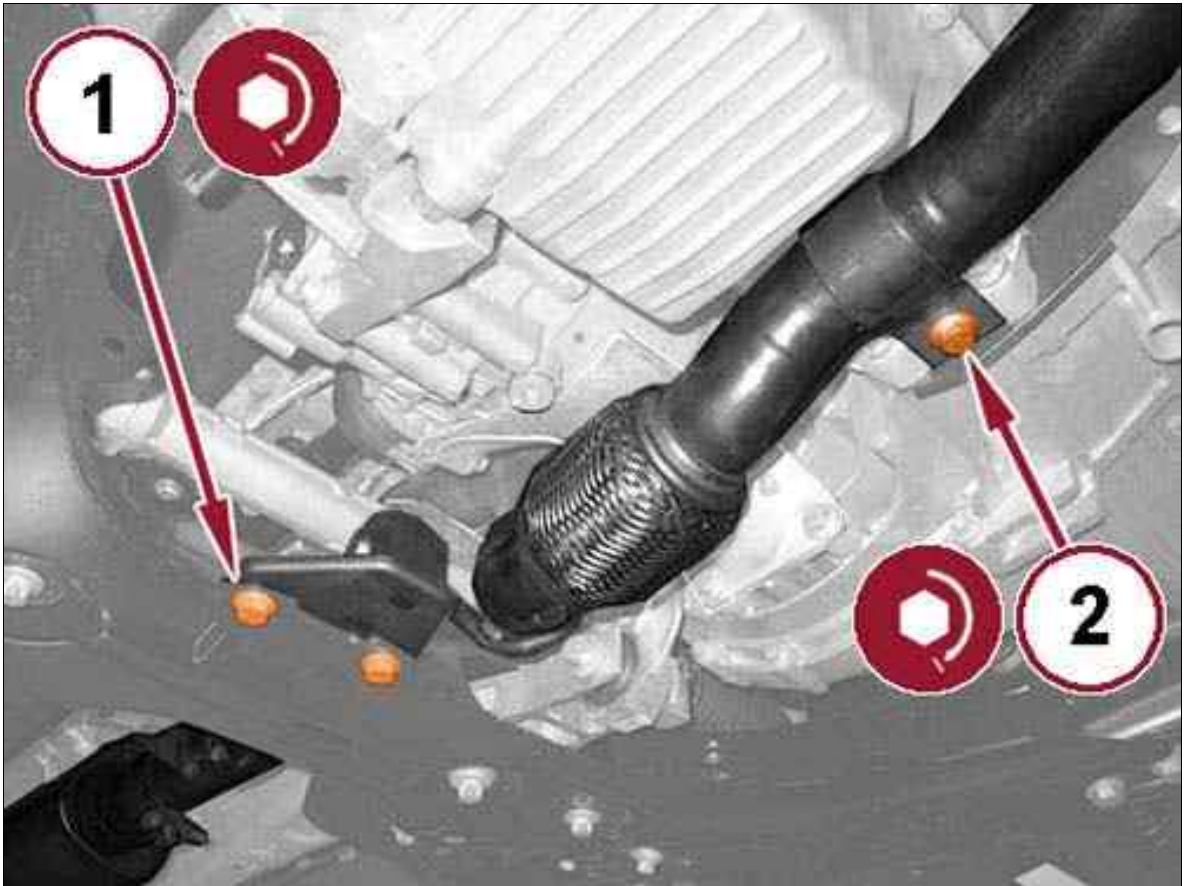
Fig 5: Drain Pipe



Courtesy of CHRYSLER GROUP, LLC

6. Connect the drain pipe (1) to the catalytic converter, complete with new gasket and tighten the new nuts to the proper torque specification. Refer to SPECIFICATIONS .

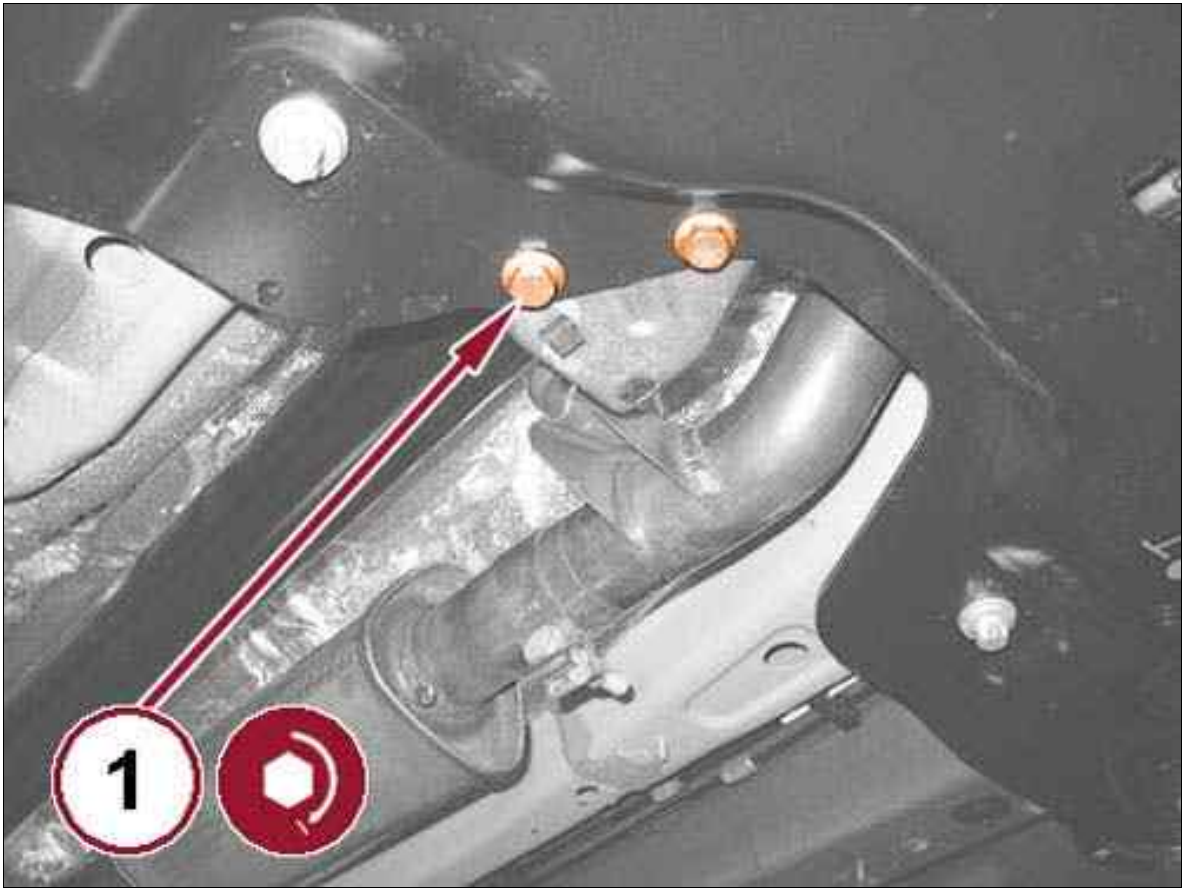
Fig 6: Discharge Pipe Screws



Courtesy of CHRYSLER GROUP, LLC

7. Tighten screws (1) for the front exhaust pipe support bracket to the proper torque specification. Refer to SPECIFICATIONS .
8. Tighten the discharge pipe screw (2) to the proper torque specification. Refer to SPECIFICATIONS .

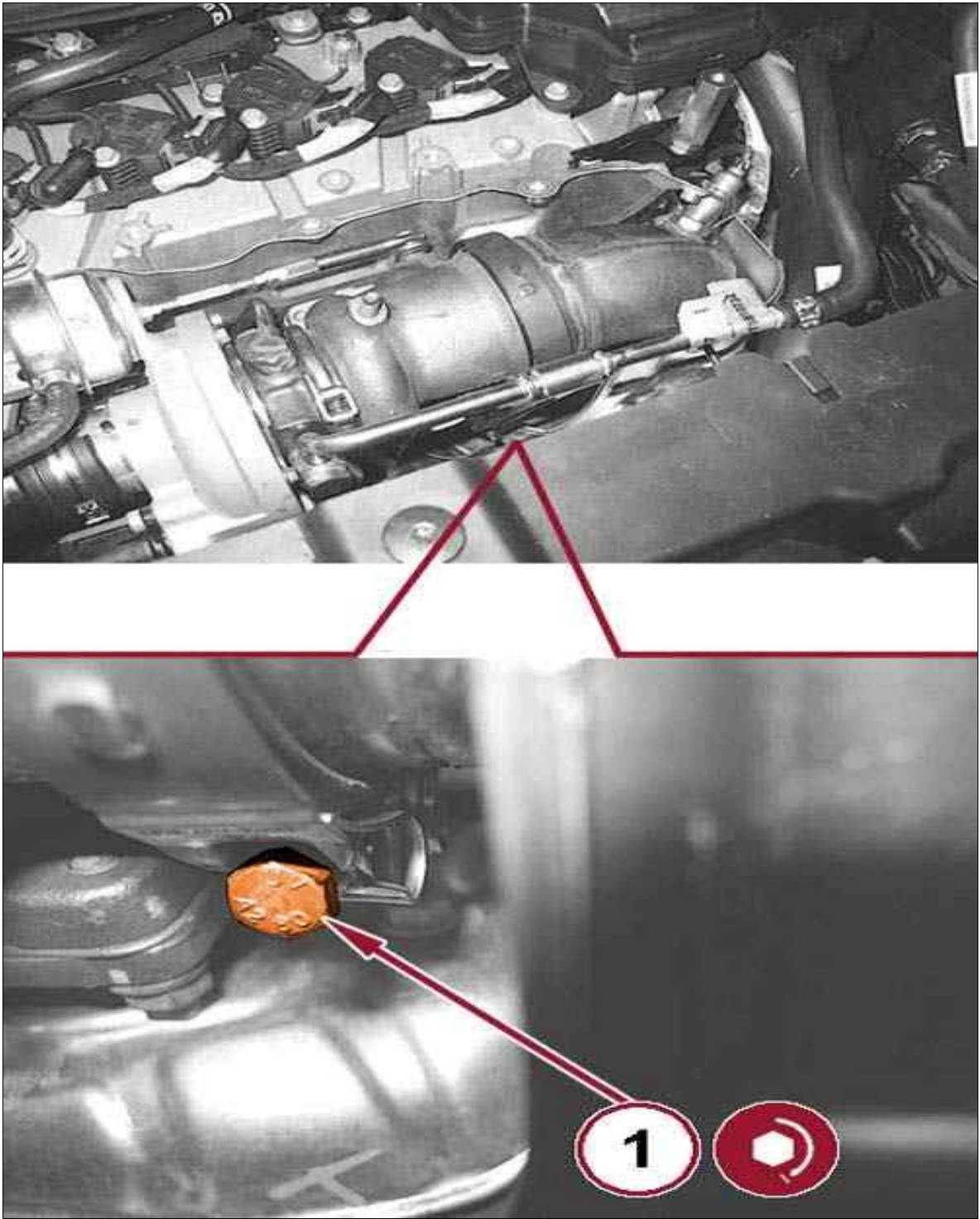
Fig 7: Rear Bracket Screws



Courtesy of CHRYSLER GROUP, LLC

9. Tighten the screws (1) of the rear bracket supporting the exhaust pipe. Tighten to the proper torque specification. Refer to SPECIFICATIONS .
10. Connect the electrical connection of the upstream oxygen sensor and engage the harness with the clip retainer.
11. Connect the electrical connection of the downstream oxygen sensor and engage the harness with the clip retainer.

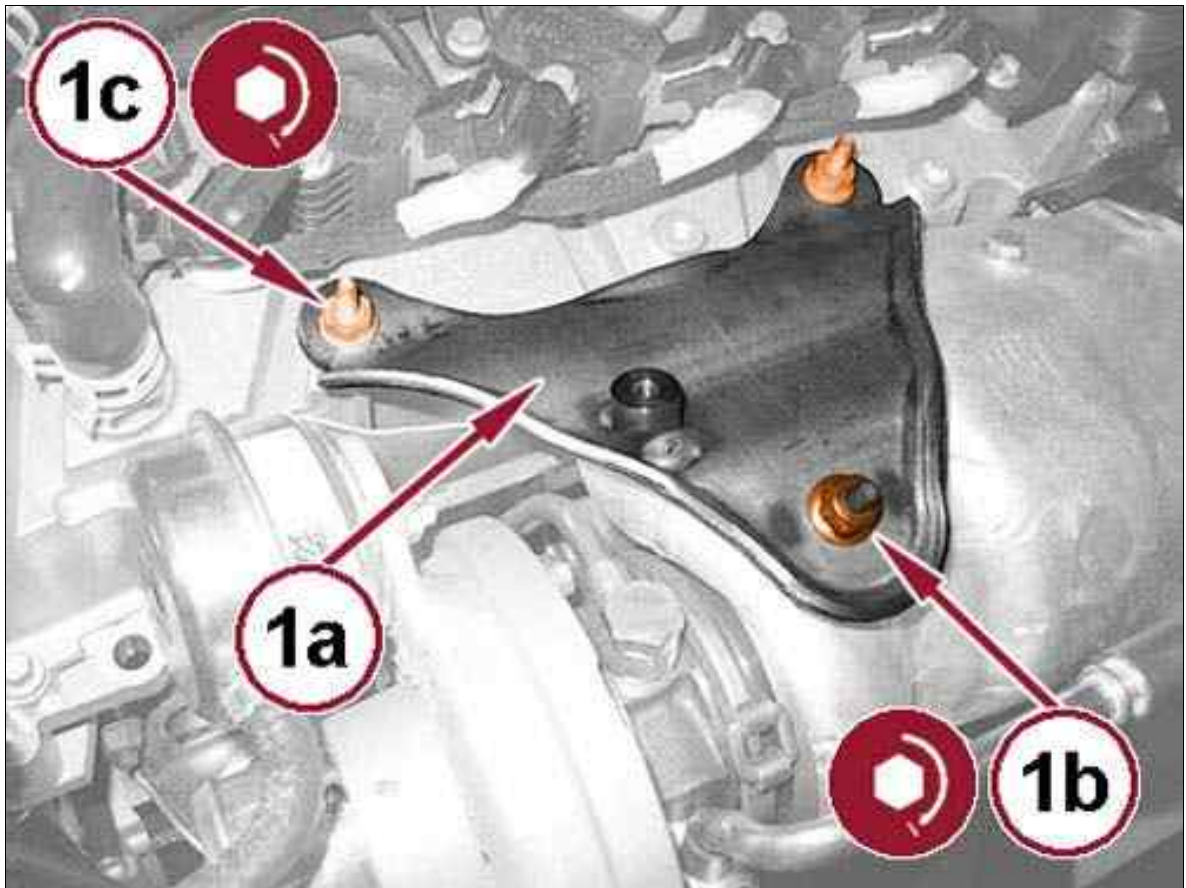
Fig 8: Catalytic Converter To The Turbocharger Retaining Screw



Courtesy of CHRYSLER GROUP, LLC

12. Install the screw retaining the catalytic converter to the turbocharger. Tighten to the proper torque specification. Refer to SPECIFICATIONS .
13. Engage the upstream oxygen sensor wiring harness to the wiring retaining clip.
14. Install the turbocharger heat shield.

Fig 9: Turbocharger Support Bracket, Nut & Screws



Courtesy of CHRYSLER GROUP, LLC

15. Install the turbocharger support bracket (1a), tighten the new nut (1b) and screws (1c) to the proper torque specification. Refer to SPECIFICATIONS .
16. Install the ignition coils heat shelter and tighten its hardware.
17. Remove the vehicle from the lift.
18. Install the engine beauty cover. Refer to COVER, ENGINE, REMOVAL AND INSTALLATION for 1.6L/2.0L Diesel, COVER, ENGINE, REMOVAL AND INSTALLATION for 1.4L or COVER, ENGINE, REMOVAL AND INSTALLATION for 2.4L.
19. Connect the negative battery cable.

CONVERTER, CATALYTIC > REMOVAL AND INSTALLATION > 2.4L > REMOVAL 2.4L

The catalytic converter is integrated into the exhaust manifold. Refer to MANIFOLD, EXHAUST, REMOVAL AND INSTALLATION for 1.6L/2.0L Diesel or MANIFOLD, EXHAUST, REMOVAL AND INSTALLATION for 2.4L.

CONVERTER, CATALYTIC > REMOVAL AND INSTALLATION > 2.4L > INSTALLATION

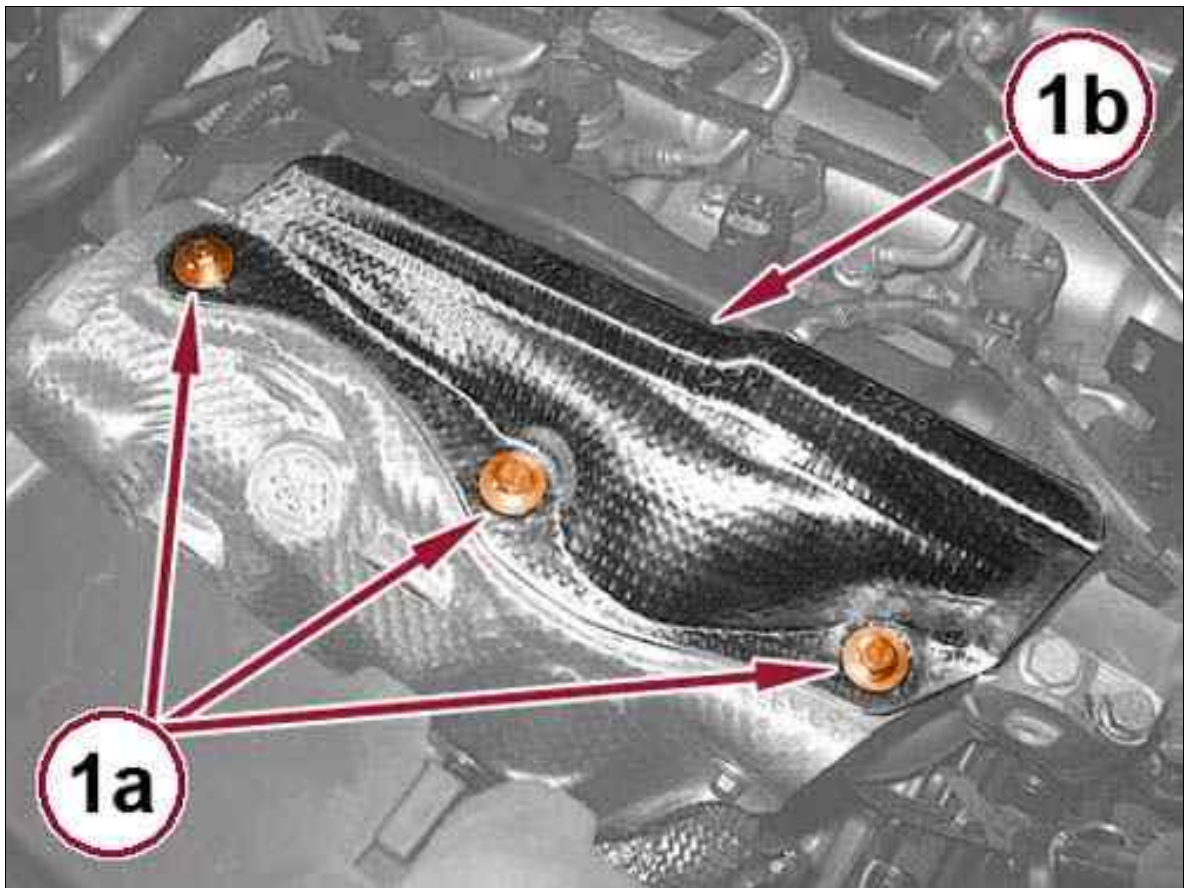
2.4L

The catalytic converter is integrated into the exhaust manifold. Refer to MANIFOLD, EXHAUST, REMOVAL AND INSTALLATION for 1.6L/2.0L Diesel or MANIFOLD, EXHAUST, REMOVAL AND INSTALLATION for 2.4L.

FILTER, DIESEL PARTICULATE > REMOVAL AND INSTALLATION > 1.6L DIESEL > REMOVAL

1. Raise and support the vehicle. Refer to HOISTING, STANDARD PROCEDURE .
2. Remove the engine cover. Refer to COVER, ENGINE, REMOVAL AND INSTALLATION for 1.6L/2.0L Diesel, COVER, ENGINE, REMOVAL AND INSTALLATION for 1.4L or COVER, ENGINE, REMOVAL AND INSTALLATION for 2.4L.

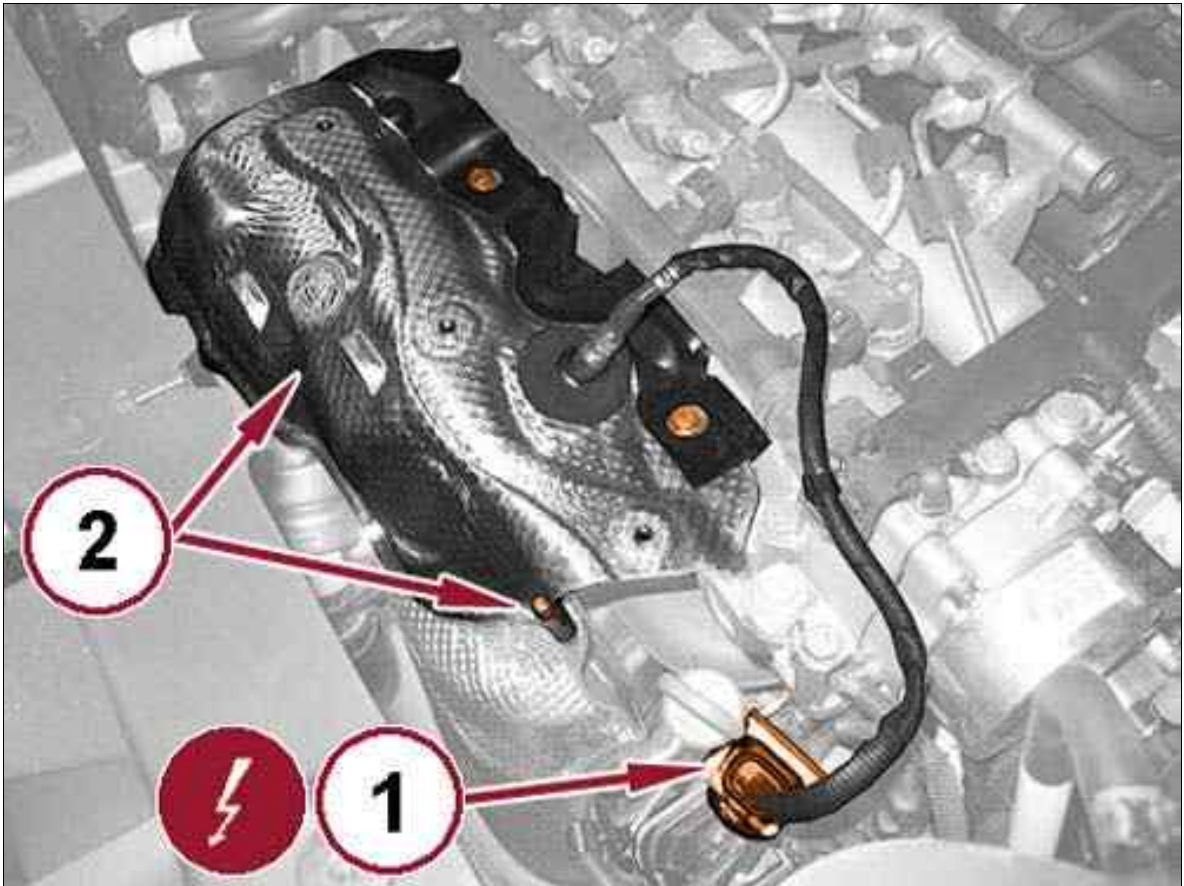
Fig 1: Heat Shield & Screws



Courtesy of CHRYSLER GROUP, LLC

3. Remove the screws (1a) and remove the heat shield top of the turbocharger (1b).

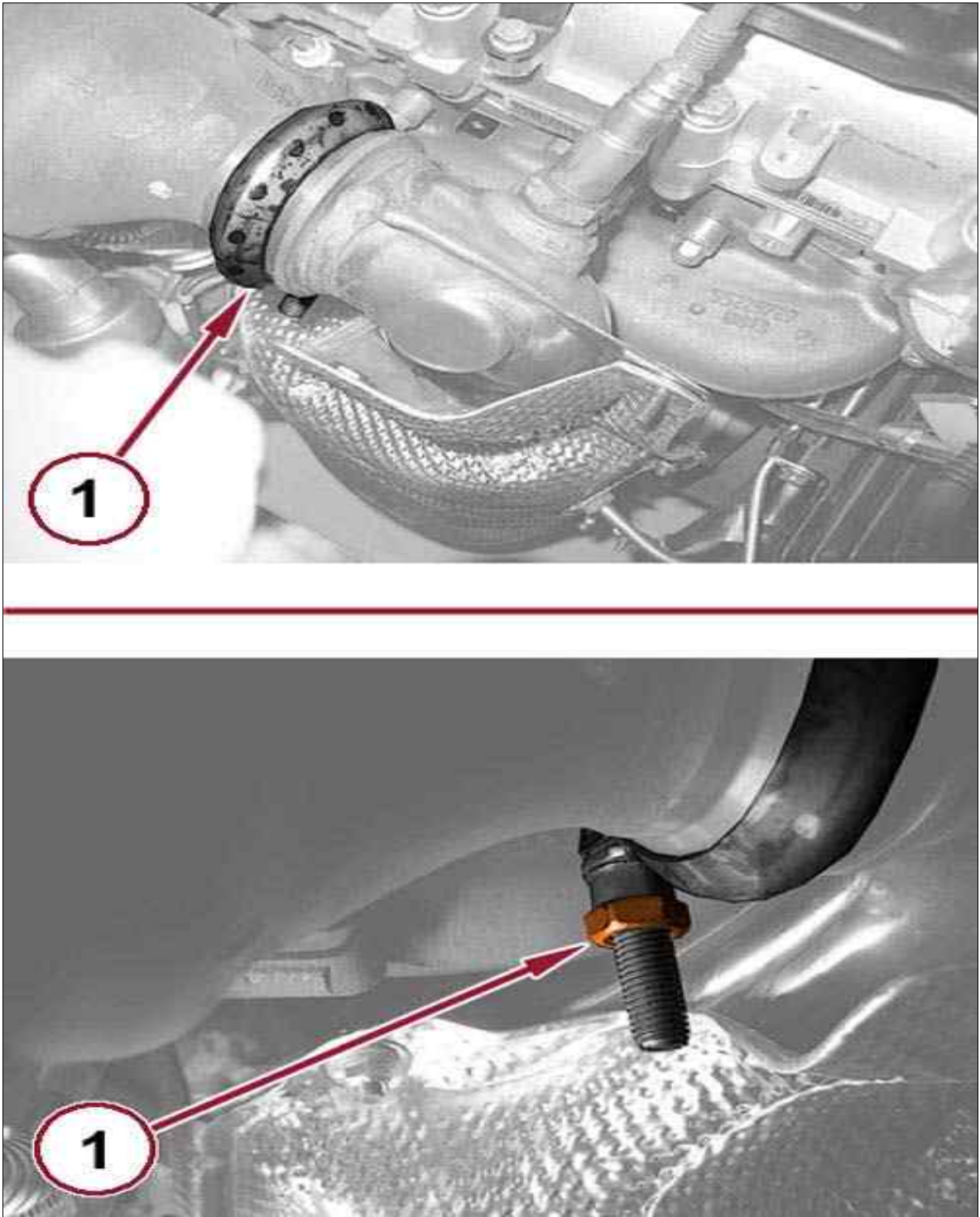
Fig 2: Heat Shield, Clamps & Electrical Connection



Courtesy of CHRYSLER GROUP, LLC

4. Disconnect the electrical connection (1) of the oxygen sensor.
5. Remove the clamps (2) and remove the heat shield from bottom of the turbocharger.

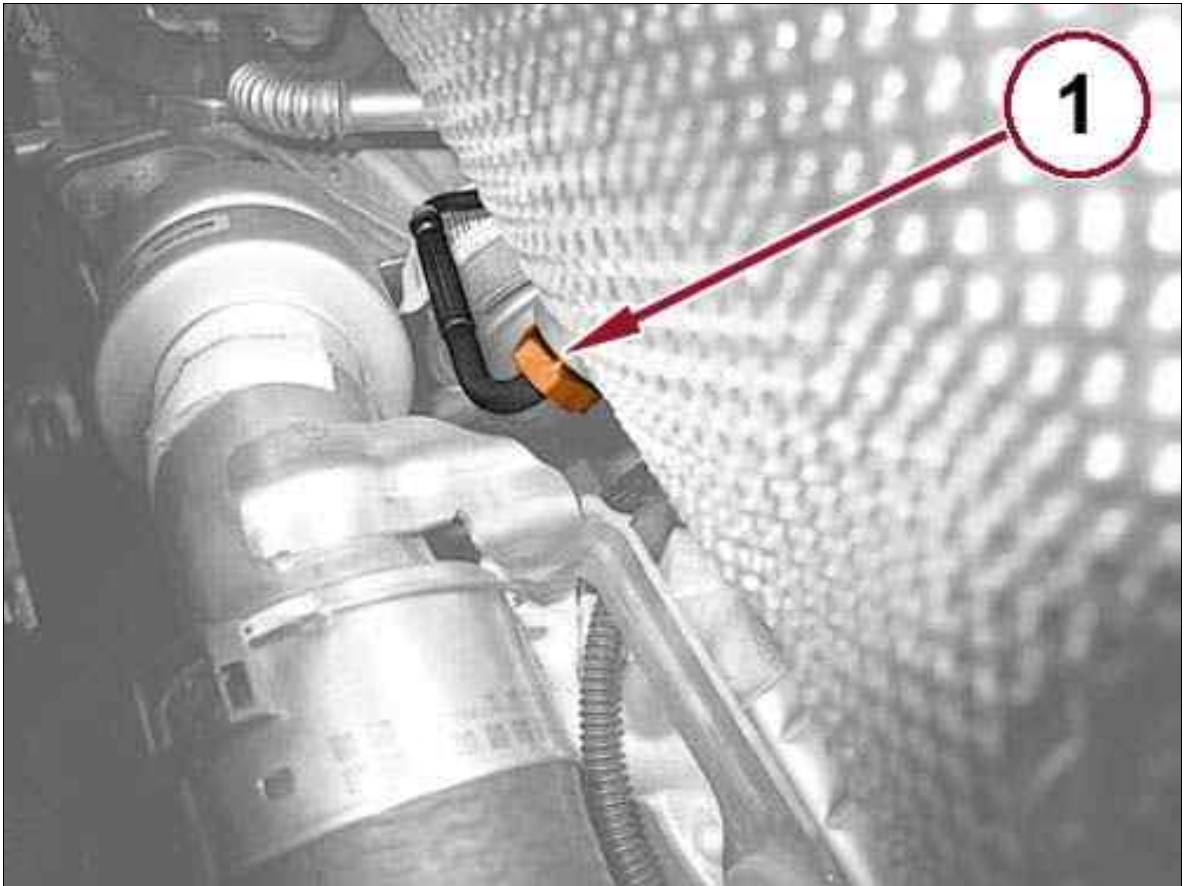
Fig 3: Clamp Securing Nut



Courtesy of CHRYSLER GROUP, LLC

6. Unscrew the nut (1) securing clamp to the particulate filter to turbocharger.

Fig 4: Exhaust Gas Temperature Sensor Union Nut



Courtesy of CHRYSLER GROUP, LLC

7. Unscrew the union (1) and disconnect the exhaust gas temperature sensor from the particulate filter.

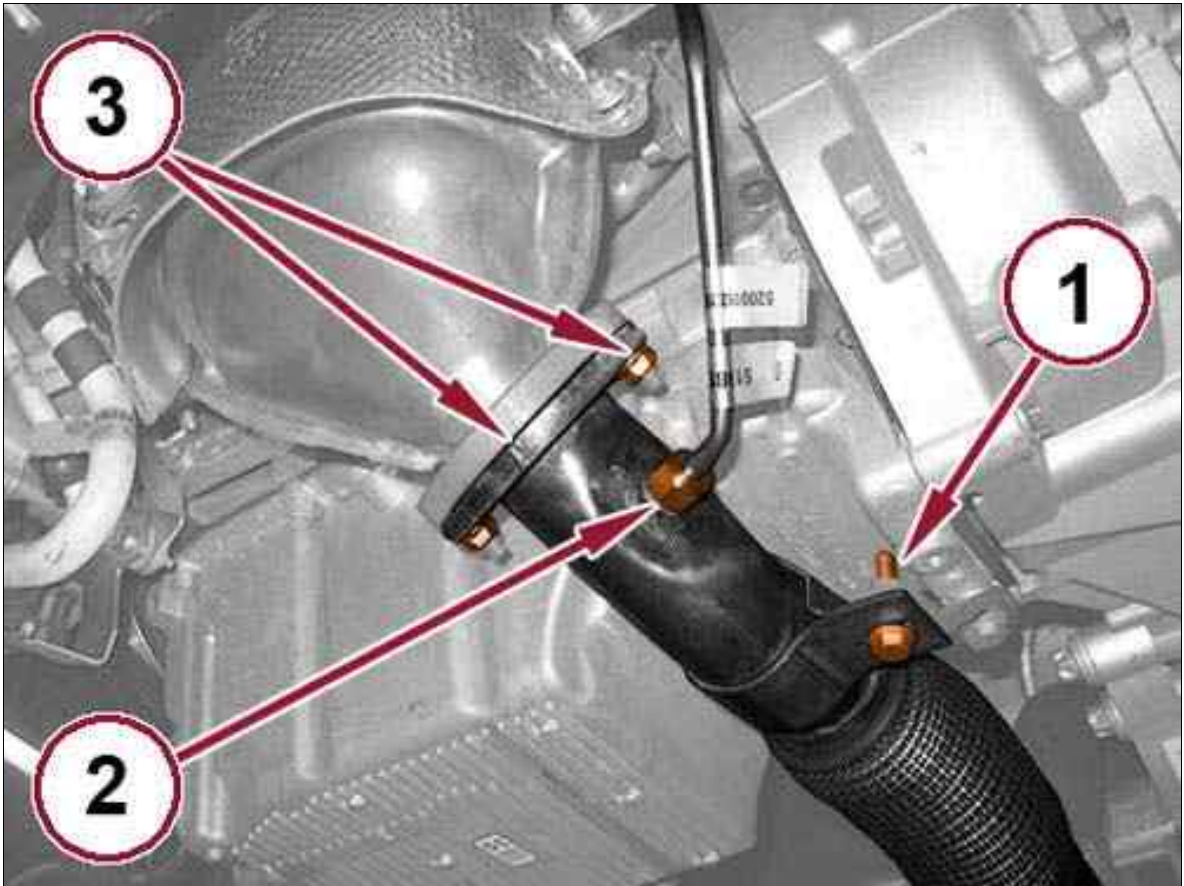
Fig 5: Upstream Pressure Sensor Pipe Fittings



Courtesy of CHRYSLER GROUP, LLC

8. Unscrew the fittings (1) and remove the pipe fitting to the upstream pressure sensor of the particulate filter.

Fig 6: Screw Clamp, Fitting & Nuts



Courtesy of CHRYSLER GROUP, LLC

9. Unscrew the screw clamp (1) to the support bracket exhaust pipe.
10. Unscrew the fitting (2) and disconnect the intake piping to the pressure sensor for exhaust gas, downstream of the particulate filter.
11. Unscrew the nuts (3) and disconnect the exhaust pipe from the particulate filter.
12. Remove the gasket.

Fig 7: Particulate Filter Nuts



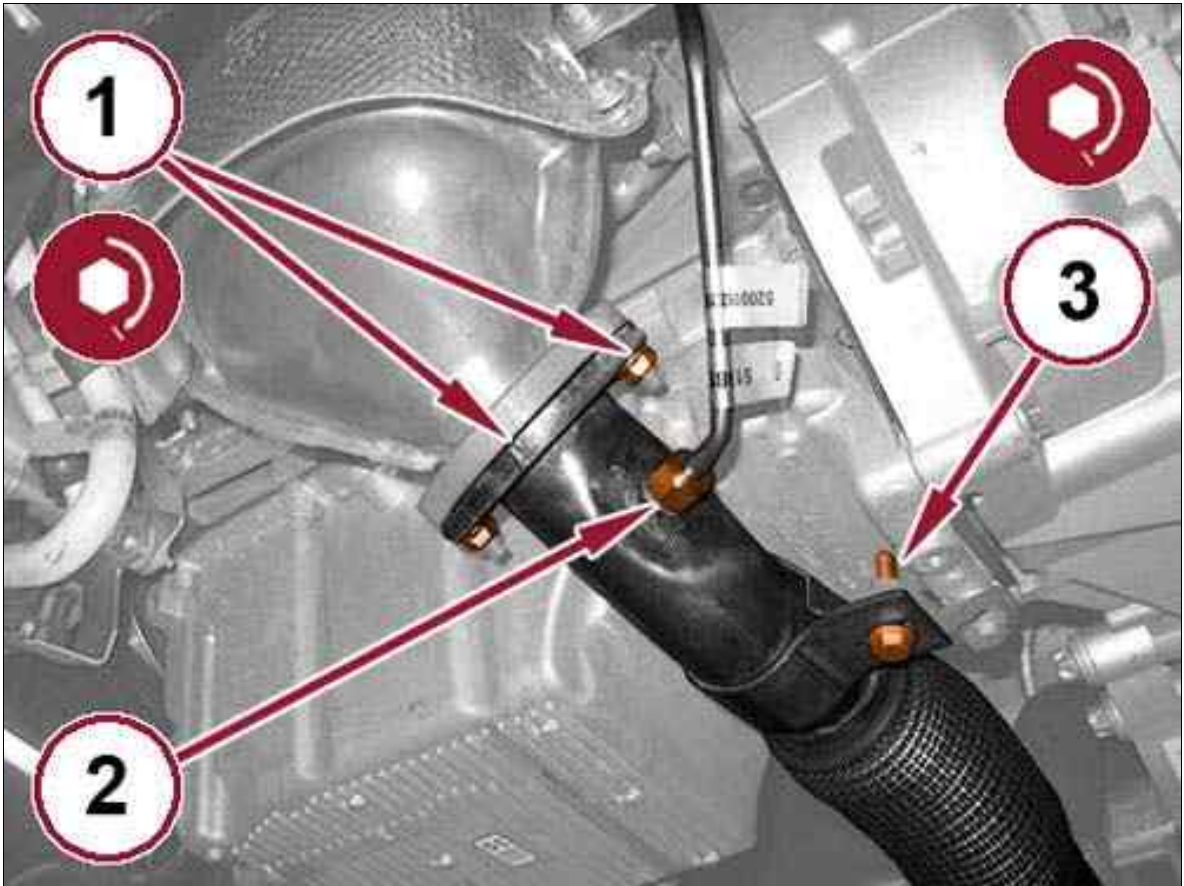
Courtesy of CHRYSLER GROUP, LLC

13. Unscrew the nuts (1) and remove the particulate filter with the oxygen sensor and heat shield.

FILTER, DIESEL PARTICULATE > REMOVAL AND INSTALLATION > 1.6L DIESEL > INSTALLATION

1. Put into place the particulate filter with the oxygen sensor, heat shield and tighten its nuts.

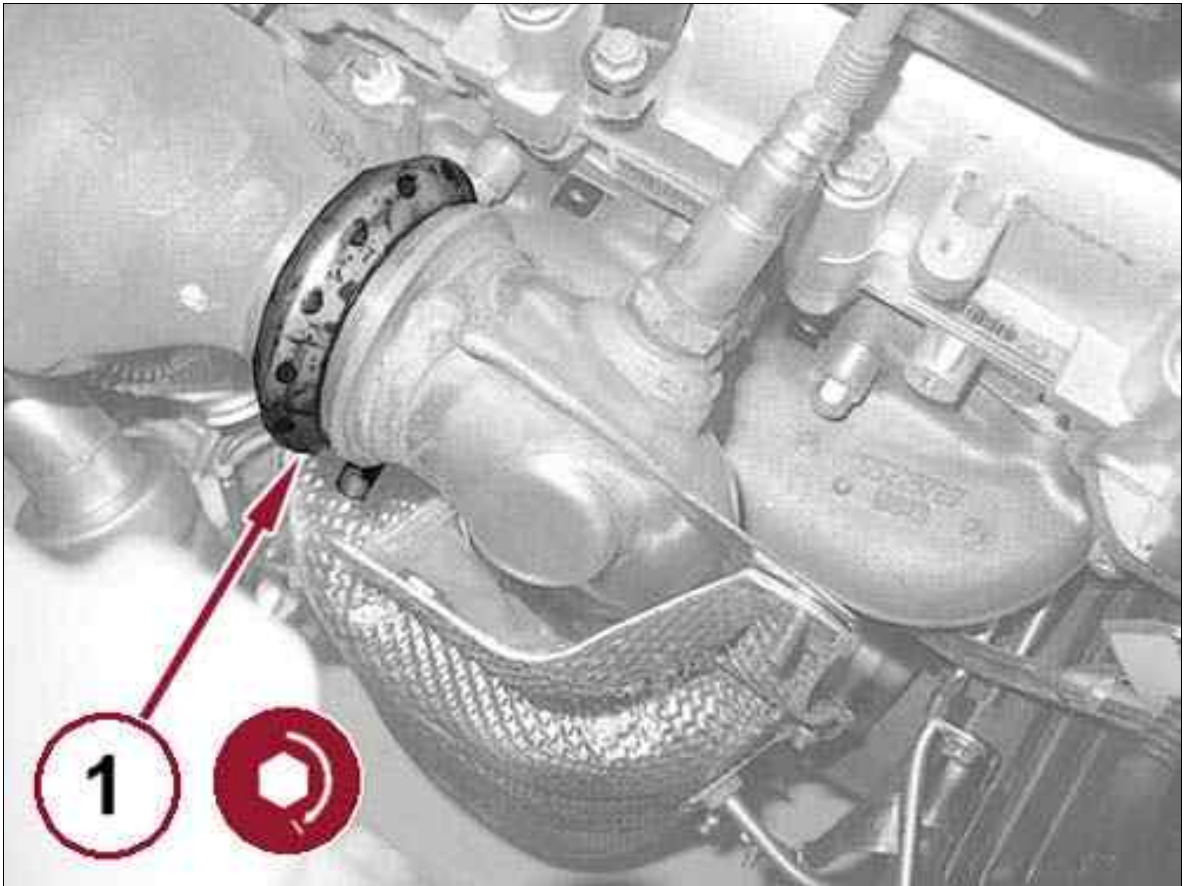
Fig 1: Exhaust Pipe Support Bracket Bolt, Fitting & Nuts



Courtesy of CHRYSLER GROUP, LLC

2. Connect the exhaust pipe to the particulate filter, using a new gasket and tighten the nuts (1) to the proper torque specification. Refer to SPECIFICATIONS .
3. Tighten the fitting (2) of the downstream exhaust pressure sensor of the particulate filter.
4. Tighten the exhaust pipe support bracket bolt (3) to the proper torque specification. Refer to SPECIFICATIONS .
5. Put into place the tube for outlet of the upstream pressure sensor of the particulate filter and tighten its fittings.
6. Put into place the exhaust gas temperature sensor on the particulate filter and tighten the connector to the proper torque specification. Refer to SPECIFICATIONS .

Fig 2: Particulate Filter Collar



Courtesy of CHRYSLER GROUP, LLC

7. Tighten the turbocharger to particulate filter fixing collar (1) to the proper torque specification. Refer to SPECIFICATIONS .
8. Put into place the bottom of the turbocharger heat shield and tighten its hardware.
9. Connect the electrical connection of the oxygen sensor.
10. Put into place on top of the turbocharger the heat shield and tighten the screws.
11. Install the engine cover. Refer to COVER, ENGINE, REMOVAL AND INSTALLATION for 1.6L/2.0L Diesel, COVER, ENGINE, REMOVAL AND INSTALLATION for 1.4L or COVER, ENGINE, REMOVAL AND INSTALLATION for 2.4L.
12. Remove the vehicle from the lift.

FILTER, DIESEL PARTICULATE > REMOVAL AND INSTALLATION > 2.0L DIESEL 120/140CV > REMOVAL

1. Raise and support the vehicle. Refer to HOISTING, STANDARD PROCEDURE .
2. Remove the right front wheel. Refer to REMOVAL AND INSTALLATION .
3. Remove the right front splash shield. Refer to SHIELD, SPLASH, FRONT WHEELHOUSE,

REMOVAL AND INSTALLATION .

4. Remove the engine belly pan. Refer to BELLY PAN, REMOVAL AND INSTALLATION or BELLY PAN, SIDE, REMOVAL AND INSTALLATION .
5. Remove the engine cover. Refer to COVER, ENGINE, REMOVAL AND INSTALLATION for 1.6L/2.0L Diesel, COVER, ENGINE, REMOVAL AND INSTALLATION for 1.4L or COVER, ENGINE, REMOVAL AND INSTALLATION for 2.4L.
6. Remove the upstream exhaust gas temperature sensor. Refer to SENSOR, EXHAUST TEMPERATURE, REMOVAL AND INSTALLATION .

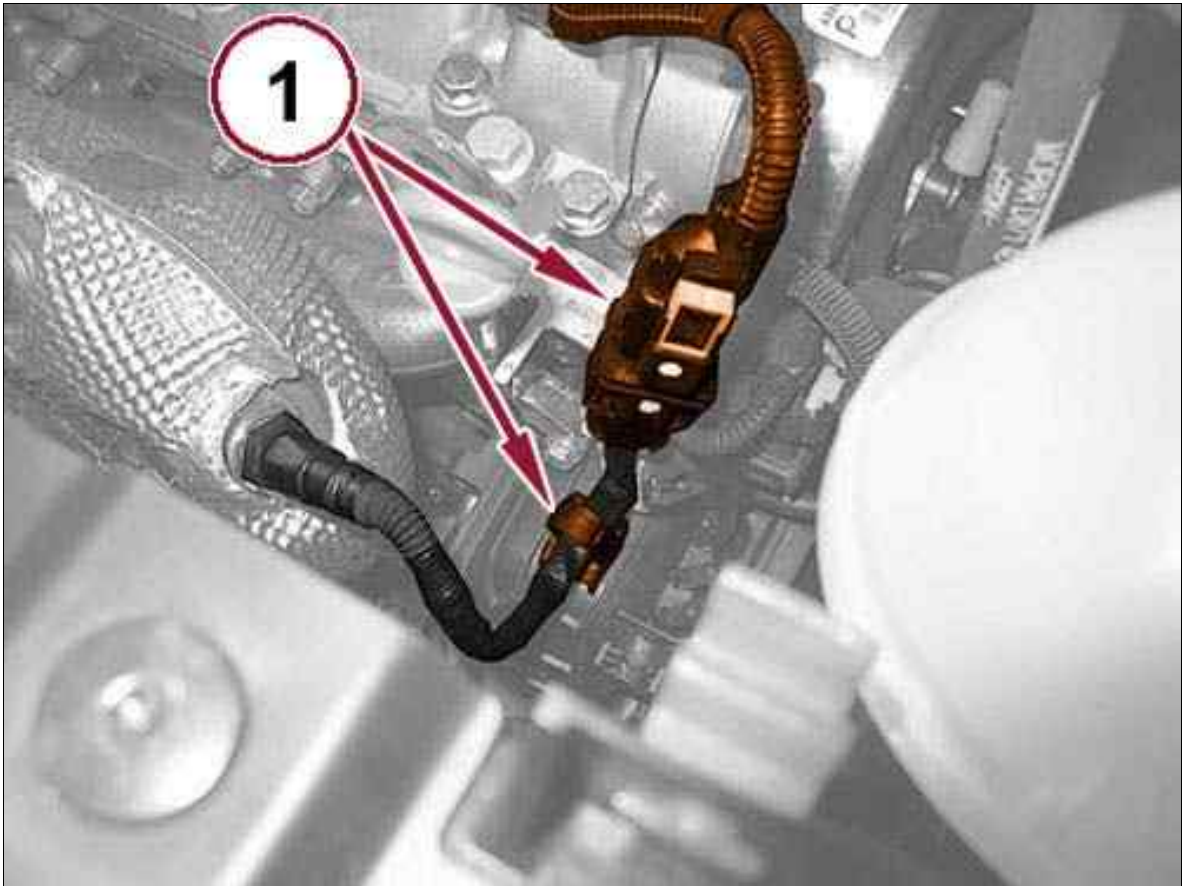
Fig 1: Turbocharger Heat Shield & Nuts



Courtesy of CHRYSLER GROUP, LLC

7. Remove the clamps (1) and remove the turbocharger heat shield.

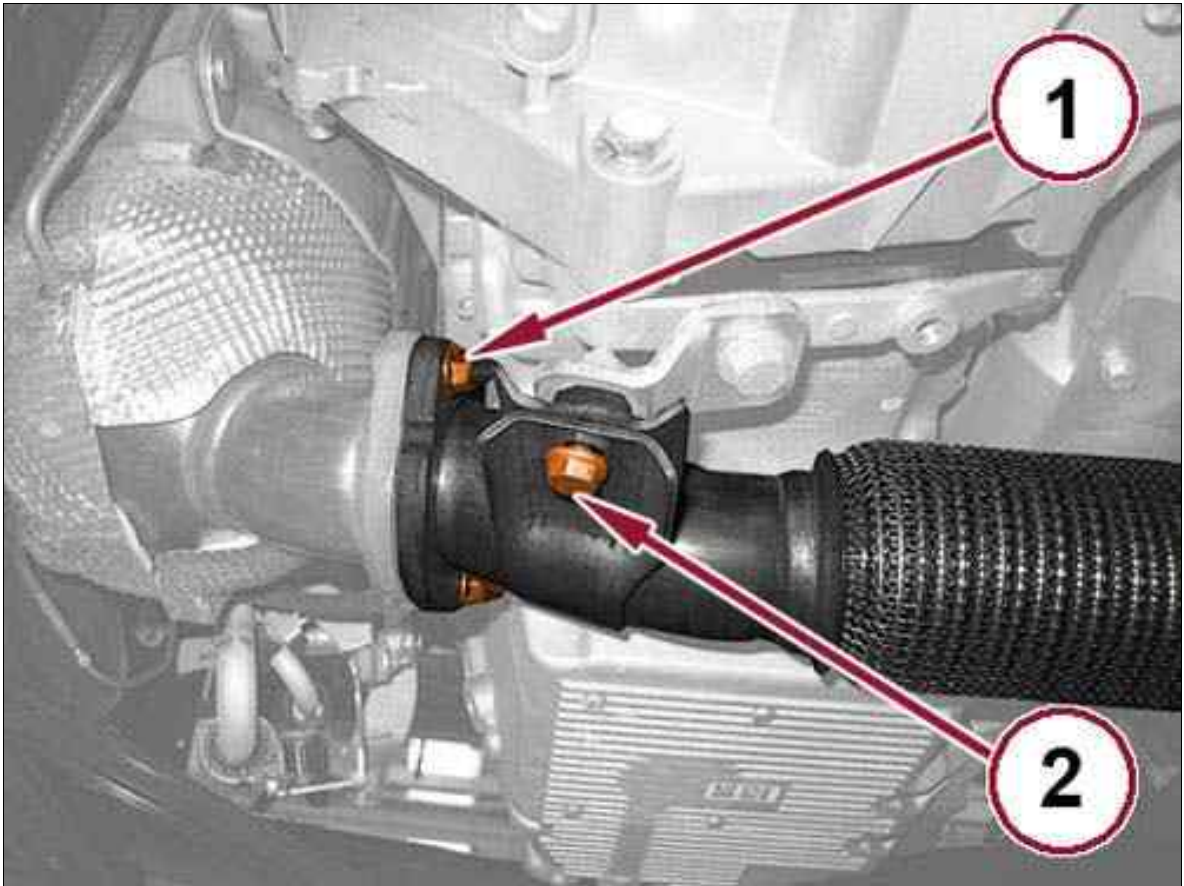
Fig 2: Upstream Oxygen Sensor Electrical Connection



Courtesy of CHRYSLER GROUP, LLC

8. Disconnect the electrical connection (1) of the oxygen sensor upstream of the catalyst and unhook the harness from retaining clip.

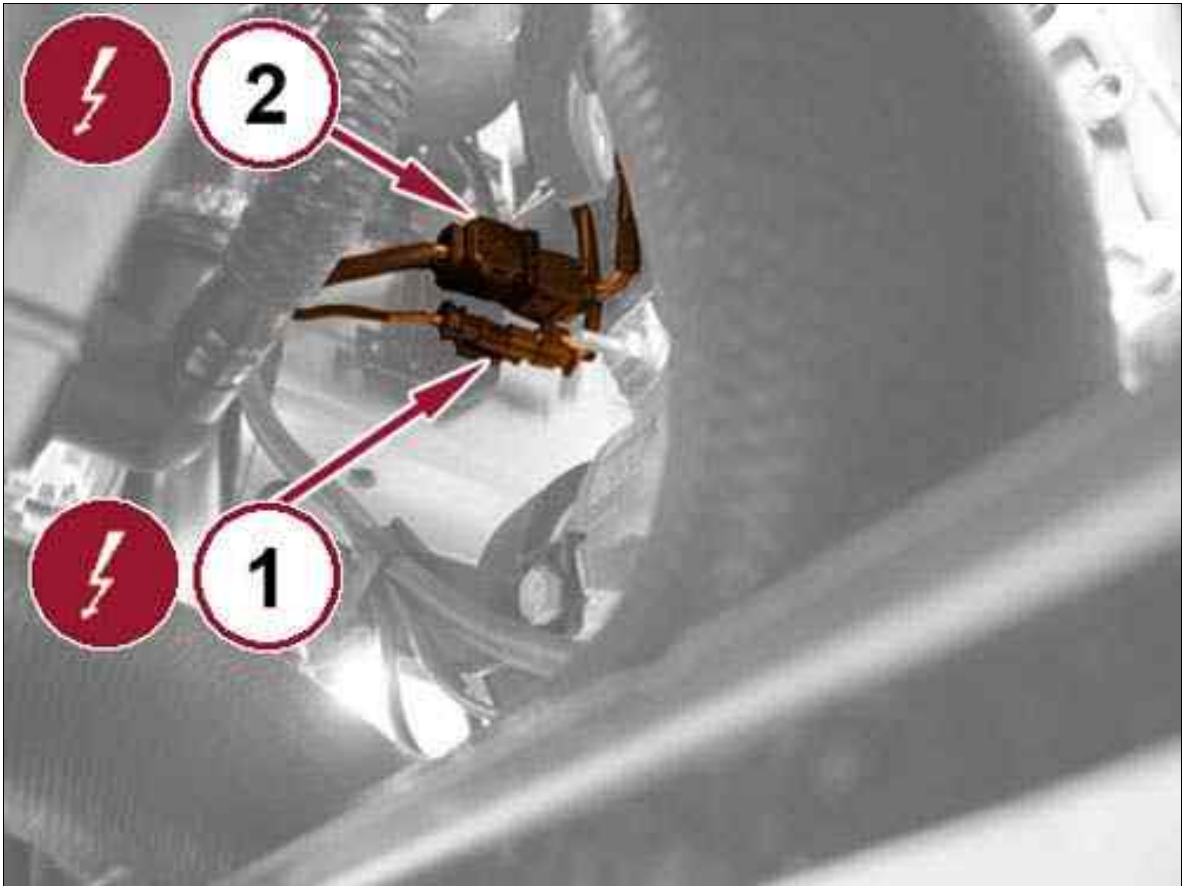
Fig 3: Exhaust Pipe, Bracket Bolt & Nuts



Courtesy of CHRYSLER GROUP, LLC

9. Remove the bolt (1) from the exhaust pipe bracket.
10. Remove the nuts (2a) and disconnect the exhaust pipe (2b) from the DPF.
11. Remove the gasket.

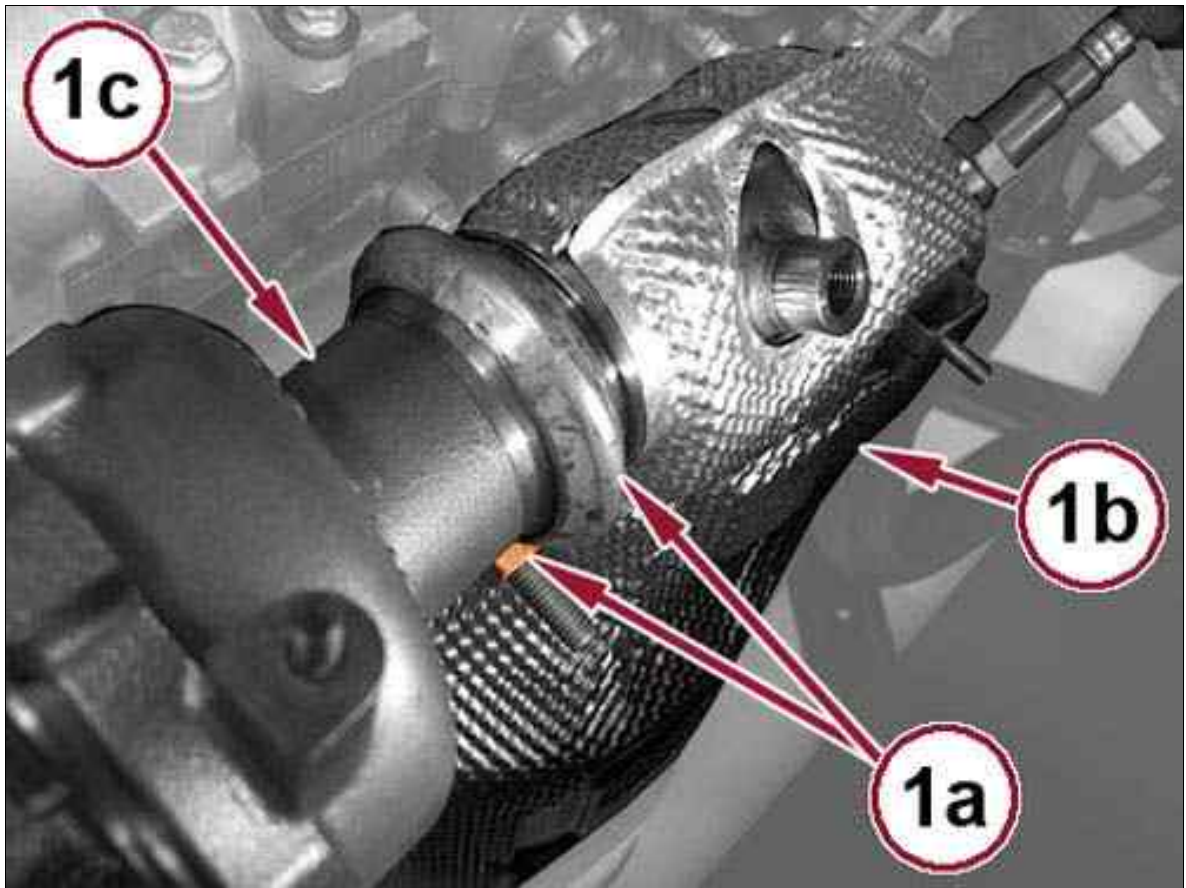
Fig 4: Downstream Exhaust Gas Temperature Sensor & Oxygen Sensor Electrical Connection



Courtesy of CHRYSLER GROUP, LLC

12. Disconnect the electrical connection (1) of the downstream exhaust gas temperature sensor of the DPF.
13. Disconnect the electrical connection (2) of the oxygen sensor downstream of the DPF.

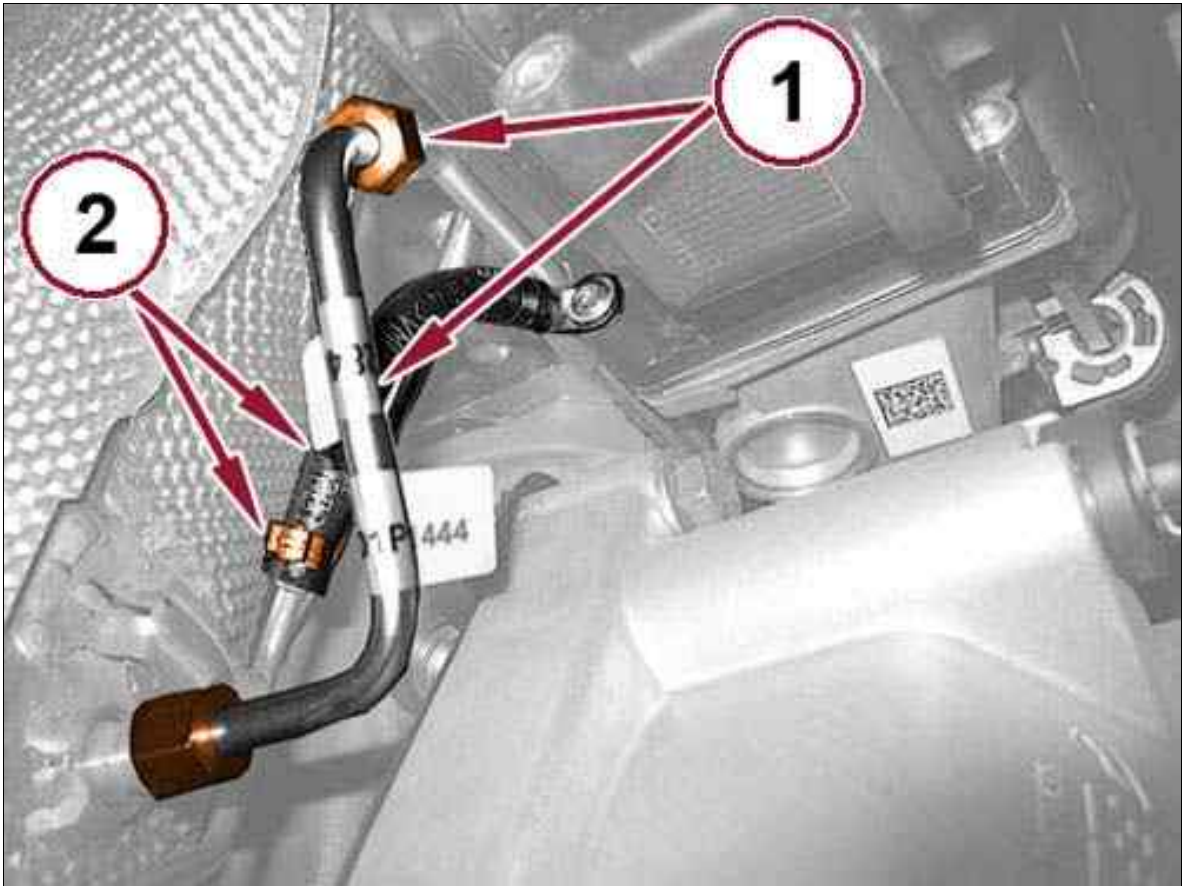
Fig 5: Turbocharger, Clamp & Nut



Courtesy of CHRYSLER GROUP, LLC

14. Unscrew the nut clamp (1a) connecting DPF (1b) to the turbocharger (1c).

Fig 6: Fittings & Clamp



Courtesy of CHRYSLER GROUP, LLC

15. Unscrew the fittings (1) and remove the rigid pressure pipe for the upstream DPF.
16. Loosen the clamp (2) and disconnect the hose intermediate on the pressure sampling pipe downstream of the DPF.

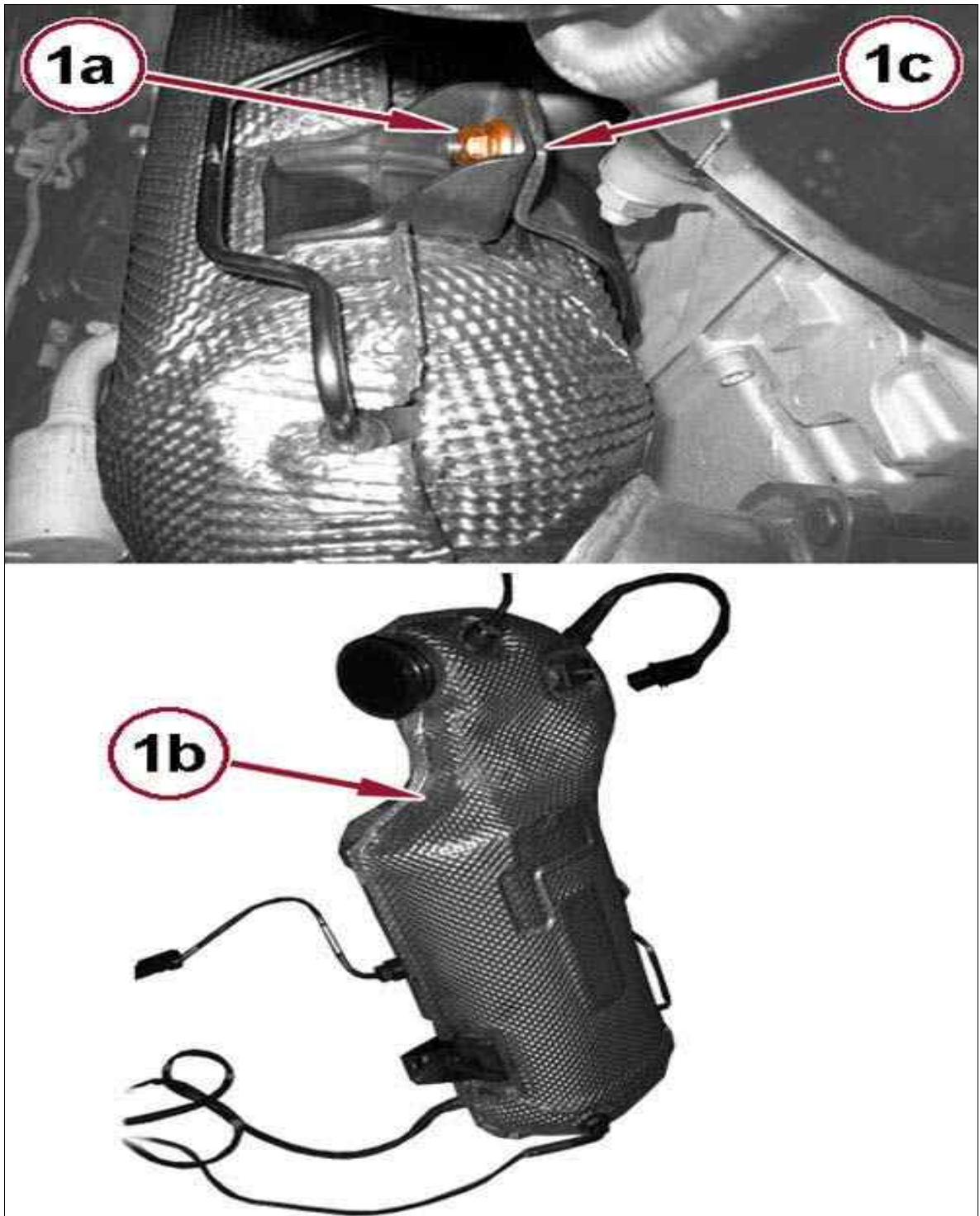
Fig 7: Upstream Exhaust Gas Temperature Sensor Electrical Connection



Courtesy of CHRYSLER GROUP, LLC

17. Disconnect the electrical connection (1) of the upstream exhaust gas temperature sensor of the DPF.

Fig 8: DPF, Support Bracket & Nuts



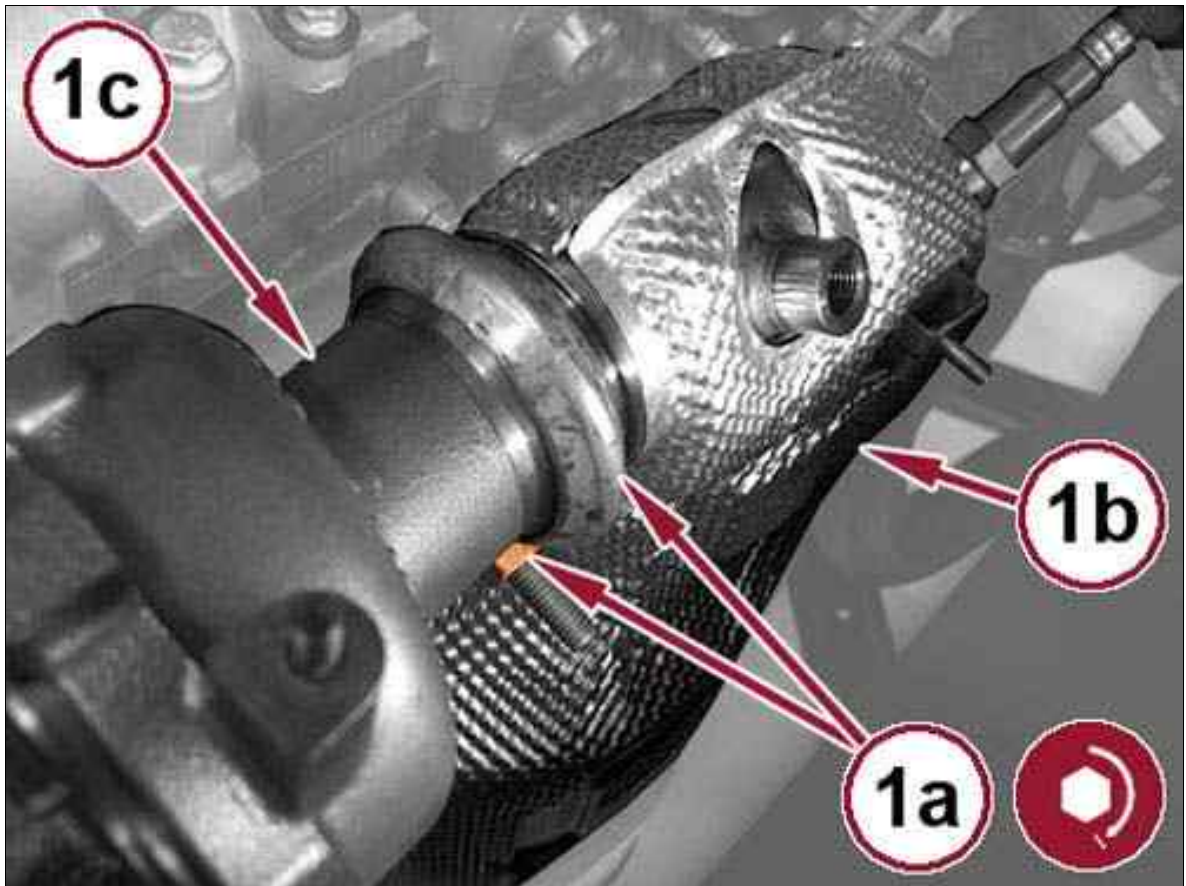
Courtesy of CHRYSLER GROUP, LLC

18. Unscrew the nuts (1a) securing DPF (1b) to the support bracket (1c) and remove it.

**FILTER, DIESEL PARTICULATE > REMOVAL AND INSTALLATION > 2.0L DIESEL
120/140CV > INSTALLATION**

1. Put into place the DPF complete with new gasket and tighten the mounting nuts to the support bracket.
2. Connect the electrical connection of the upstream exhaust gas temperature sensor of the DPF.
3. Connect the hose intermediate pressure sampling pipe downstream of the DPF and tighten its clamp.
4. Put into place the rigid pressure pipe for sampling to the upstream DPF and tighten their connectors.

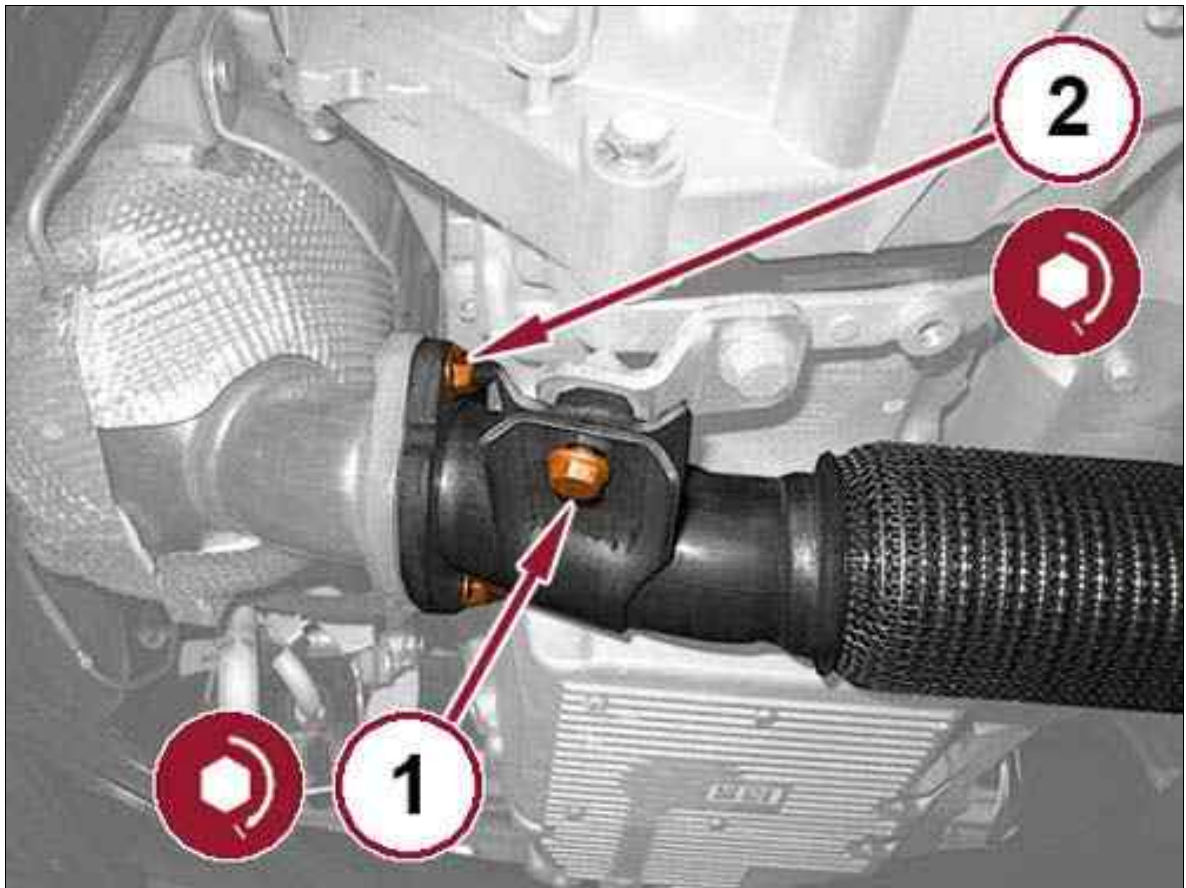
Fig 1: Turbocharger, Clamp & Nut



Courtesy of CHRYSLER GROUP, LLC

5. Tighten to torque the nut clamp (1a) connecting DPF (1b) to the turbocharger (1c).
6. Connect the electrical connection of the downstream oxygen sensor to the DPF.
7. Connect the electrical connection of the downstream exhaust gas temperature sensor of the DPF.

Fig 2: Exhaust Pipe, Nuts & Bracket Bolt



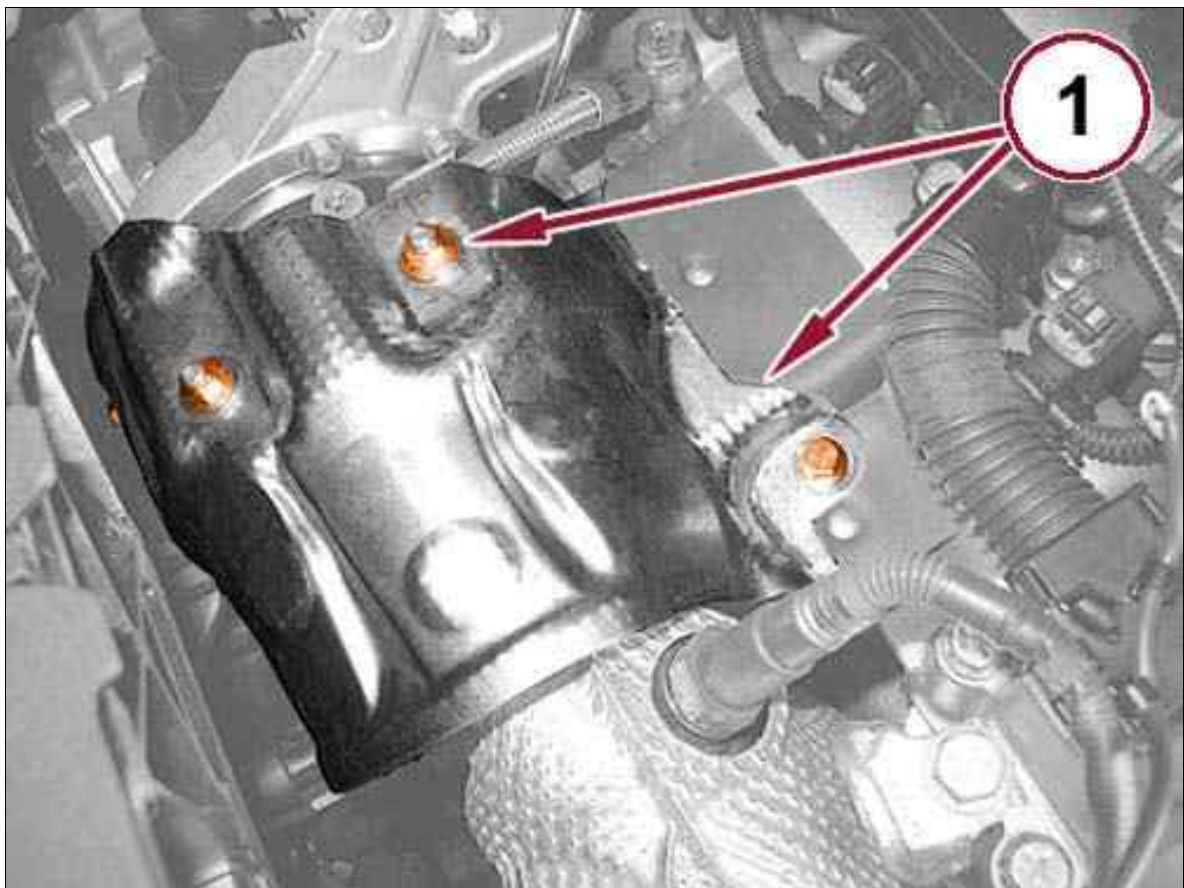
Courtesy of CHRYSLER GROUP, LLC

8. Put into place the exhaust pipe (1a) complete with new gasket and tighten the new nuts (1b) to the proper torque specification. Refer to SPECIFICATIONS .
9. Tighten the exhaust pipe bracket bolt (2) to the proper torque specification. Refer to SPECIFICATIONS .
10. Connect the electrical connection of the upstream oxygen sensor and engage the retaining clip wiring.
11. Put into place the heat shield of the turbocharger and tighten its hardware.
12. Install the upstream exhaust temperature sensor. Refer to SENSOR, EXHAUST TEMPERATURE, REMOVAL AND INSTALLATION .
13. Install the engine cover. Refer to COVER, ENGINE, REMOVAL AND INSTALLATION for 1.6L/2.0L Diesel, COVER, ENGINE, REMOVAL AND INSTALLATION for 1.4L or COVER, ENGINE, REMOVAL AND INSTALLATION for 2.4L.
14. Install the right front splash shield. Refer to SHIELD, SPLASH, FRONT WHEELHOUSE, REMOVAL AND INSTALLATION .
15. Install the right front wheel. Refer to REMOVAL AND INSTALLATION .

FILTER, DIESEL PARTICULATE > REMOVAL AND INSTALLATION > 2.0 DIESEL 170CV > REMOVAL

1. Raise and support the vehicle. Refer to HOISTING, STANDARD PROCEDURE .
2. Remove the engine cover. Refer to COVER, ENGINE, REMOVAL AND INSTALLATION for 1.6L/2.0L Diesel, COVER, ENGINE, REMOVAL AND INSTALLATION for 1.4L or COVER, ENGINE, REMOVAL AND INSTALLATION for 2.4L.
3. Remove the engine belly pan. Refer to BELLY PAN, REMOVAL AND INSTALLATION or BELLY PAN, SIDE, REMOVAL AND INSTALLATION .
4. Drain the engine coolant. Refer to STANDARD PROCEDURE .
5. Recover the refrigerant from the refrigerant system. Refer to PLUMBING, STANDARD PROCEDURE .
6. Remove the front fascia. Refer to FASCIA, FRONT, REMOVAL AND INSTALLATION .
7. Remove the cooling fan. Refer to FAN, COOLING, REMOVAL AND INSTALLATION .
8. Remove the radiator. Refer to RADIATOR, ENGINE COOLING, REMOVAL AND INSTALLATION .

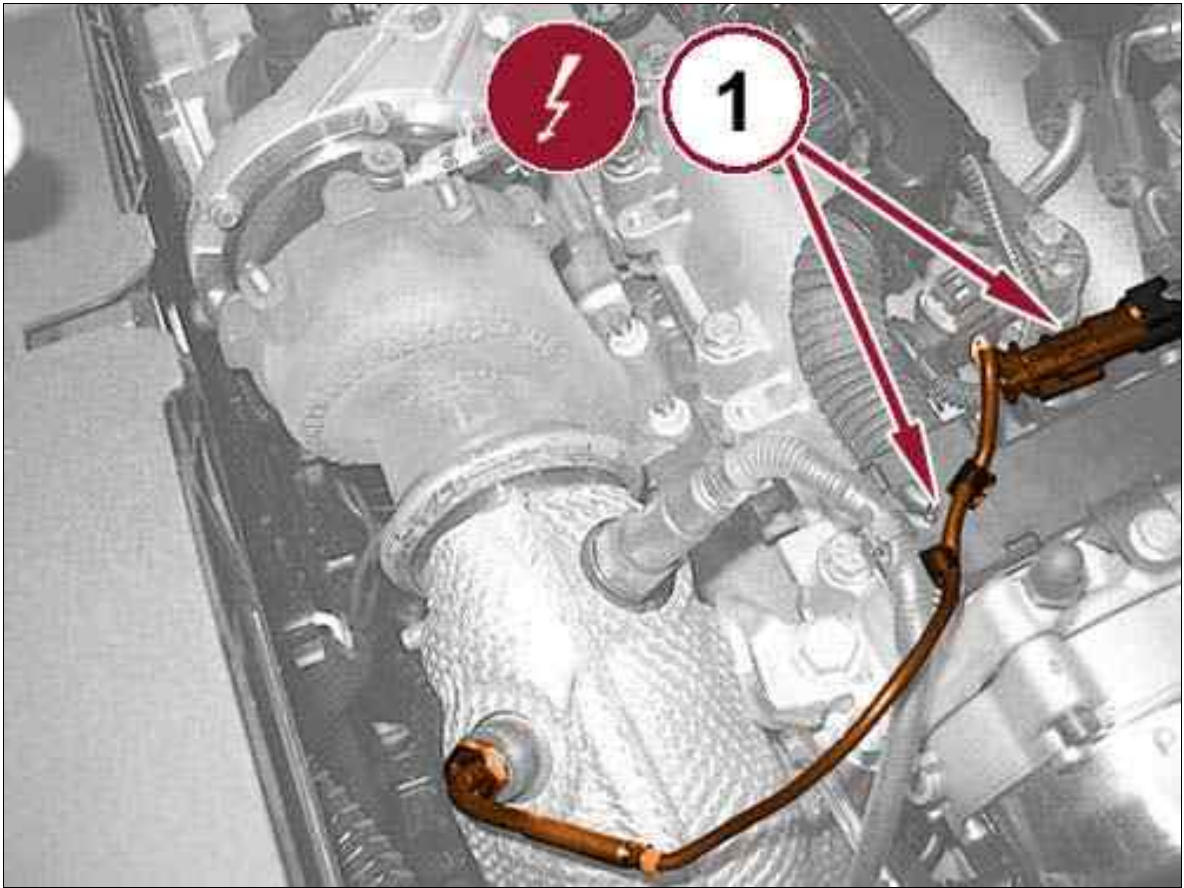
Fig 1: Heat Shield & Nuts



Courtesy of CHRYSLER GROUP, LLC

9. Remove the clamps (1) and remove the turbocharger heat shield.

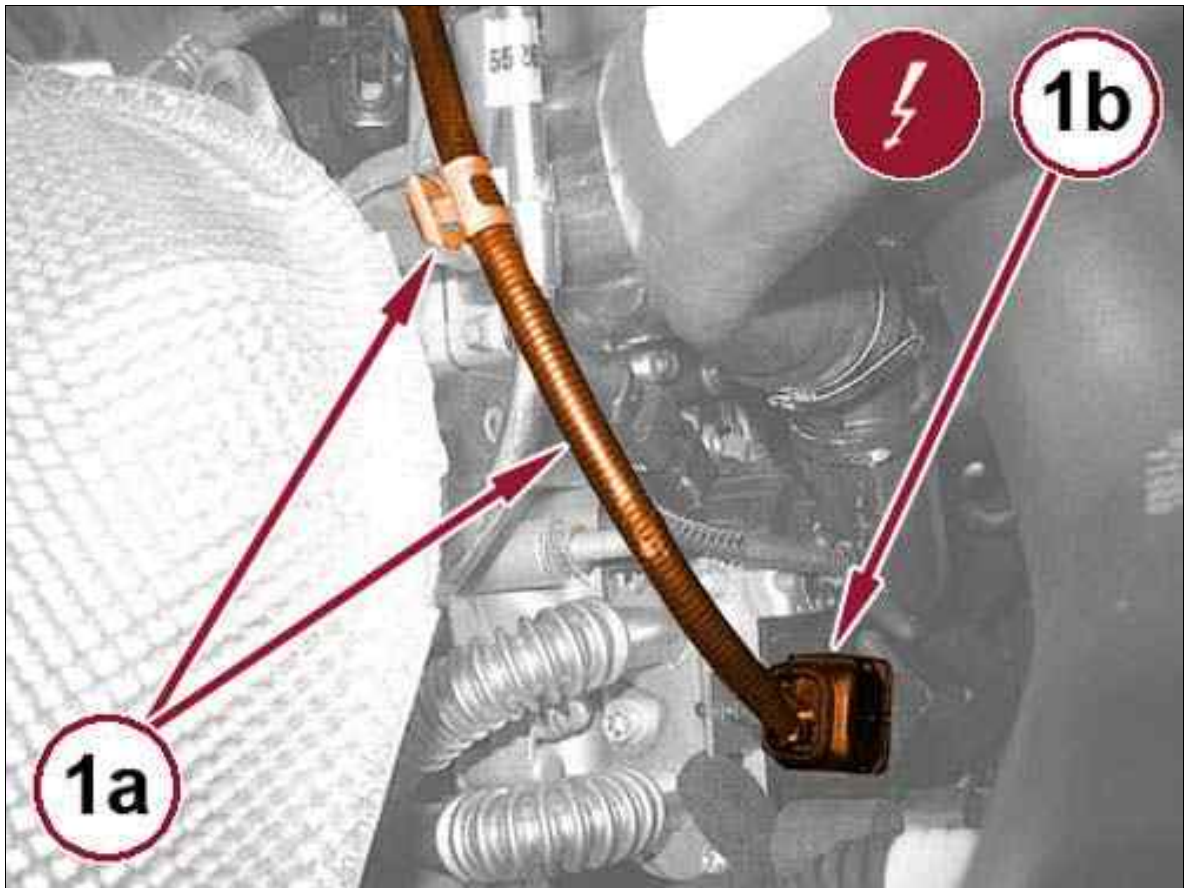
Fig 2: Upstream Oxygen Sensor Electrical Connection



Courtesy of CHRYSLER GROUP, LLC

10. Disconnect the electrical connection (1) of the oxygen sensor upstream of the catalyst and unhook the harness from retaining clip.

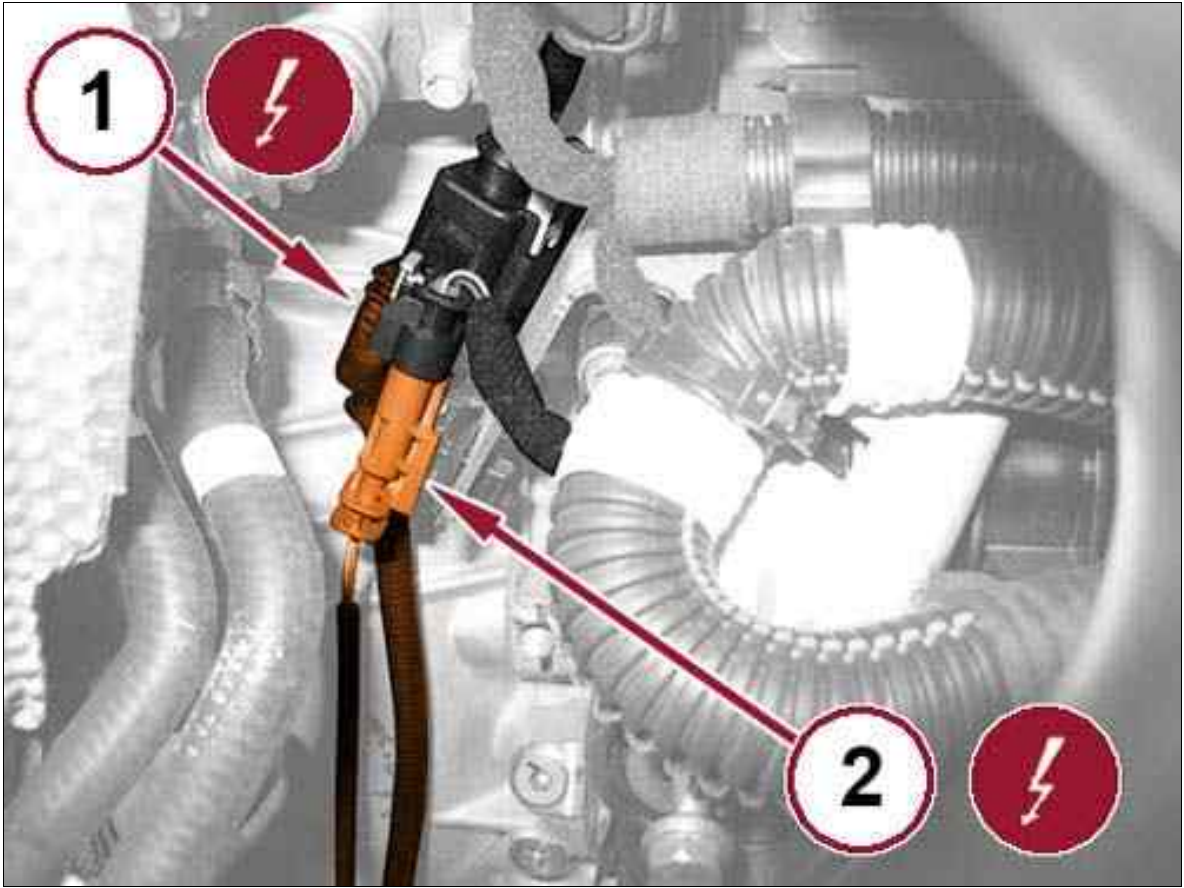
Fig 3: Upper Lambda Probe Wiring And Electrical Connection



Courtesy of CHRYSLER GROUP, LLC

11. Disengage the wiring (1a) and disconnect the electrical connection of the upper lambda probe (1b).

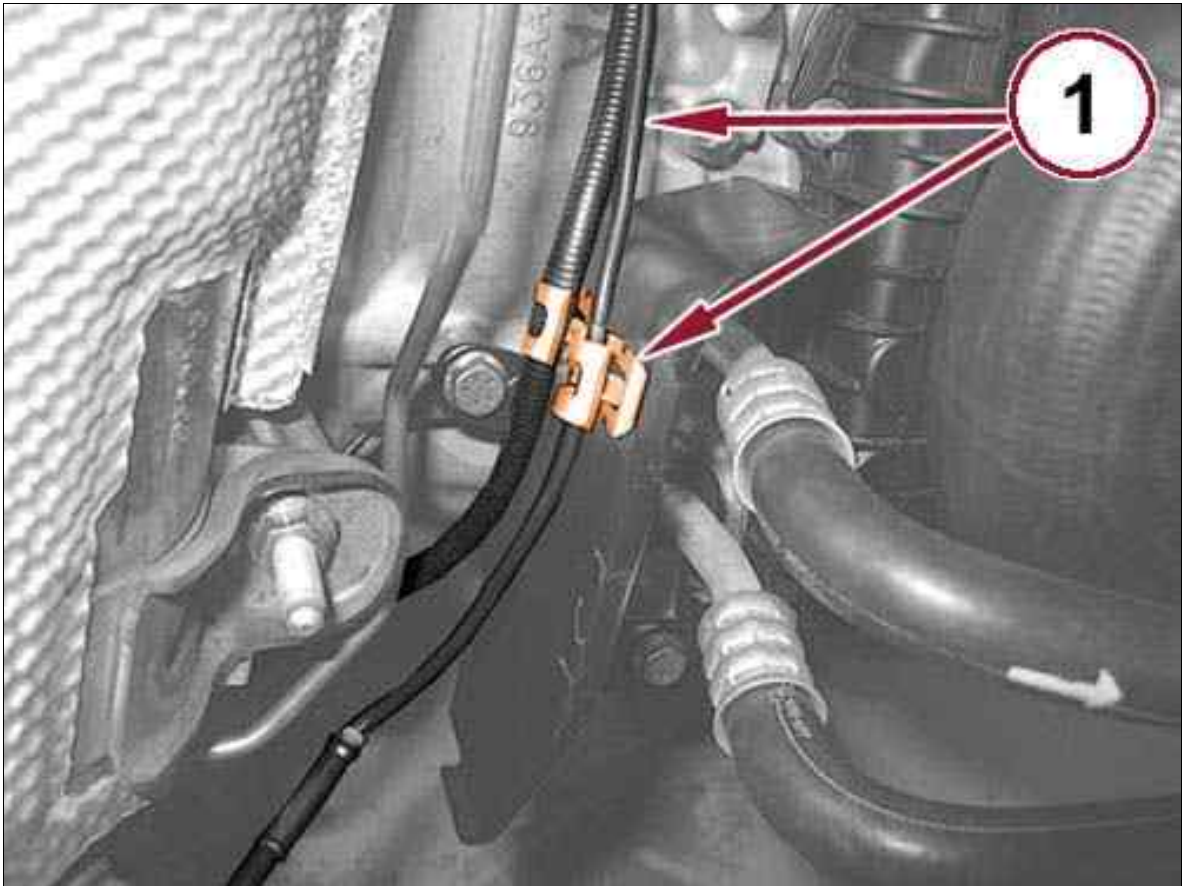
Fig 4: Lower Oxygen Sensor & Downstream Particulate Filter Temperature Sensor Electrical Connection



Courtesy of CHRYSLER GROUP, LLC

12. Disconnect the electrical connection (1) of the lower oxygen sensor.
13. Disconnect the electrical connection (2) of the particulate filter temperature sensor downstream of the DPF.

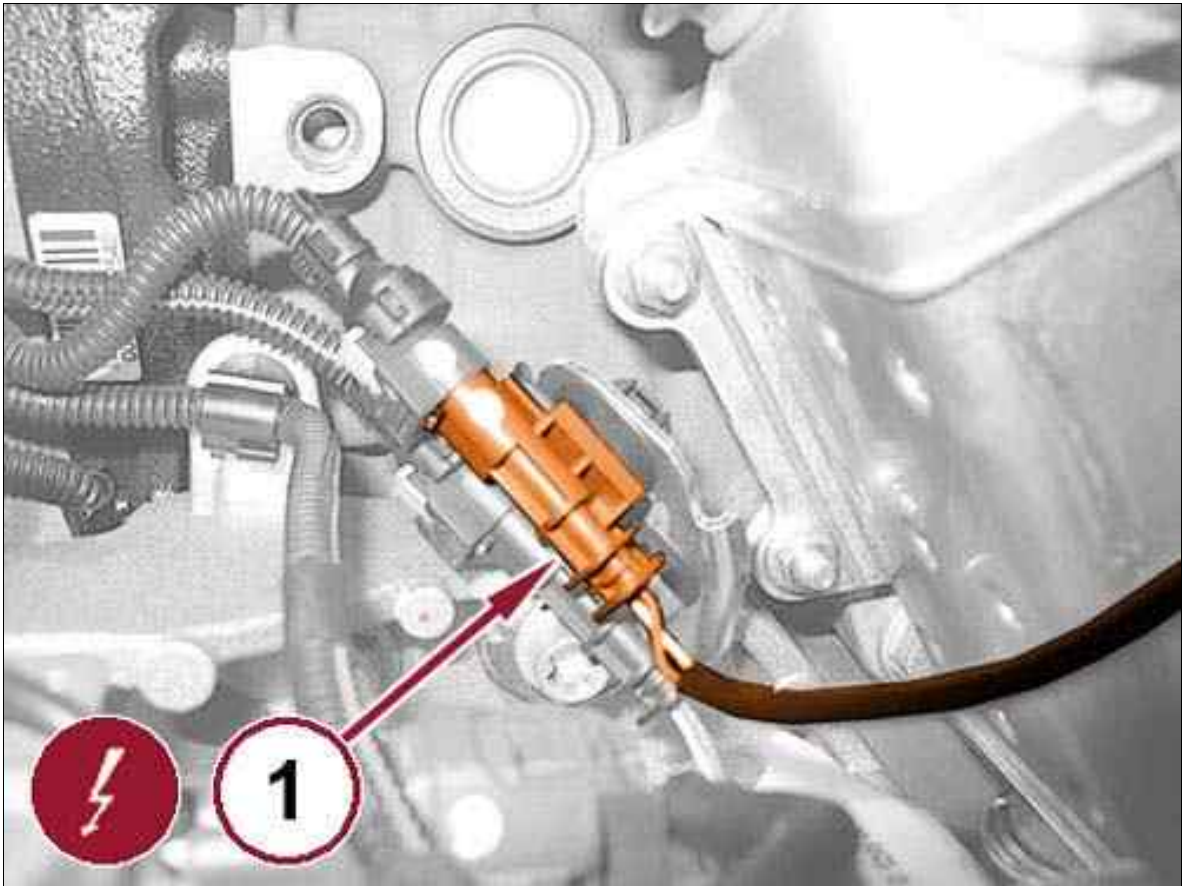
Fig 5: Wiring Harness



Courtesy of CHRYSLER GROUP, LLC

14. Disengage the wiring harness (1) oxygen sensor and temperature sensor particulate filter downstream of the DPF.

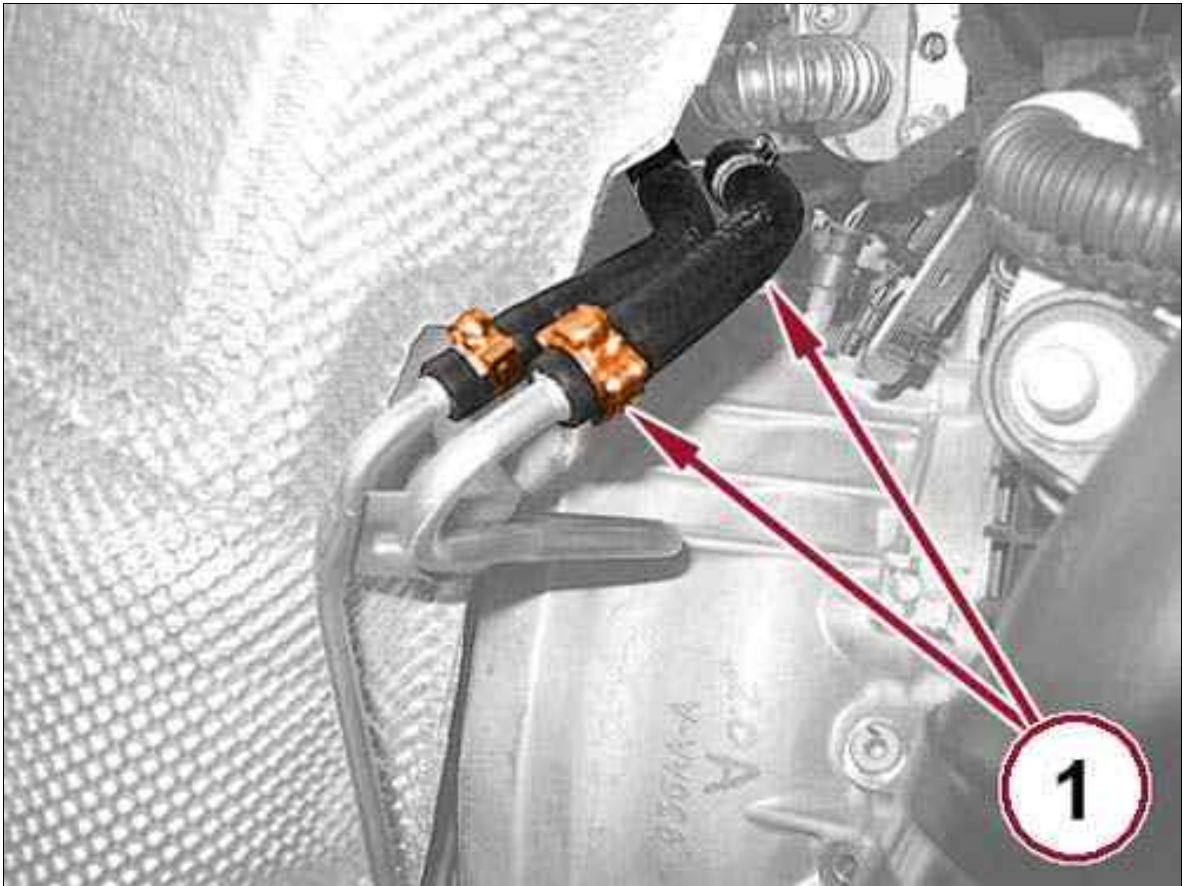
Fig 6: Electrical Connection



Courtesy of CHRYSLER GROUP, LLC

15. Disconnect the electrical connection (1) of the sensor temperature particulate filter upstream of the DPF and disengage the wiring from the retaining clips.

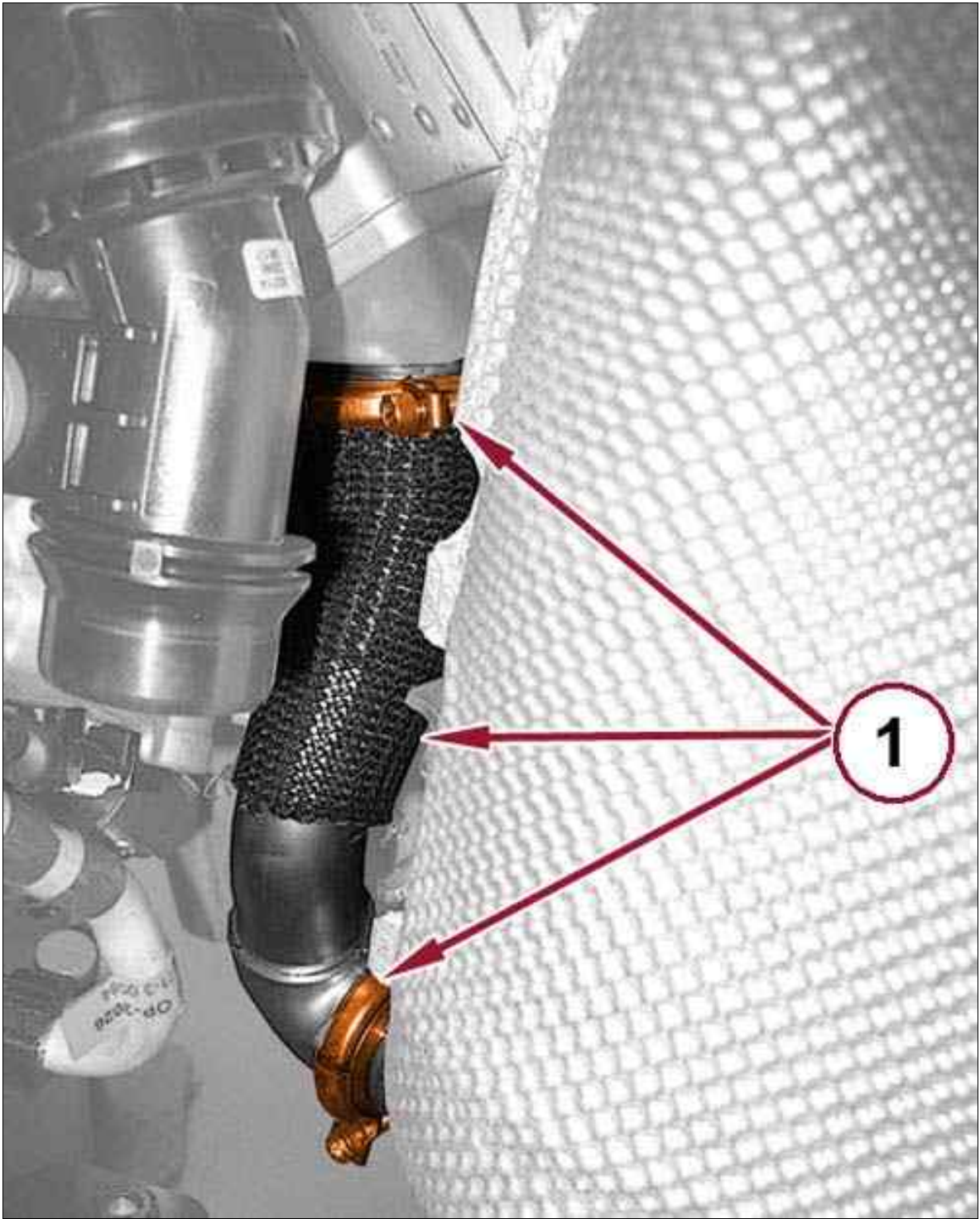
Fig 7: Exhaust Gas Outlet Clamps



Courtesy of CHRYSLER GROUP, LLC

16. Loosen the clamps (1) and disconnect the duct of the exhaust gas outlet for the differential pressure sensor.

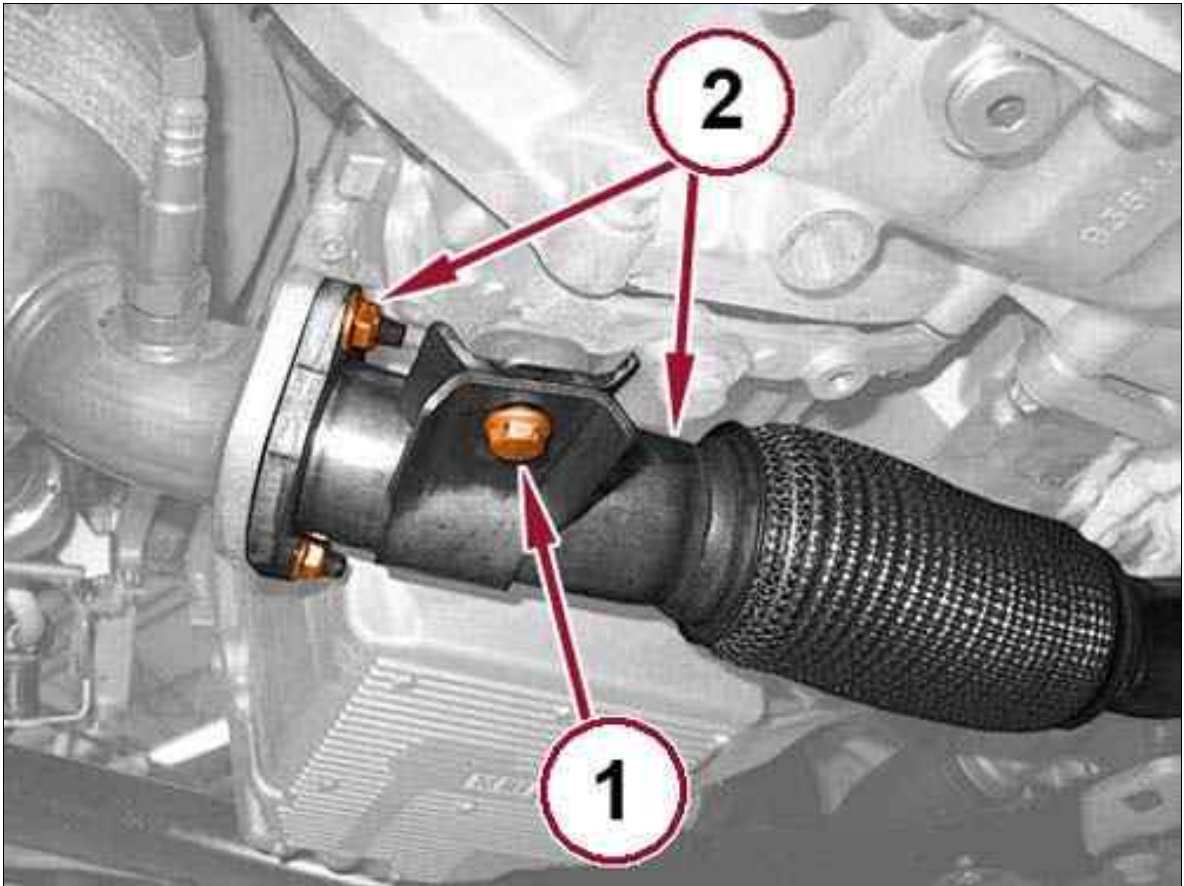
Fig 8: Low Pressure EGR Exhaust Gas Outlet Tube Collars



Courtesy of CHRYSLER GROUP, LLC

17. Loosen the collars (1) and remove the low pressure EGR exhaust gas outlet tube.

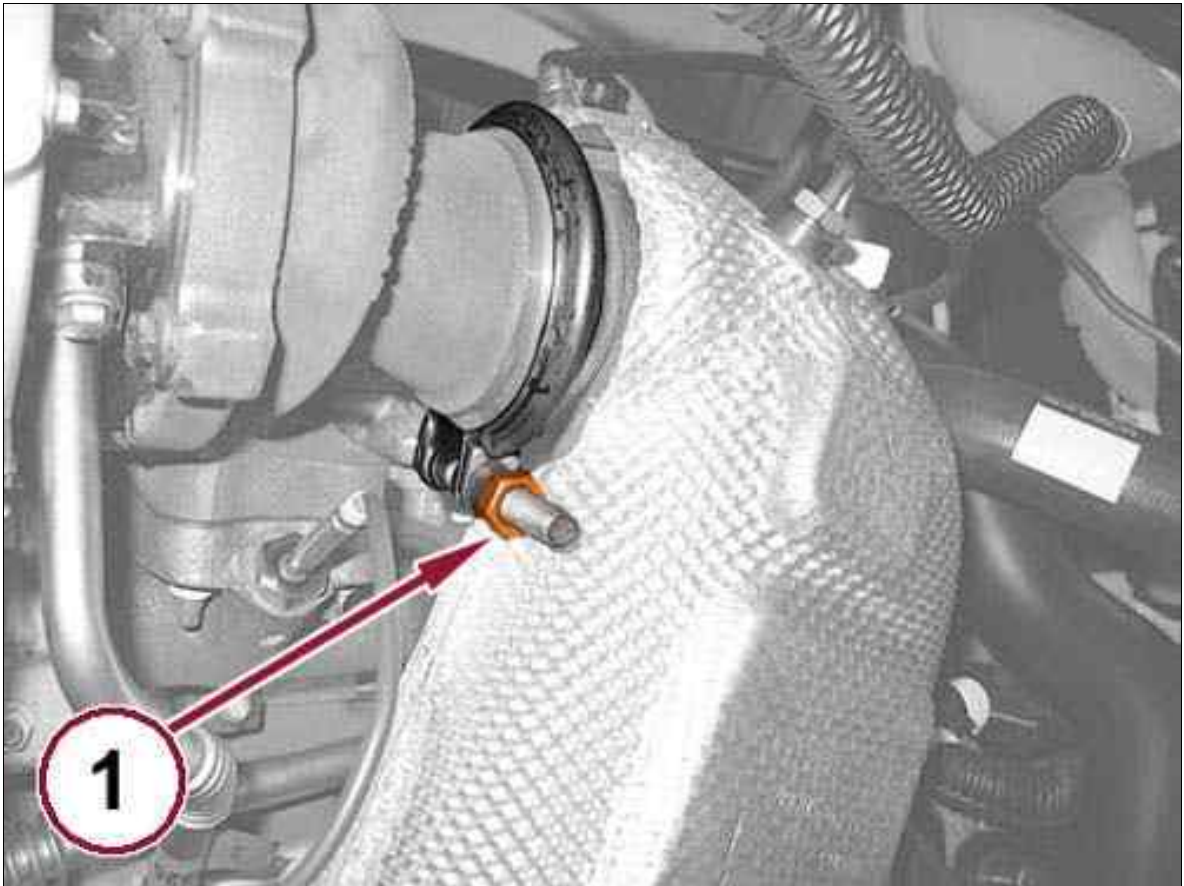
Fig 9: Exhaust Pipe, Bracket, Nuts & Bolt



Courtesy of CHRYSLER GROUP, LLC

18. Remove the bolt (1) from the exhaust pipe bracket.
19. Remove the nuts (2) and disconnect the exhaust pipe from the DPF.

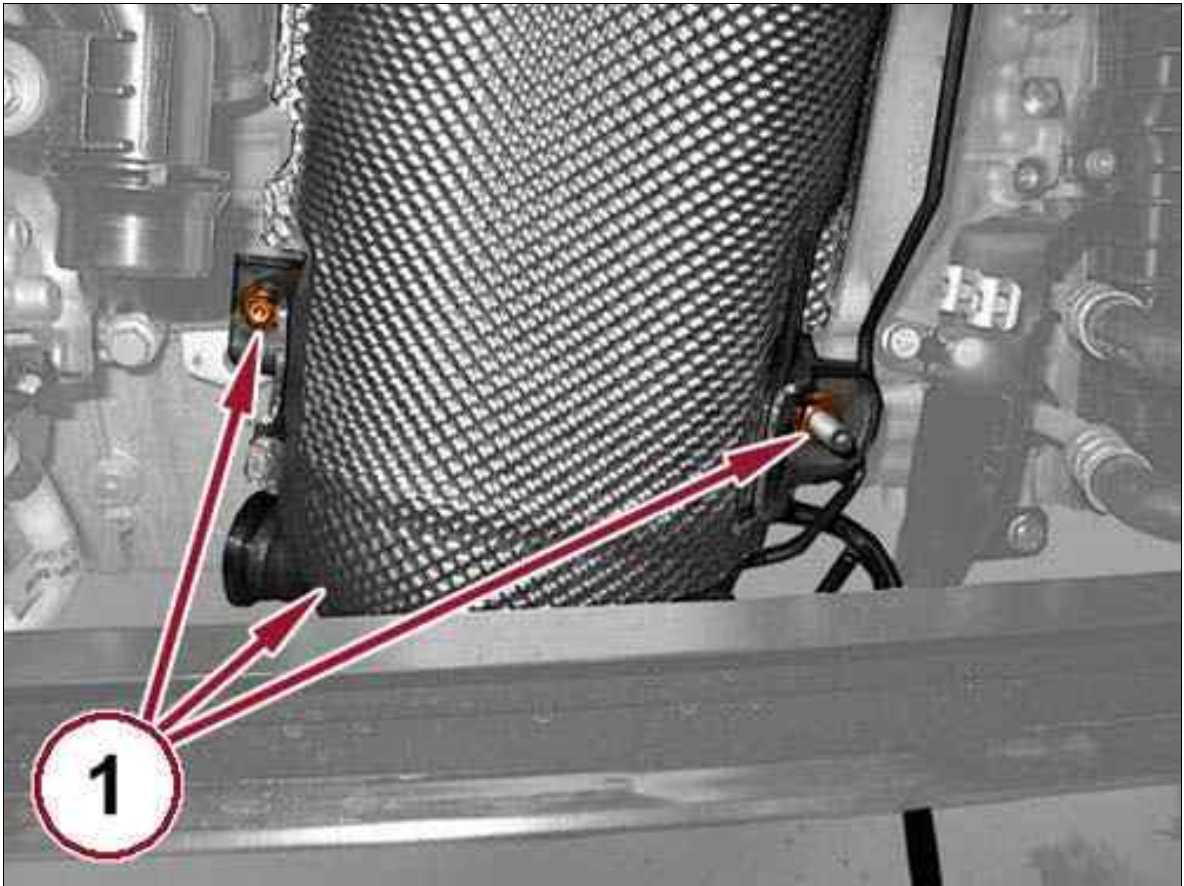
Fig 10: Particulate Filter To The Turbocharger Collar Nut



Courtesy of CHRYSLER GROUP, LLC

20. Unscrew the nut (1) securing collar particulate filter to the turbocharger.

Fig 11: Particulate Filter Nuts



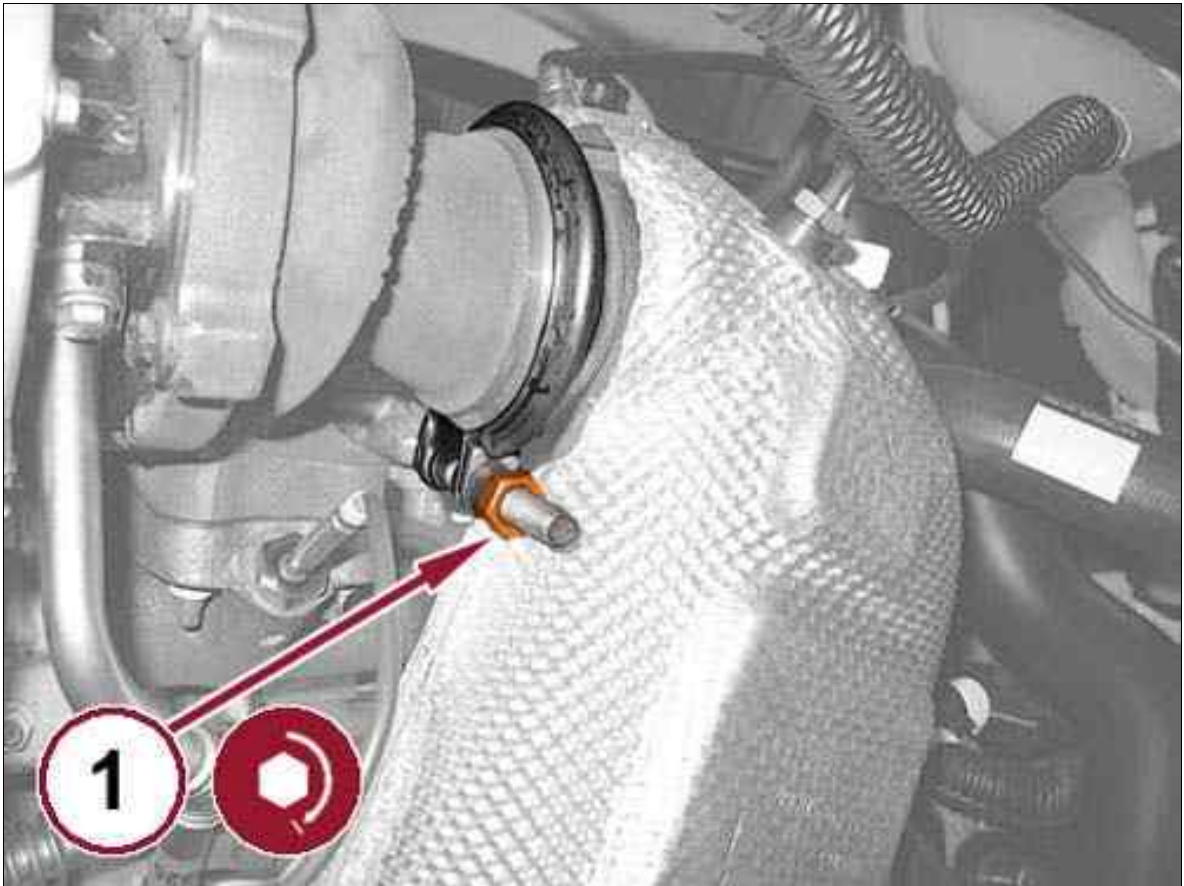
Courtesy of CHRYSLER GROUP, LLC

21. Unscrew the nuts (1) and remove the particulate filter full.

FILTER, DIESEL PARTICULATE > REMOVAL AND INSTALLATION > 2.0 DIESEL 170CV > INSTALLATION

1. Put into place the particulate filter equipped with oxygen sensors and exhaust gas temperature sensor and tighten its bolts.

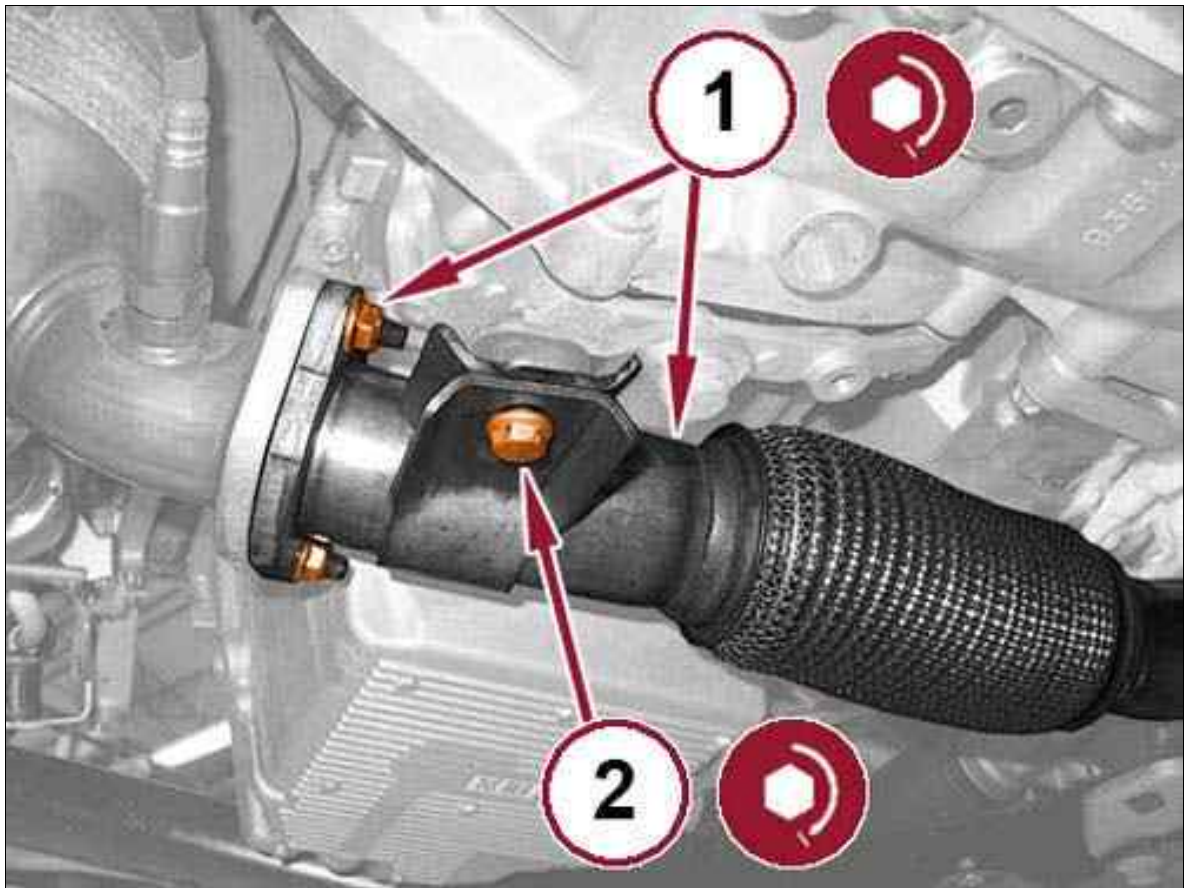
Fig 1: Turbocharger To The Particulate Filter Locking Collar



Courtesy of CHRYSLER GROUP, LLC

2. Tighten the turbocharger to the particulate filter locking collar to the proper torque specification. Refer to SPECIFICATIONS .

Fig 2: Exhaust Pipe & Bracket Bolts



Courtesy of CHRYSLER GROUP, LLC

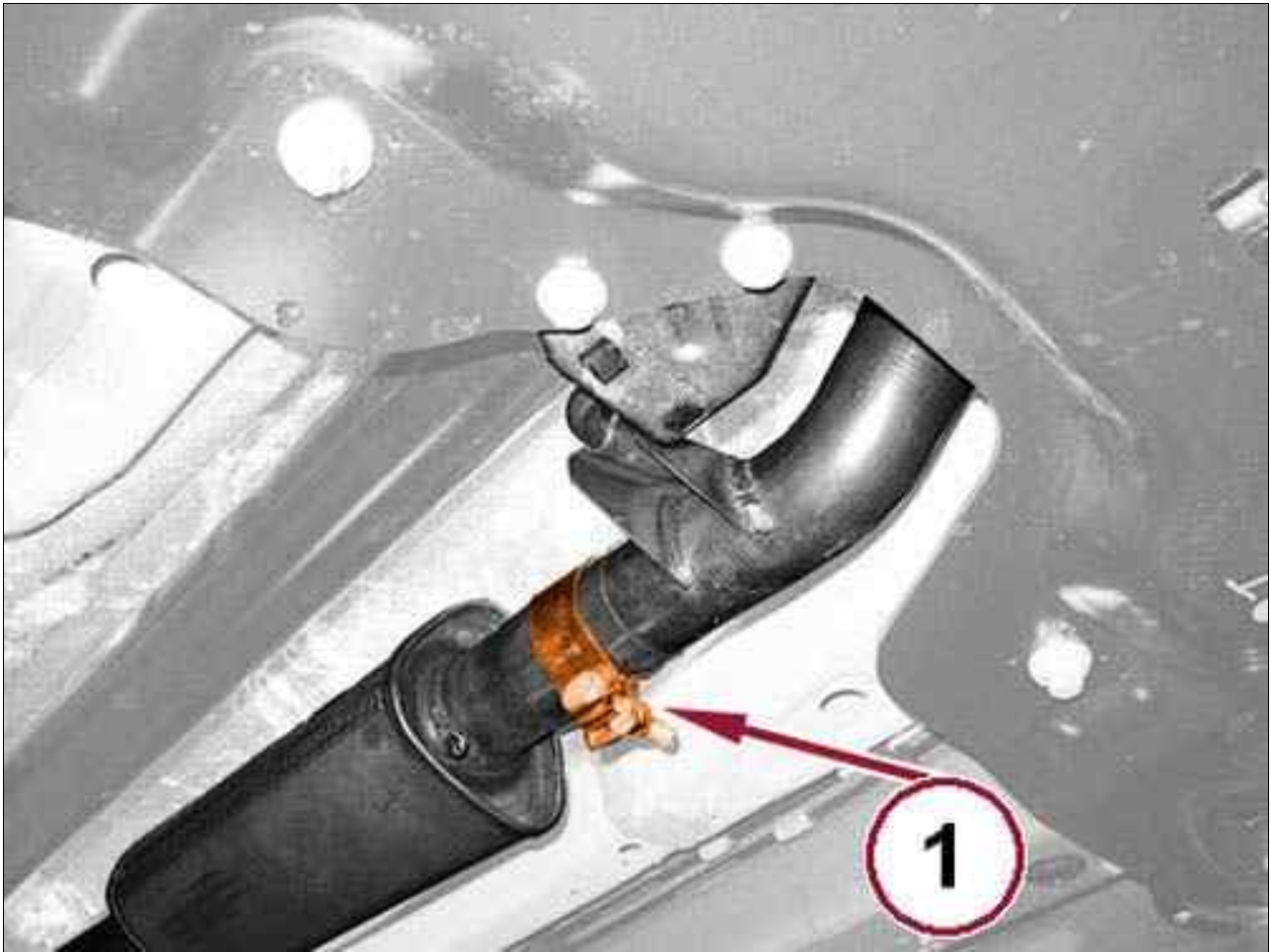
3. Put into place the exhaust pipe (1) complete with new gasket and tighten the new nuts to the proper torque specification. Refer to SPECIFICATIONS .
4. Tighten the exhaust pipe bracket bolt (2) to the proper torque specification. Refer to SPECIFICATIONS .
5. Install the low pressure EGR exhaust gas outlet tube and tighten the related fastening collars.
6. Connect the outlet pipes of the exhaust gas to the differential pressure sensor and tighten the clamps.
7. Connect the electrical connection of the upstream particulate filter temperature sensor and engage in the wiring retaining clips.
8. Engage the oxygen sensor and temperature sensor wiring harness downstream of the DPF particulate filter.
9. Connect the electrical connection of the particulate filter temperature sensor downstream of the DPF.
10. Connect power supply to the lower oxygen sensor.
11. Connect the electrical connection of the oxygen sensor wiring and engage the retaining clip.
12. Connect the electrical connection of the exhaust gas temperature sensor upstream of the

particulate filter and engage the wiring in the retaining clips.

13. Install the radiator. Refer to RADIATOR, ENGINE COOLING, REMOVAL AND INSTALLATION .
14. Install the cooling fan. Refer to FAN, COOLING, REMOVAL AND INSTALLATION .
15. Install the front fascia. Refer to FASCIA, FRONT, REMOVAL AND INSTALLATION .
16. Evacuate and charge the refrigerant system. Refer to PLUMBING, STANDARD PROCEDURE .
17. Fill the engine cooling system. Refer to STANDARD PROCEDURE .
18. Install the engine belly pan. Refer to BELLY PAN, REMOVAL AND INSTALLATION or BELLY PAN, SIDE, REMOVAL AND INSTALLATION .
19. Install the engine cover. Refer to COVER, ENGINE, REMOVAL AND INSTALLATION 1.6L/2.0L Diesel, COVER, ENGINE, REMOVAL AND INSTALLATION for 1.4L or COVER, ENGINE, REMOVAL AND INSTALLATION for 2.4L.
20. Remove the vehicle from the lift.

MUFFLER, EXHAUST > REMOVAL AND INSTALLATION > REAR > 1.4L TURBO MULTIAIR REMOVAL

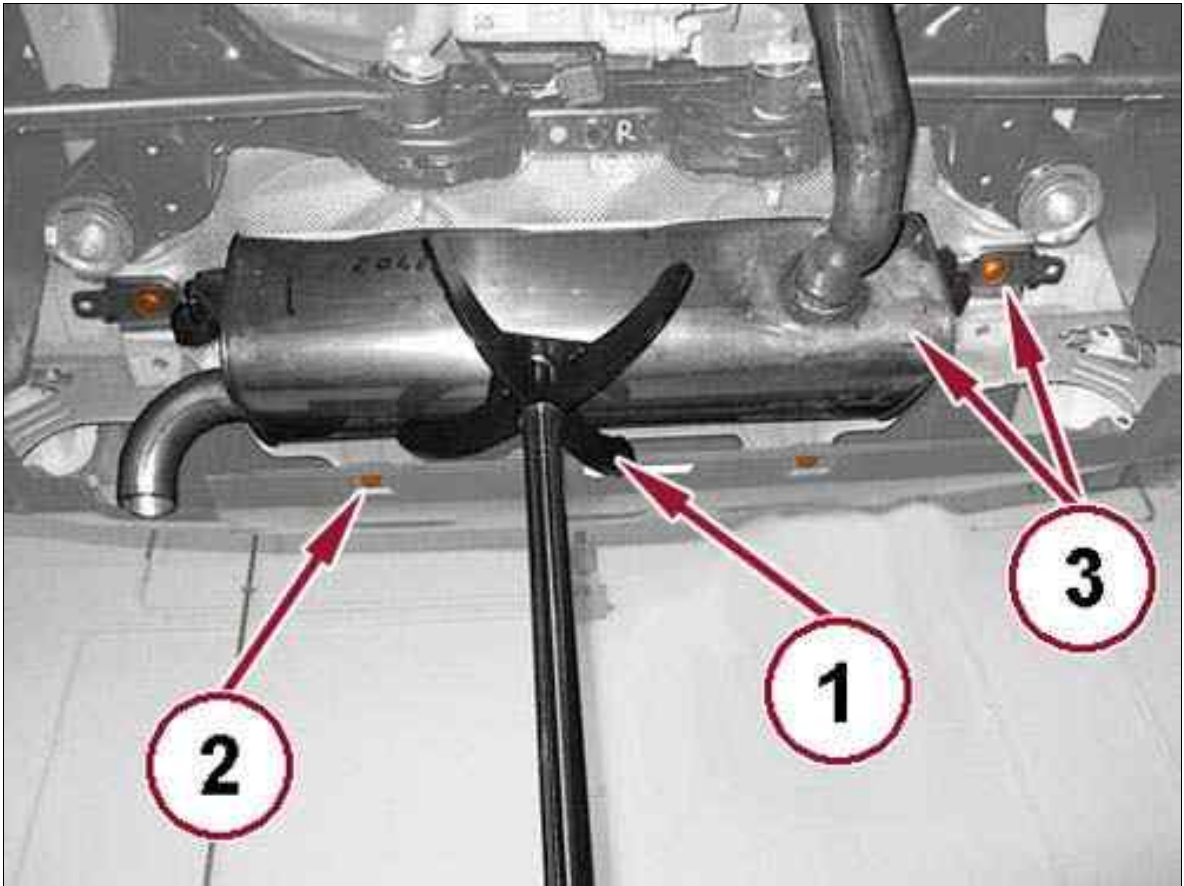
Fig 1: Clamp & Nut



Courtesy of CHRYSLER GROUP, LLC

1. Raise and support the vehicle. Refer to HOISTING, STANDARD PROCEDURE .
2. Unscrew the nut and loosen the clamp connecting the pipes.

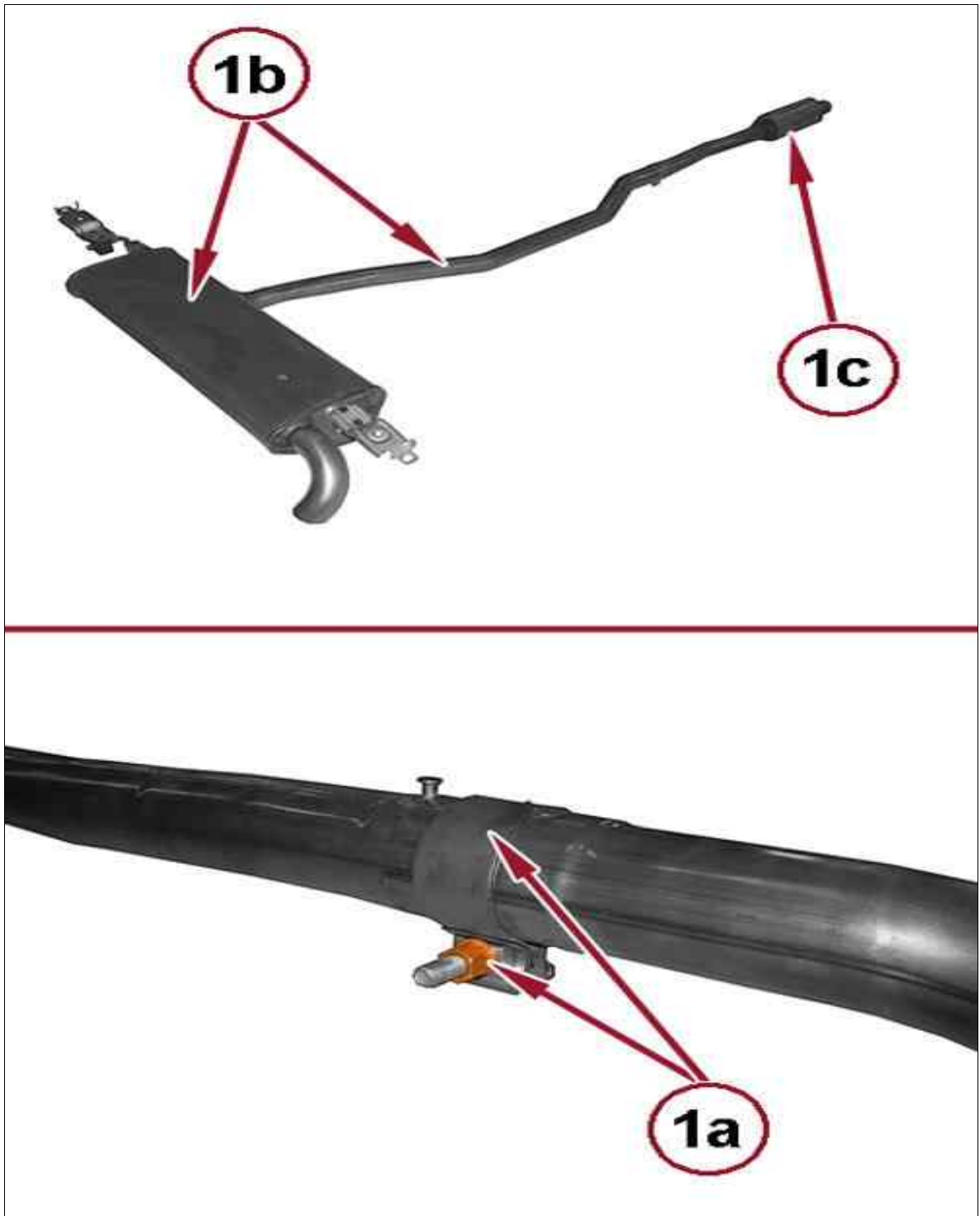
Fig 2: Hydraulic Lift, Muffler & Screws



Courtesy of CHRYSLER GROUP, LLC

3. Place a suitable hydraulic lift under the muffler.
4. Unscrew the center screws securing the rear bumper.
5. Unscrew the screws and remove the exhaust isolators.

Fig 3: Rear Exhaust Muffler, Clamp & Nut



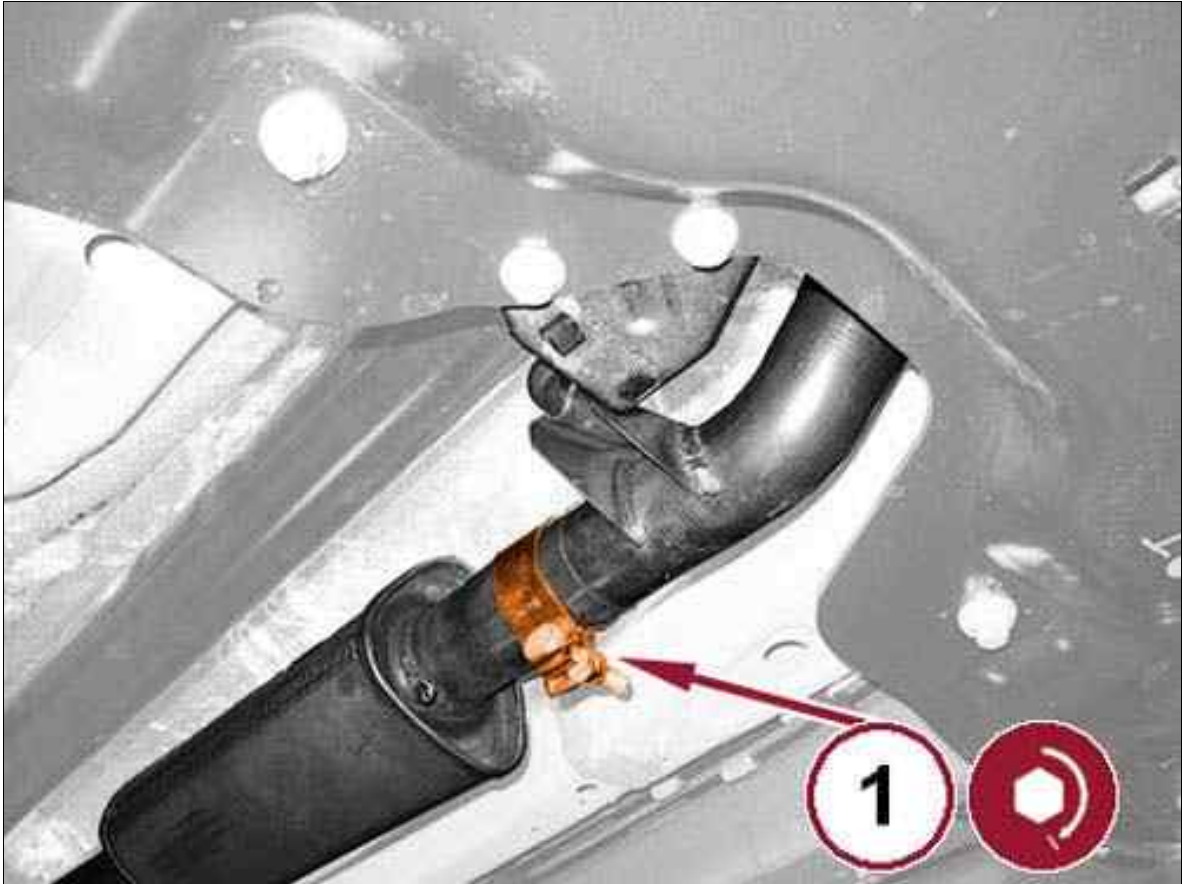
Courtesy of CHRYSLER GROUP, LLC

6. Unscrew the nut (1a), loosen the clamp and disconnect the rear exhaust muffler (1b) from front to rear (1c).

**MUFFLER, EXHAUST > REMOVAL AND INSTALLATION > REAR > 1.4L TURBO
MULTIAIR INSTALLATION**

1. Connect the muffler back to the front and tighten the nut to the specified torque. Refer to SPECIFICATIONS .
2. Using a suitable hydraulic lift put in the muffler linking them to the front section of the pipe.
3. Tighten and torque the screws fixing the muffler to the rear section. Refer to SPECIFICATIONS .
4. Tighten the center screws securing the rear bumper.

Fig 1: Clamp & Nut



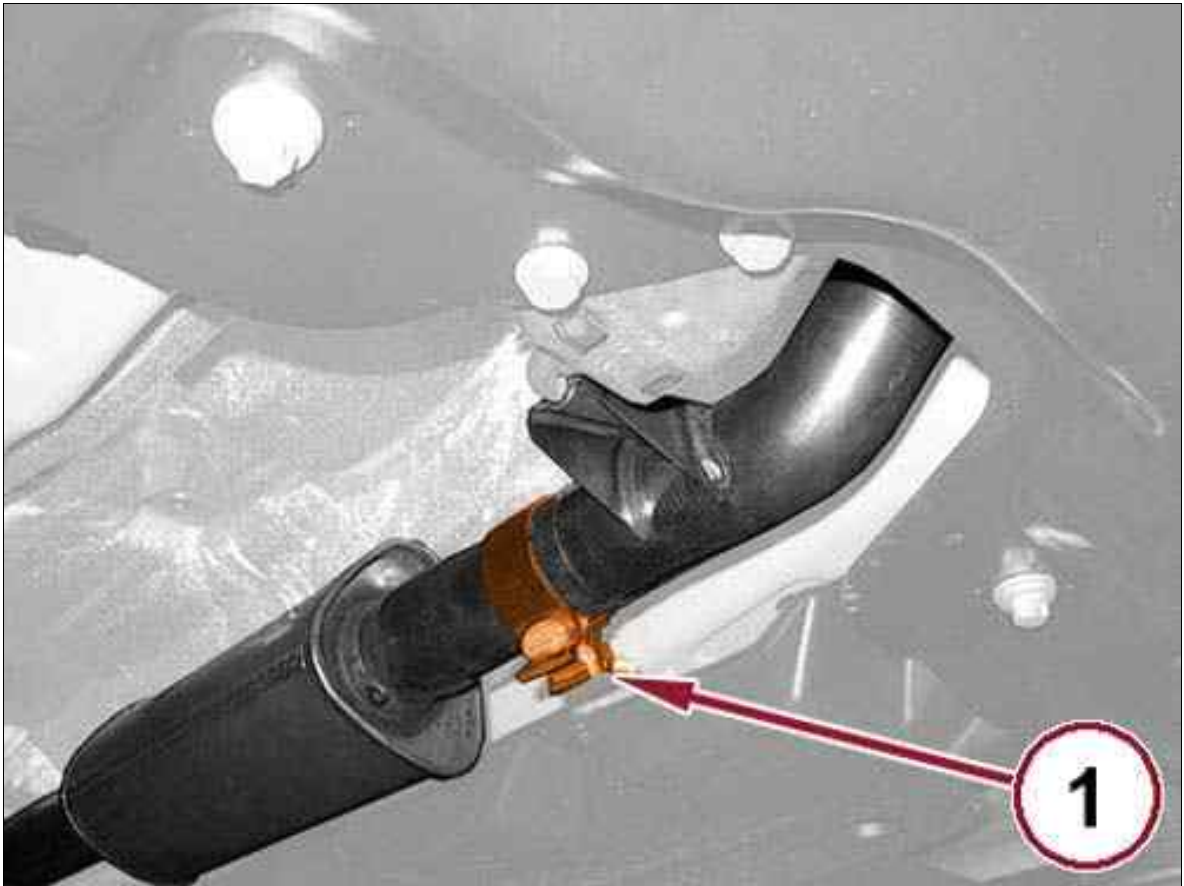
Courtesy of CHRYSLER GROUP, LLC

5. Tighten and torque the exhaust clamps connecting the pipes. Refer to SPECIFICATIONS .
6. Remove the vehicle from the lift.

MUFFLER, EXHAUST > REMOVAL AND INSTALLATION > REAR > 2.4L MULTIAIR2 REMOVAL

1. Raise and support the vehicle. Refer to HOISTING, STANDARD PROCEDURE .

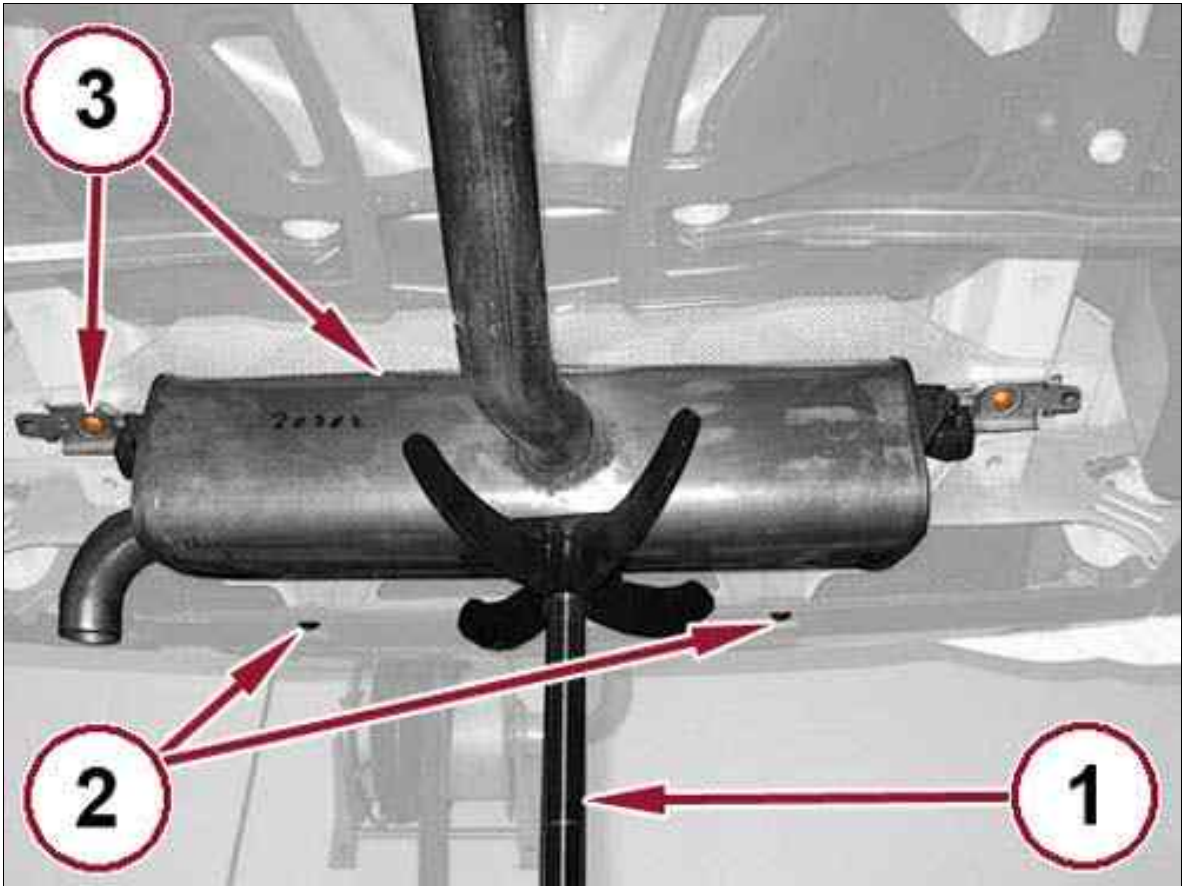
Fig 1: Clamp & Nut



Courtesy of CHRYSLER GROUP, LLC

2. Unscrew the nut and loosen the clamp connecting pipes.

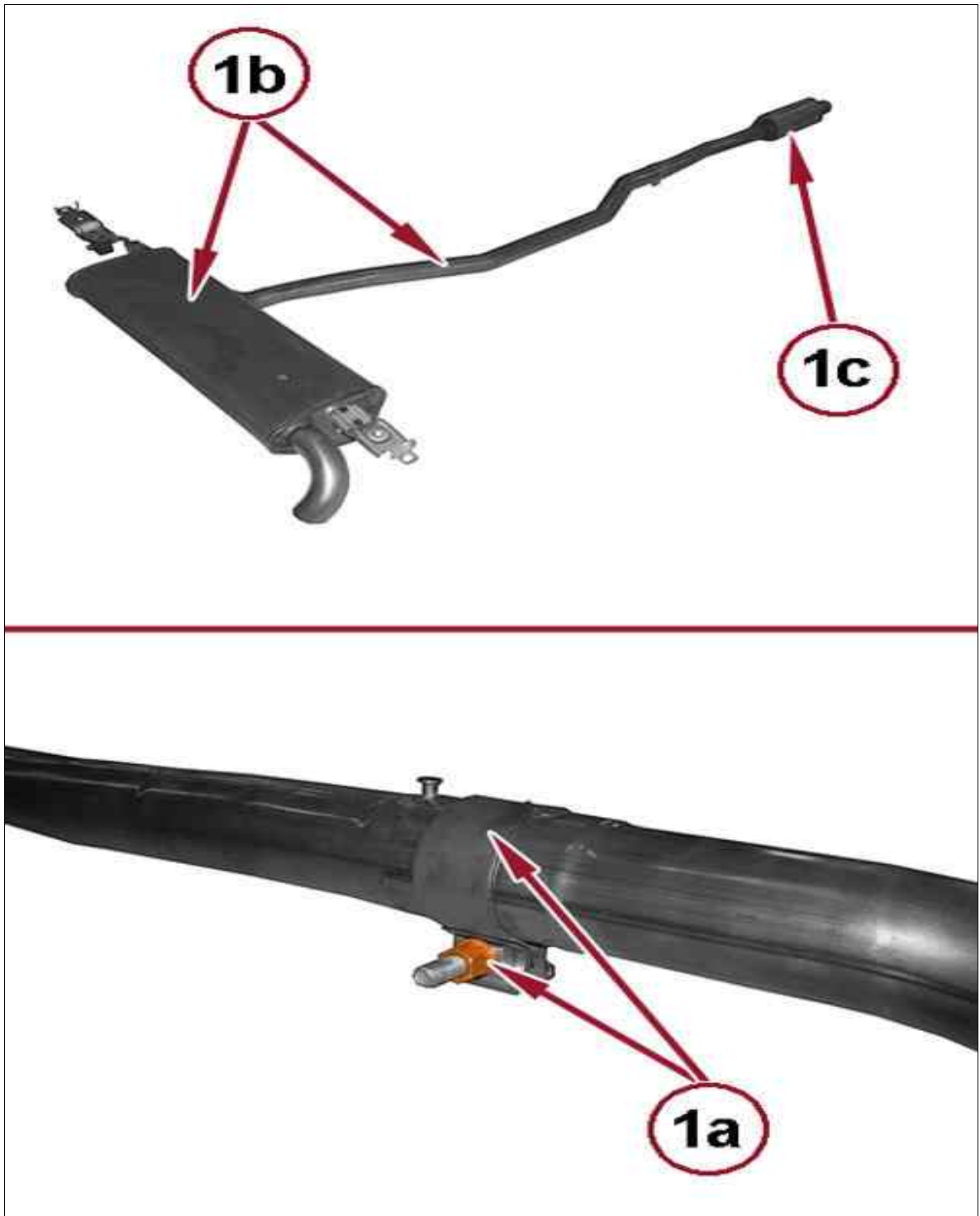
Fig 2: Muffler, Hydraulic Lift & Screws



Courtesy of CHRYSLER GROUP, LLC

3. Place a suitable hydraulic lift under the muffler.
4. Unscrew the center screws securing the rear bumper.
5. Unscrew the screws and remove the exhaust isolators.

Fig 3: Rear Exhaust Muffler & Nut



Courtesy of CHRYSLER GROUP, LLC

6. Unscrew the nut (1a), loosen the collar and disconnect the rear exhaust muffler (1b) from front to rear (1c).

**MUFFLER, EXHAUST > REMOVAL AND INSTALLATION > REAR > 2.4L MULTIAIR2
INSTALLATION**

1. Connect the muffler back to the front and tighten the clamp nut to the specified torque. Refer to SPECIFICATIONS .
2. Using a suitable hydraulic lift put in their seats the silencers linking them to the front section of the drain pipe.
3. Tighten and torque the screws fixing the muffler to the rear section. Refer to SPECIFICATIONS .
4. Tighten the center screws securing the rear bumper.

Fig 1: Clamp & Nut



Courtesy of CHRYSLER GROUP, LLC

5. Tighten and torque the exhaust clamp nut connecting pipes. Refer to SPECIFICATIONS .
6. Remove the vehicle from the lift.

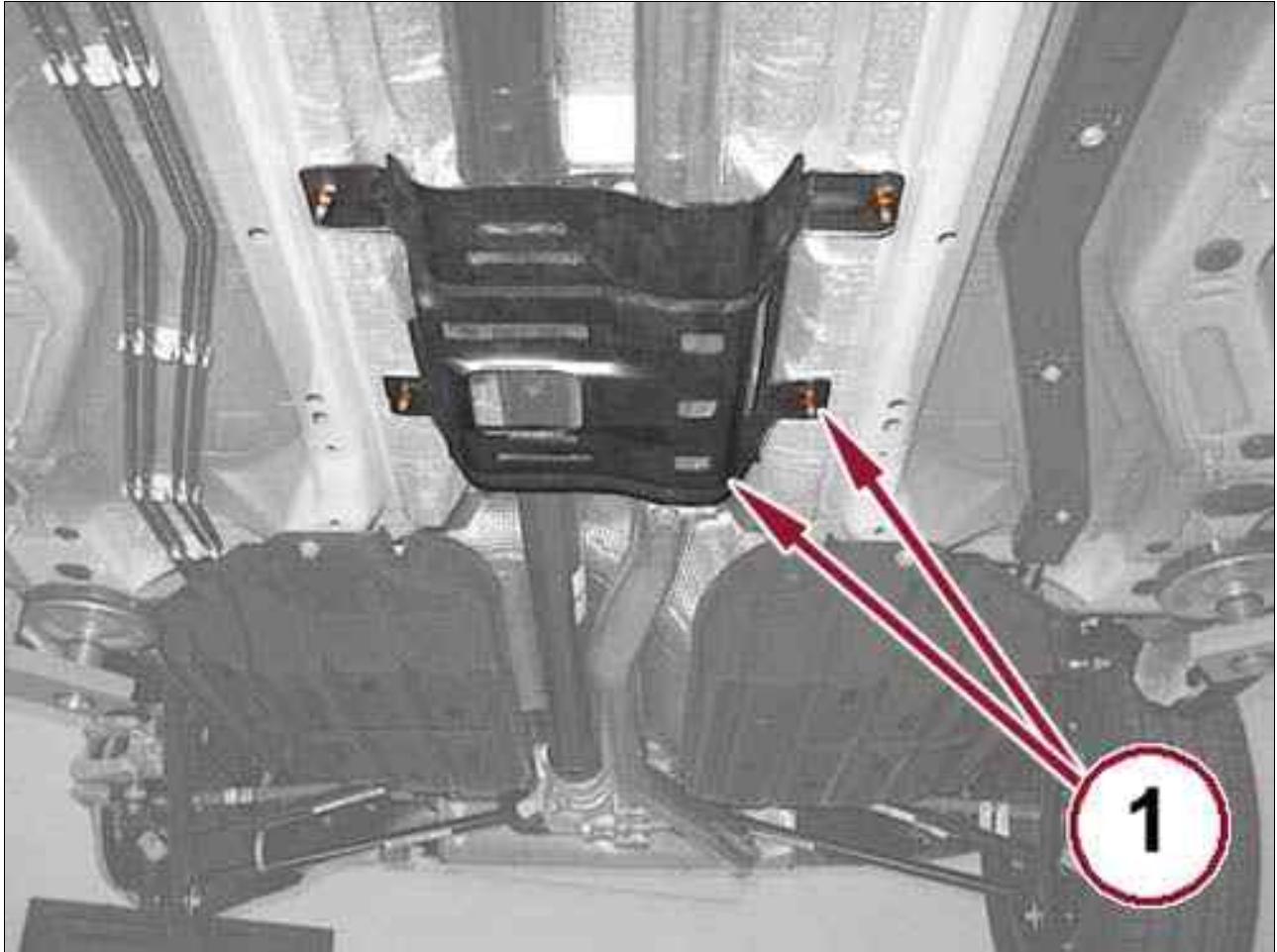
MUFFLER, EXHAUST > REMOVAL AND INSTALLATION > REAR > 2.0L TURBO DIESEL/1.6L TURBO DIESEL REMOVAL



NOTE:

Only for 2.0L Turbo Diesel 170 hp:

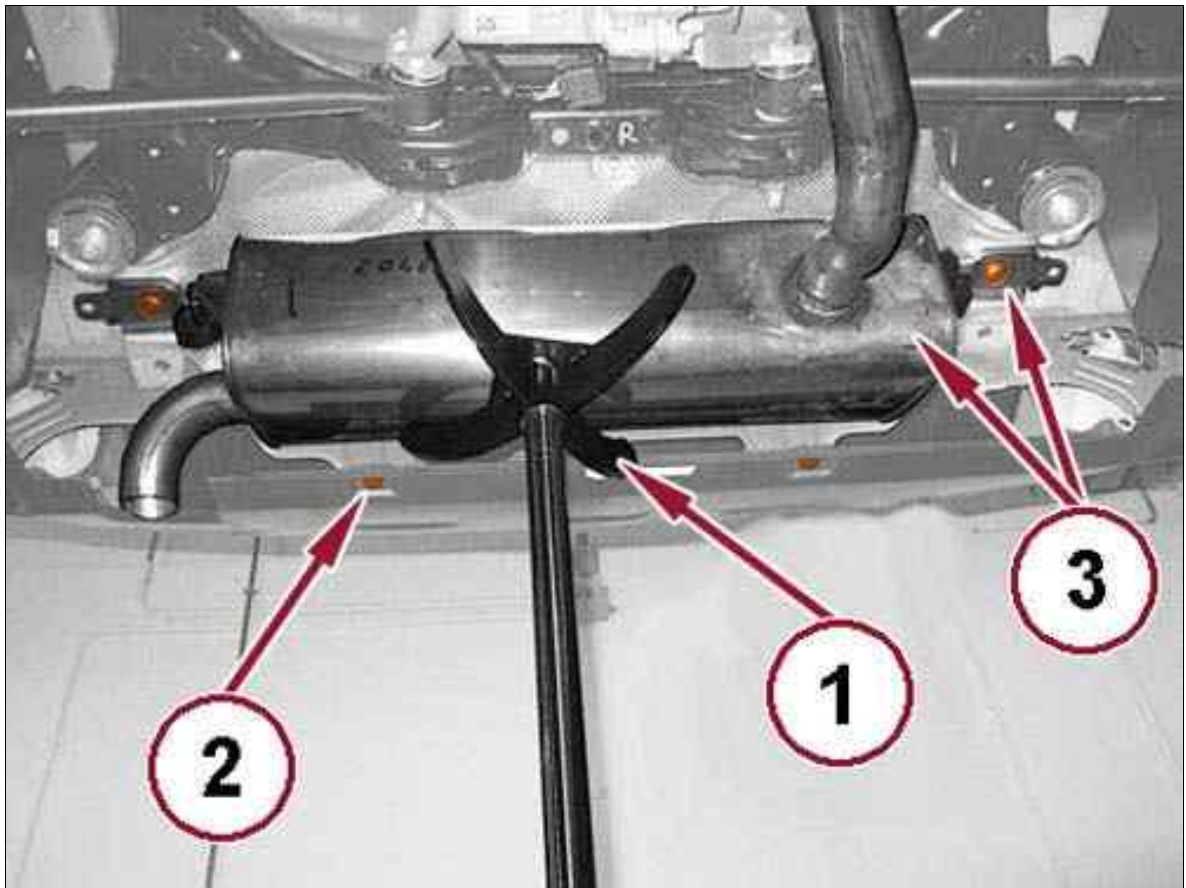
Fig 1: Nuts & Shield



Courtesy of CHRYSLER GROUP, LLC

1. Unscrew the nuts and remove the lower shield .

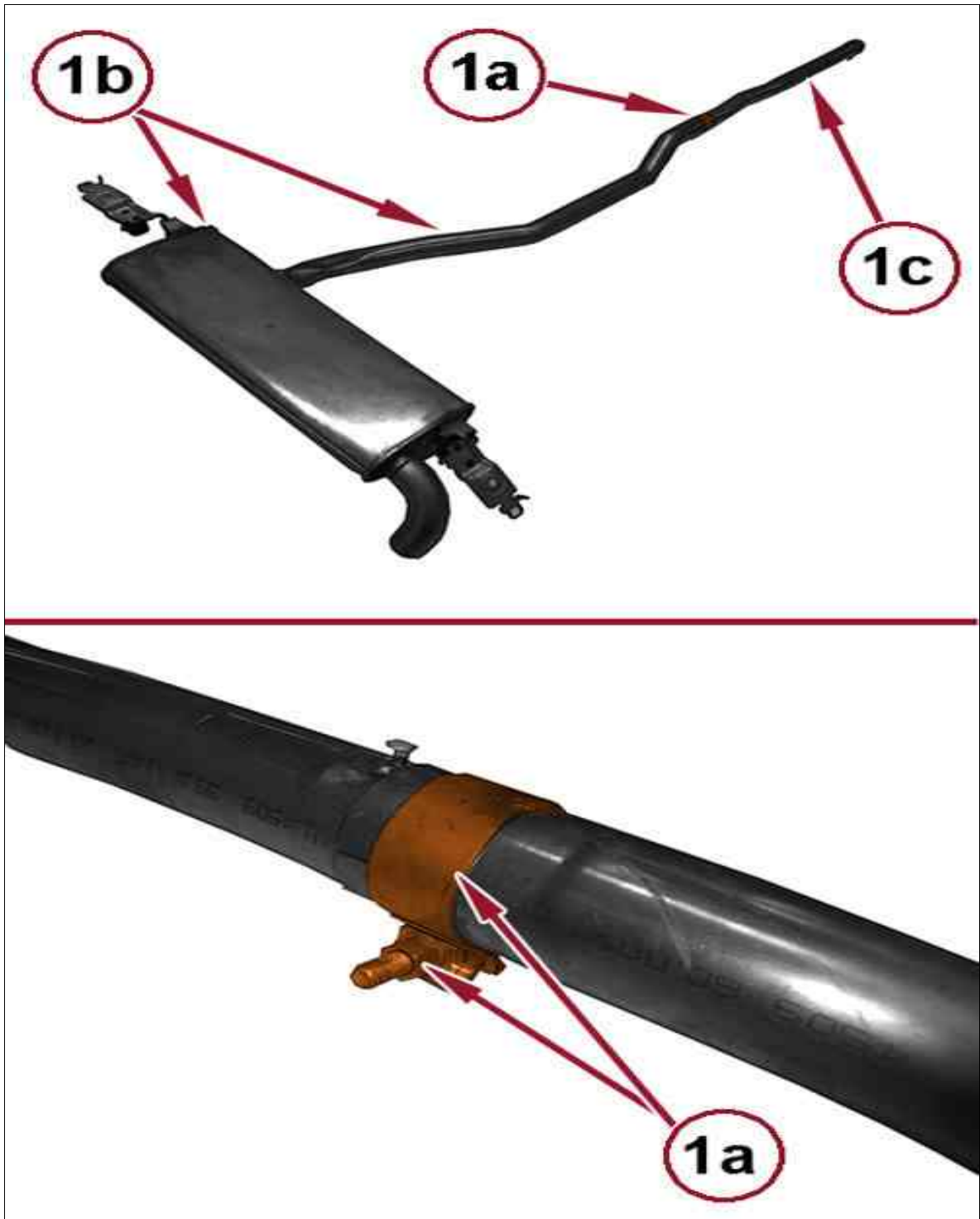
Fig 2: Hydraulic Lift, Muffler & Screws



Courtesy of CHRYSLER GROUP, LLC

2. Place a suitable hydraulic lift under the muffler.
3. Unscrew the center screws securing the rear bumper.
4. Unscrew the screws and remove the exhaust isolators.

Fig 3: Rear Exhaust Muffler, Exhaust Pipe Center & Nut

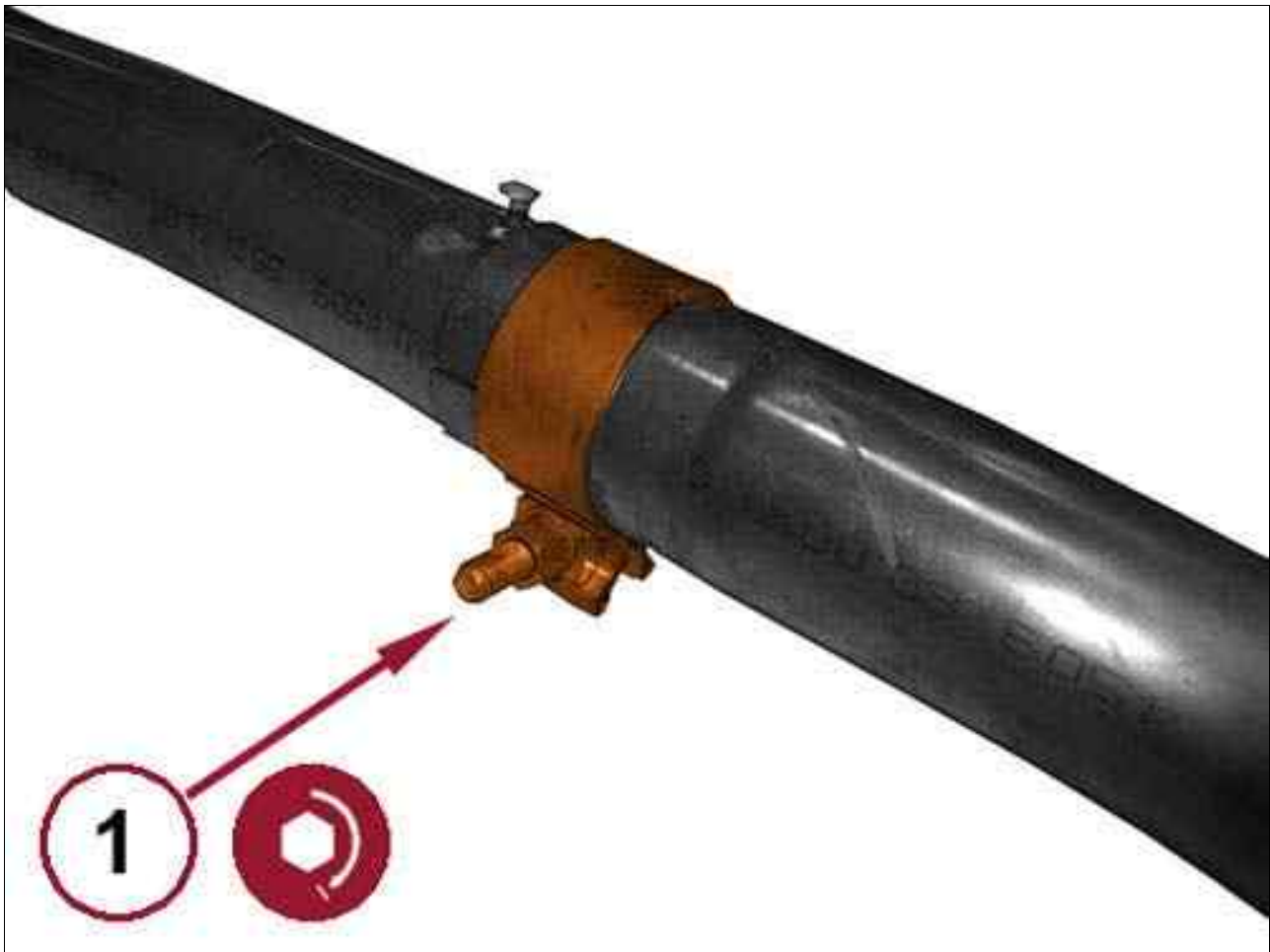


Courtesy of CHRYSLER GROUP, LLC

5. Unscrew the nut (1a), loosen the collar and disconnect the rear exhaust muffler (1b) from the exhaust pipe center (1c).

**MUFFLER, EXHAUST > REMOVAL AND INSTALLATION > REAR > 2.0L TURBO
DIESEL/1.6L TURBO DIESEL INSTALLATION**

Fig 1: Clamp & Nut



Courtesy of CHRYSLER GROUP, LLC

1. Connect the exhaust muffler to the rear exhaust pipe central and tighten the exhaust clamp nut to the specified torque. Refer to SPECIFICATIONS .
2. Using a suitable hydraulic lift put in their seats the isolators linking them to the front section of the exhaust pipe.
3. Tighten the mounting screws to the muffler back to the body.
4. Tighten the center screws securing the rear bumper.
5. Tighten and torque the exhaust clamp connecting pipes. Refer to SPECIFICATIONS .

 **NOTE:**

Only for 2.0L Turbo Diesel 170 hp:

6. Install and seat the transmission shaft guard and tighten the nuts.

MUFFLER, EXHAUST > REMOVAL AND INSTALLATION > FRONT > 2.4L MULTIAIR2 / 1.4L TURBO MULTIAIR

1. The exhaust muffler front is removed together with the exhaust muffler rear and therefore, refer to MUFFLER, EXHAUST, REMOVAL AND INSTALLATION .

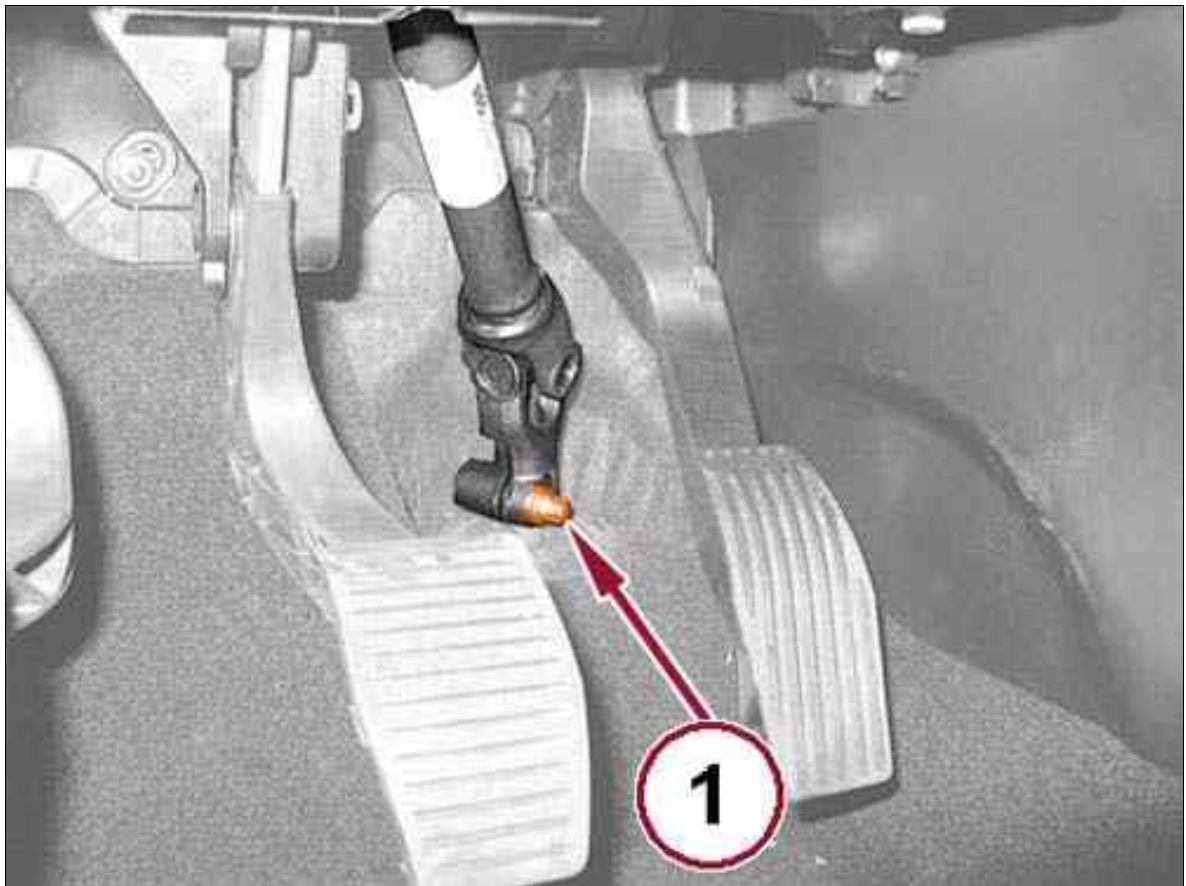
MUFFLER, EXHAUST > REMOVAL AND INSTALLATION > CENTER PIPE > 2.0L TURBO DIESEL/1.6L TURBO DIESEL

1. Refer to MUFFLER, EXHAUST, REMOVAL AND INSTALLATION .

PIPE, EXHAUST > REMOVAL AND INSTALLATION > 1.4L > REMOVAL

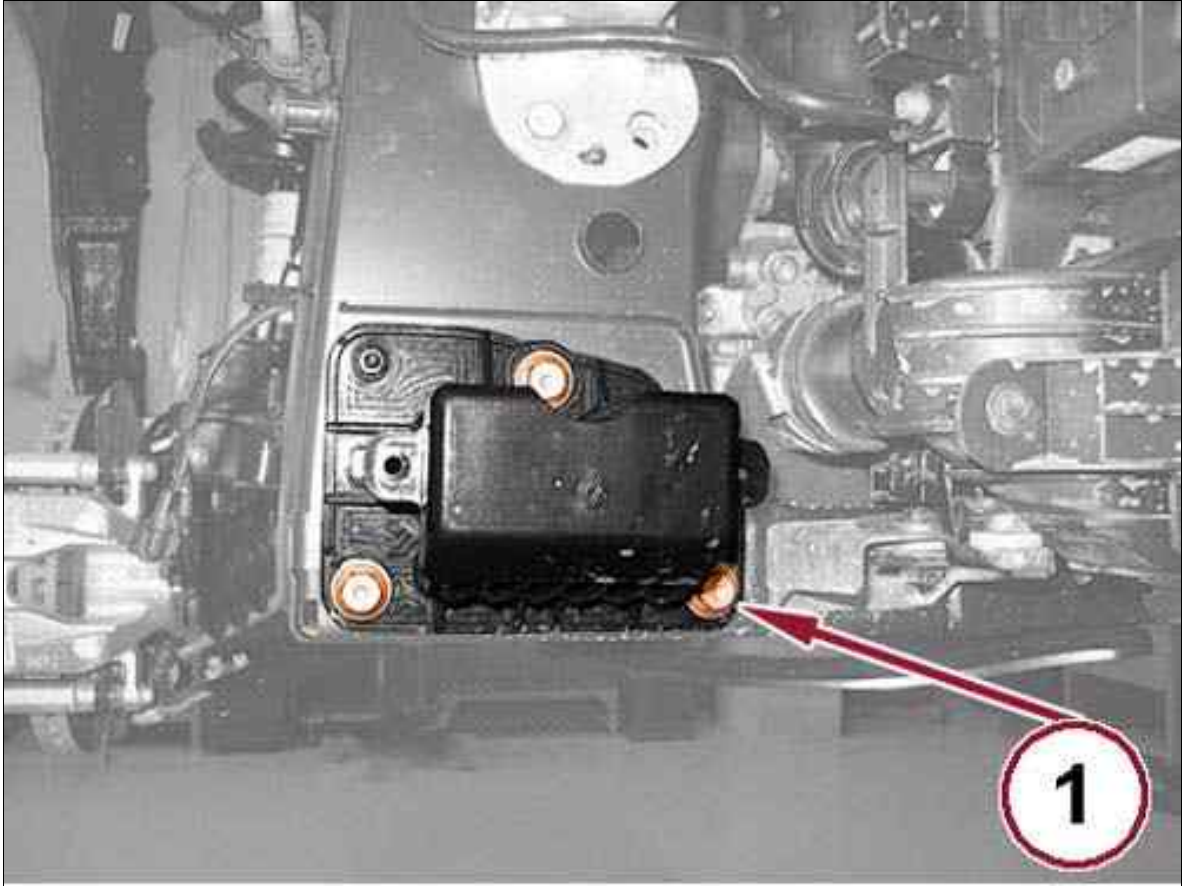
1. Raise and support the vehicle. Refer to HOISTING, STANDARD PROCEDURE .
2. Remove engine belly pan. Refer to BELLY PAN, REMOVAL AND INSTALLATION or BELLY PAN, SIDE, REMOVAL AND INSTALLATION .
3. Remove the front fascia. Refer to FASCIA, FRONT, REMOVAL AND INSTALLATION .

Fig 1: Steering Column To Pinion Steering Box Screw



4. Unscrew the screw (1) securing the steering column to the pinion steering box.

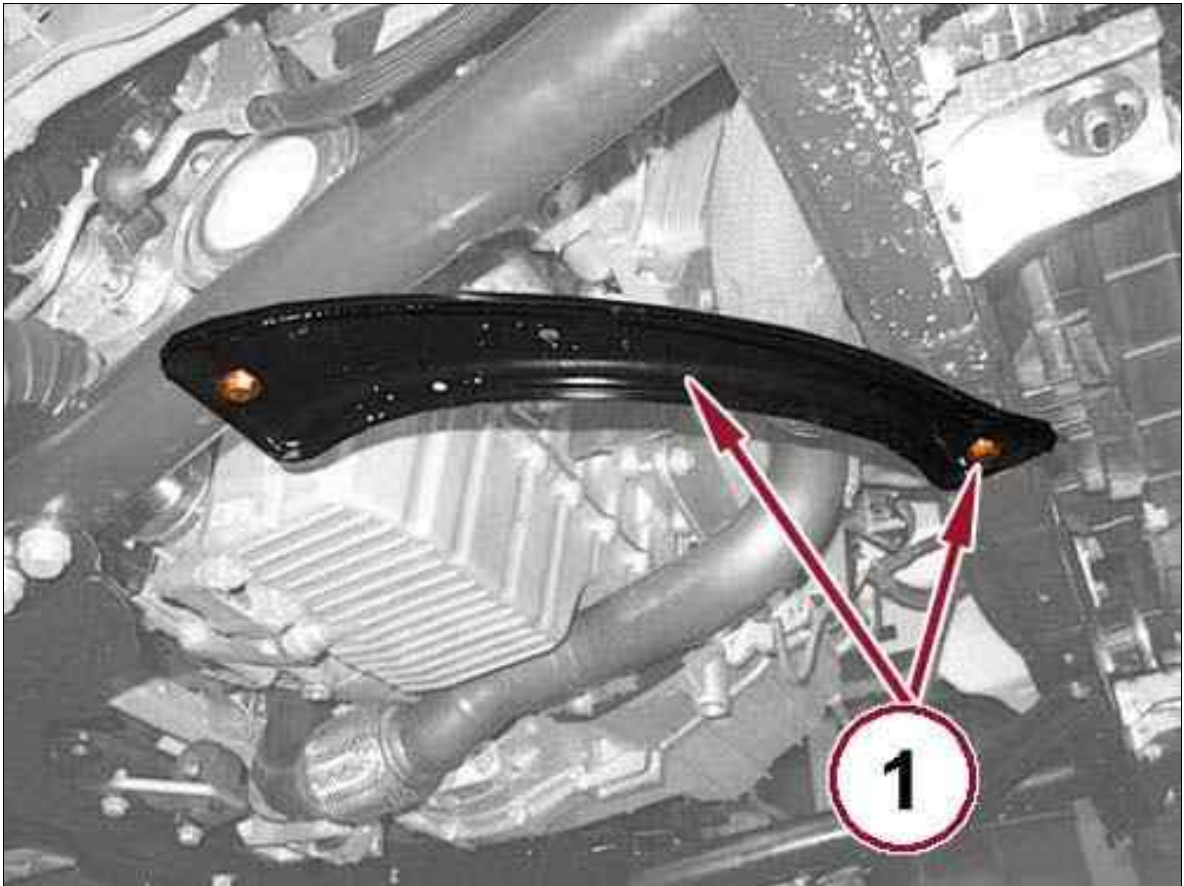
Fig 2: Right Load Beam Extension Screws



Courtesy of CHRYSLER GROUP, LLC

5. Remove the screws (1) securing the right load beam extension at the front end.

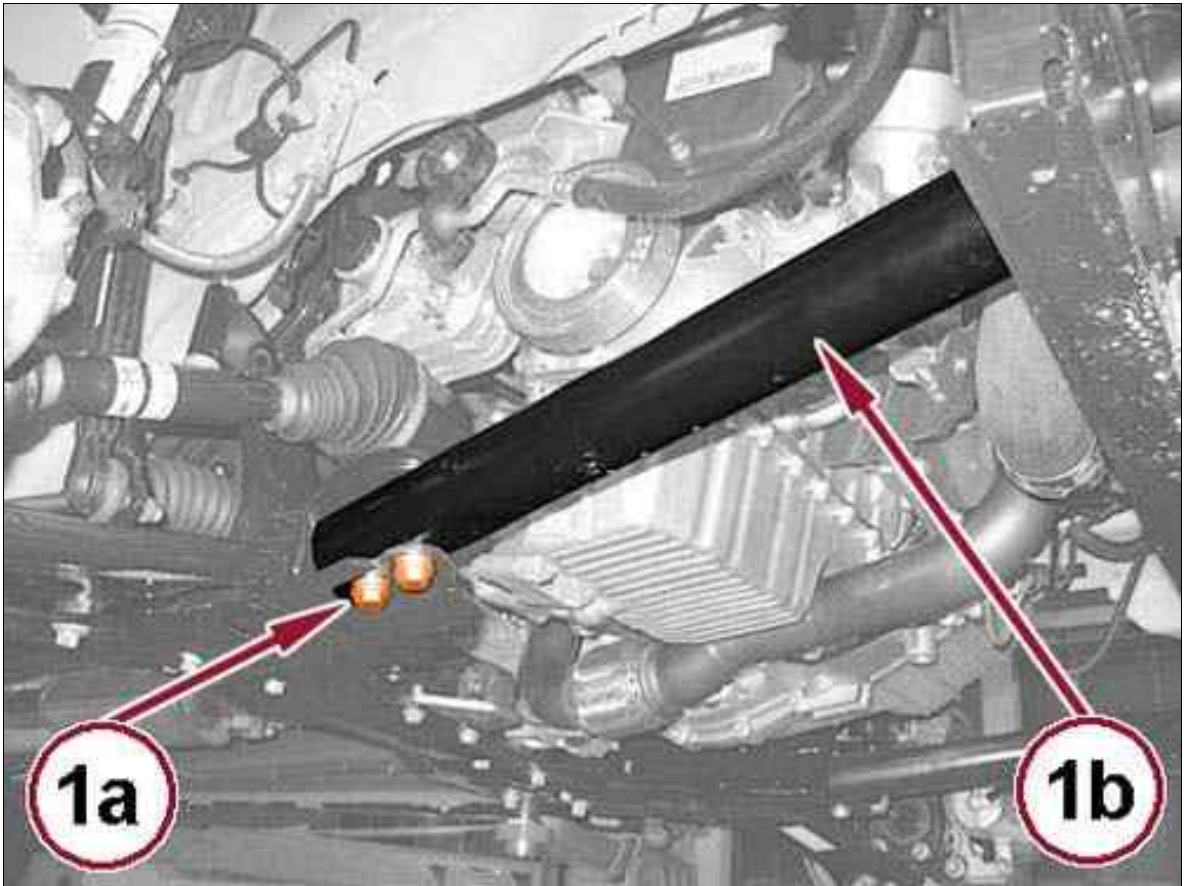
Fig 3: Reinforcement Bracket Screws



Courtesy of CHRYSLER GROUP, LLC

6. Unscrew the screws (1) and remove the reinforcement bracket of the front-end.

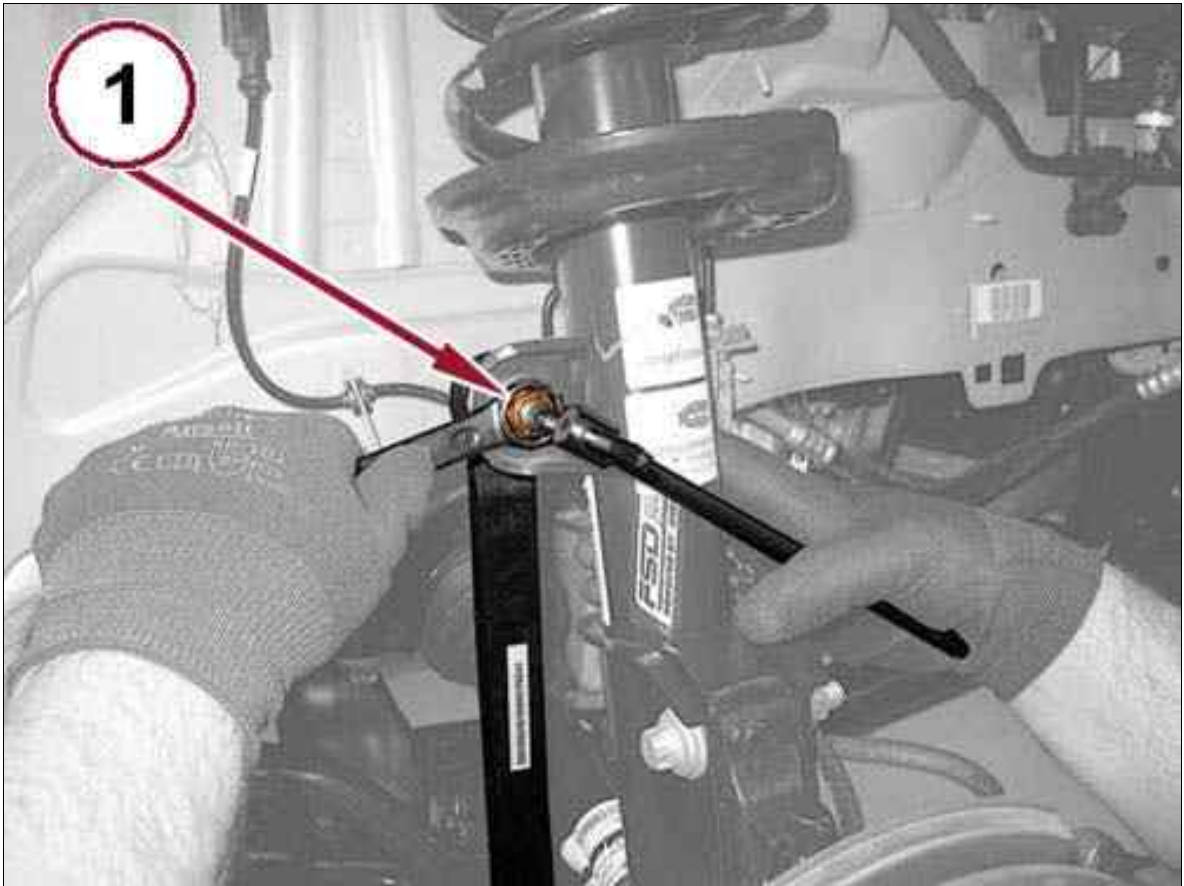
Fig 4: Right Lower Load Beam Screws



Courtesy of CHRYSLER GROUP, LLC

7. Unscrew the screws (1a) and remove the right lower load beam (1b).
8. On the left side, do the same for the removal of the load beam extension, reinforcement bracket and lower load beam.

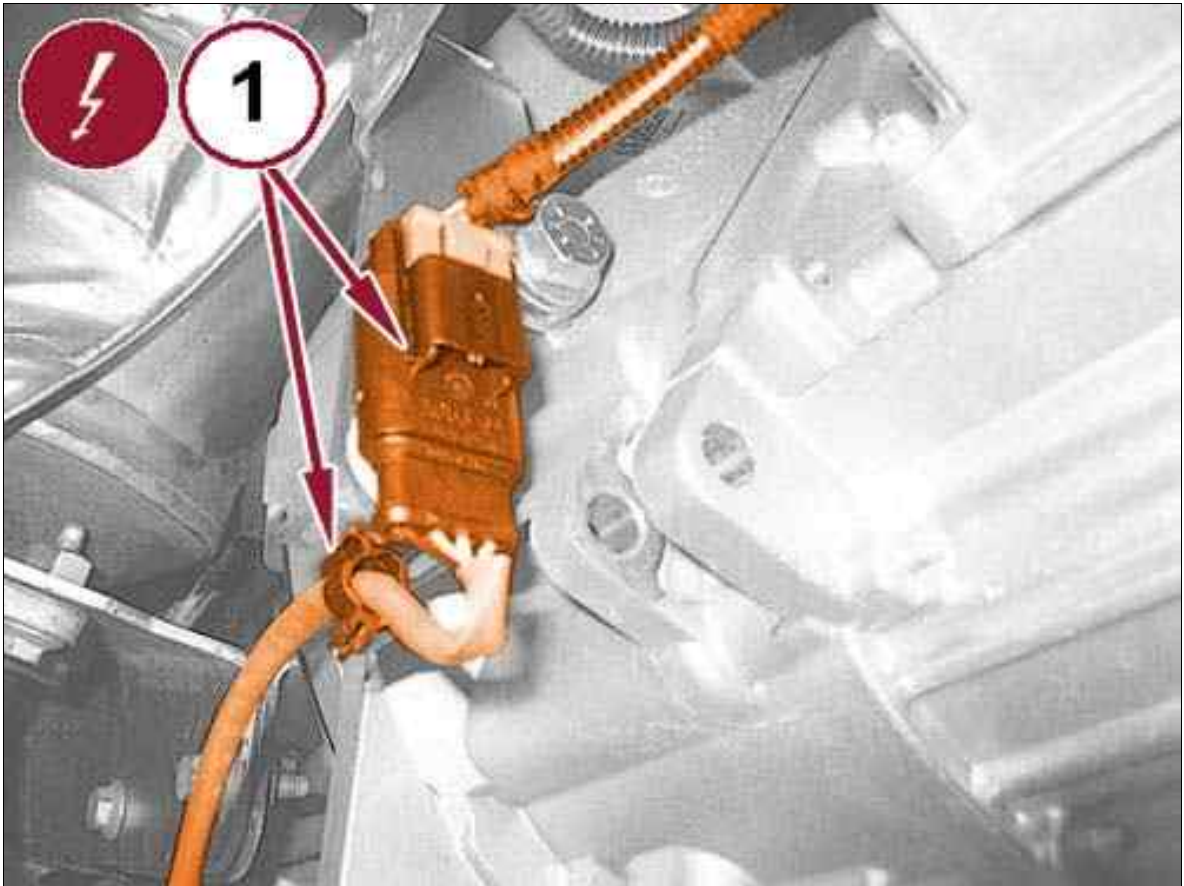
Fig 5: Stabilizer Bar Link & Nut



Courtesy of CHRYSLER GROUP, LLC

9. Holding the stem of the link, loosen the fixing nut (1) on right stabilizer bar link and disconnect it from the shock.
10. On the left side, proceed similarly to disconnect the stabilizer bar link.

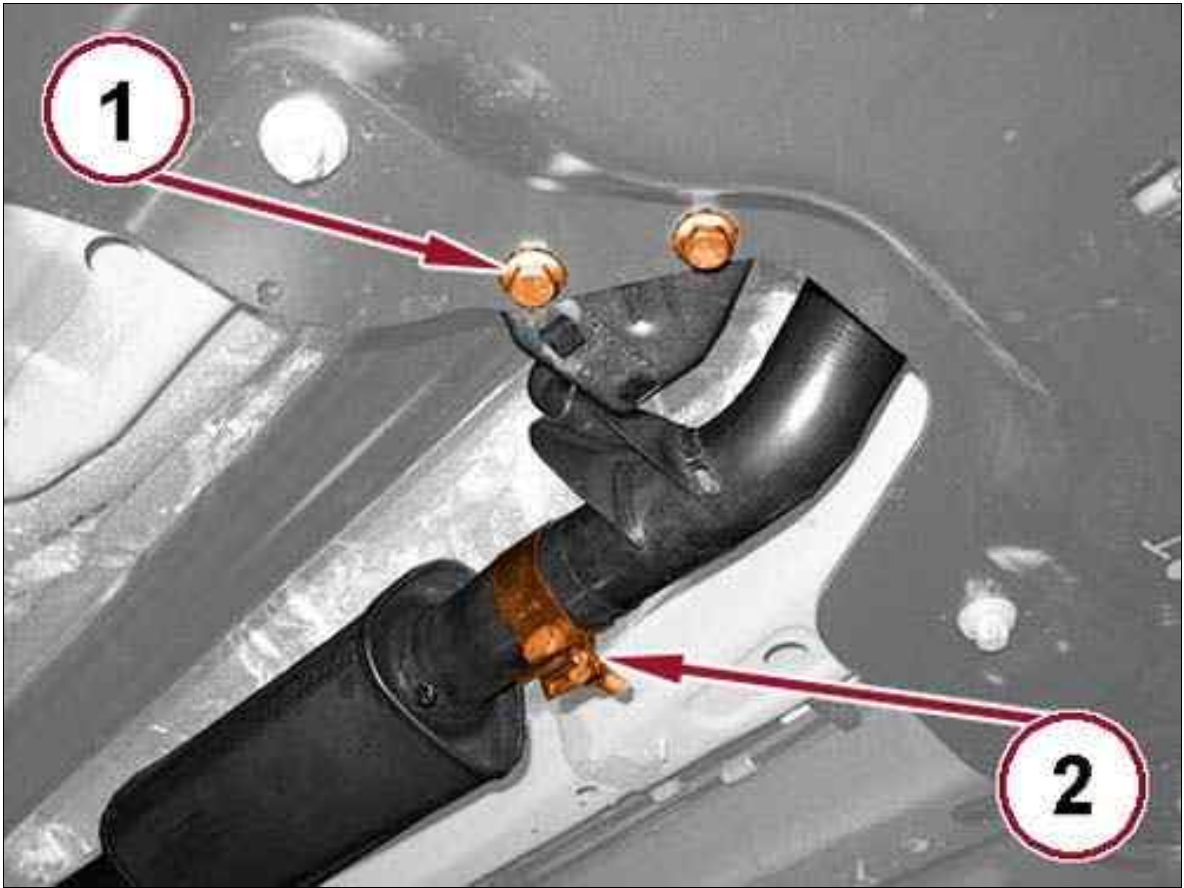
Fig 6: Wiring & Connector



Courtesy of CHRYSLER GROUP, LLC

11. Disengage the wiring (1) and disconnect the electrical connection of the lambda probe back to the catalytic converter.

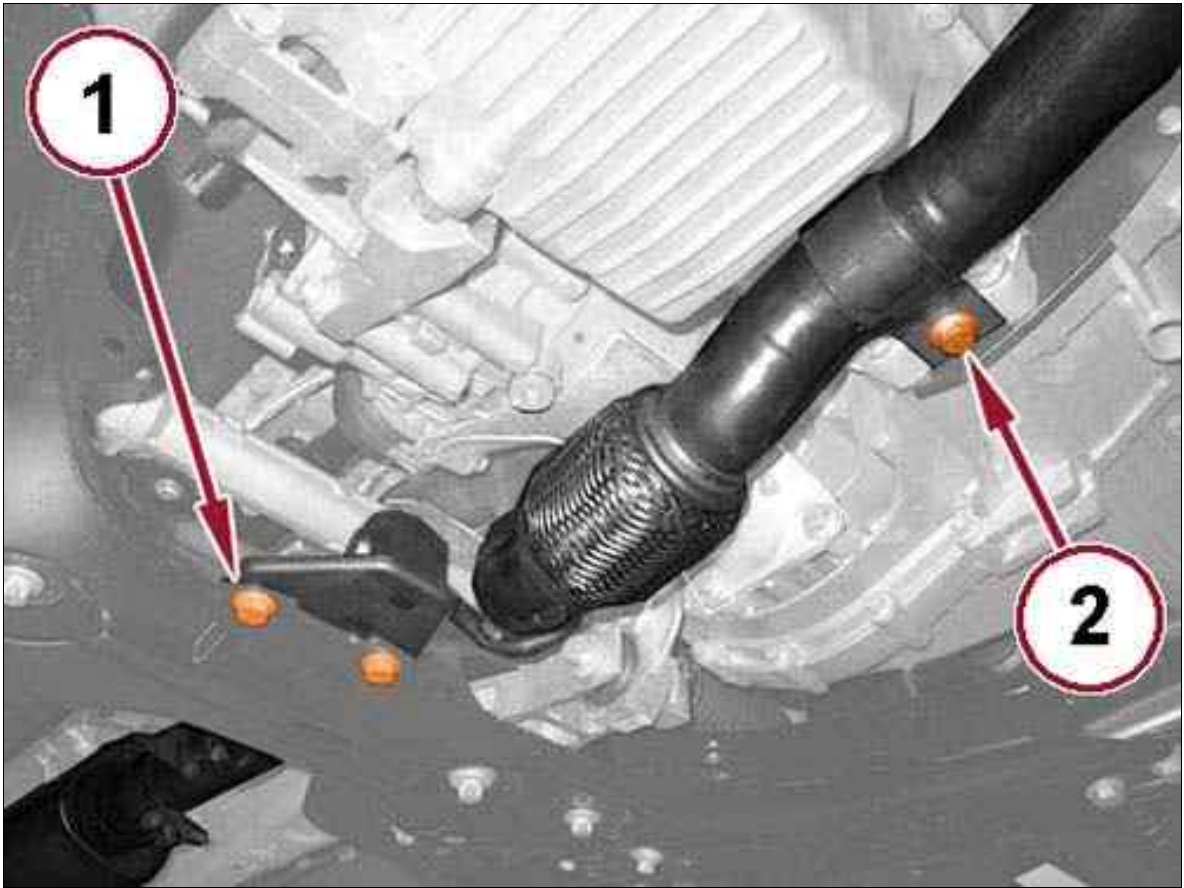
Fig 7: Rear Bracket To Support The Exhaust Pipe Screws & Sleeve Connecting Pipes Nut



Courtesy of CHRYSLER GROUP, LLC

12. Remove the screws (1) securing the rear bracket to support the exhaust pipe.
13. Unscrew the nut (2) and loosen the sleeve connecting pipes.

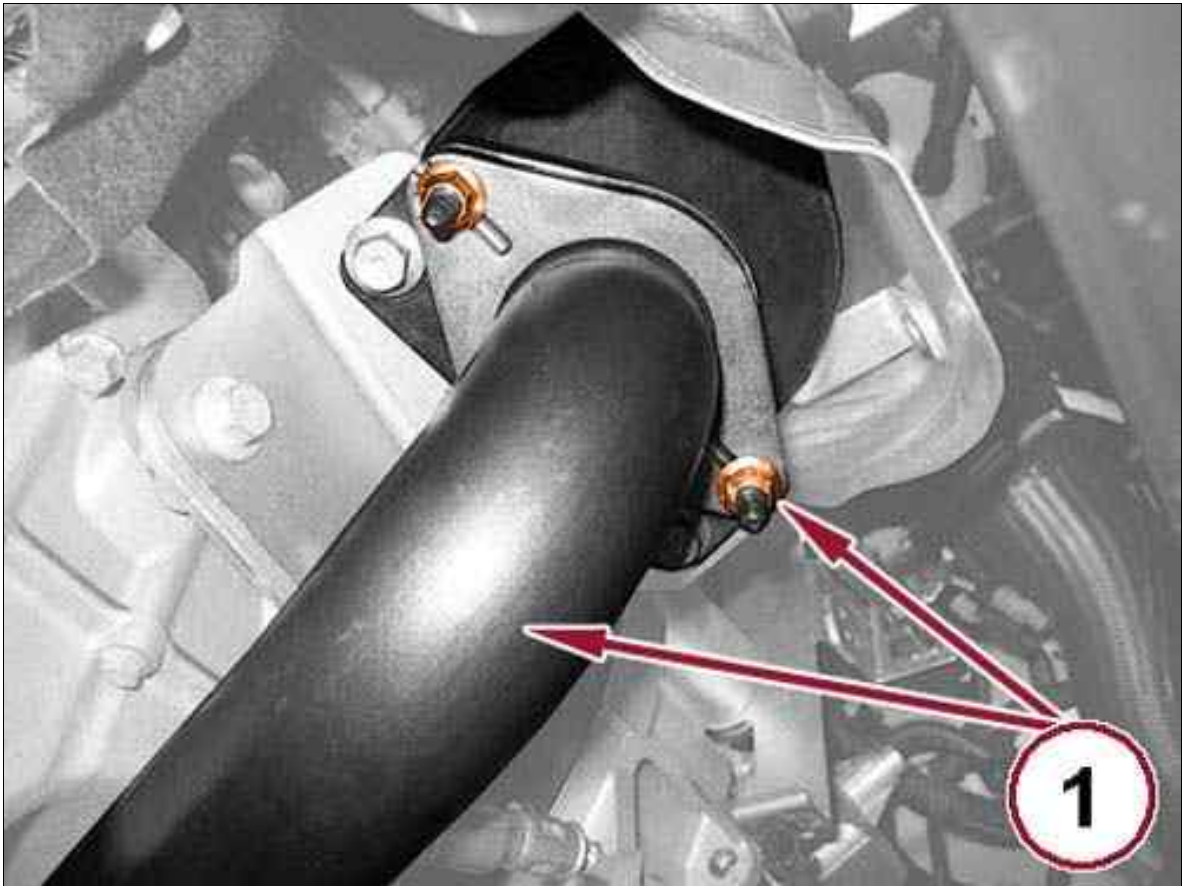
Fig 8: Screws & Clamp



Courtesy of CHRYSLER GROUP, LLC

14. Remove the screws (1) securing the support bracket front exhaust.
15. Unscrew the screw (2) collar support the discharge pipe to the engine oil sump.

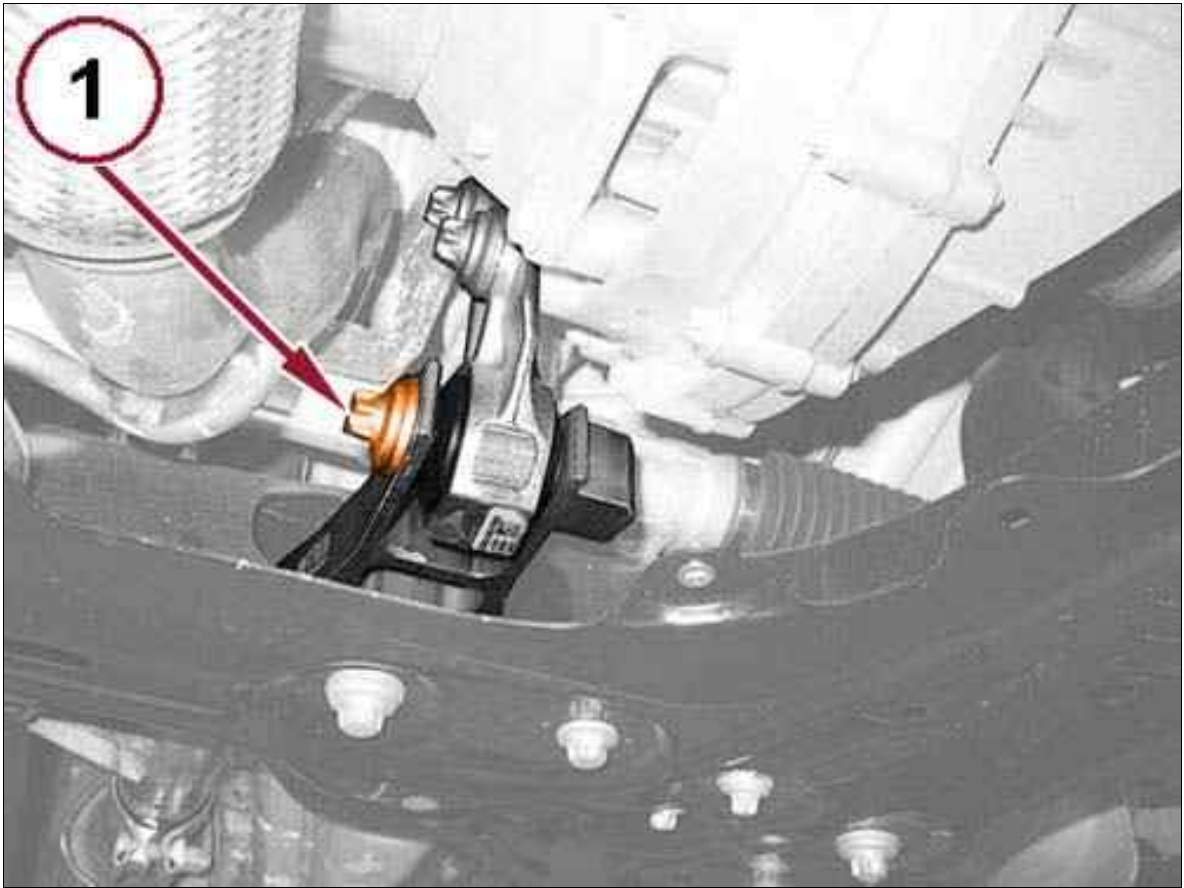
Fig 9: Exhaust Pipe From The Catalytic Converter Nuts



Courtesy of CHRYSLER GROUP, LLC

16. Unscrew the nuts (1) and disengage the exhaust pipe from the catalytic converter.
17. Remove the gasket.

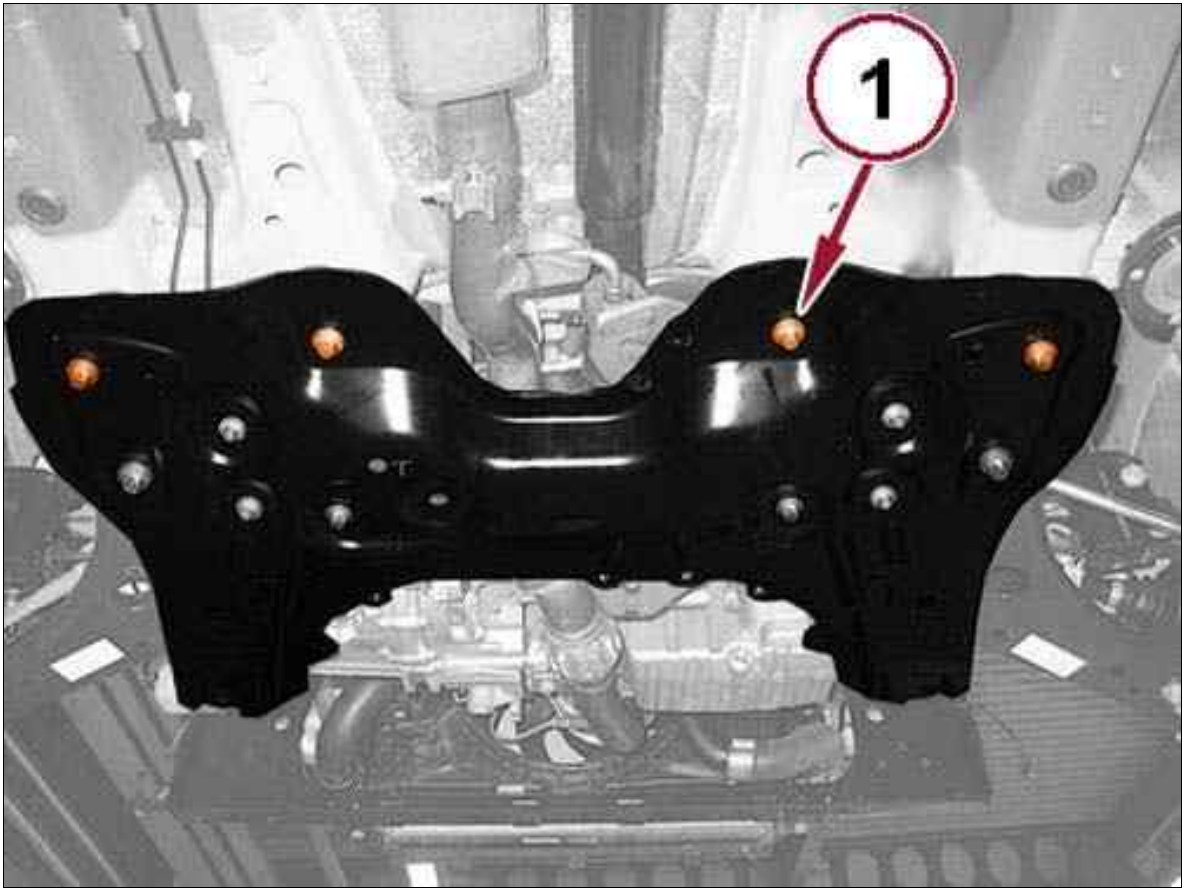
Fig 10: Rear Engine Mount Isolator To Bracket Bolt



Courtesy of CHRYSLER GROUP, LLC

18. Remove the rear engine mount isolator to bracket bolt (1).

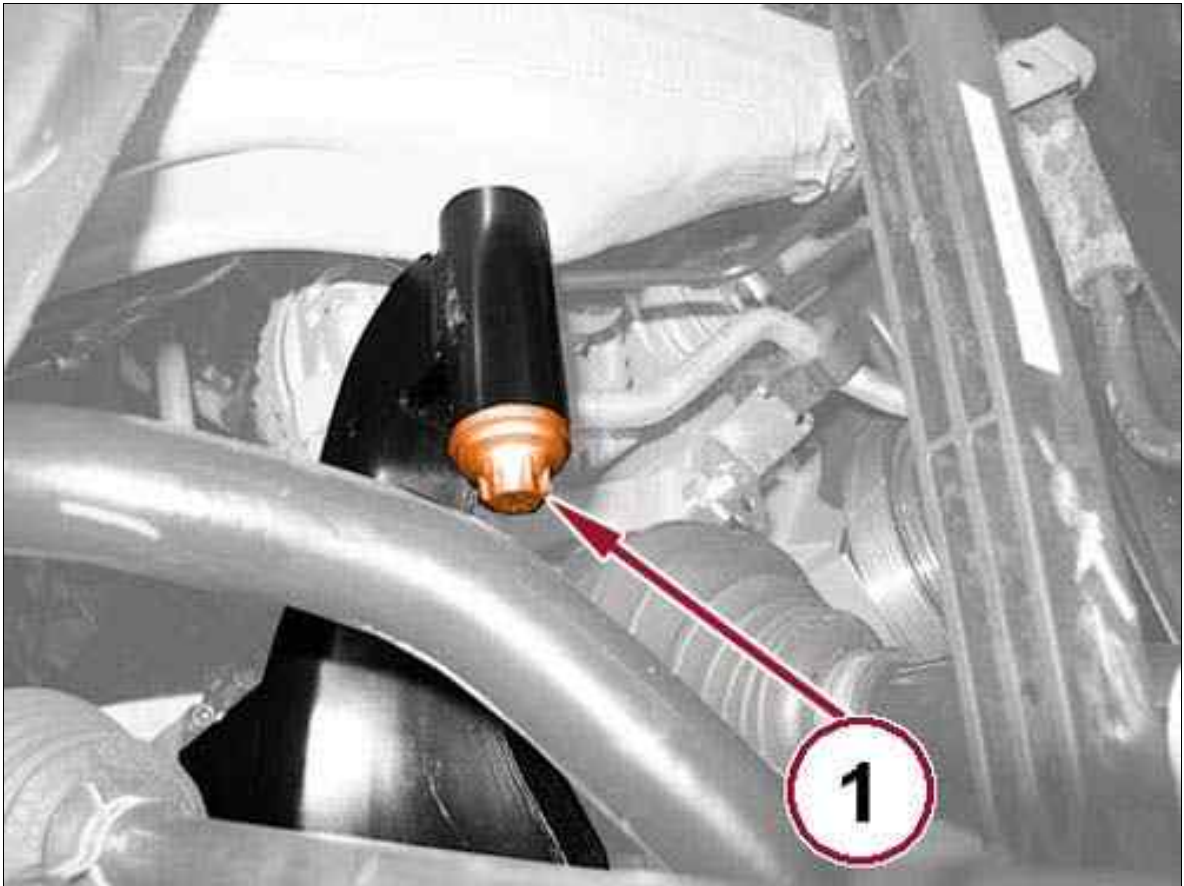
Fig 11: Crossmember To Body Screws



Courtesy of CHRYSLER GROUP, LLC

19. Place a suitable hydraulic lift under the crossmember of the suspension.
20. Remove the screws (1) securing the rear of the suspension crossmember to the body.

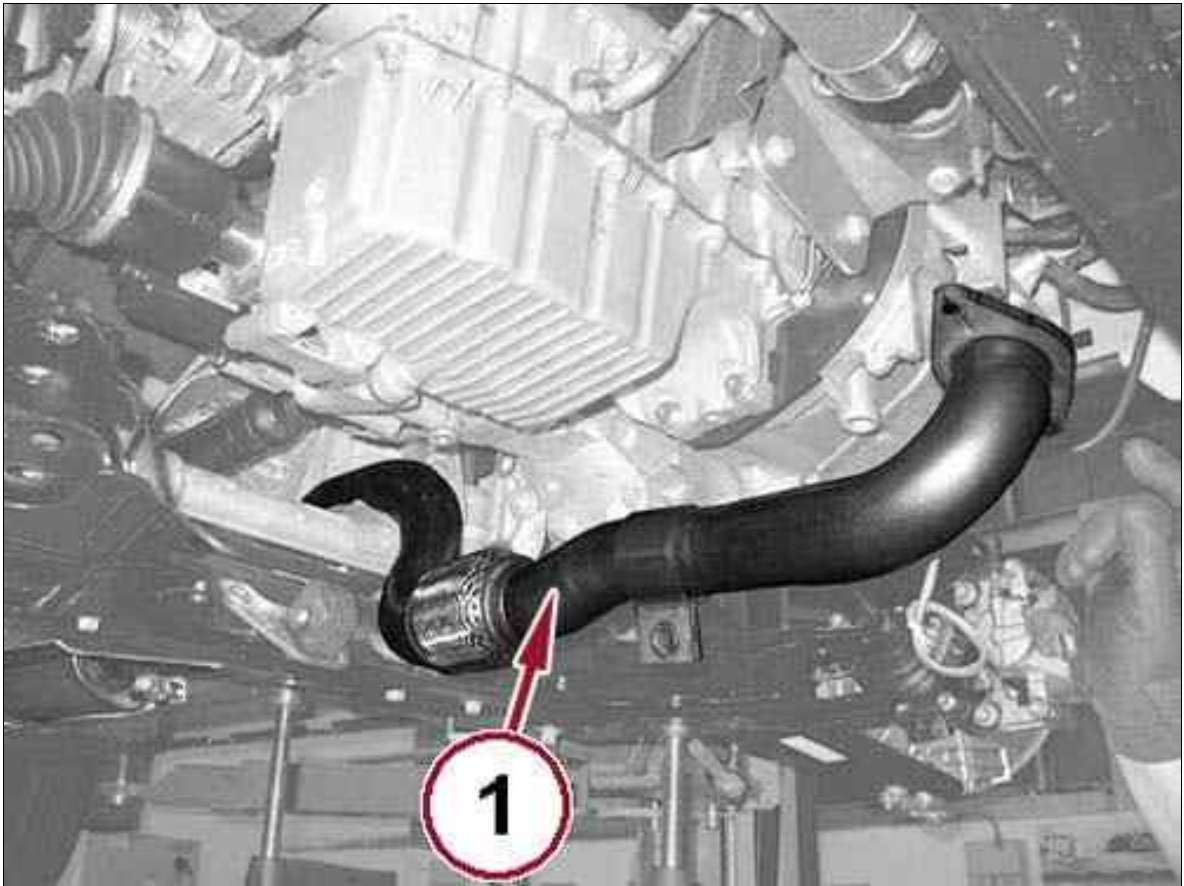
Fig 12: Crossmember Fixing Screws



Courtesy of CHRYSLER GROUP, LLC

21. Unscrew the crossmember fixing screws (1) from the left and right side panels.

Fig 13: Front Flex Pipe



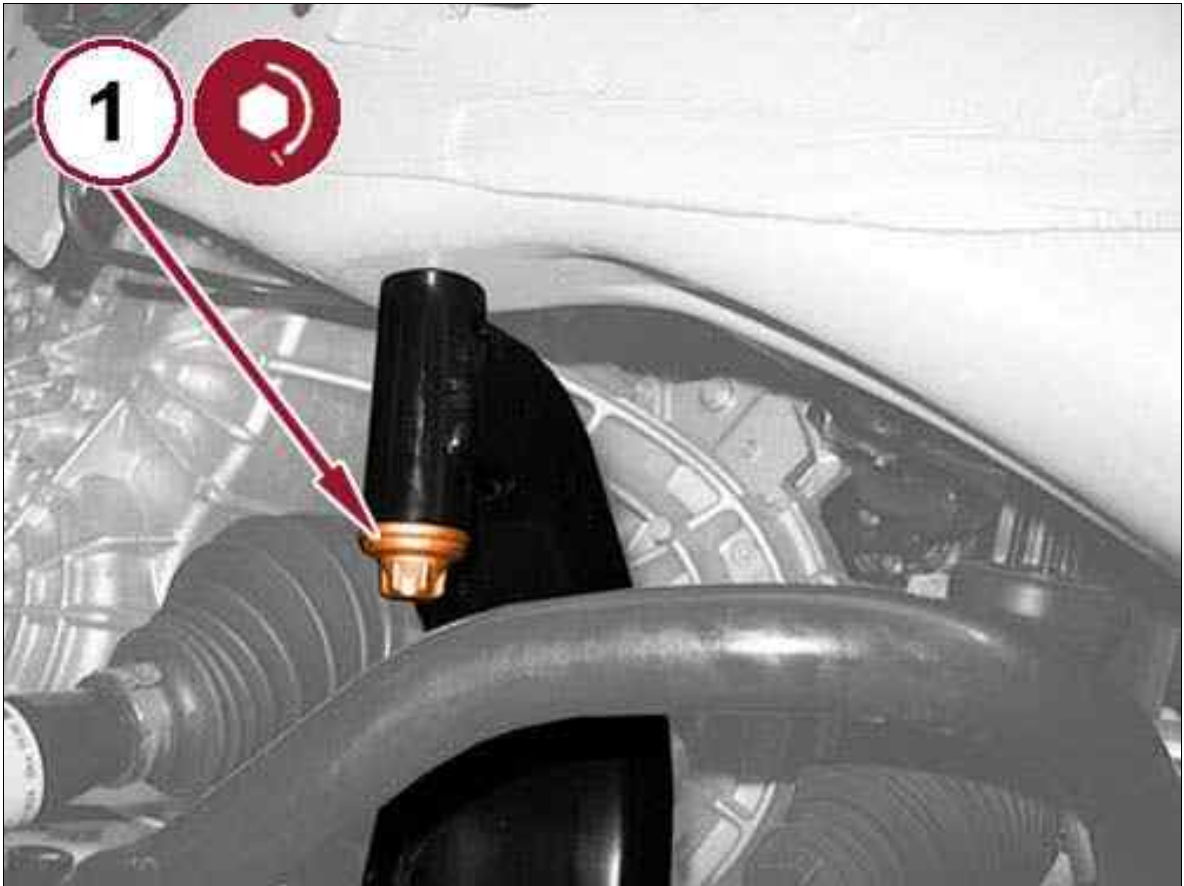
Courtesy of CHRYSLER GROUP, LLC

22. Turn the hydraulic lift controls to lower the bar and remove the exhaust pipe with front flex pipe (1) from the exhaust silencer front.

PIPE, EXHAUST > REMOVAL AND INSTALLATION > 1.4L > INSTALLATION

1. Put into place the exhaust pipe with front flex pipe and connect it to the exhaust silencer front.

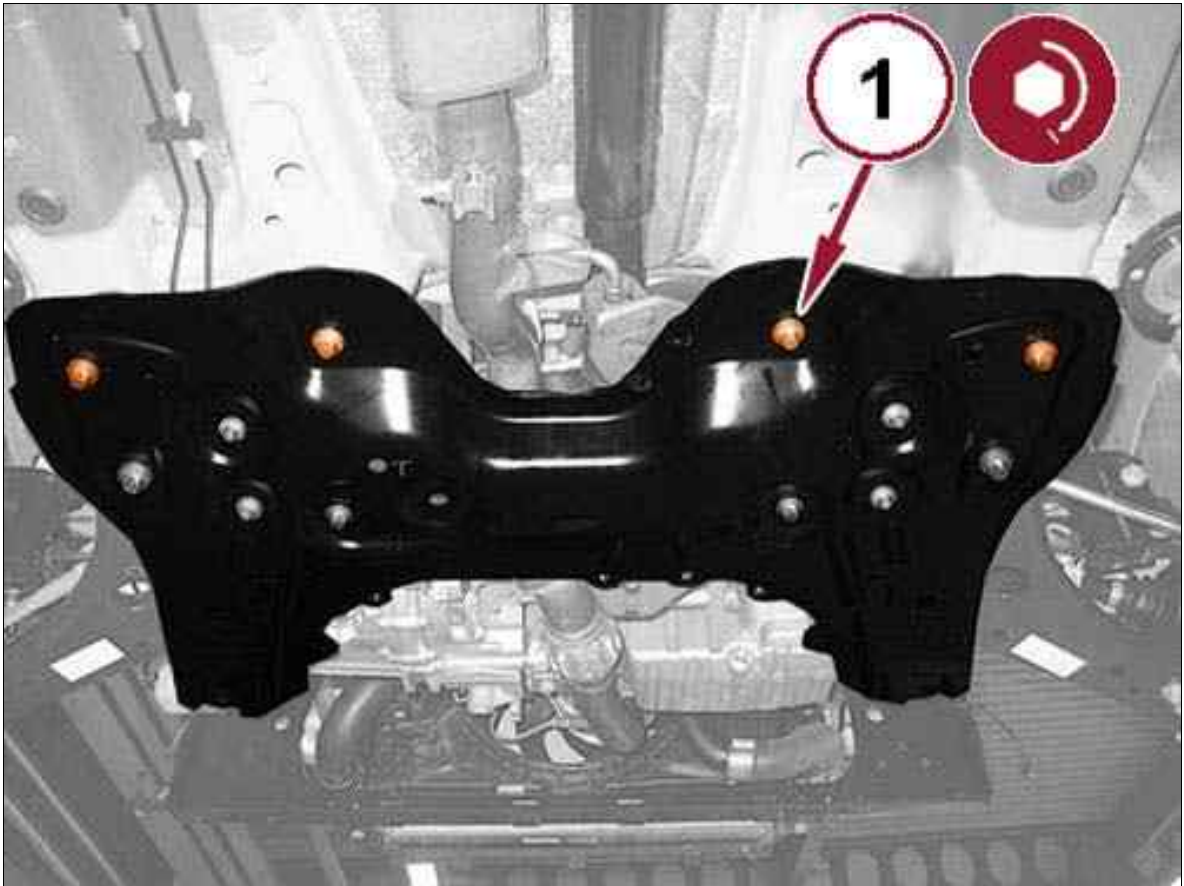
Fig 1: Side Panel Mounting Screws



Courtesy of CHRYSLER GROUP, LLC

2. Using a hydraulic lift put into place the crossmember of the suspension and tighten the left and right side panel mounting screws (1) to the proper torque specification. Refer to SPECIFICATIONS .

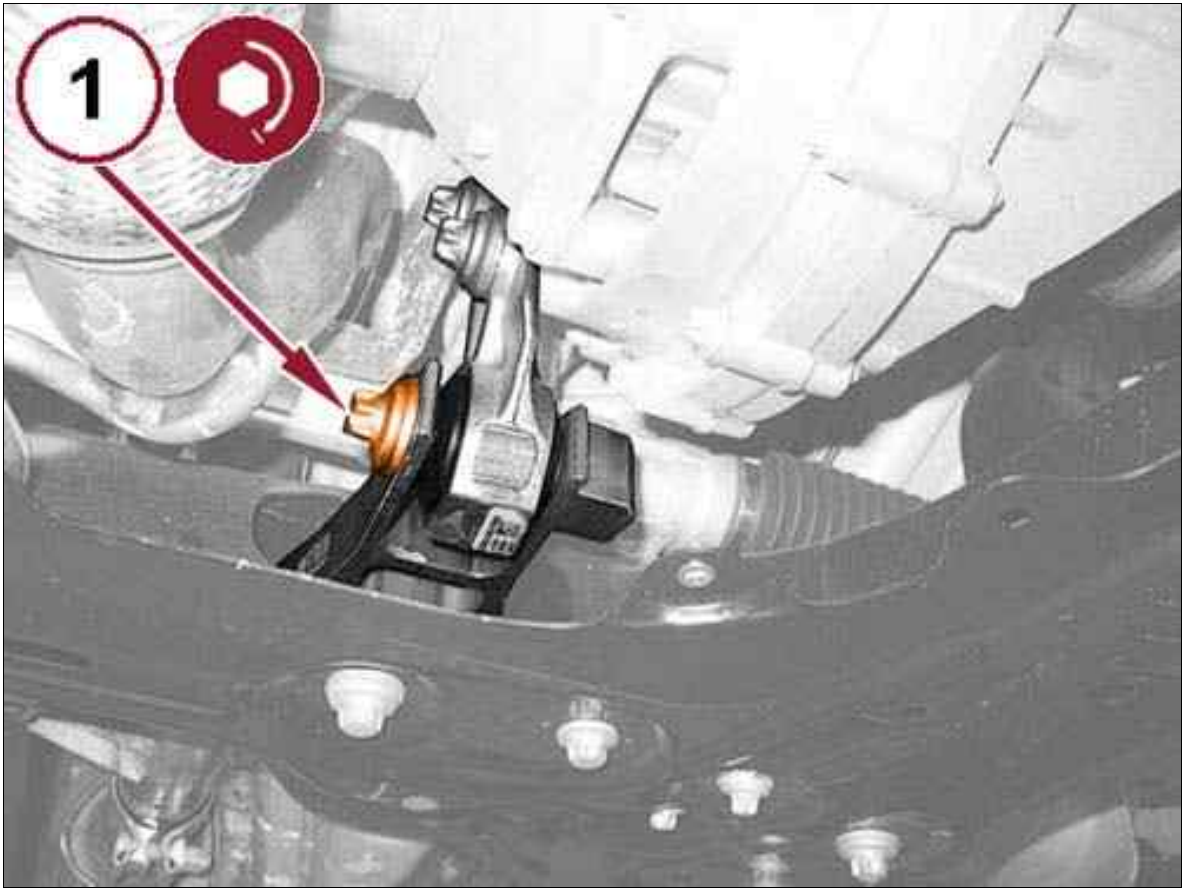
Fig 2: Suspension Crossmember To Body Screws



Courtesy of CHRYSLER GROUP, LLC

3. Tighten and torque the screws (1) fixing rear of the suspension crossmember to the body.
Refer to SPECIFICATIONS .
4. Remove the hydraulic lift.

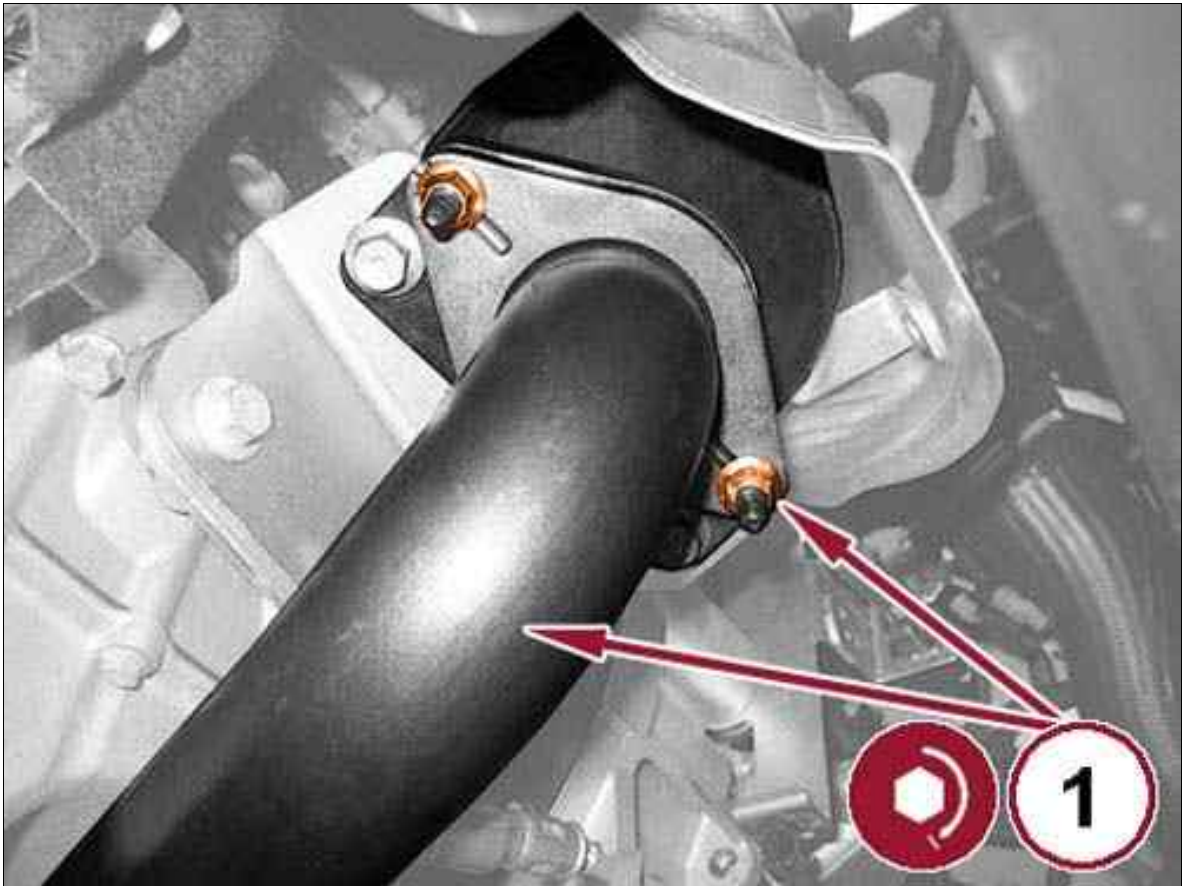
Fig 3: Rear Engine Mount Isolator Bolt



Courtesy of CHRYSLER GROUP, LLC

5. Install the rear engine mount isolator bolt (1) and tighten it to the proper torque specification.
Refer to SPECIFICATIONS .

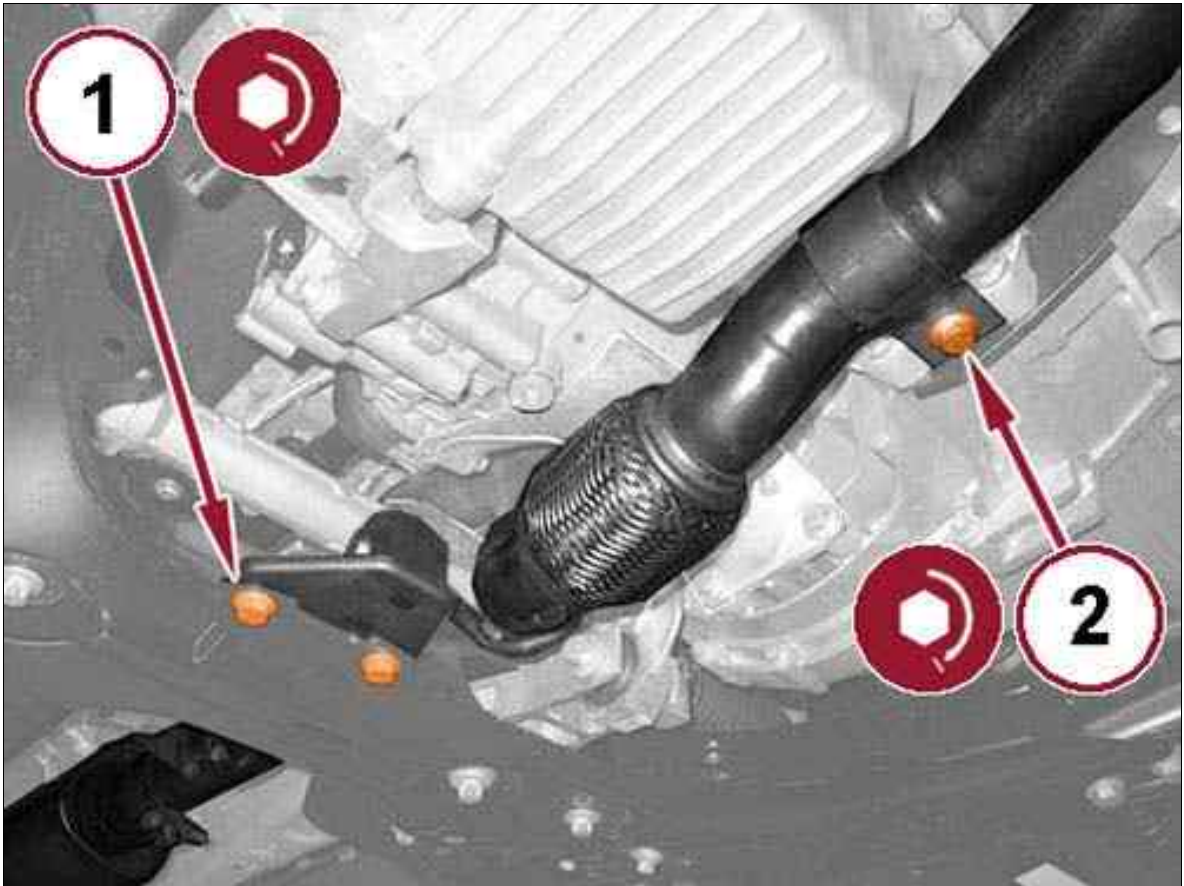
Fig 4: Exhaust Pipe To Catalytic Converter Nuts



Courtesy of CHRYSLER GROUP, LLC

6. Connect the exhaust pipe to the catalytic converter, complete with new gasket and tighten the new nuts (1) to the proper torque specification. Refer to SPECIFICATIONS .

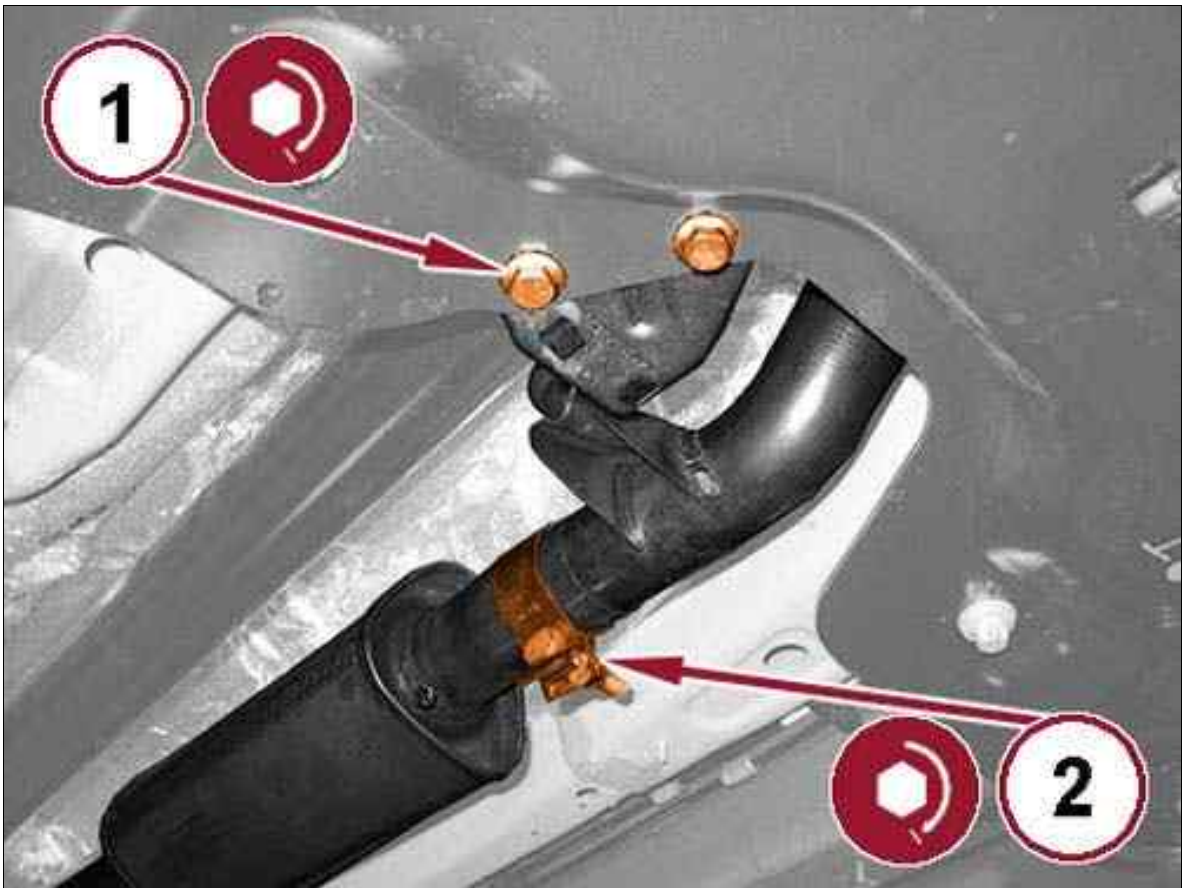
Fig 5: Fastening Screws



Courtesy of CHRYSLER GROUP, LLC

7. Tighten the fastening screws (1) of the support bracket to front exhaust pipe to the proper torque specification. Refer to SPECIFICATIONS .
8. Tighten the screw (2) clamp support to the exhaust pipe to the engine oil sump to the proper torque specification. Refer to SPECIFICATIONS .

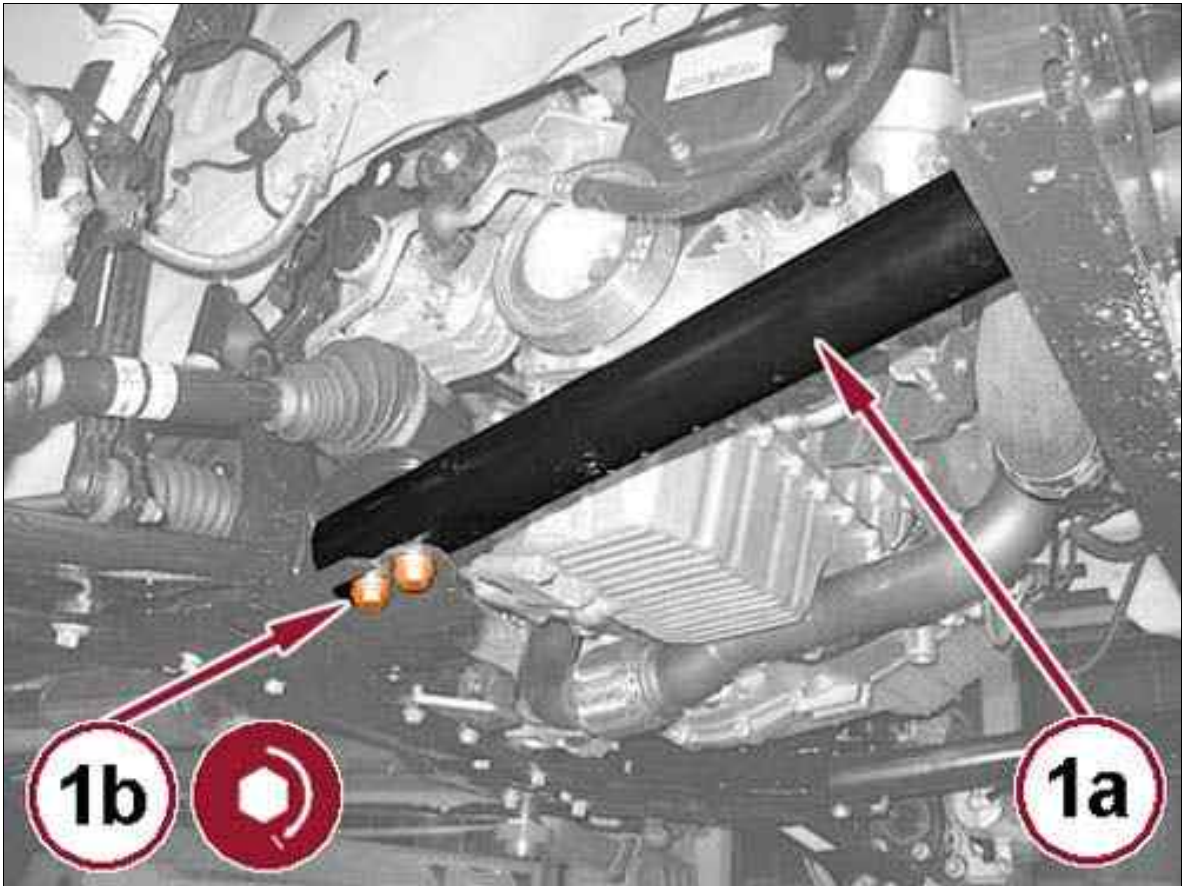
Fig 6: Fastening Screws & Nut



Courtesy of CHRYSLER GROUP, LLC

9. Tighten the fastening screws (1) of the rear bracket supporting the exhaust pipe to the proper torque specification. Refer to SPECIFICATIONS .
10. Tighten the nut (2) of clamp to connecting pipes.
11. Connect the electrical connection of the rear oxygen sensor and catalytic converter to engage the wiring.
12. Connect the right joint stabilizer link and tighten the nut to the proper torque specification. Refer to SPECIFICATIONS .
13. On the left side, do the same to connect the stabilizer bar link.

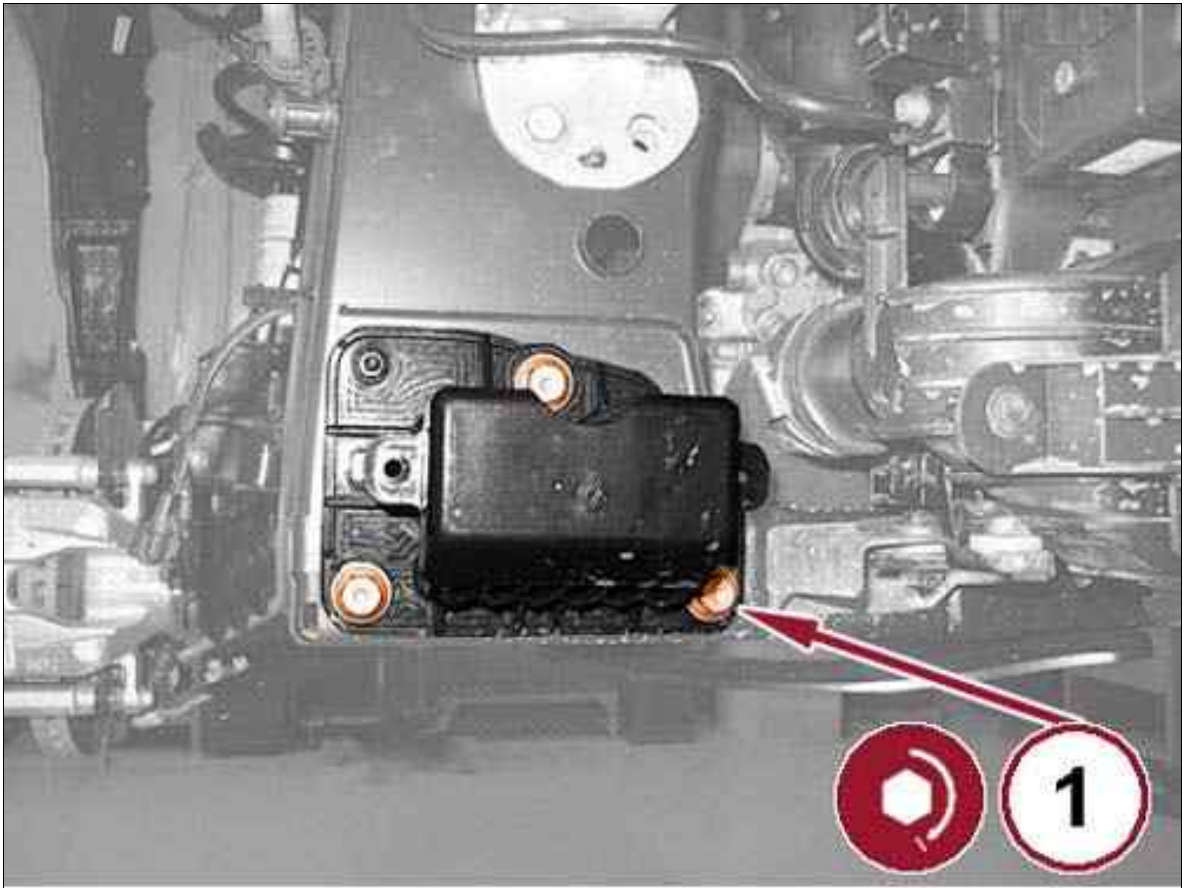
Fig 7: Lower Load Beam & Screws



Courtesy of CHRYSLER GROUP, LLC

14. Put into place the lower load beam (1a) and tighten the screws (1b) to the proper torque specification. Refer to SPECIFICATIONS .

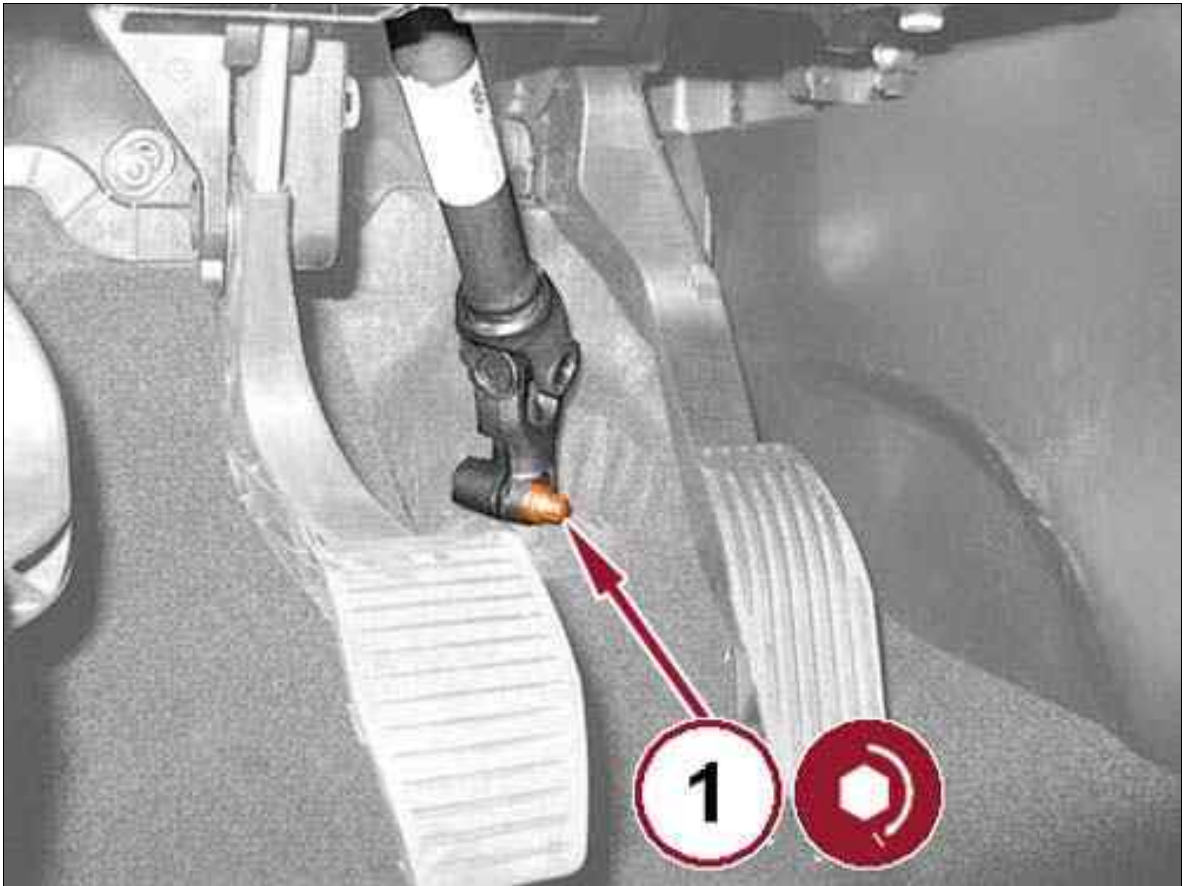
Fig 8: Load Beam Extension Mounting Screws



Courtesy of CHRYSLER GROUP, LLC

15. Put into place the reinforcement bracket and tighten the screws.
16. Tighten and torque the load beam extension mounting screws (1) to the proper torque specification. Refer to SPECIFICATIONS .
17. On the left side, proceed similarly for the reattachment of the lower load beam, reinforcement bracket and load beam extension.

Fig 9: Steering Column To Pinion Steering Box Screw



Courtesy of CHRYSLER GROUP, LLC

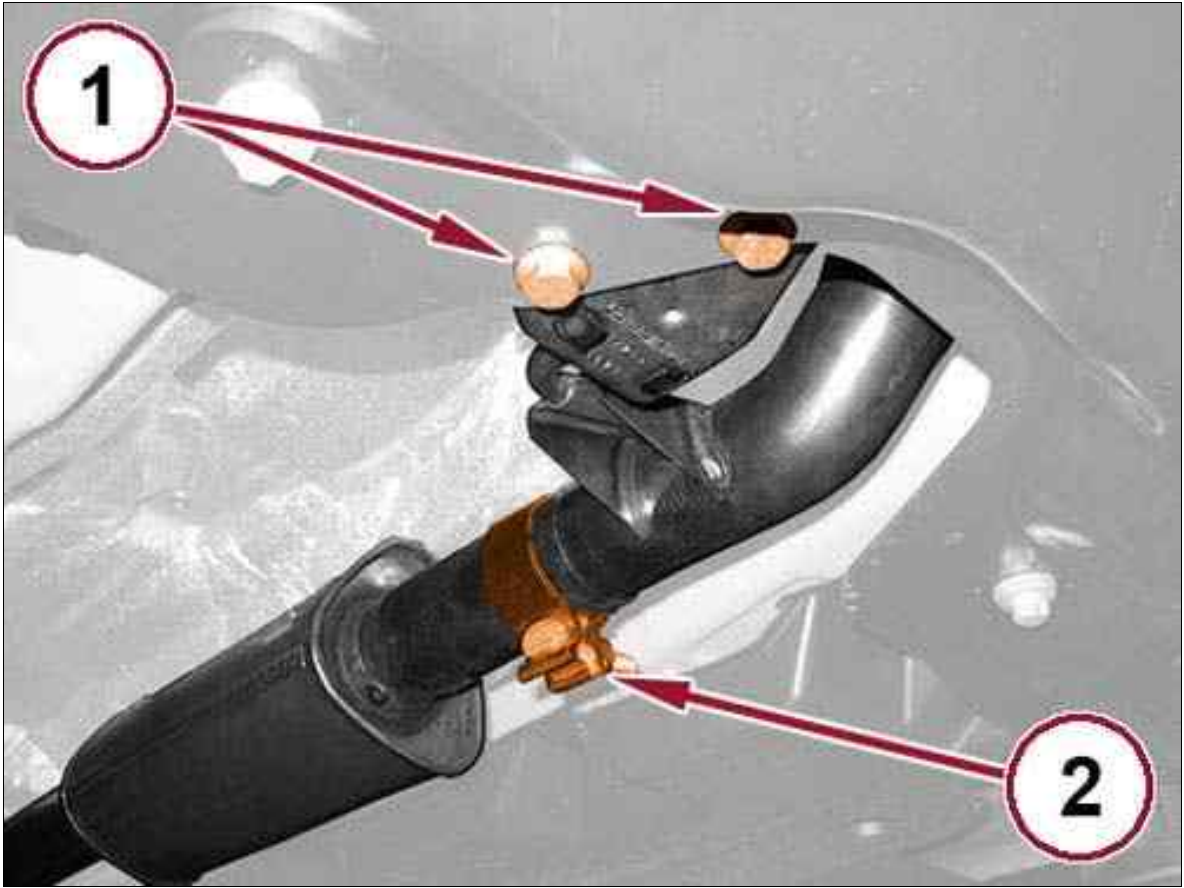
18. Tighten and torque the new screw steering column to the pinion steering box. Refer to SPECIFICATIONS .
19. Install the front fascia. Refer to FASCIA, FRONT, REMOVAL AND INSTALLATION .
20. Install the engine belly pan. Refer to BELLY PAN, REMOVAL AND INSTALLATION or BELLY PAN, SIDE, REMOVAL AND INSTALLATION .
21. Remove the vehicle from the lift.

PIPE, EXHAUST > REMOVAL AND INSTALLATION > 2.4L > REMOVAL

1. Raise and support the vehicle. Refer to HOISTING, STANDARD PROCEDURE .
2. Remove the right front wheel. Refer to REMOVAL AND INSTALLATION .
3. Remove the right front splash shield. Refer to SHIELD, SPLASH, FRONT WHEELHOUSE, REMOVAL AND INSTALLATION .
4. Remove the engine belly pan. Refer to BELLY PAN, REMOVAL AND INSTALLATION or BELLY PAN, SIDE, REMOVAL AND INSTALLATION .
5. Remove the right half-shaft. Refer to REMOVAL AND INSTALLATION for front half shaft or

REMOVAL AND INSTALLATION for rear half shaft.

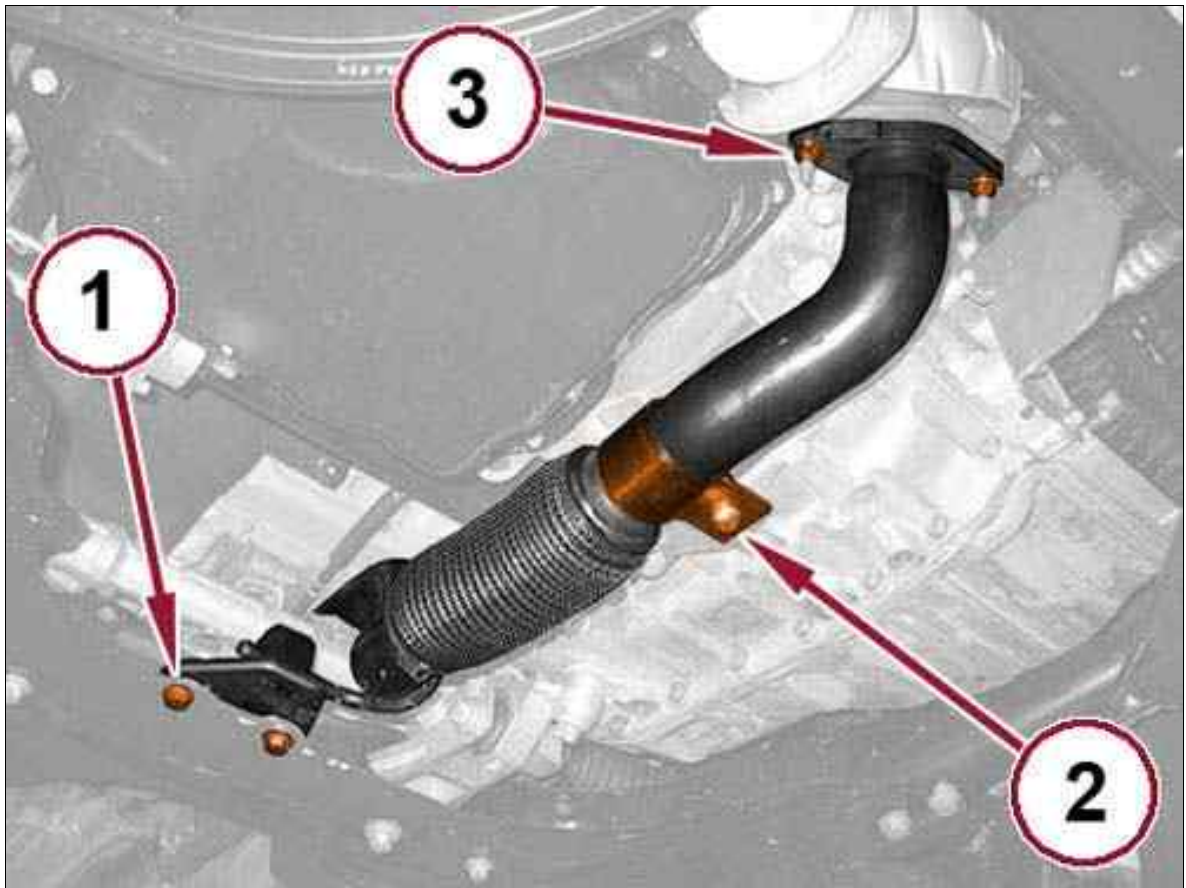
Fig 1: Screws & Nut



Courtesy of CHRYSLER GROUP, LLC

6. Remove the screws (1) securing the rear bracket to support the exhaust pipe.
7. Unscrew the nut (2) and loosen the clamp connecting the pipes.

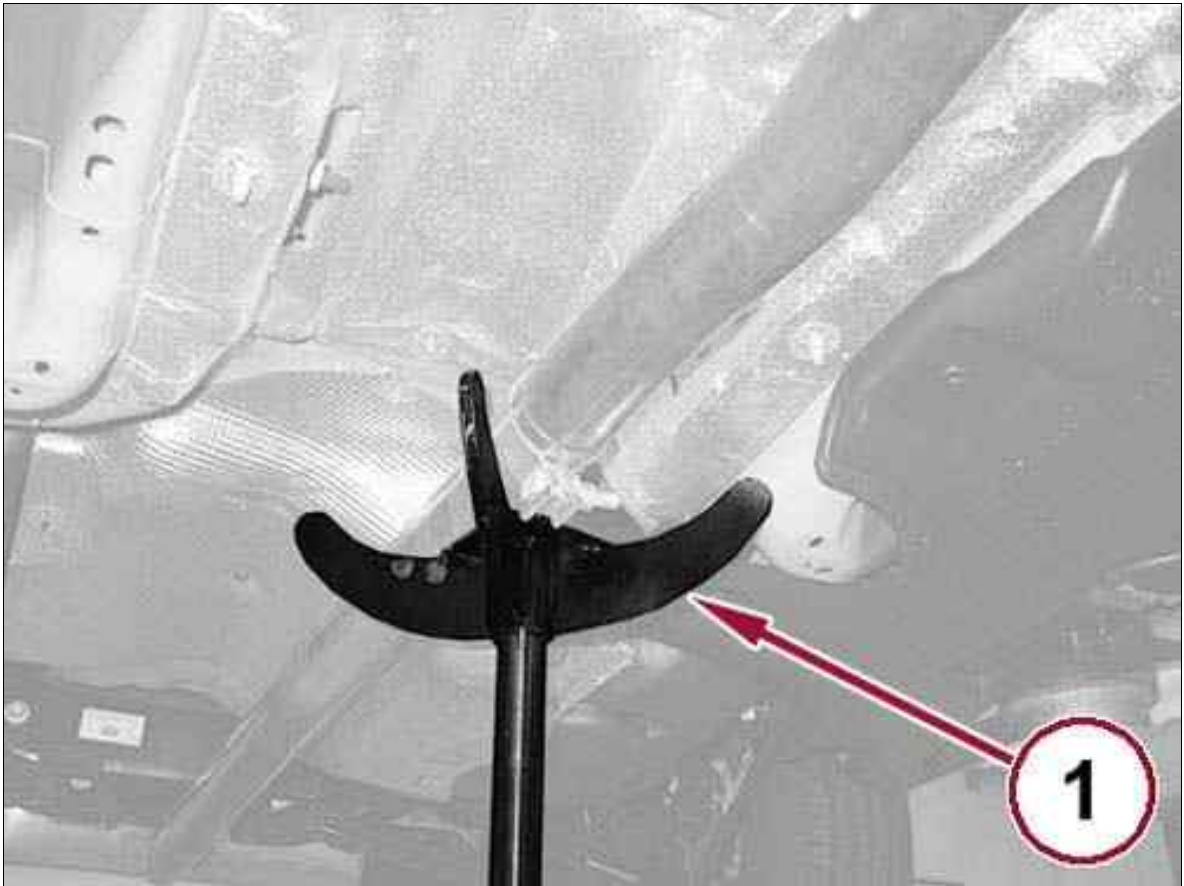
Fig 2: Screws, Clamp & Nuts



Courtesy of CHRYSLER GROUP, LLC

8. Unscrew the fixing screws (1) of the front bracket supporting the exhaust pipe.
9. Unscrew the screw clamp (2) support the exhaust pipe to the bracket on the engine.
10. Unscrew the nuts (3) and disengage the exhaust pipe from the catalytic converter.
11. Remove the gasket.

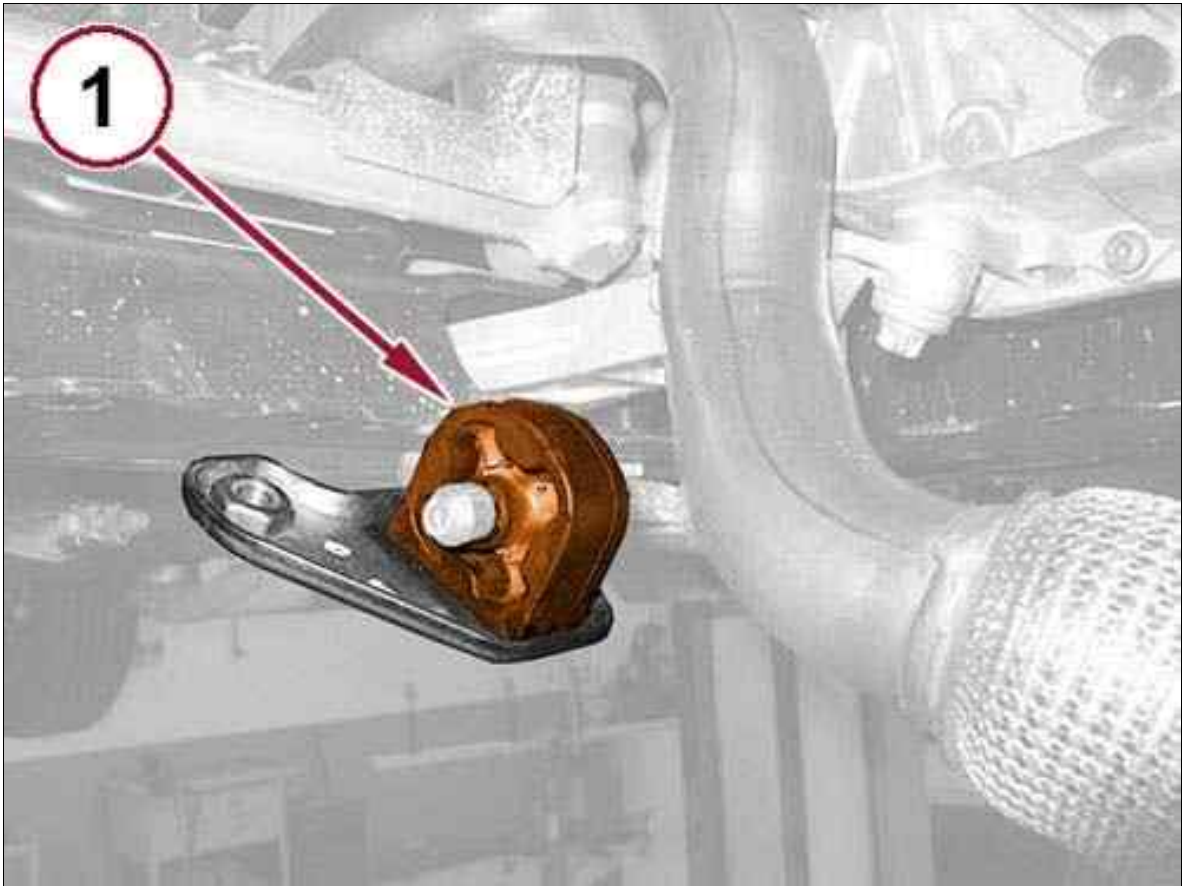
Fig 3: Hydraulic Lift



Courtesy of CHRYSLER GROUP, LLC

12. Place a suitable hydraulic lift (1) under the exhaust pipe.

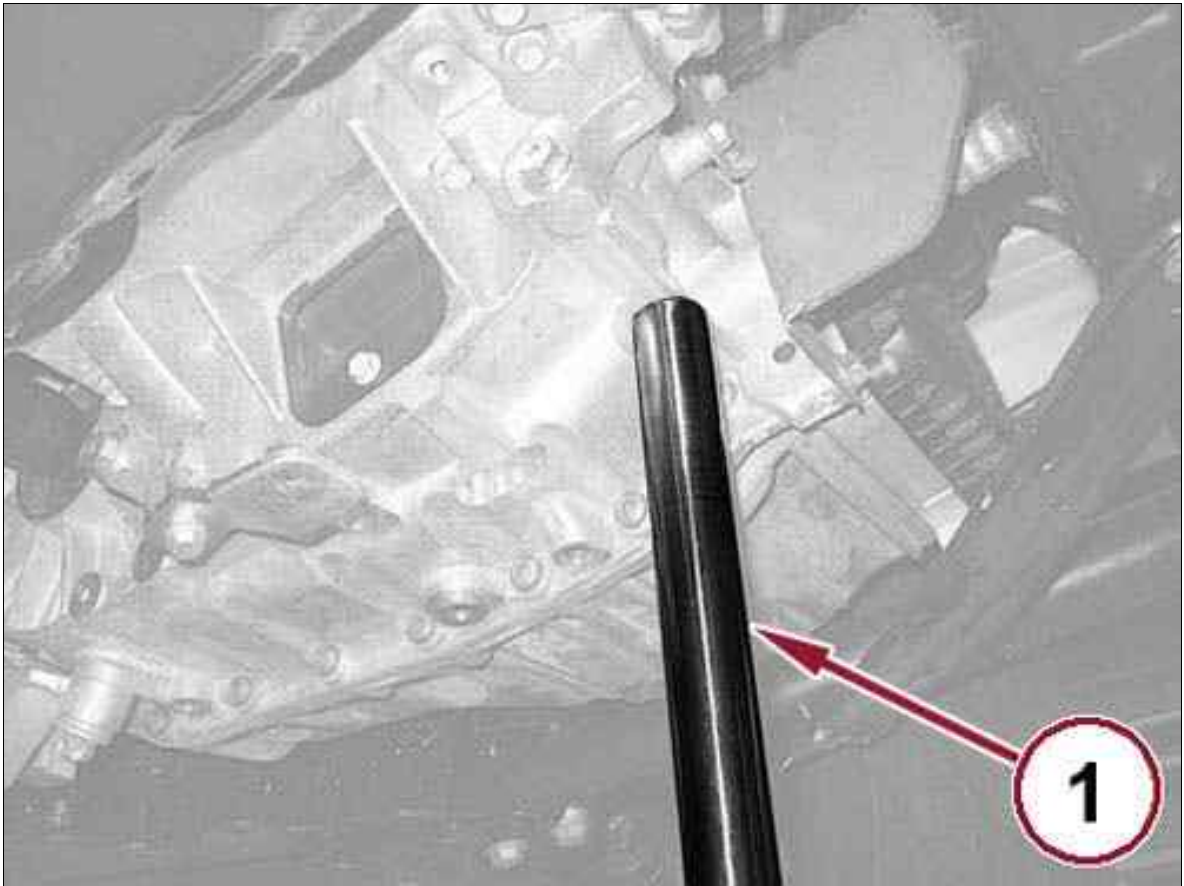
Fig 4: Isolators



Courtesy of CHRYSLER GROUP, LLC

13. Unhook and remove the two isolators (1) that support the front exhaust pipe.

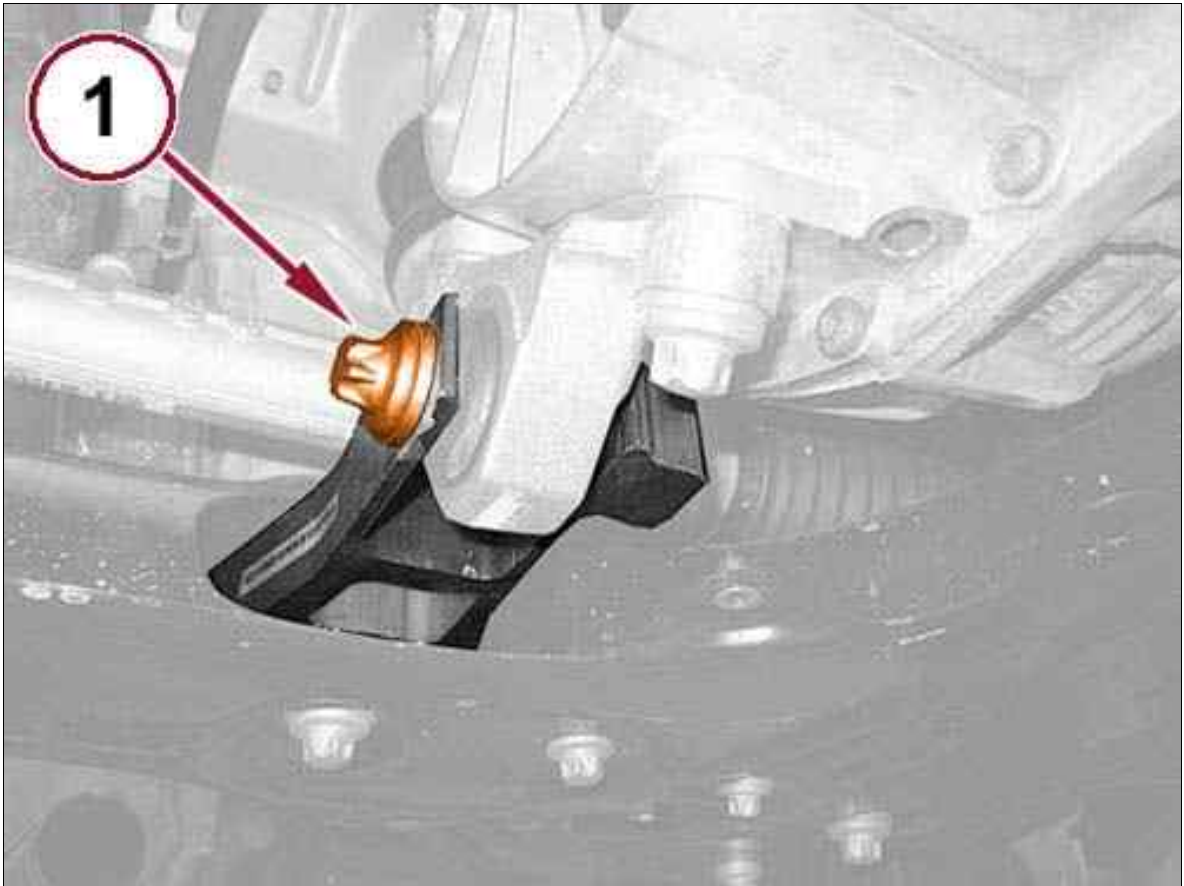
Fig 5: Hydraulic Lift



Courtesy of CHRYSLER GROUP, LLC

14. Place a suitable hydraulic lift (1) under the transmission as shown in the illustration.

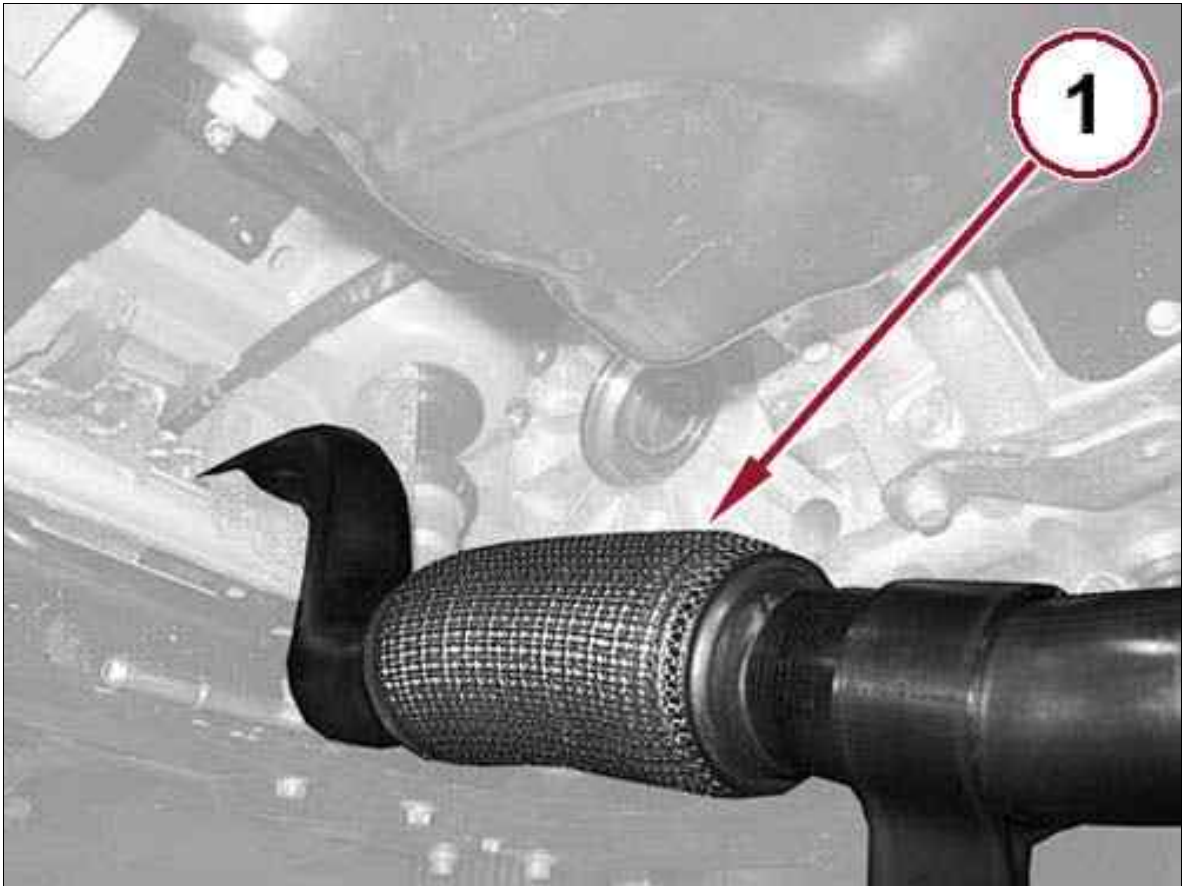
Fig 6: Rear Engine Mount Isolator To Bracket Bolt



Courtesy of CHRYSLER GROUP, LLC

15. Remove the rear engine mount isolator to bracket bolt (1).
16. Turn the hydraulic lift control to move the powertrain from the crossmember of the suspension.

Fig 7: Exhaust Pipe



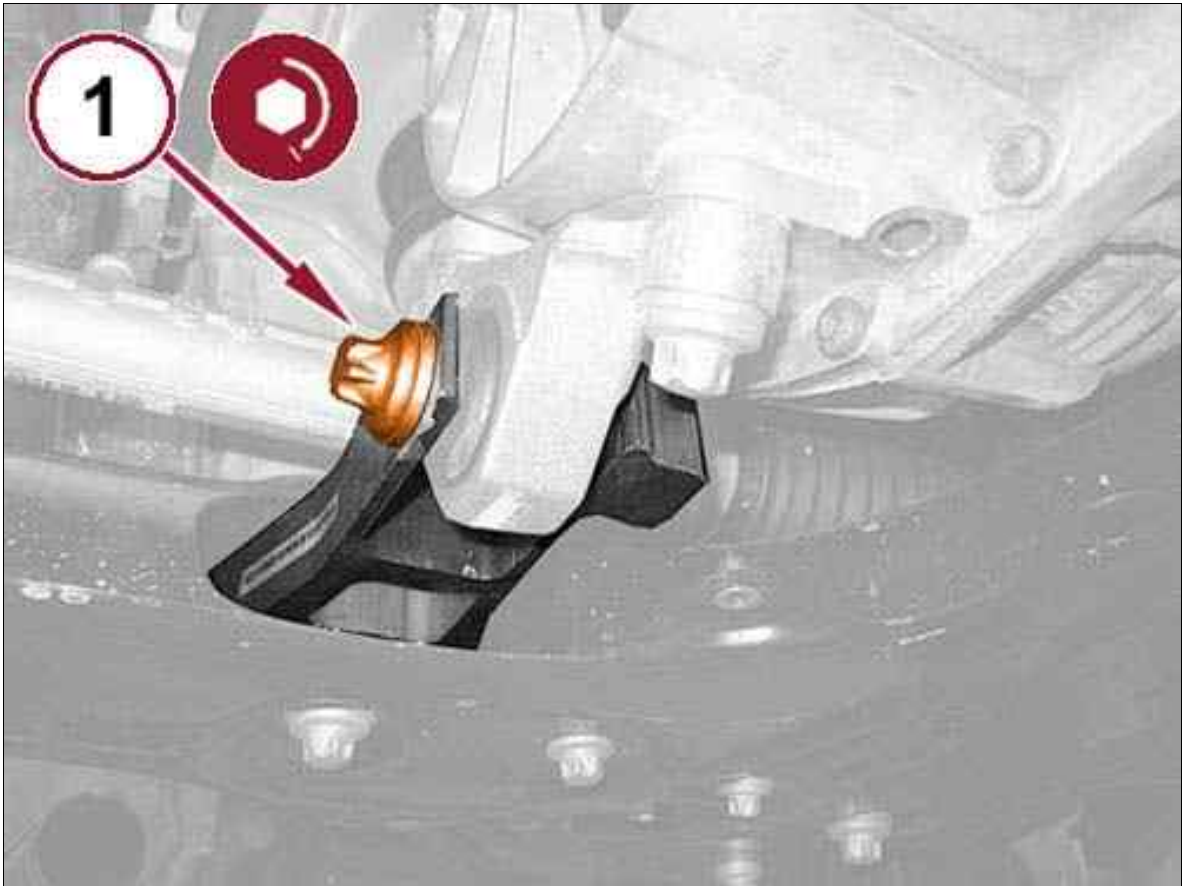
Courtesy of CHRYSLER GROUP, LLC

17. Remove the exhaust pipe (1) with intermediate flexible portion from the front exhaust silencer.

PIPE, EXHAUST > REMOVAL AND INSTALLATION > 2.4L > INSTALLATION

1. Put in place the exhaust pipe with intermediate flexible portion and connect it to the exhaust silencer front.
2. Turn the hydraulic lift control to bring the powertrain to crossmember.

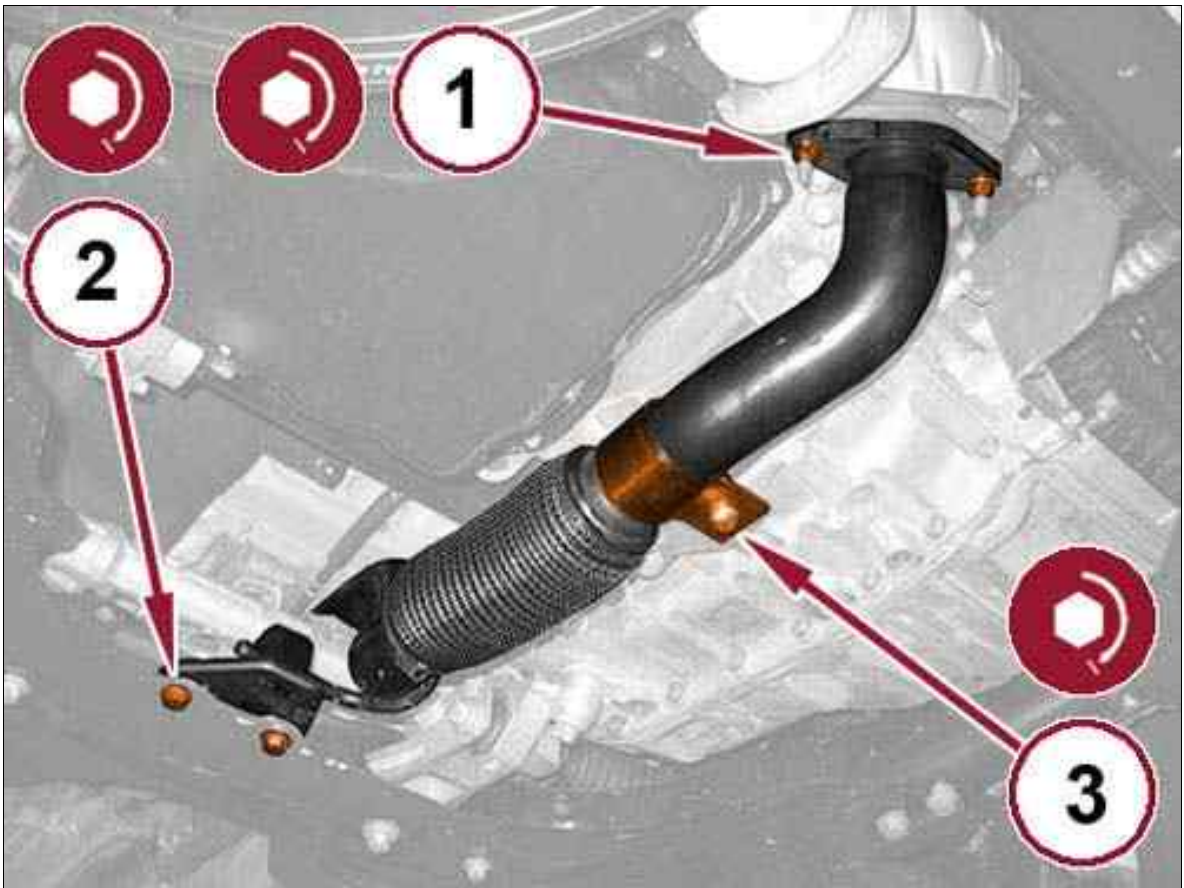
Fig 1: Rear Engine Mount Isolator To Bracket Bolt



Courtesy of CHRYSLER GROUP, LLC

3. Tighten the rear engine mount isolator to bracket bolt (1) to the proper torque specification.
Refer to SPECIFICATIONS .
4. Remove the hydraulic lift.
5. Engage the two isolators supporting the front exhaust pipe.

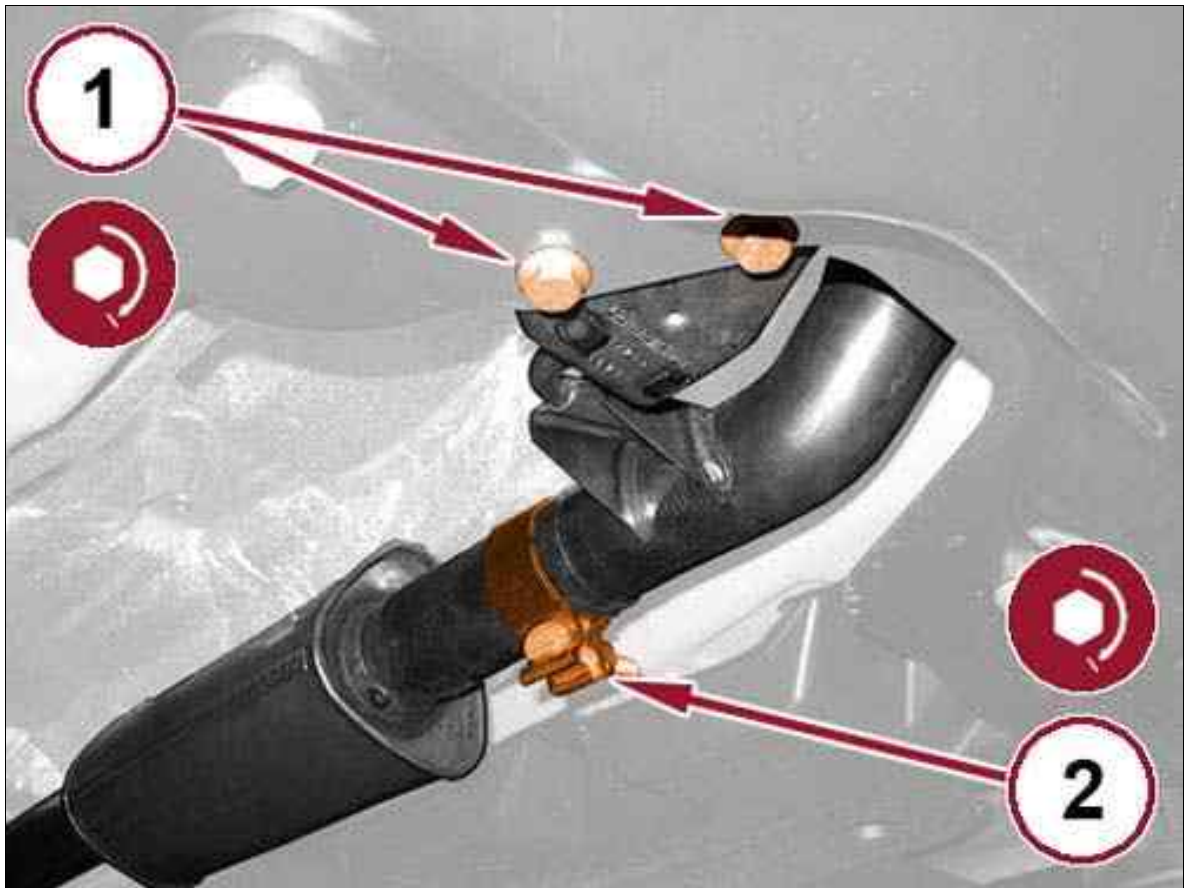
Fig 2: Exhaust Pipe Mounting Screws, Nuts & Clamp



Courtesy of CHRYSLER GROUP, LLC

6. Connect the exhaust pipe to the catalytic converter, complete with new gasket and tighten the new nuts (1) to the proper torque specification. Refer to SPECIFICATIONS .
7. Tighten the fastening screws (2) of the support bracket to front exhaust pipe to the proper torque specification. Refer to SPECIFICATIONS .
8. Tighten the exhaust pipe support bracket screw to the proper torque specification. Refer to SPECIFICATIONS .

Fig 3: Fastening Screws, Nut & Clamp



Courtesy of CHRYSLER GROUP, LLC

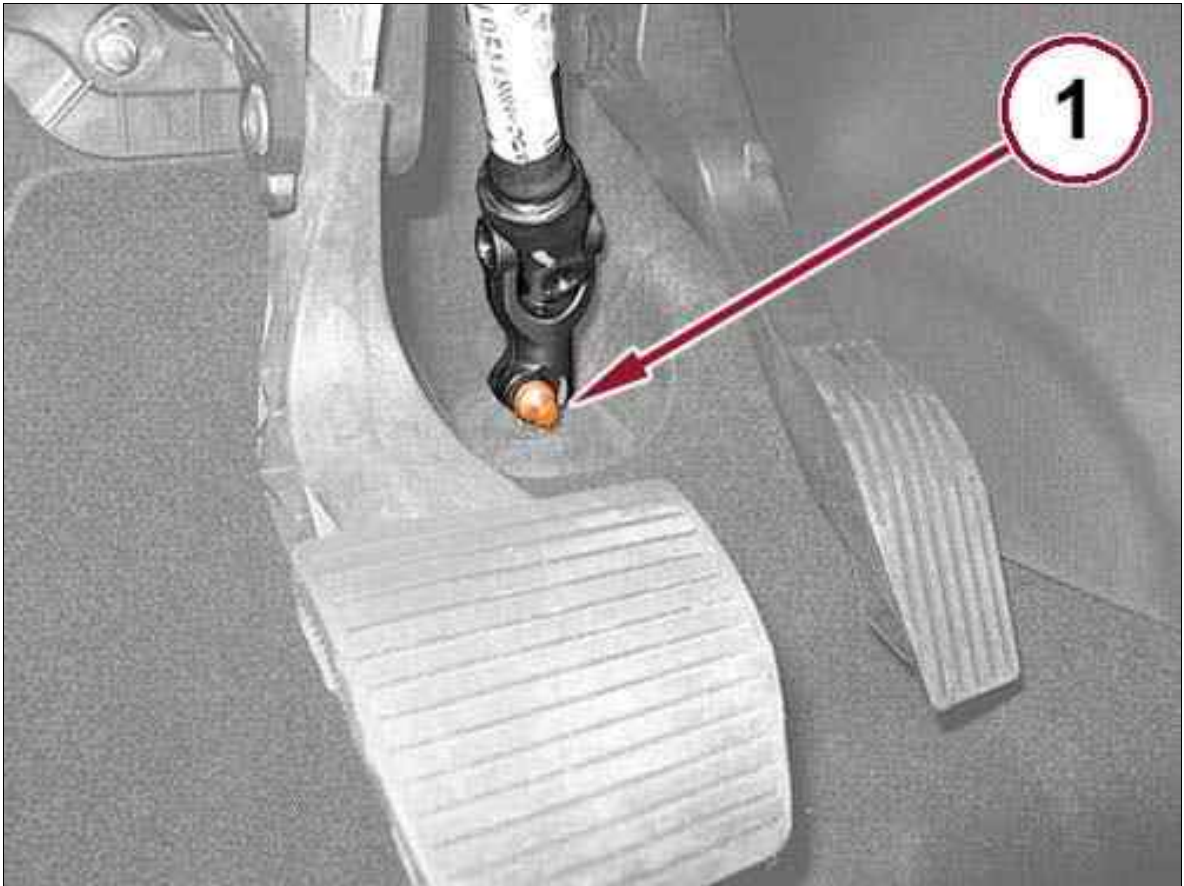
9. Tighten the fastening screws (1) of the rear bracket supporting the exhaust pipe to the proper torque specification. Refer to SPECIFICATIONS .
10. Tighten the nut (2) to clamp connecting the pipes.
11. Remove the hydraulic lift under the exhaust pipe.
12. Install the right half shaft. Refer to REMOVAL AND INSTALLATION for front half shaft or REMOVAL AND INSTALLATION for rear half shaft.
13. Install the right front splash shield. Refer to SHIELD, SPLASH, FRONT WHEELHOUSE, REMOVAL AND INSTALLATION .
14. Install the right front wheel. Refer to REMOVAL AND INSTALLATION .
15. Install the engine belly pan. Refer to BELLY PAN, REMOVAL AND INSTALLATION or BELLY PAN, SIDE, REMOVAL AND INSTALLATION .
16. Remove the vehicle from the lift.

PIPE, EXHAUST > REMOVAL AND INSTALLATION > 2.4L 4X4 > REMOVAL

1. Raise and support the vehicle. Refer to HOISTING, STANDARD PROCEDURE .

2. Remove the right front wheel. Refer to REMOVAL AND INSTALLATION .
3. Remove the right front splash shield. Refer to SHIELD, SPLASH, FRONT WHEELHOUSE, REMOVAL AND INSTALLATION .
4. Remove the engine belly pan. Refer to BELLY PAN, REMOVAL AND INSTALLATION or BELLY PAN, SIDE, REMOVAL AND INSTALLATION .
5. Remove the right half-shaft. Refer to REMOVAL AND INSTALLATION for front half shaft or REMOVAL AND INSTALLATION for rear half shaft.

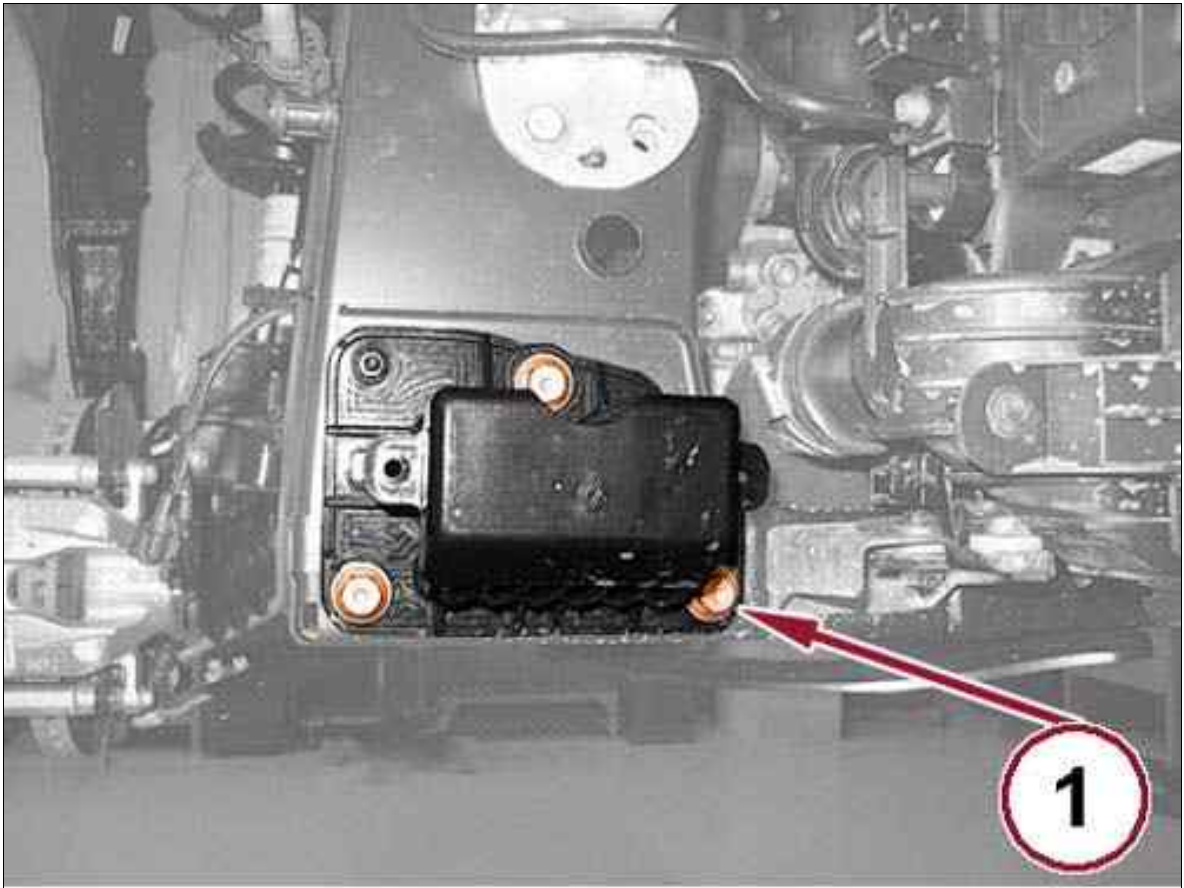
Fig 1: Steering Column To Pinion Steering Box Screw



Courtesy of CHRYSLER GROUP, LLC

6. Unscrew the screw (1) securing the steering column to the pinion steering box.

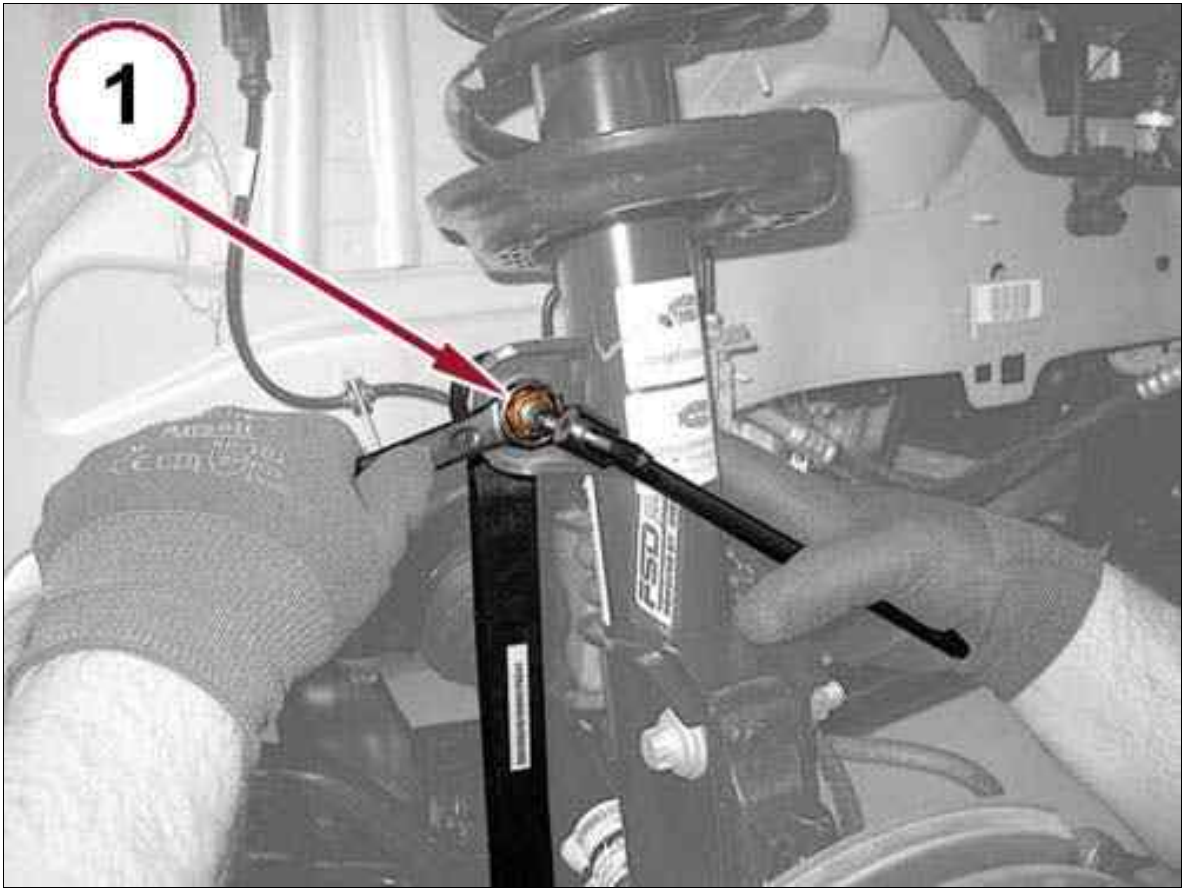
Fig 2: Lower Load Beam Extension & Screws



Courtesy of CHRYSLER GROUP, LLC

7. Remove the screws (1) securing the lower load beam extension right at the front end.
8. Loosen the bolts and remove the reinforcement of front-end.
9. Loosen the bolts and remove the right strut.
10. On the left side, do the same for the removal of the reinforcement of the front-end and the strut.

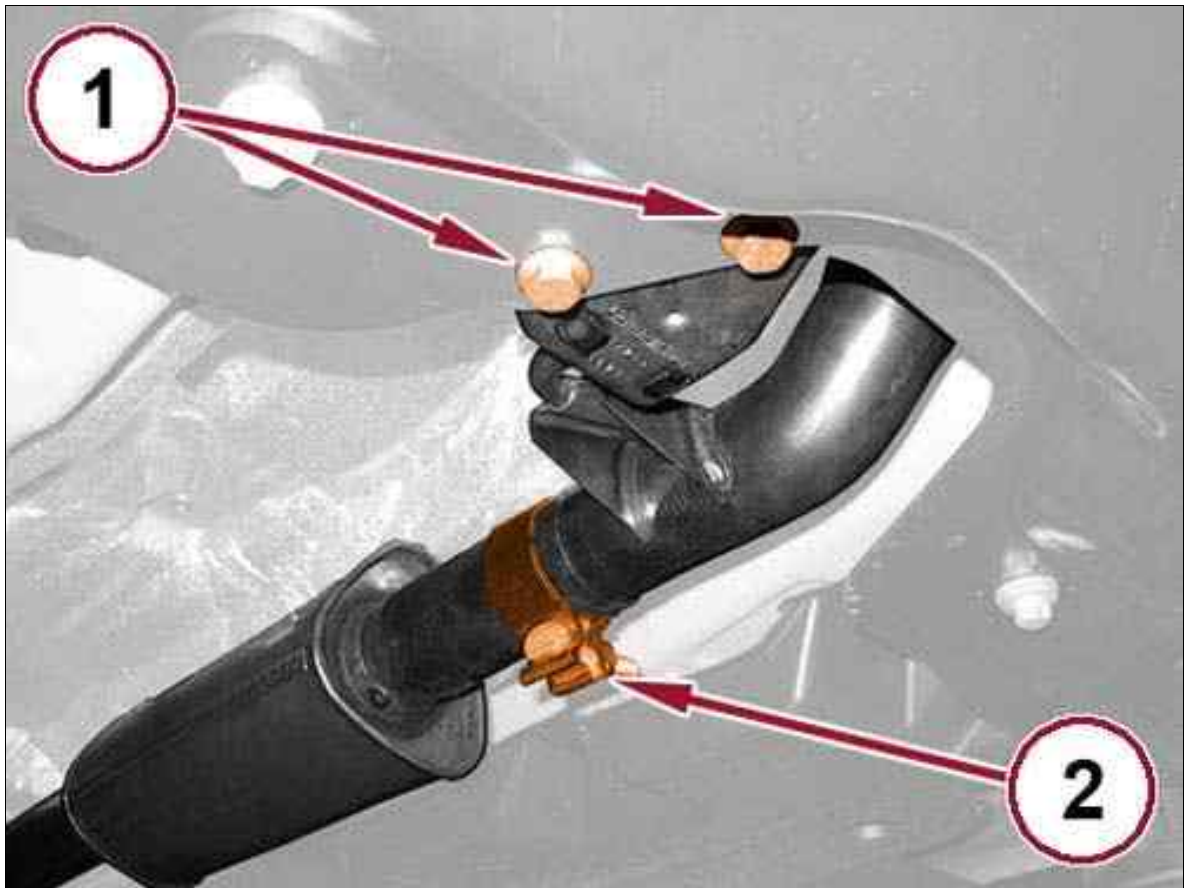
Fig 3: Right Stabilizer Bar Link Nut



Courtesy of CHRYSLER GROUP, LLC

11. Holding the stem of the link, loosen the fixing nut (1) from right stabilizer bar link and disconnect it from the shock.
12. On the left side, proceed similarly to disconnect the joint stabilizer bar.

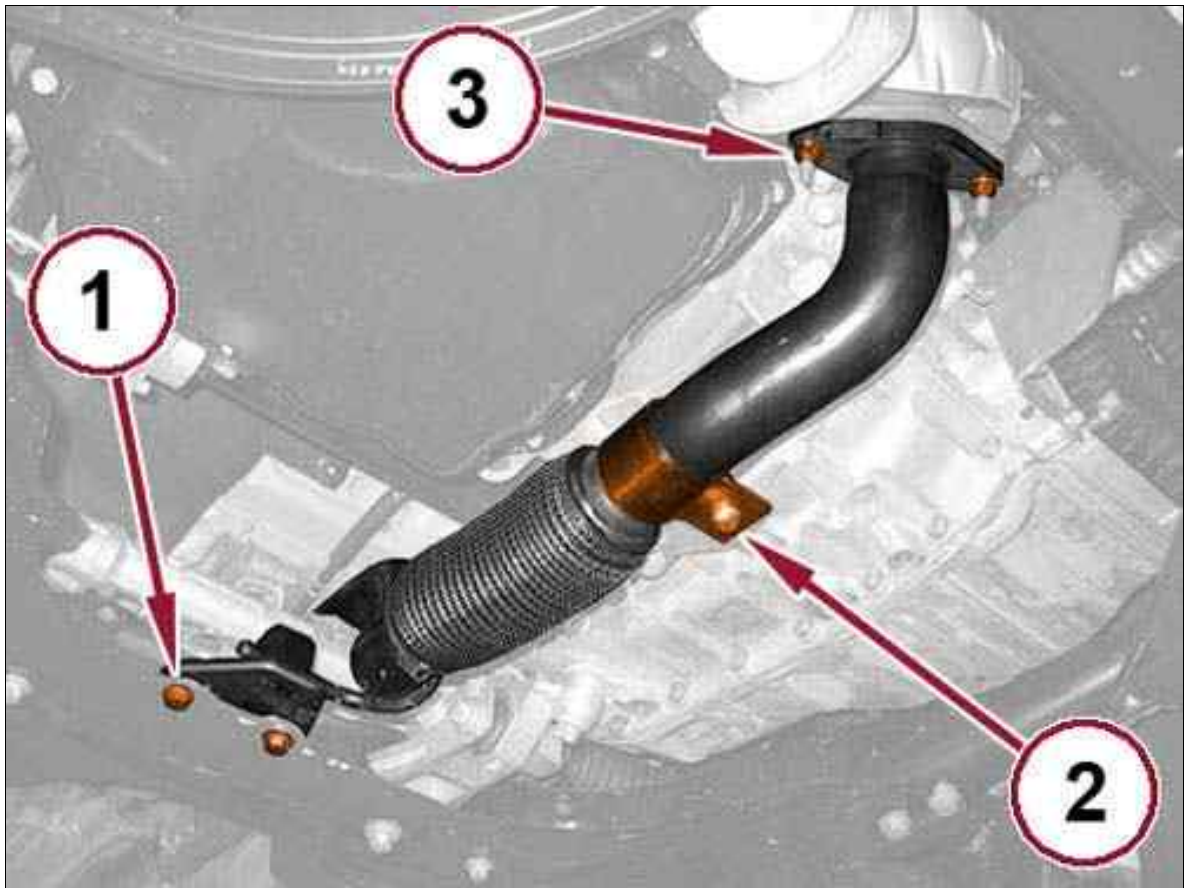
Fig 4: Exhaust Pipe Screws & Nut



Courtesy of CHRYSLER GROUP, LLC

13. Remove the screws (1) securing the rear bracket to support the exhaust pipe.
14. Unscrew the nut (2) and loosen the clamp connecting the pipes.

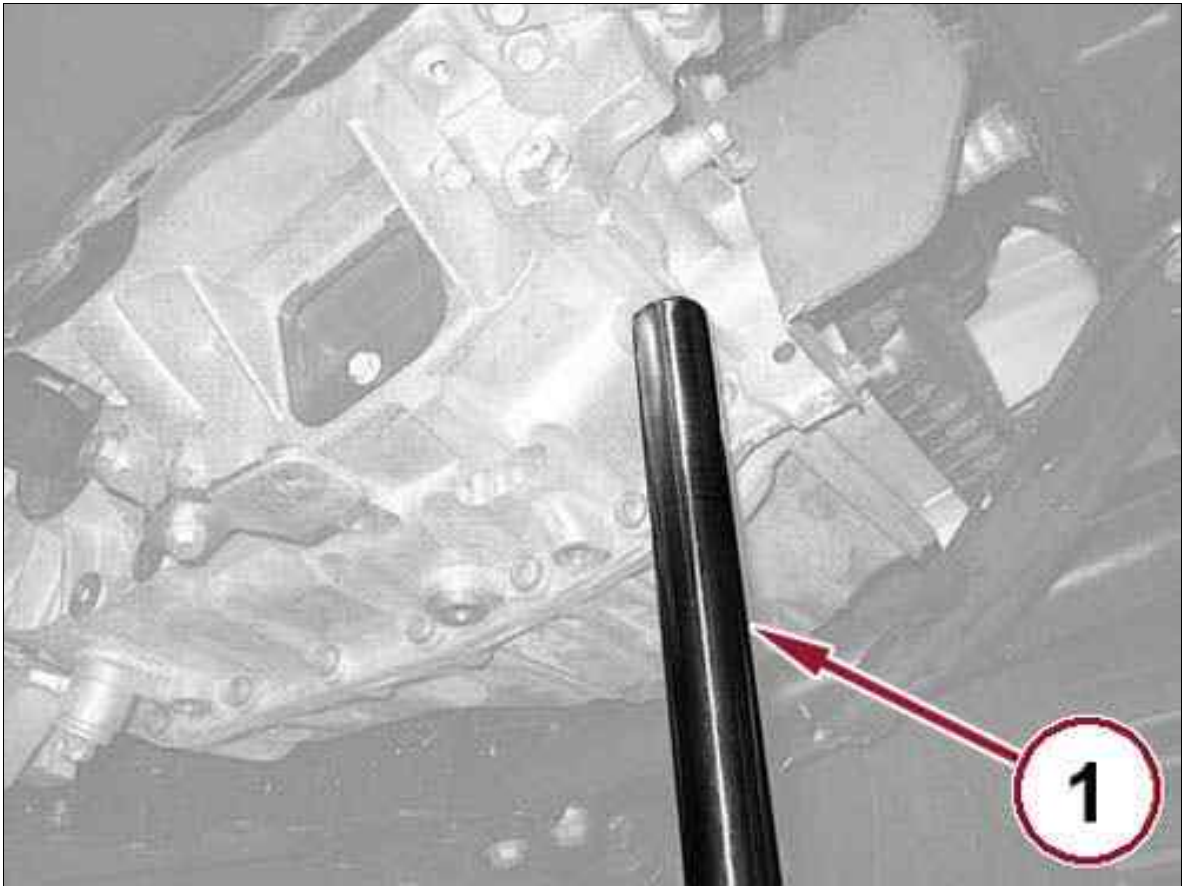
Fig 5: Exhaust Pipe Screws, Clamp & Nuts



Courtesy of CHRYSLER GROUP, LLC

15. Unscrew the fixing screws (1) of the front bracket supporting the exhaust pipe.
16. Unscrew the screw clamp (2) to support the of exhaust pipe to the bracket on the engine.
17. Unscrew the nuts (3) and disengage the exhaust pipe from the catalytic converter.
18. Remove the gasket.

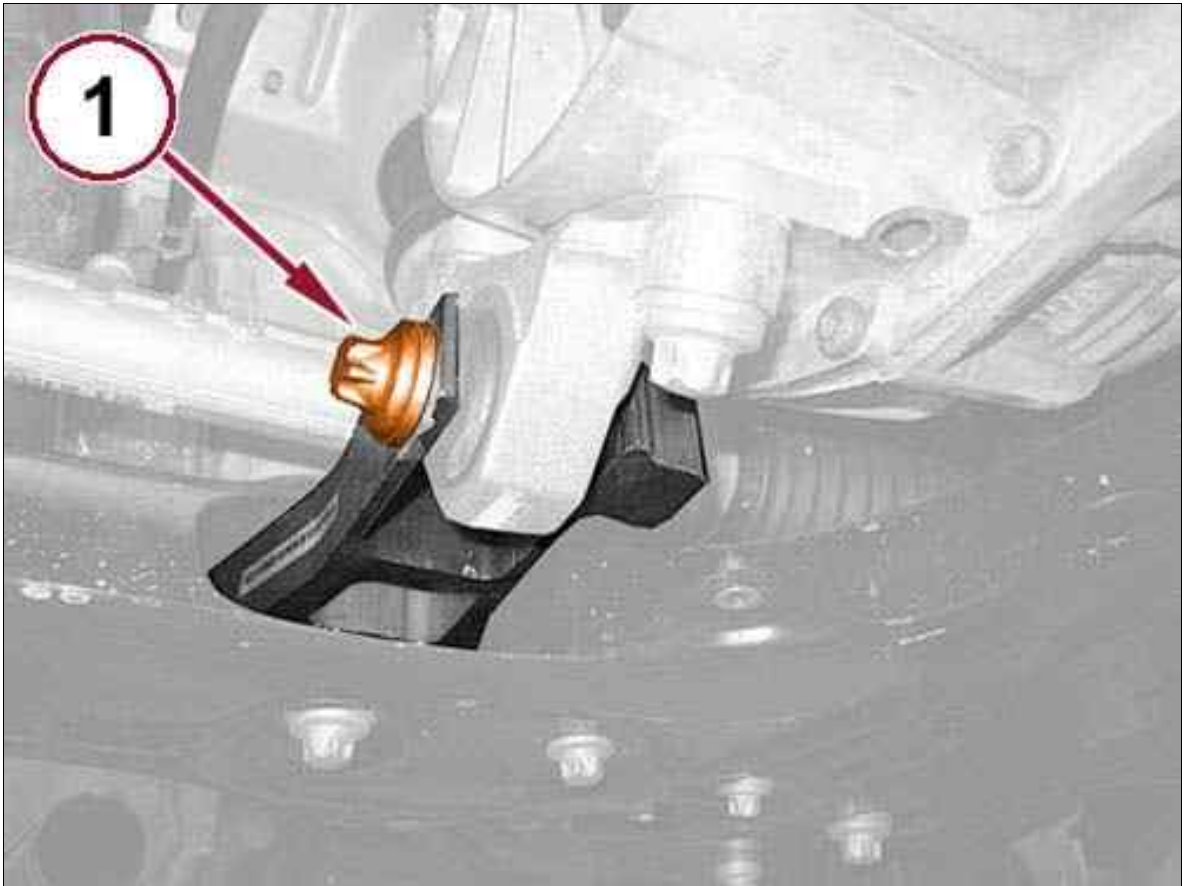
Fig 6: Hydraulic Lift



Courtesy of CHRYSLER GROUP, LLC

19. Place a suitable hydraulic lift (1) under the transmission as shown in the figure.

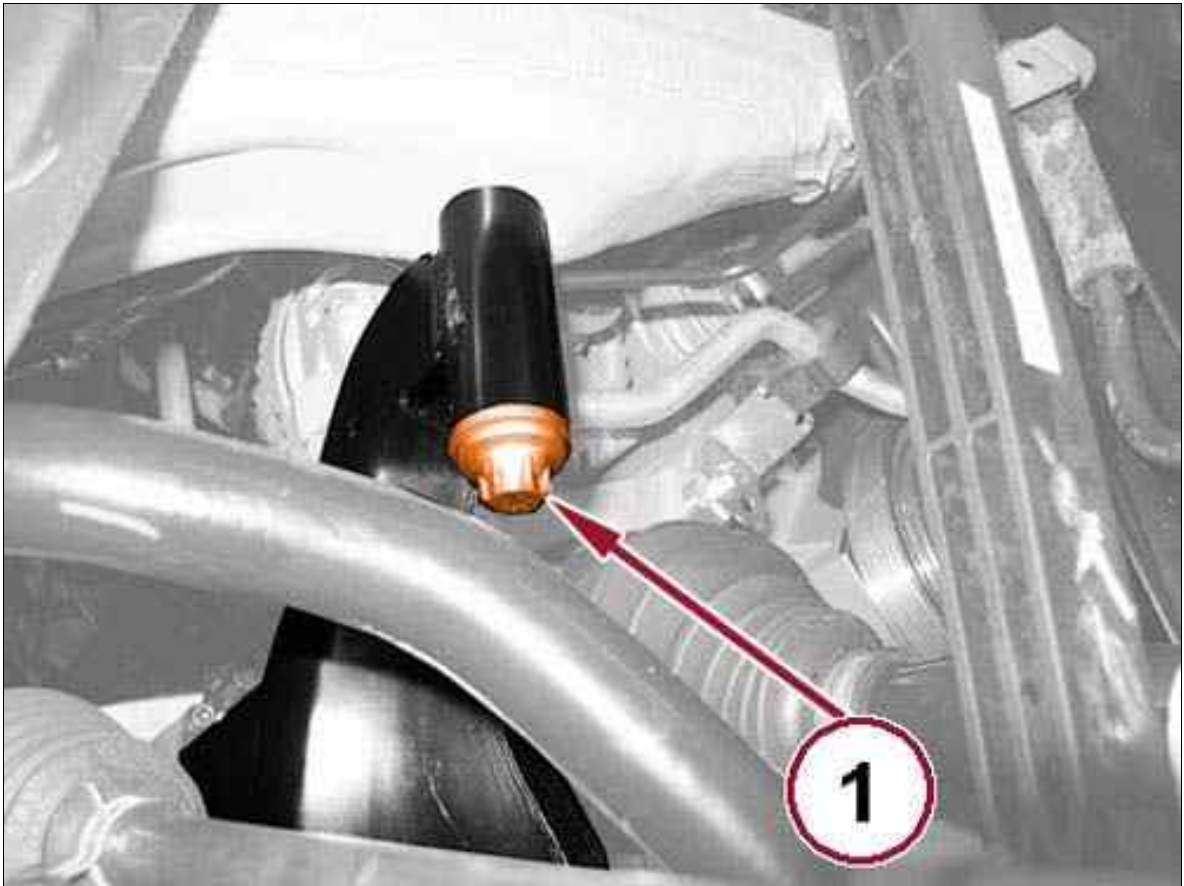
Fig 7: Rear Engine Mount Isolator To Bracket Bolt



Courtesy of CHRYSLER GROUP, LLC

20. Remove the rear engine mount isolator to bracket bolt (1).
21. Place a suitable hydraulic lift under the crossmember of the suspension.
22. Remove the bolts securing the rear of the suspension crossmember to the body.

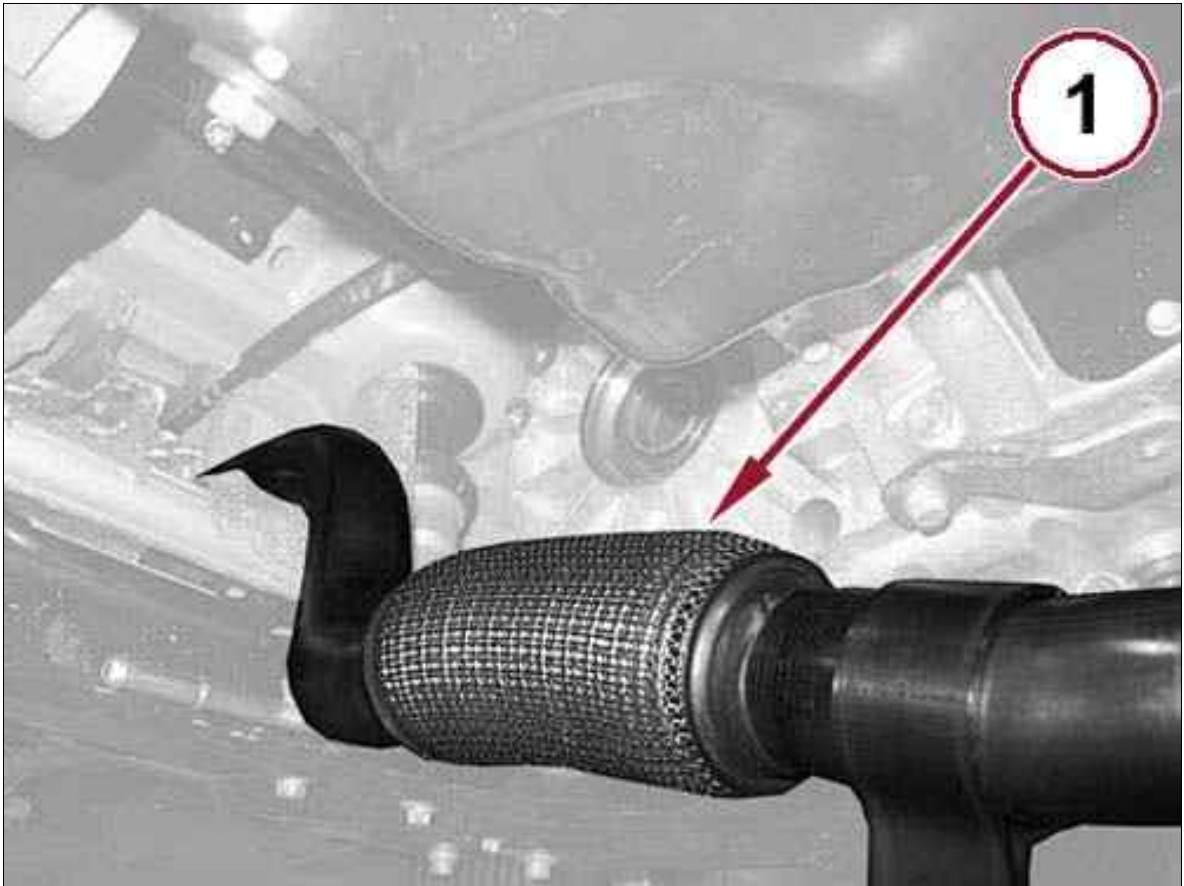
Fig 8: Suspension Crossmember To Side Panel Screws



Courtesy of CHRYSLER GROUP, LLC

23. Remove the screws (1) fastening the suspension crossmember to the left and right side panels.

Fig 9: Exhaust Pipe



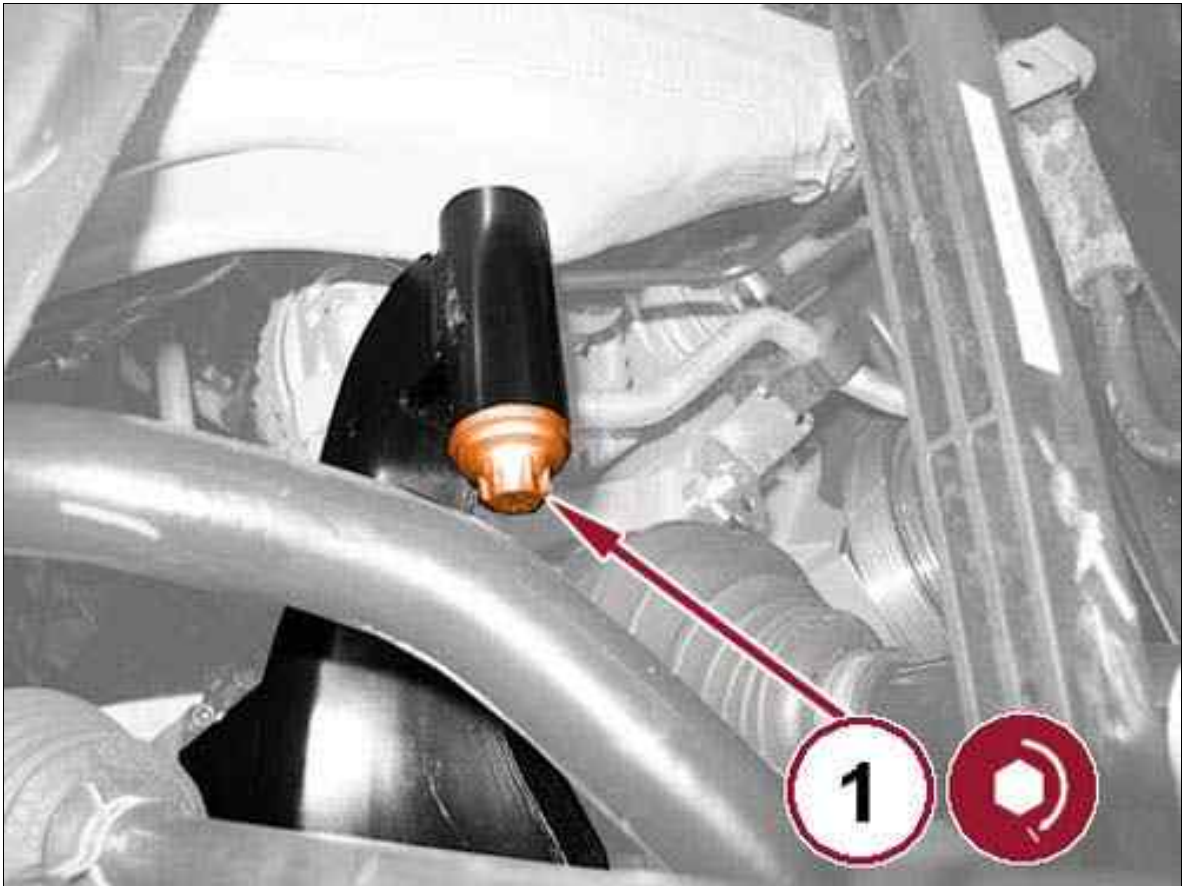
Courtesy of CHRYSLER GROUP, LLC

24. Turn the hydraulic lift control to lower the crossmember and remove the exhaust pipe (1) with intermediate flexible portion from the front exhaust silencer.

PIPE, EXHAUST > REMOVAL AND INSTALLATION > 2.4L 4X4 > INSTALLATION

1. Put in place the exhaust pipe with intermediate flexible portion and connect it to the exhaust silencer front.

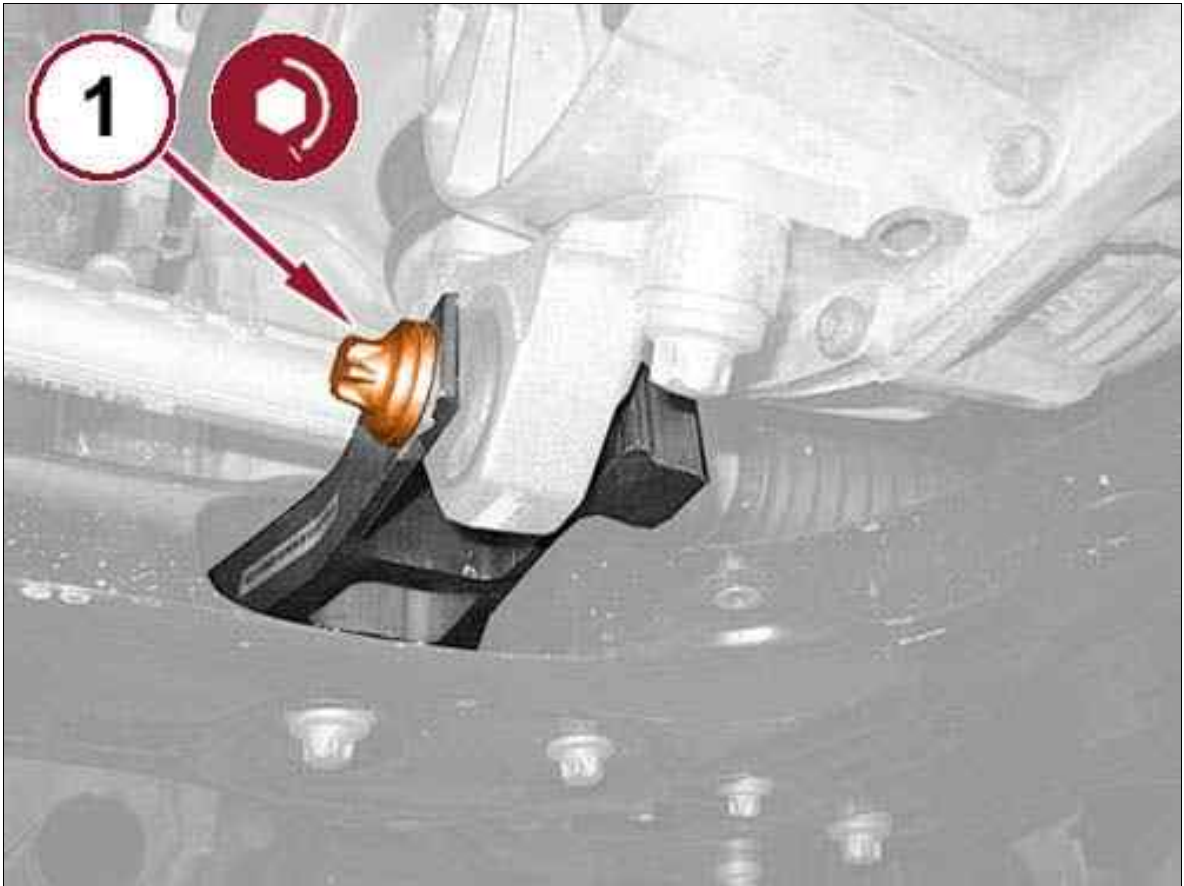
Fig 1: Side Panel Mounting Screws



Courtesy of CHRYSLER GROUP, LLC

2. Using a hydraulic lift put into place the crossmember of the suspension and tighten the left and right side panel mounting screws (1) to the proper torque specification. Refer to SPECIFICATIONS .
3. Tighten the screws securing the rear of the suspension crossmember to the proper torque specification. Refer to SPECIFICATIONS .
4. Remove the hydraulic lift.

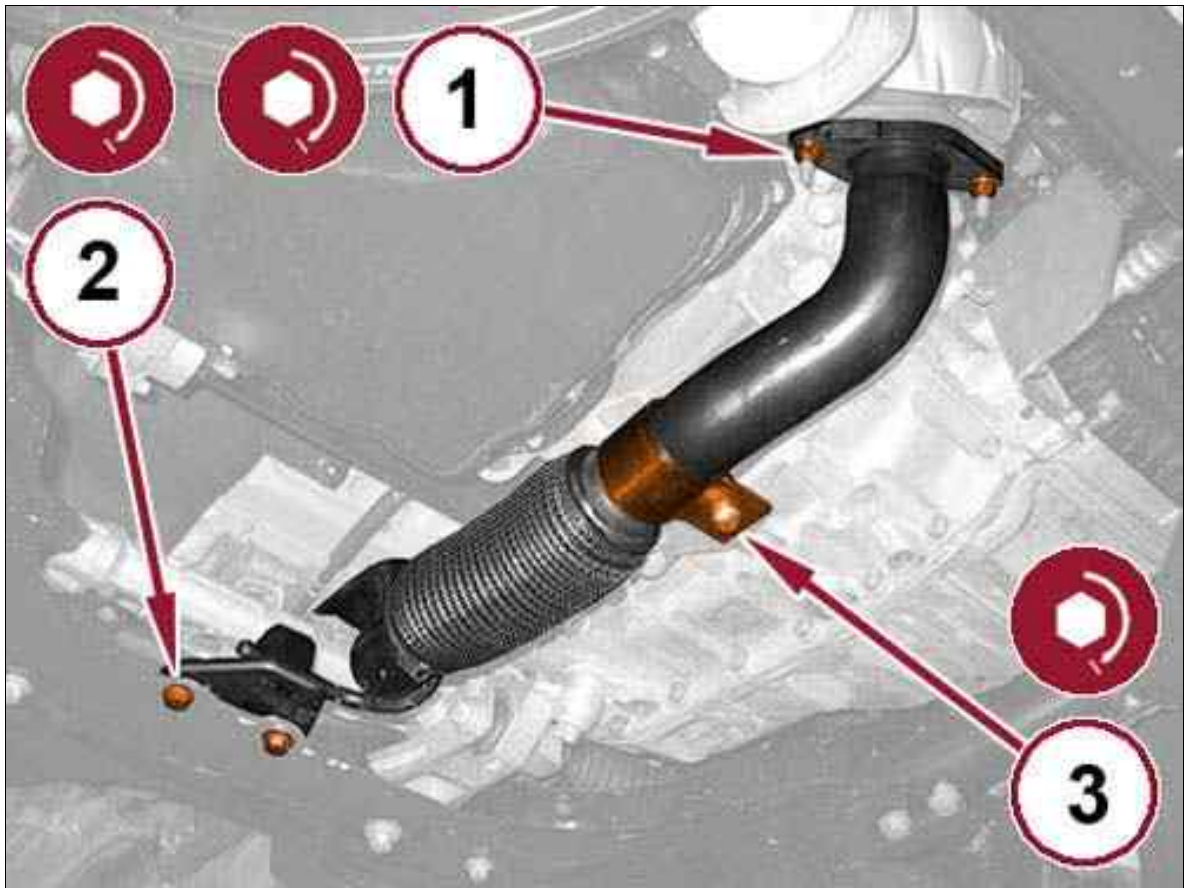
Fig 2: Rear Engine Mount Isolator To Bracket Bolt



Courtesy of CHRYSLER GROUP, LLC

5. Tighten the rear engine mount isolator to bracket bolt (1) to the proper torque specification.
Refer to SPECIFICATIONS .
6. Remove the hydraulic lift.

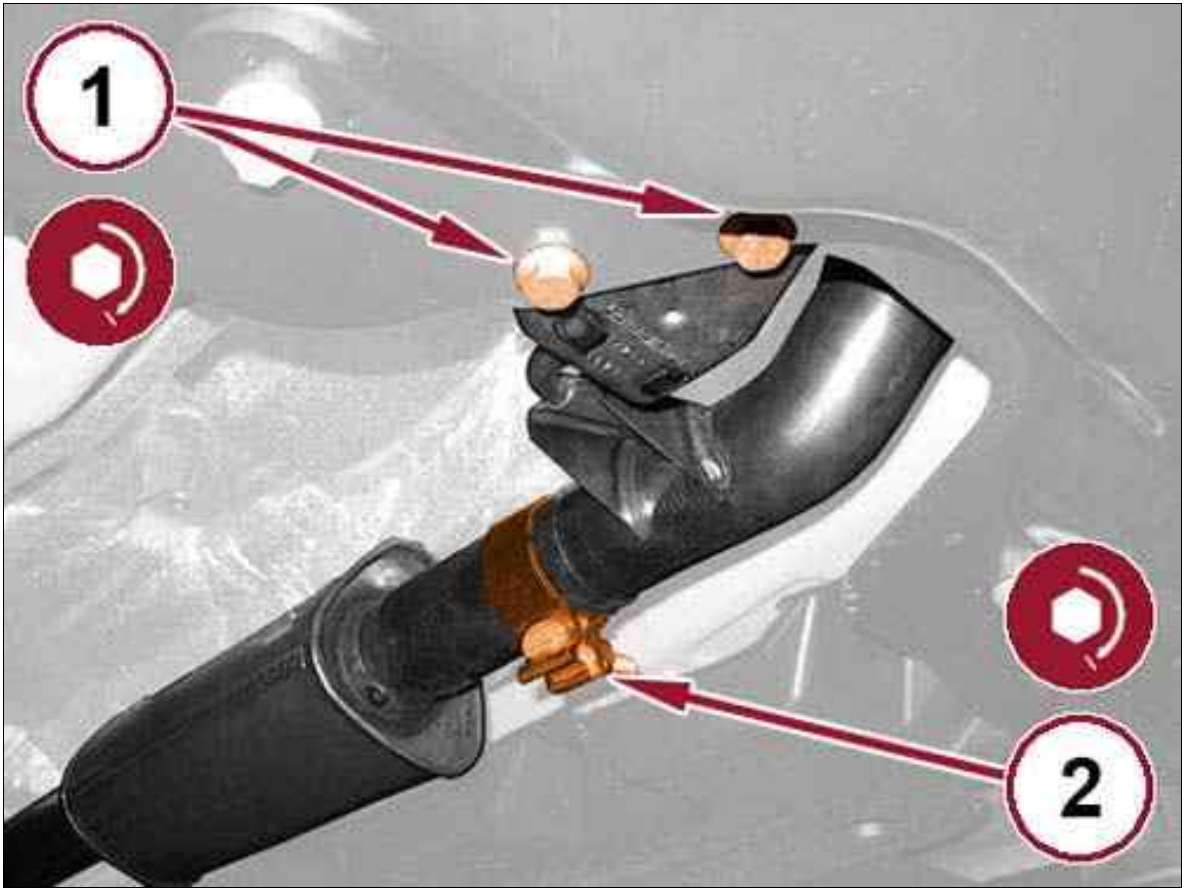
Fig 3: Exhaust Pipe Mounting Screws, Nuts & Clamp



Courtesy of CHRYSLER GROUP, LLC

7. Connect the exhaust pipe to the catalytic converter, complete with new gasket and tighten the new nuts (1) to the proper torque specification. Refer to SPECIFICATIONS .
8. Tighten the fastening screws (2) of the support bracket front exhaust pipe to the proper torque specification. Refer to SPECIFICATIONS .
9. Tighten the screw clamp (3) to support the exhaust pipe to the bracket on the engine to the proper torque specification. Refer to SPECIFICATIONS .

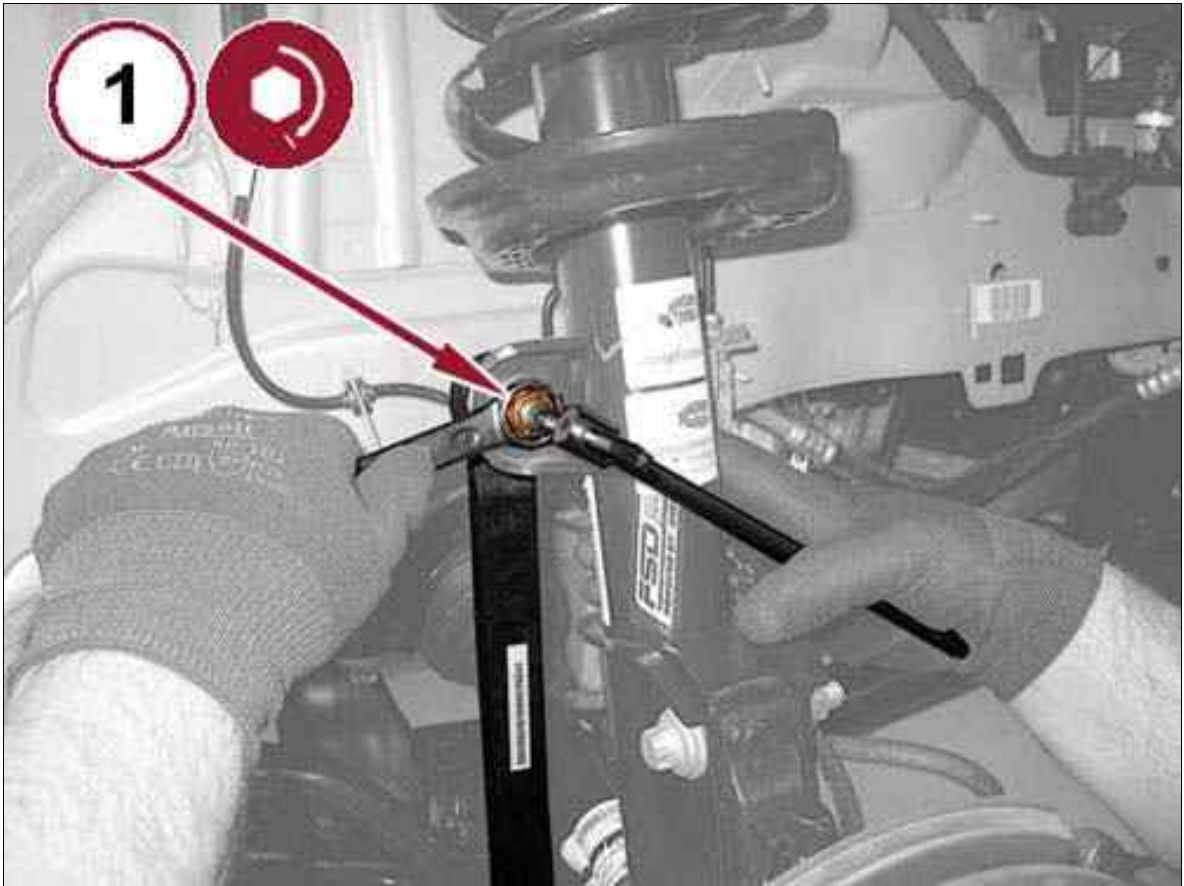
Fig 4: Fastening Screws & Nuts



Courtesy of CHRYSLER GROUP, LLC

10. Tighten the fastening screws (1) of the rear bracket supporting the exhaust pipe to the proper torque specification. Refer to SPECIFICATIONS .
11. Tighten the nut (2) to clamp connecting pipes to the proper torque specification. Refer to SPECIFICATIONS .

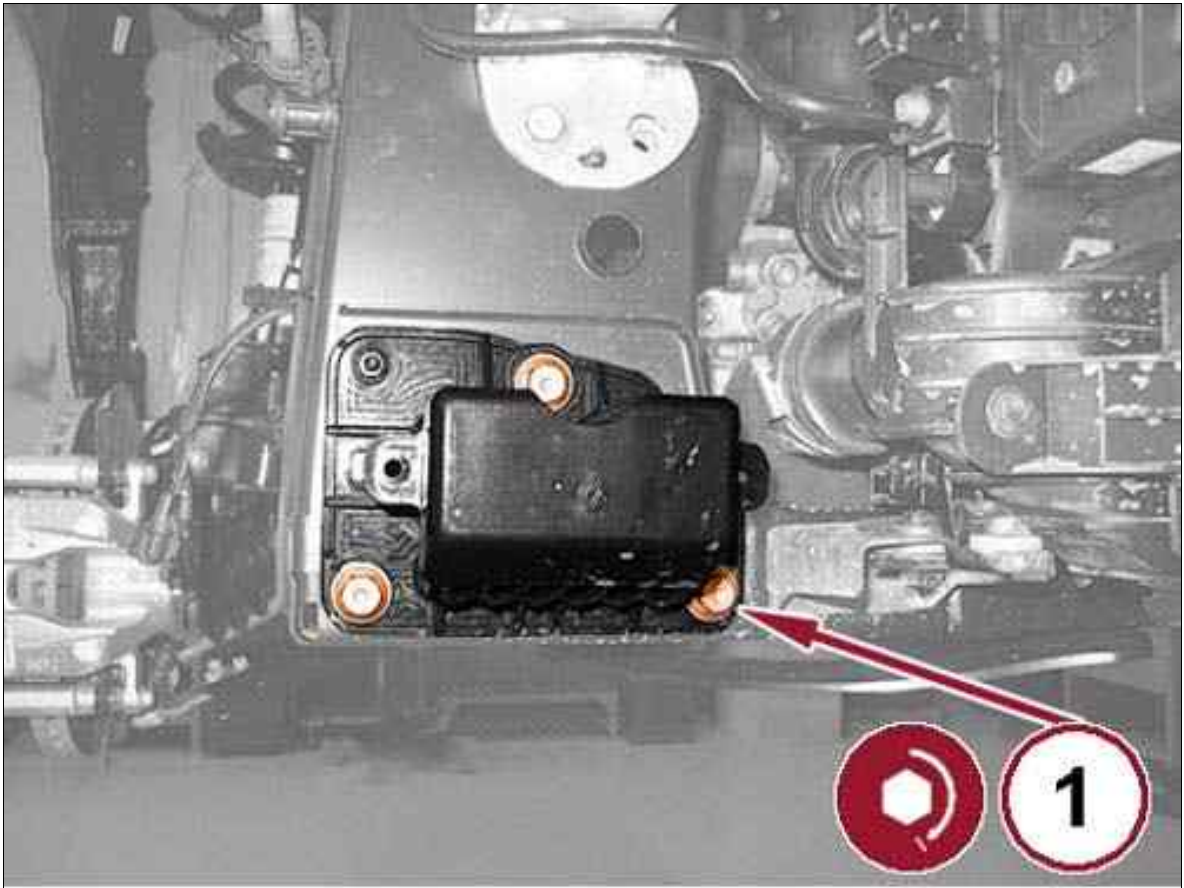
Fig 5: Stabilizer Link To Shock Nut



Courtesy of CHRYSLER GROUP, LLC

12. Connect the right stabilizer link to shock and tighten the nut (1) to the proper torque specification. Refer to FRONT, SPECIFICATIONS .
13. On the left side, do the same to connect the stabilizer bar link.
14. Put into place the right strut and tighten the screws to the proper torque specification. Refer to FRONT, SPECIFICATIONS .
15. Install the reinforcement of the front-end and tighten the screws to the proper torque specification. Refer to FRONT, SPECIFICATIONS .

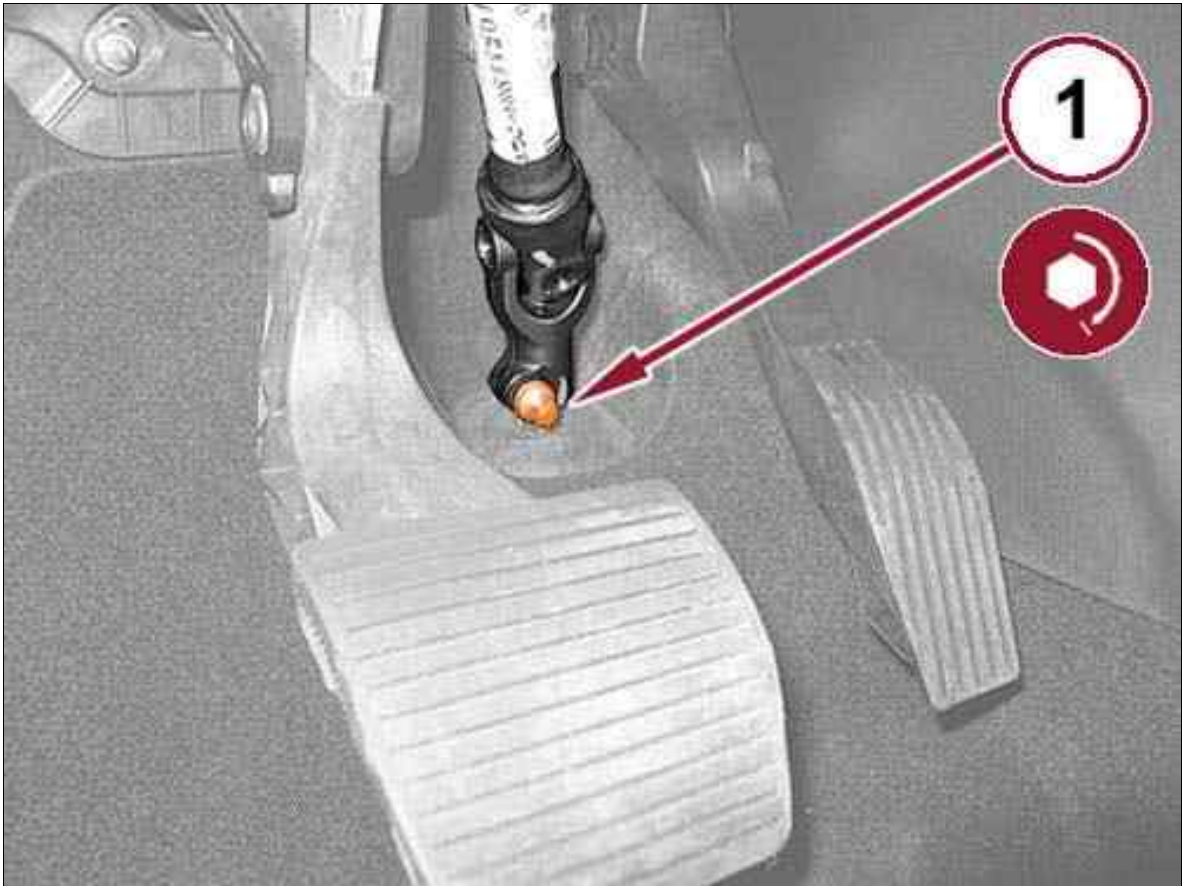
Fig 6: Load Beam Extension Mounting Screws



Courtesy of CHRYSLER GROUP, LLC

16. Tighten the right load beam extension mounting screws (1) at the front end to the proper torque specification. Refer to FRONT, SPECIFICATIONS .
17. On the left side, proceed similarly for the reattachment of the load beam extension.

Fig 7: Steering Column To Pinion Steering Box Screw



Courtesy of CHRYSLER GROUP, LLC

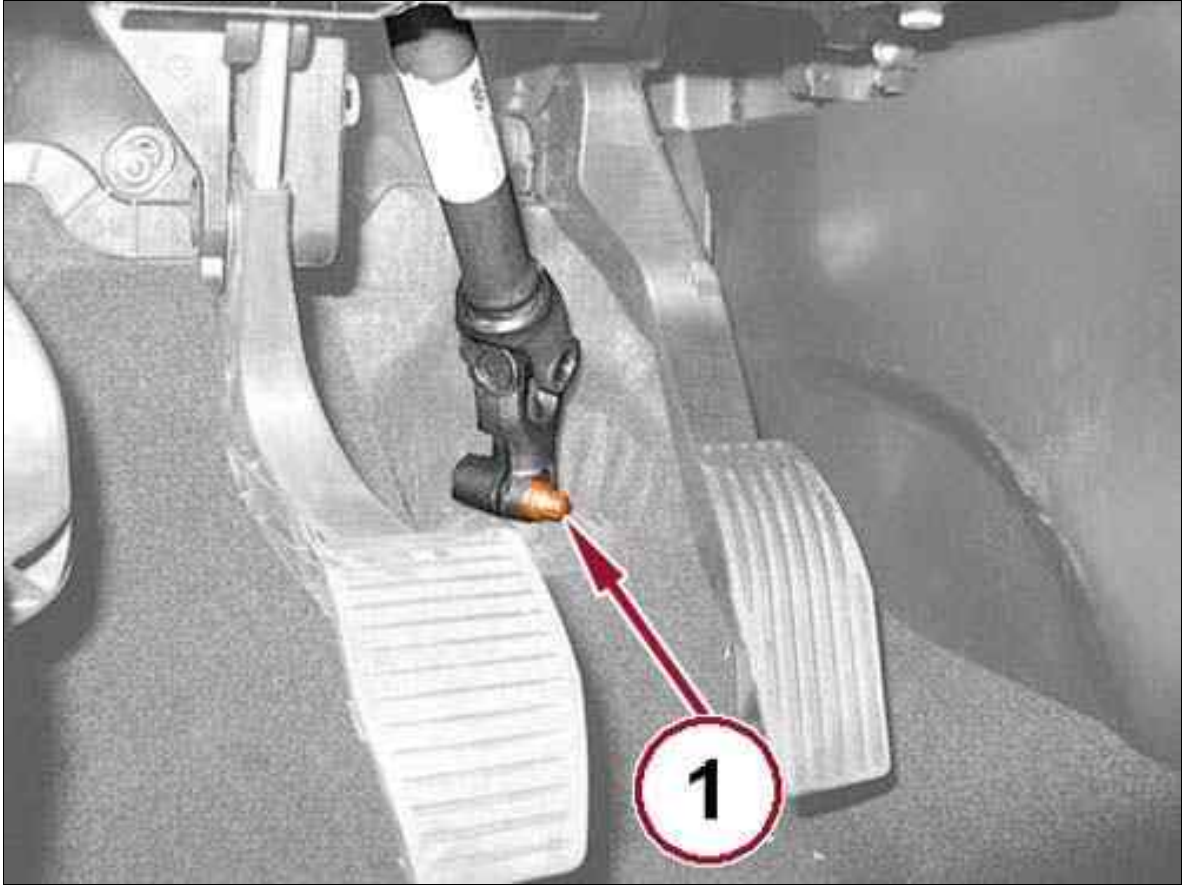
18. Tighten the new screw (1) steering column to the pinion steering box to the proper torque specification. Refer to TORQUE SPECIFICATIONS .
19. Install the right half shaft. Refer to REMOVAL AND INSTALLATION for front half shaft or REMOVAL AND INSTALLATION for rear half shaft.
20. Install the engine belly pan. Refer to BELLY PAN, REMOVAL AND INSTALLATION or BELLY PAN, SIDE, REMOVAL AND INSTALLATION .
21. Install the right front splash shield. Refer to SHIELD, SPLASH, FRONT WHEELHOUSE, REMOVAL AND INSTALLATION .
22. Install the right front wheel. Refer to REMOVAL AND INSTALLATION .
23. Remove the vehicle from the lift.

PIPE, EXHAUST > REMOVAL AND INSTALLATION > 1.6L DIESEL > REMOVAL

1. Raise and support the vehicle. Refer to HOISTING, STANDARD PROCEDURE .
2. Remove engine belly pan. Refer to BELLY PAN, REMOVAL AND INSTALLATION or BELLY PAN, SIDE, REMOVAL AND INSTALLATION .

3. Remove the front fascia. Refer to FASCIA, FRONT, REMOVAL AND INSTALLATION .

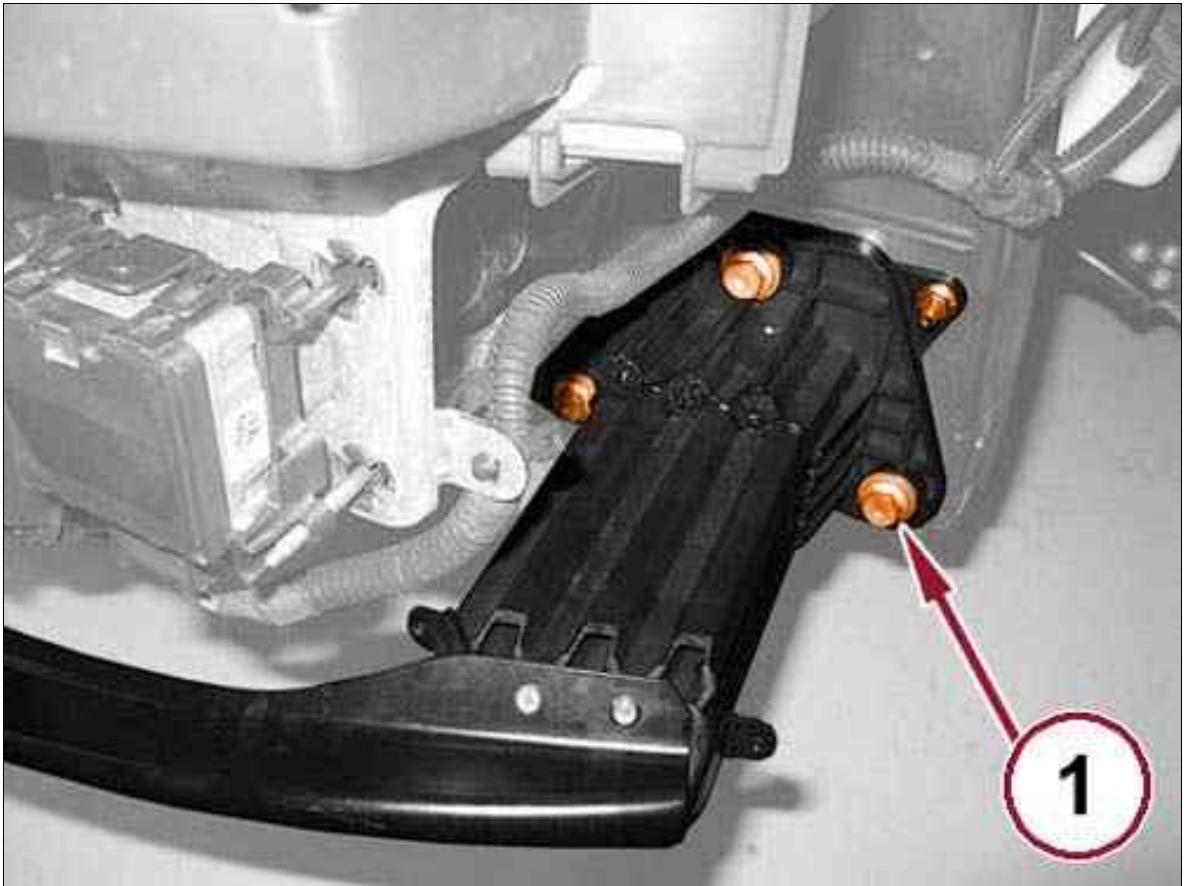
Fig 1: Steering Column To Pinion Steering Box Screw



Courtesy of CHRYSLER GROUP, LLC

4. Unscrew the screw (1) securing the steering column to the pinion steering box.

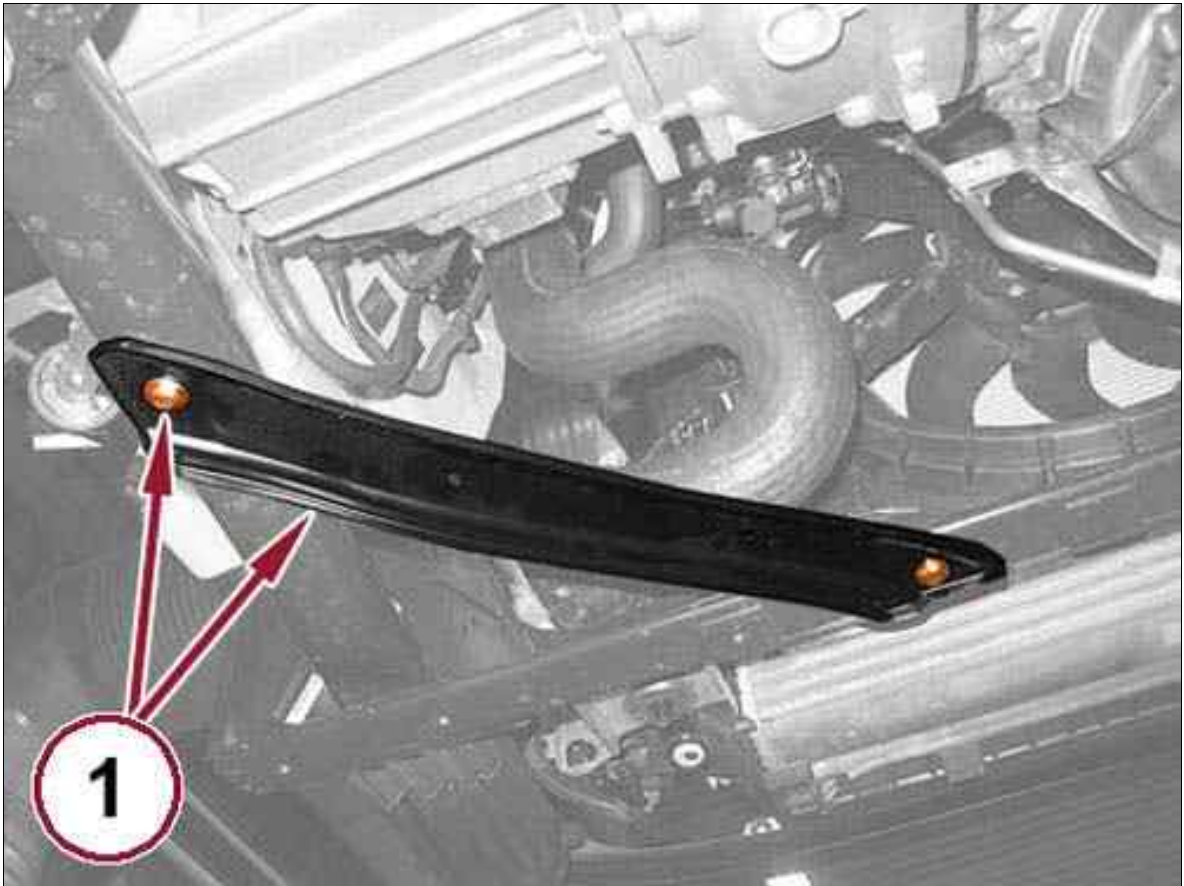
Fig 2: Load Beam Extension Bolts



Courtesy of CHRYSLER GROUP, LLC

5. Unscrew the load beam extension fixing screws, the left side.

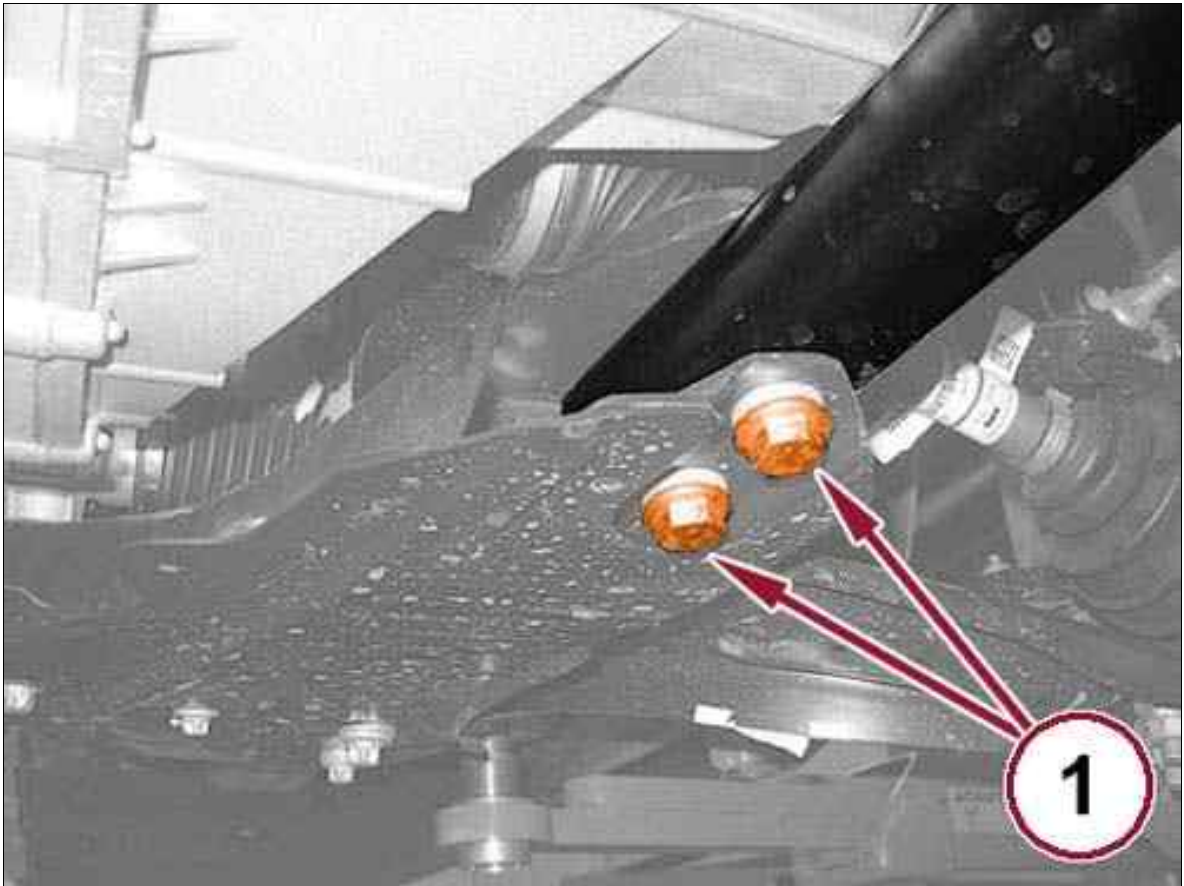
Fig 3: Reinforcement Bracket Bolts



Courtesy of CHRYSLER GROUP, LLC

6. Unscrew the screws (1) and remove the reinforcement bracket, the left side.

Fig 4: Left Side Load Beam & Bolts



Courtesy of CHRYSLER GROUP, LLC

7. Unscrew the screws (1) and remove the lower load beam, the left side.
8. On the right side, do the same for the removal of the load beam extension, reinforcement bracket and lower load beam.

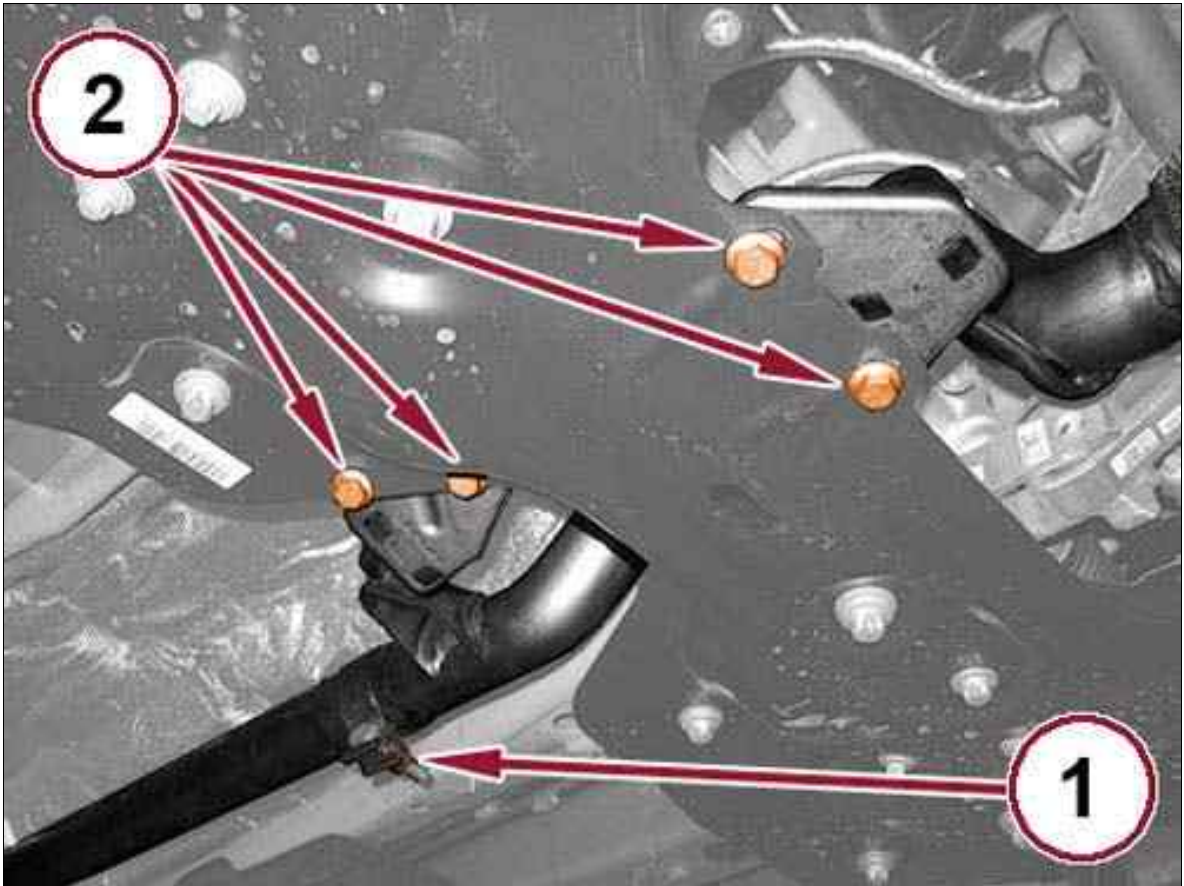
Fig 5: Stabilizer Bar Link & Nut



Courtesy of CHRYSLER GROUP, LLC

9. Holding the stem of the link, loosen the fixing nut (1) from left stabilizer bar link and disconnect it from the shock.
10. On the right side, proceed similarly to disconnect the stabilizer bar link.

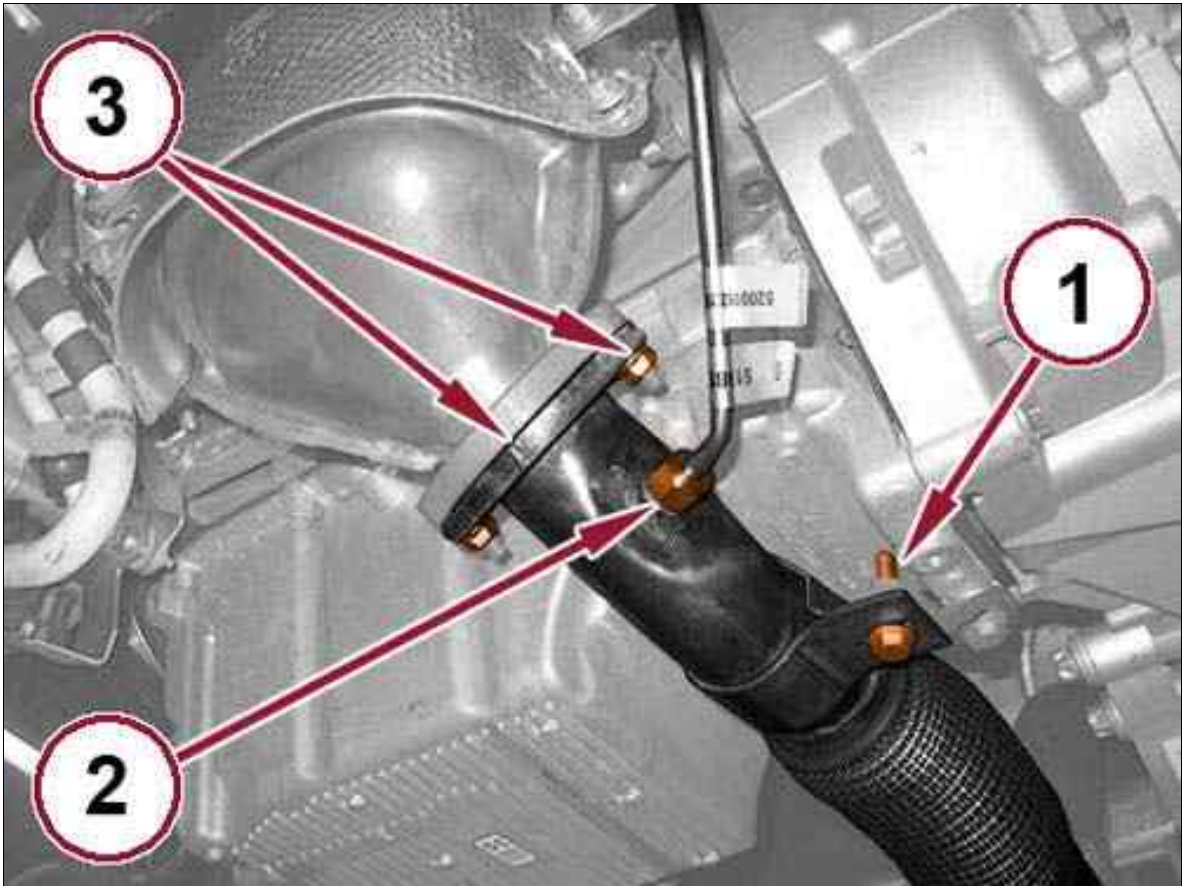
Fig 6: Pipe Support Brackets Screws, Clamp & Nut



Courtesy of CHRYSLER GROUP, LLC

11. Unscrew the nut (1) and loosen the clamp connecting pipes.
12. Disconnect the fixing screws (2) of the pipe support brackets on the side of suspension crossmember.

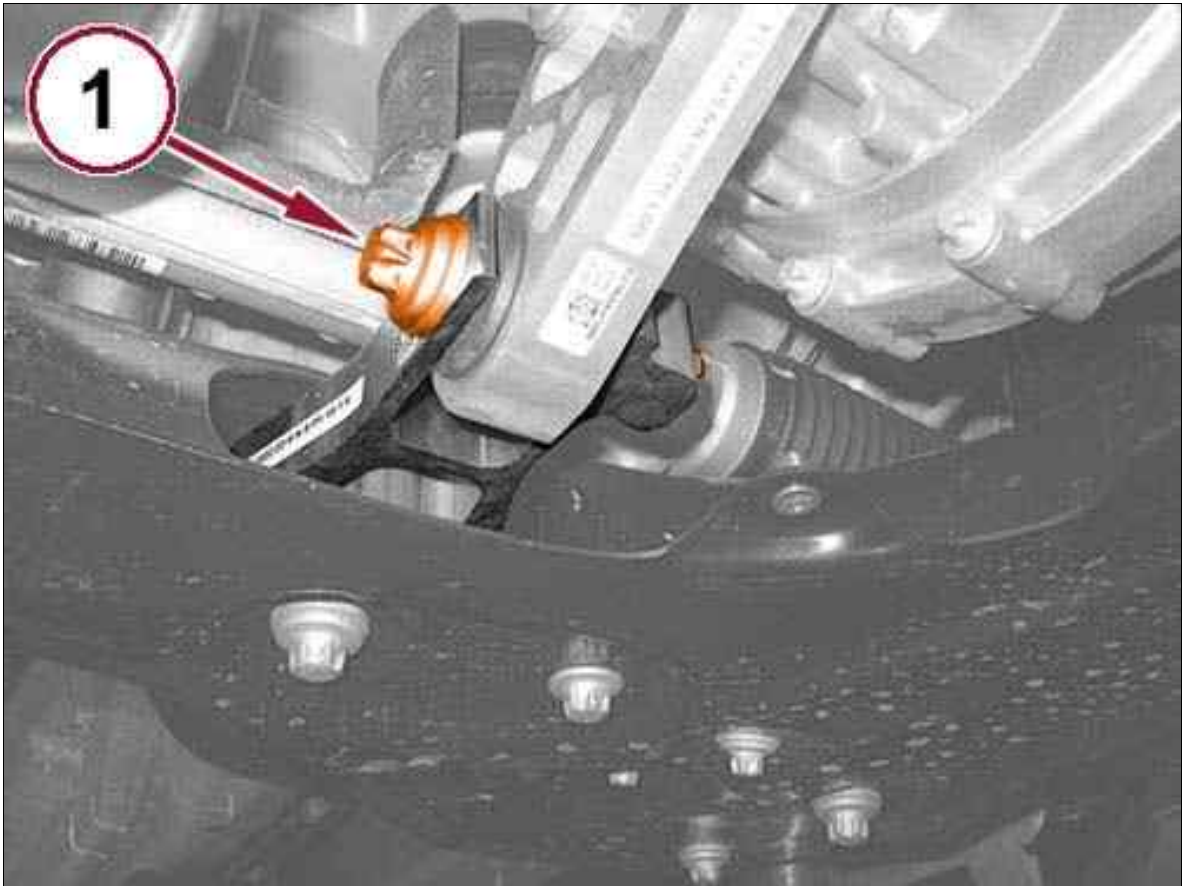
Fig 7: Screws, Connection & Nut



Courtesy of CHRYSLER GROUP, LLC

13. Unscrew the screws (1) securing the support bracket clamp to the exhaust pipe.
14. Unscrew the connection (2) and disconnect the pipe outlet pressure gas downstream of the DPF.
15. Unscrew the nuts (3) and disconnect the exhaust pipe from the DPF.
16. Remove the gasket.

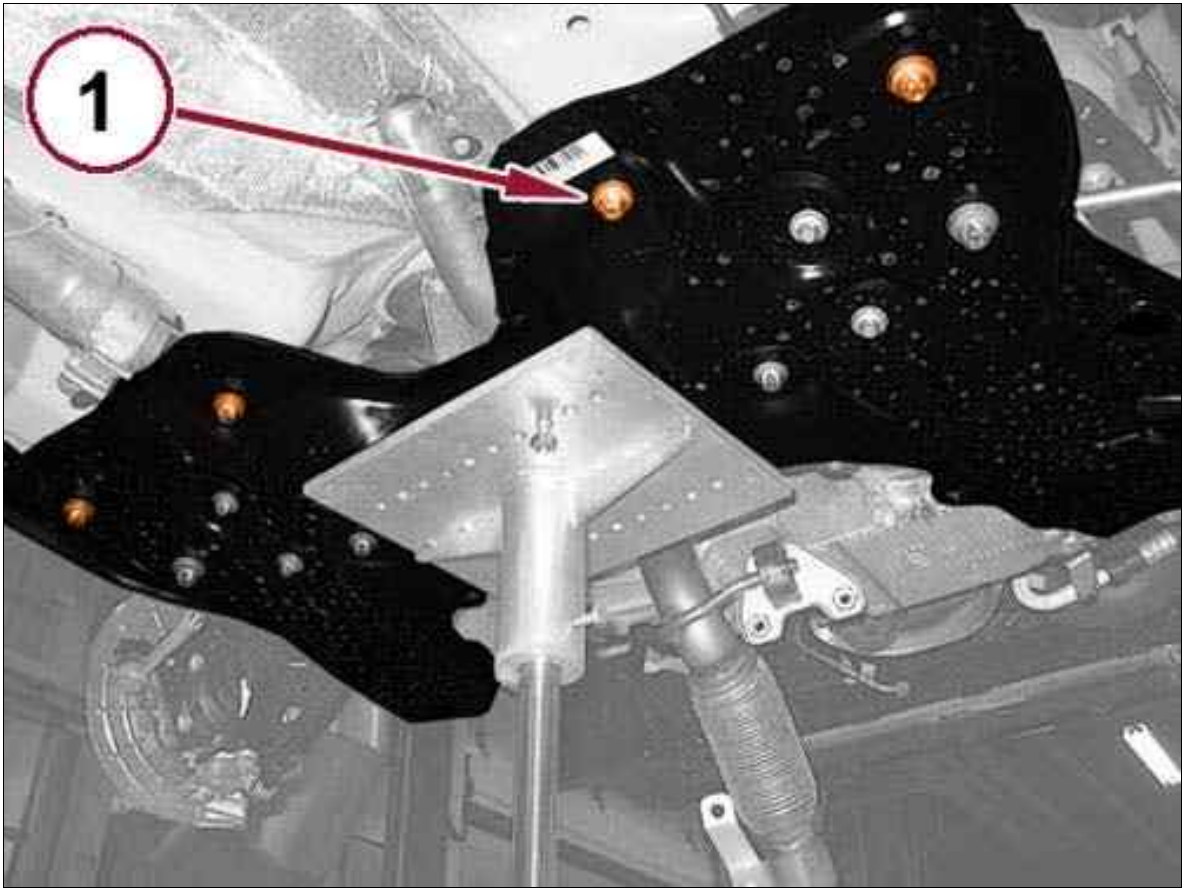
Fig 8: Rear Engine Mount Isolator To Bracket Bolt



Courtesy of CHRYSLER GROUP, LLC

17. Remove the rear engine mount isolator to bracket bolt (1).

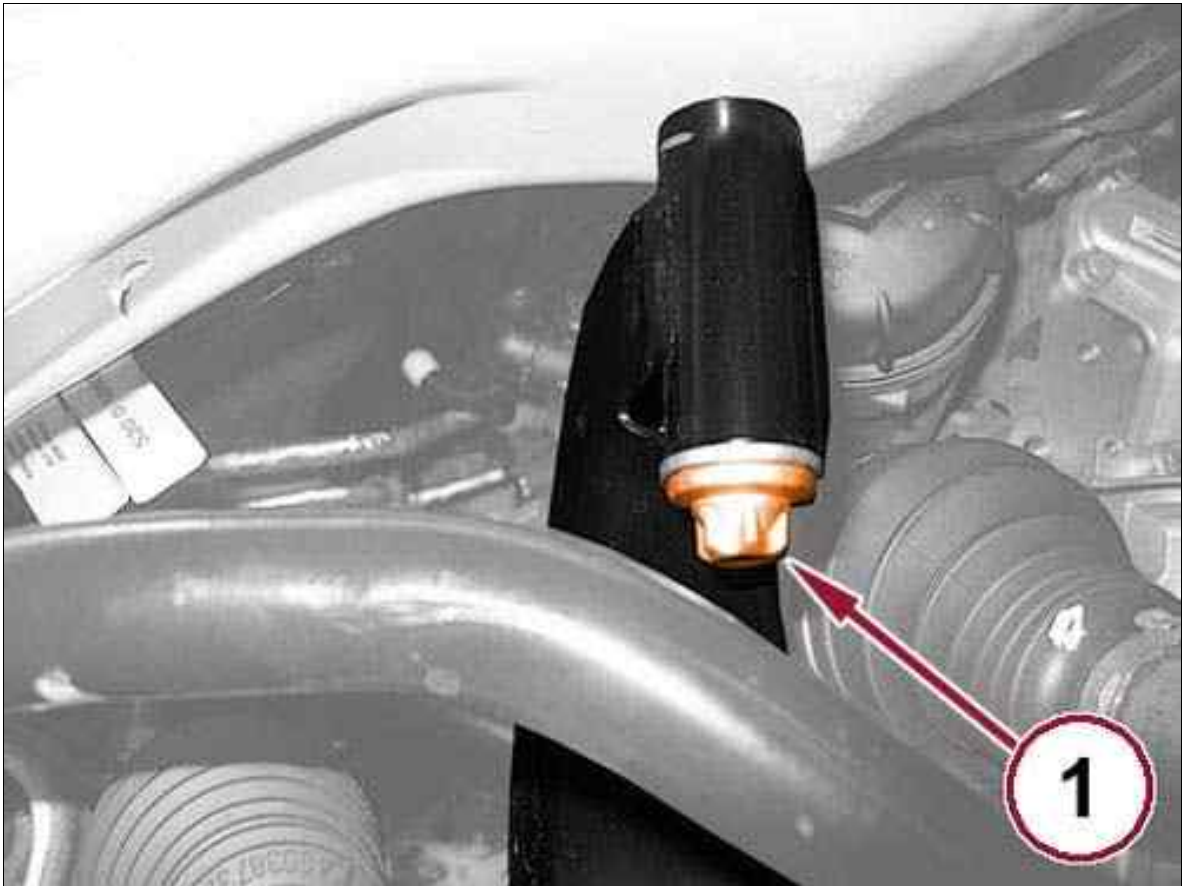
Fig 9: Suspension Crossmember To Body Screws



Courtesy of CHRYSLER GROUP, LLC

18. Place a suitable hydraulic lift under the crossmember of the suspension.
19. Remove the screws (1) securing the rear of the suspension crossmember to the body.

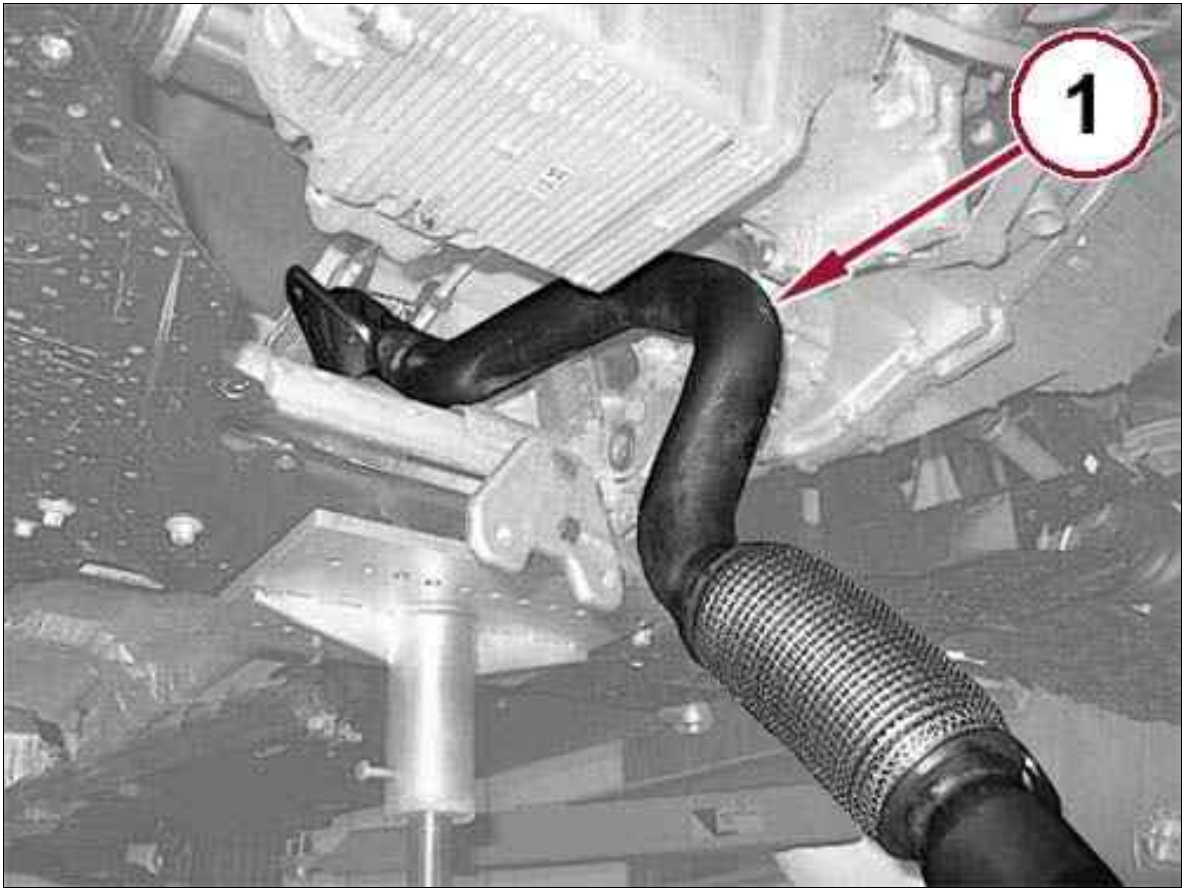
Fig 10: Suspension Crossmember To Side Panel Screw



Courtesy of CHRYSLER GROUP, LLC

20. Remove the screw (1) fastening the suspension crossmember to the left and right side panels.

Fig 11: Exhaust Pipe With Front Flex Pipe



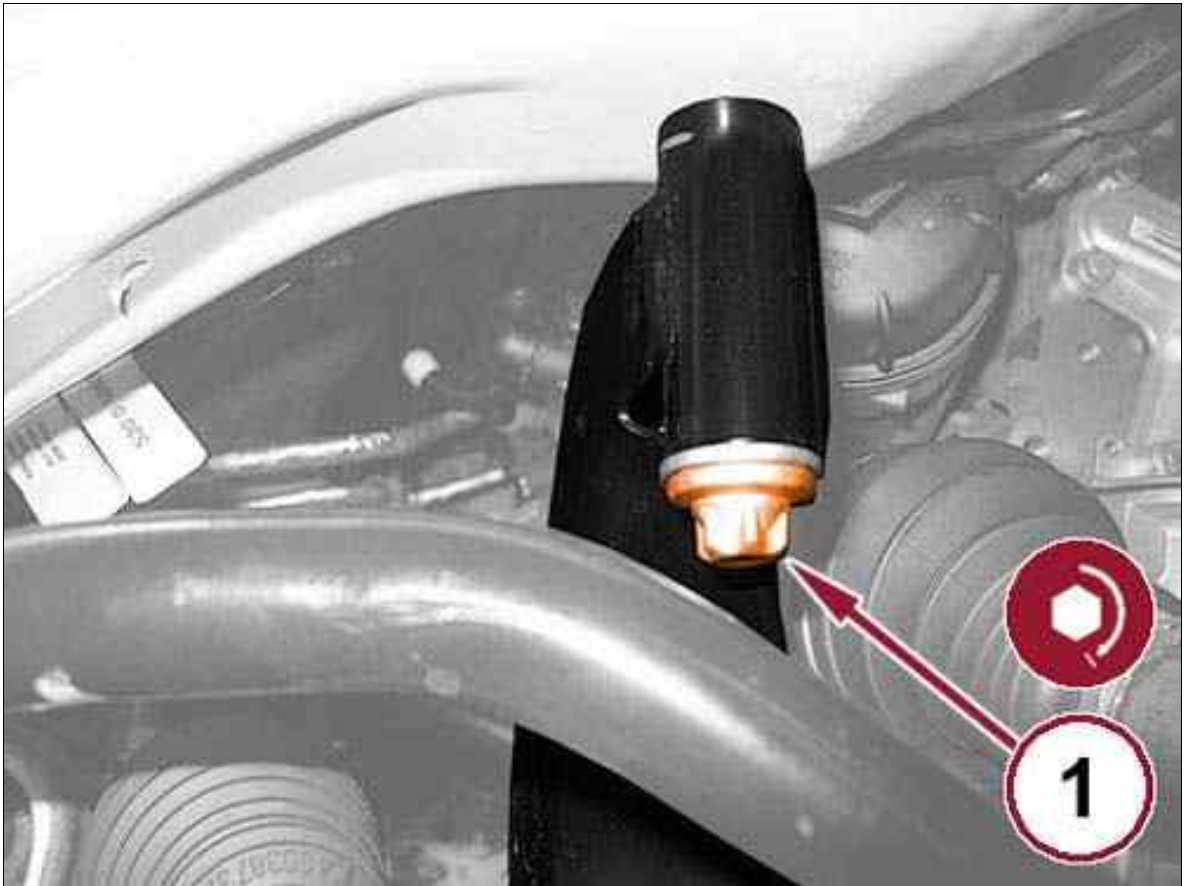
Courtesy of CHRYSLER GROUP, LLC

21. Act on the hydraulic lift to lower the bar and remove the exhaust pipe (1) with front flex pipe from the exhaust silencer front.

PIPE, EXHAUST > REMOVAL AND INSTALLATION > 1.6L DIESEL > INSTALLATION

1. Put into place the exhaust pipe with front flex pipe and connect it to the exhaust silencer front.

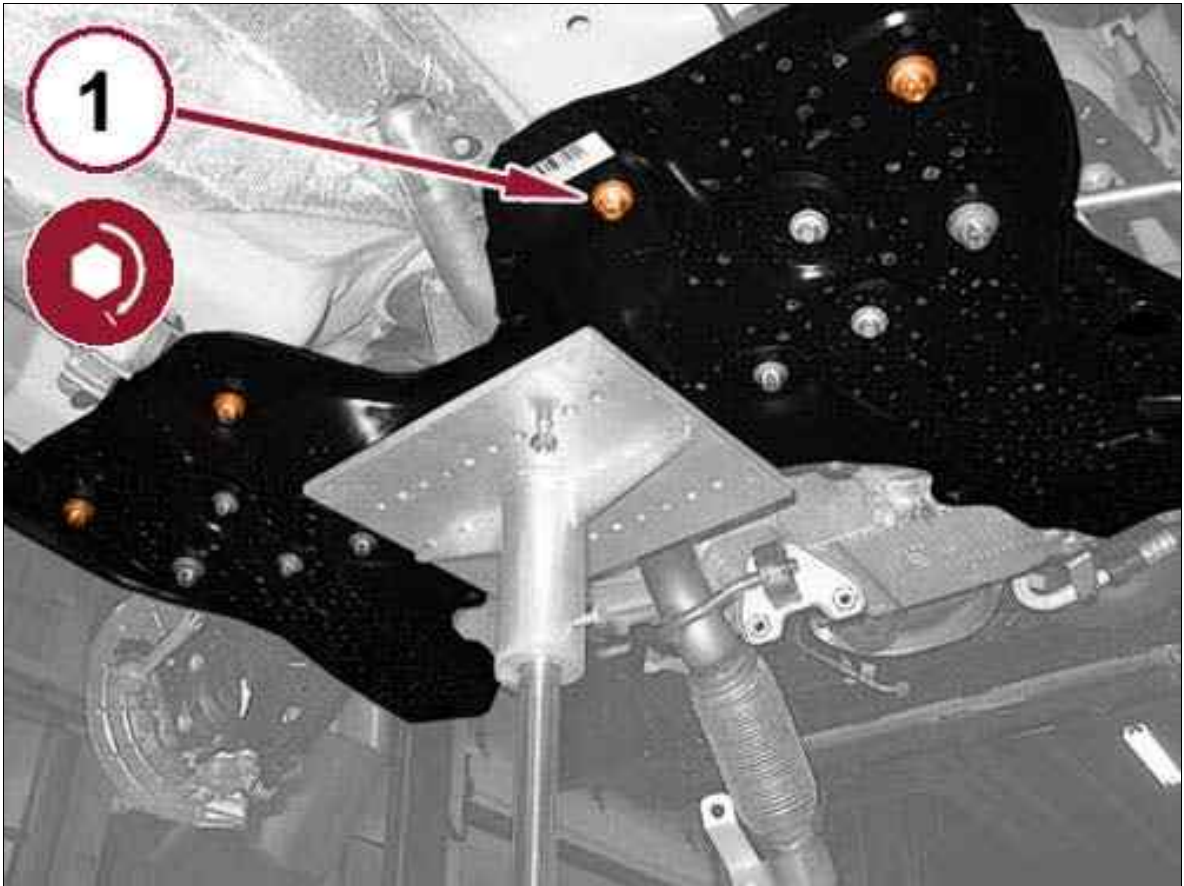
Fig 1: Suspension Crossmember To Side Panel Screws



Courtesy of CHRYSLER GROUP, LLC

2. Using a hydraulic lift put into place the crossmember of the suspension and tighten the mounting screws (1) to the left and right side panels to the proper torque specification. Refer to SPECIFICATIONS .

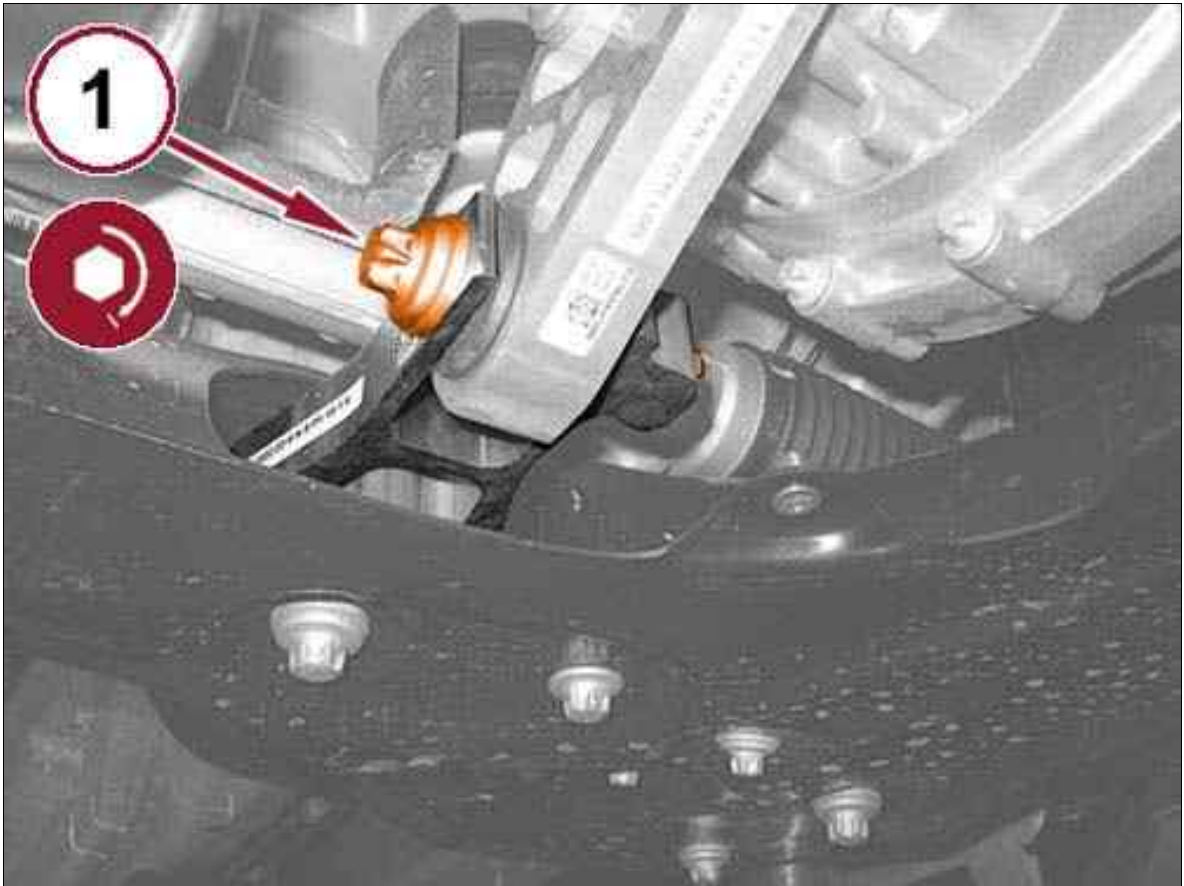
Fig 2: Suspension Crossmember To Body Bolts



Courtesy of CHRYSLER GROUP, LLC

3. Tighten the screws (1) fixing the rear of the suspension crossmember to the proper torque specification. Refer to SPECIFICATIONS .

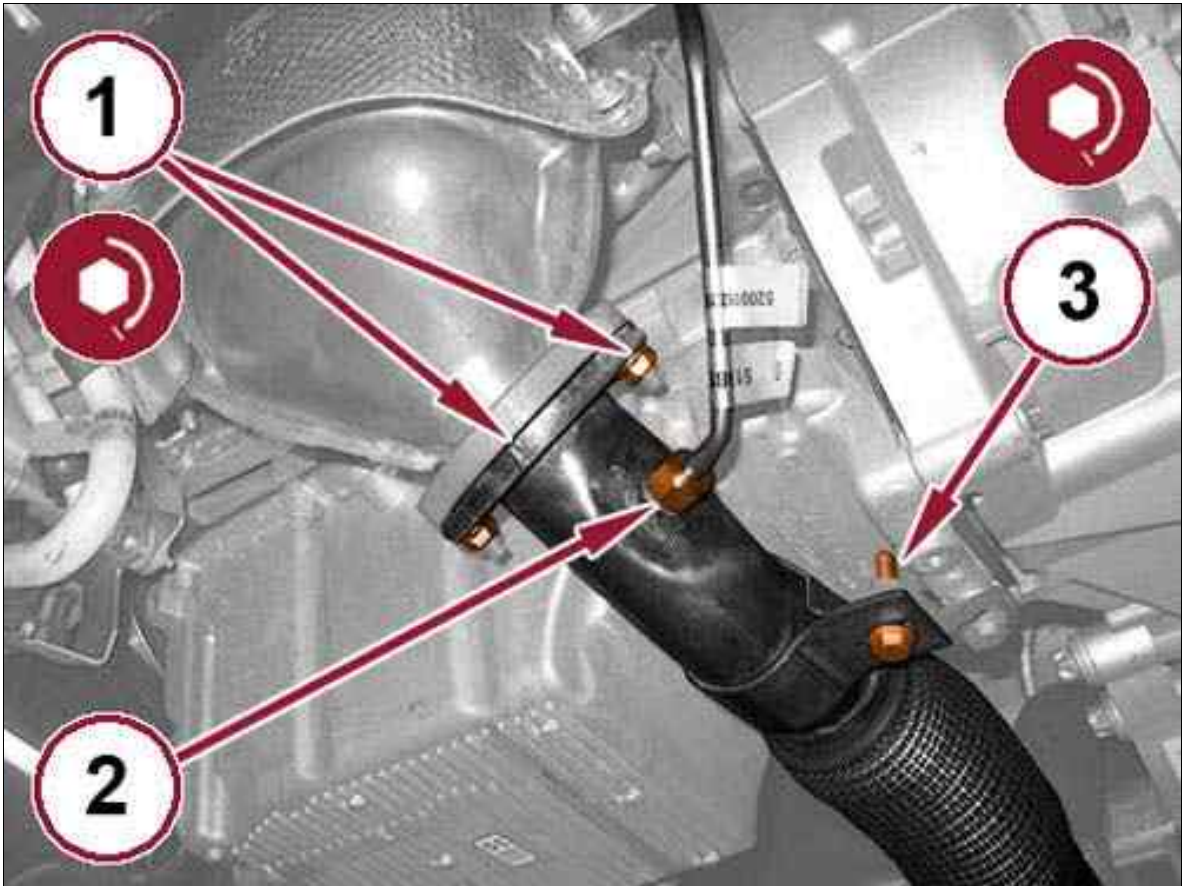
Fig 3: Rear Engine Mount Isolator To Bracket Bolt



Courtesy of CHRYSLER GROUP, LLC

4. Remove the hydraulic lift.
5. Tighten the rear engine mount isolator bolt (1) to the proper torque specification. Refer to SPECIFICATIONS .

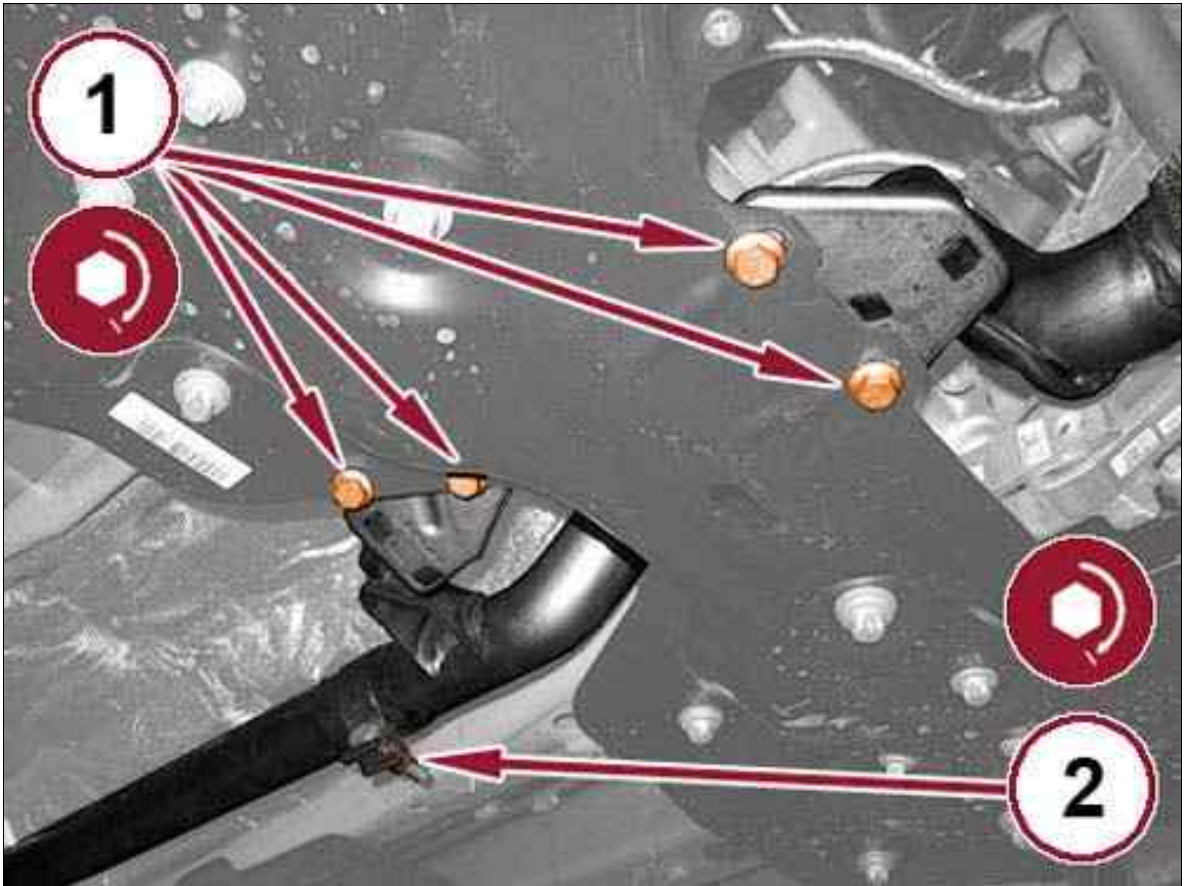
Fig 4: Exhaust Pipe Support Bracket Screw, Fitting & Nuts



Courtesy of CHRYSLER GROUP, LLC

6. Connect the exhaust pipe to the DPF, using a new gasket and tighten the nuts (1) to the proper torque specification. Refer to SPECIFICATIONS .
7. Tighten the fitting (2) of the pipe for the downstream DPF pressure sensor.
8. Tighten the exhaust pipe support bracket screw (3) to the proper torque specification. Refer to SPECIFICATIONS .

Fig 5: Exhaust Pipe Support Bracket To Suspension Crossmember Bolts



Courtesy of CHRYSLER GROUP, LLC

9. Tighten the fastening screws (1) of the exhaust pipe support brackets at the side of the suspension cross member to the proper torque specification. Refer to SPECIFICATIONS .
10. Tighten the nut clamp (2) for connecting pipes to the proper torque specification. Refer to SPECIFICATIONS .

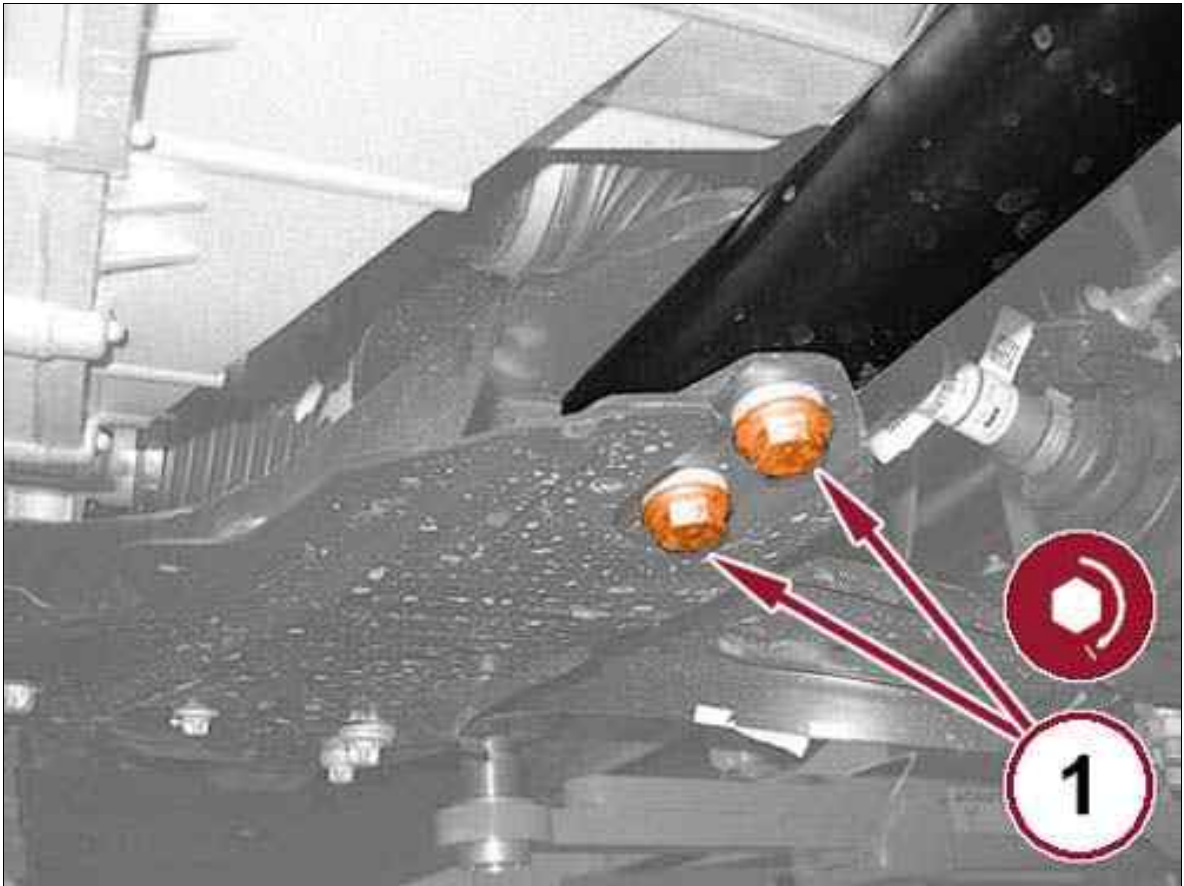
Fig 6: Stabilizer Link To Shock And Nut



Courtesy of CHRYSLER GROUP, LLC

11. Connect the left stabilizer link (1) to shock and tighten the nut to the proper torque specification. Refer to FRONT, SPECIFICATIONS .
12. On the right side, do the same to connect the stabilizer bar link.

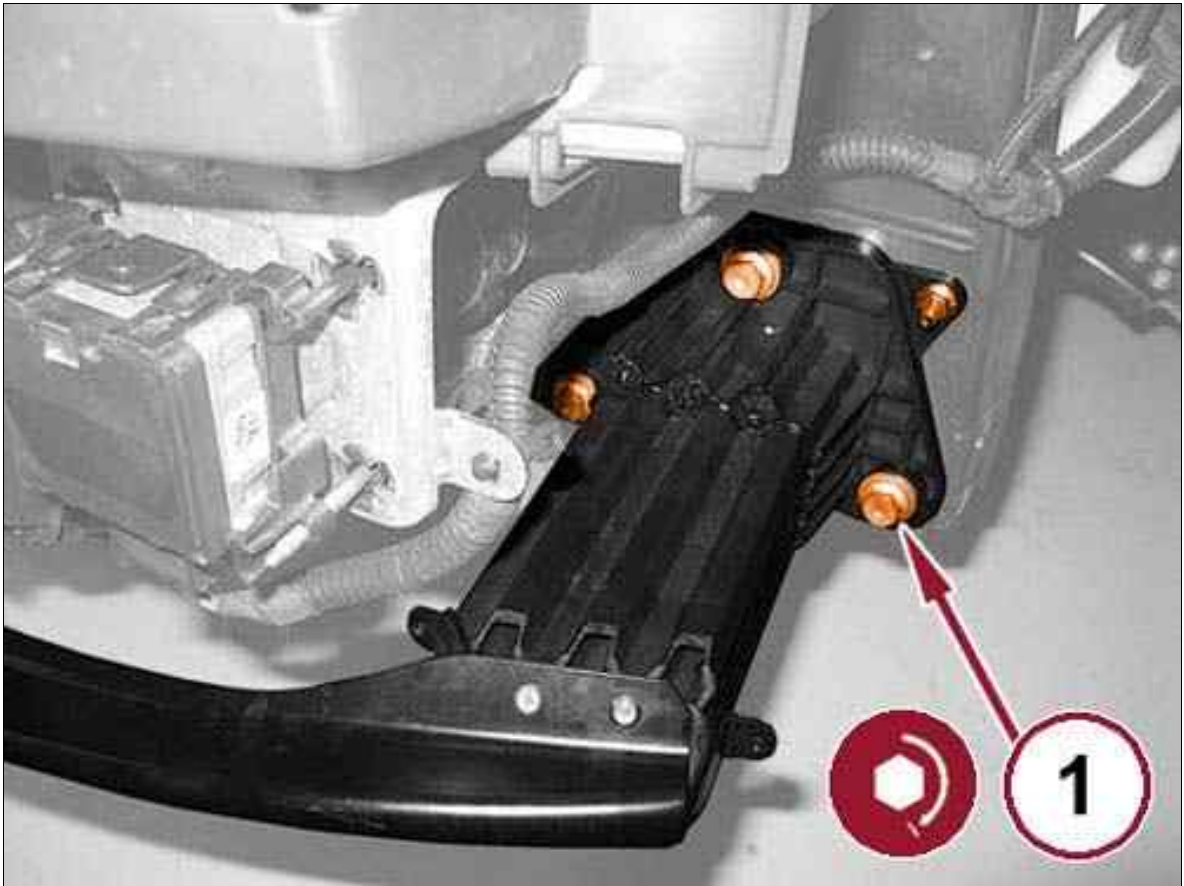
Fig 7: Lower Load Beam And Bolts



Courtesy of CHRYSLER GROUP, LLC

13. Put into place the lower load beam, the left side and tighten the screws to the proper torque specification. Refer to SPECIFICATIONS .

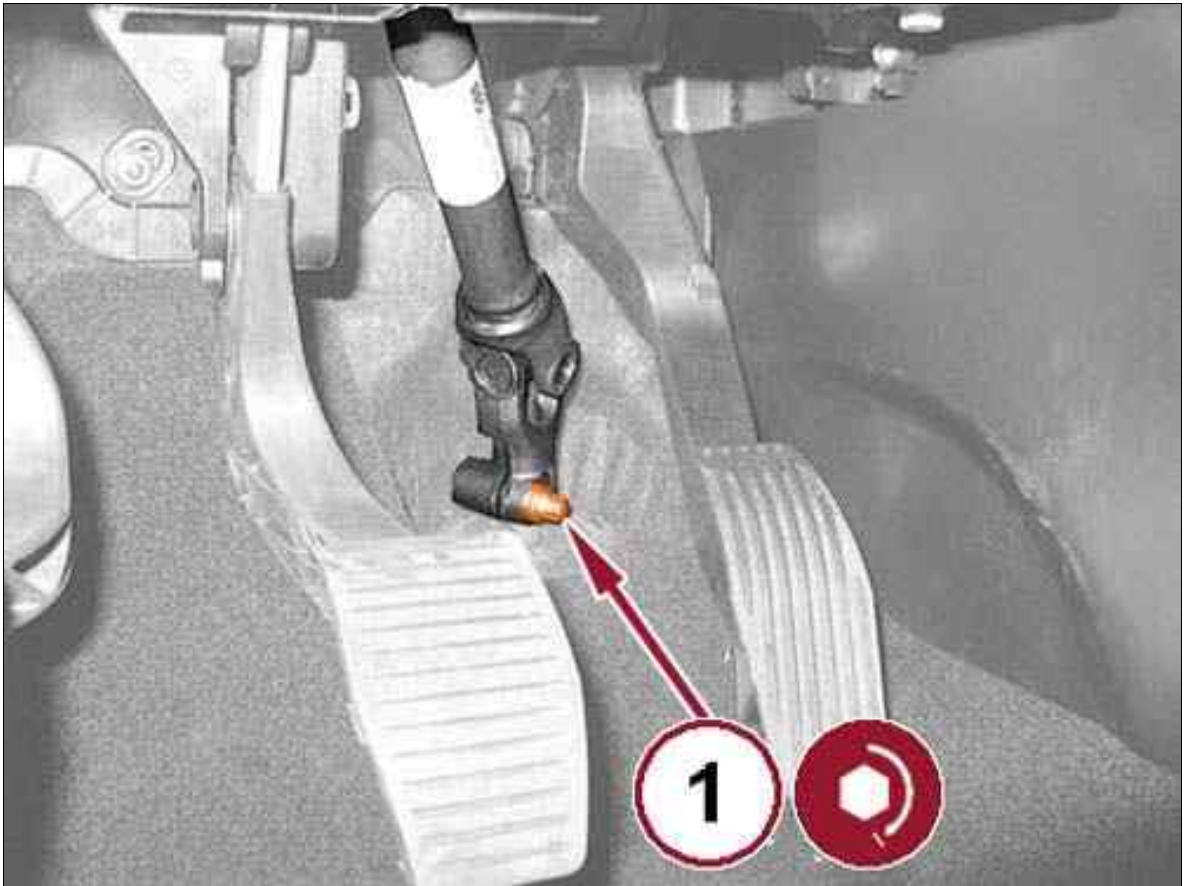
Fig 8: Load Beam Extension Mounting Screws



Courtesy of CHRYSLER GROUP, LLC

14. Put into place the reinforcement bracket of the front-end, the left side and tighten the screws.
15. Tighten load beam extension mounting screws (1), the left side to the proper torque specification. Refer to SPECIFICATIONS .
16. On the right side, proceed similarly for the reattachment of the lower load beam, reinforcement bracket and load beam extension.

Fig 9: Steering Column To Pinion Steering Box Screw



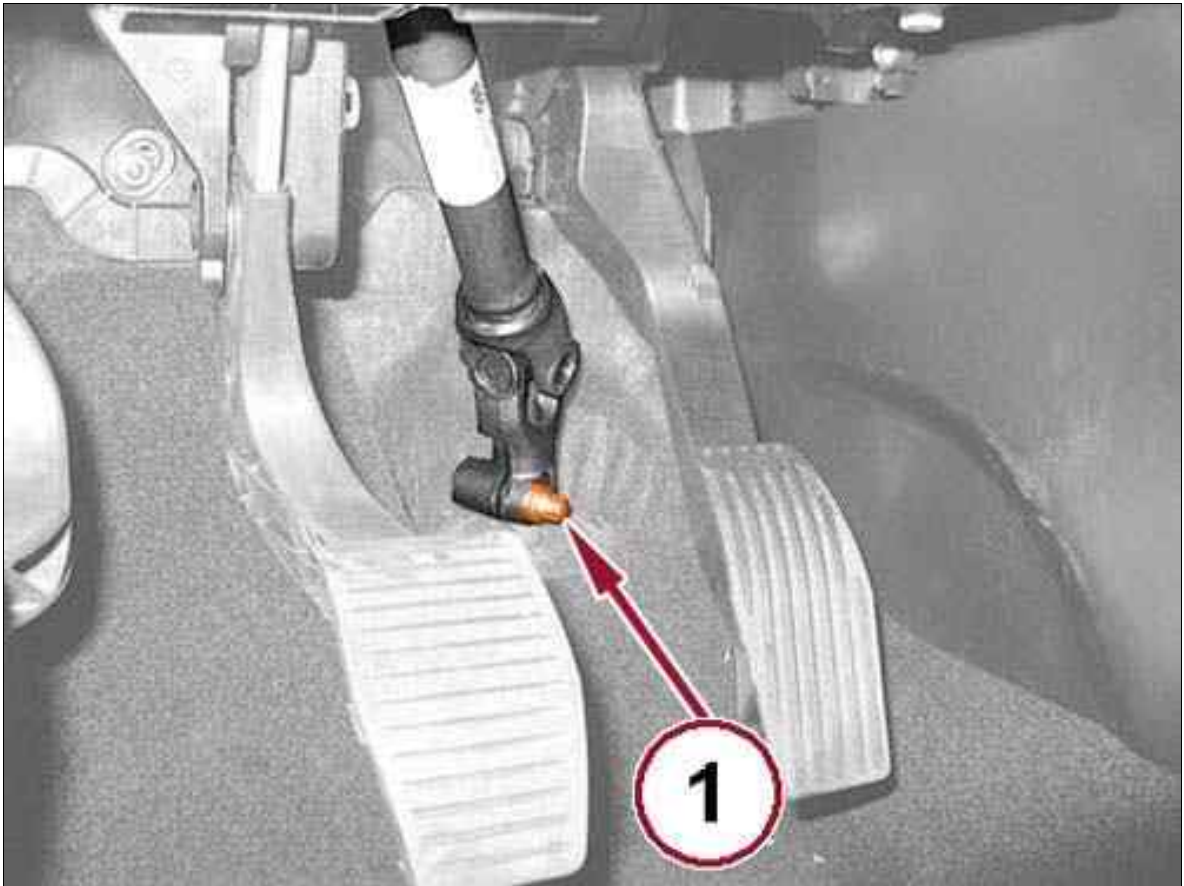
Courtesy of CHRYSLER GROUP, LLC

17. Tighten the new screw steering column to the pinion steering box to the proper torque specification. Refer to SPECIFICATIONS .
18. Install the front fascia. Refer to FASCIA, FRONT, REMOVAL AND INSTALLATION .
19. Install the engine belly pan. Refer to BELLY PAN, REMOVAL AND INSTALLATION or BELLY PAN, SIDE, REMOVAL AND INSTALLATION .
20. Remove the vehicle from the lift.

PIPE, EXHAUST > REMOVAL AND INSTALLATION > 2.0L DIESEL 120/140CV > REMOVAL

1. Raise and support the vehicle. Refer to HOISTING, STANDARD PROCEDURE .
2. Remove engine belly pan. Refer to BELLY PAN, REMOVAL AND INSTALLATION or BELLY PAN, SIDE, REMOVAL AND INSTALLATION .
3. Remove the front fascia. Refer to FASCIA, FRONT, REMOVAL AND INSTALLATION .

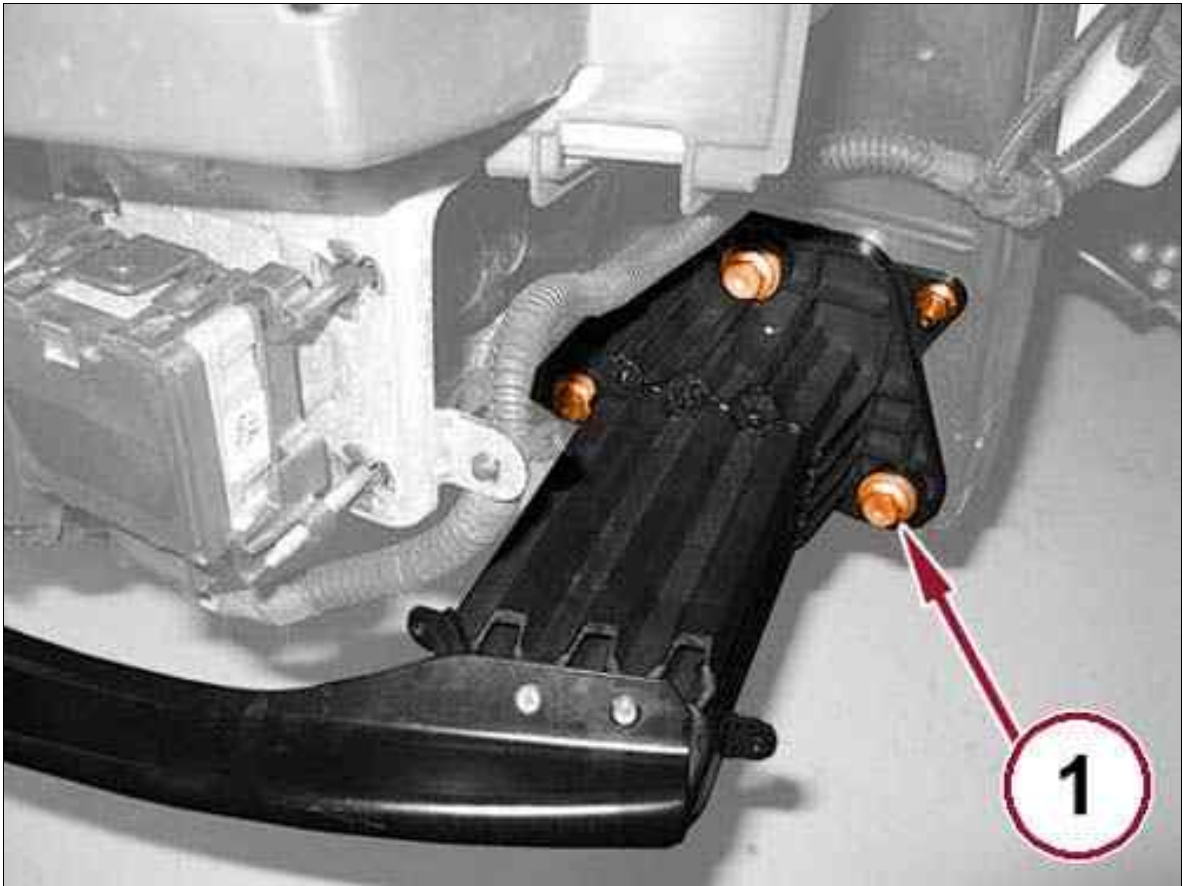
Fig 1: Steering Column To Pinion Steering Box Screw



Courtesy of CHRYSLER GROUP, LLC

4. Unscrew the screw securing the steering column to the pinion steering box.

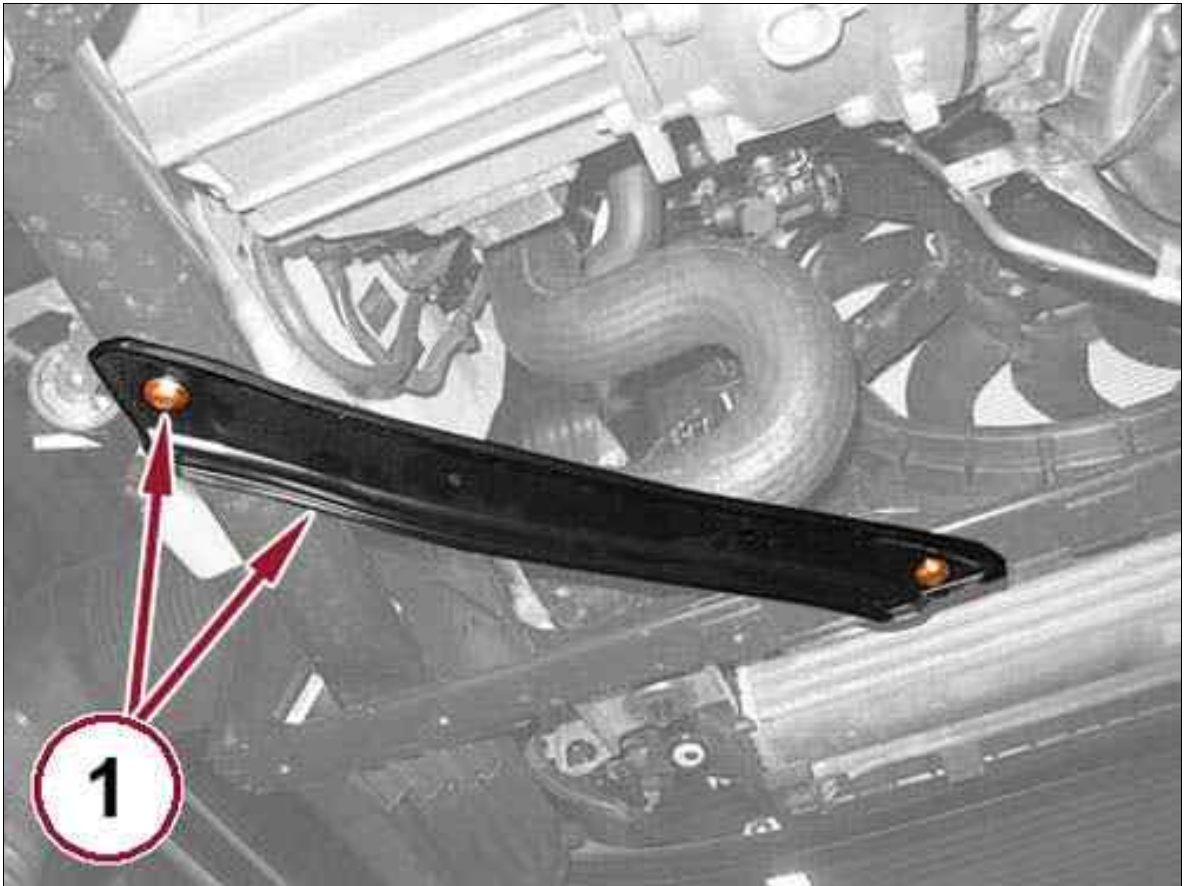
Fig 2: Load Beam Extension Bolts



Courtesy of CHRYSLER GROUP, LLC

5. Remove the bolts (1) securing the load beam extension, left side.

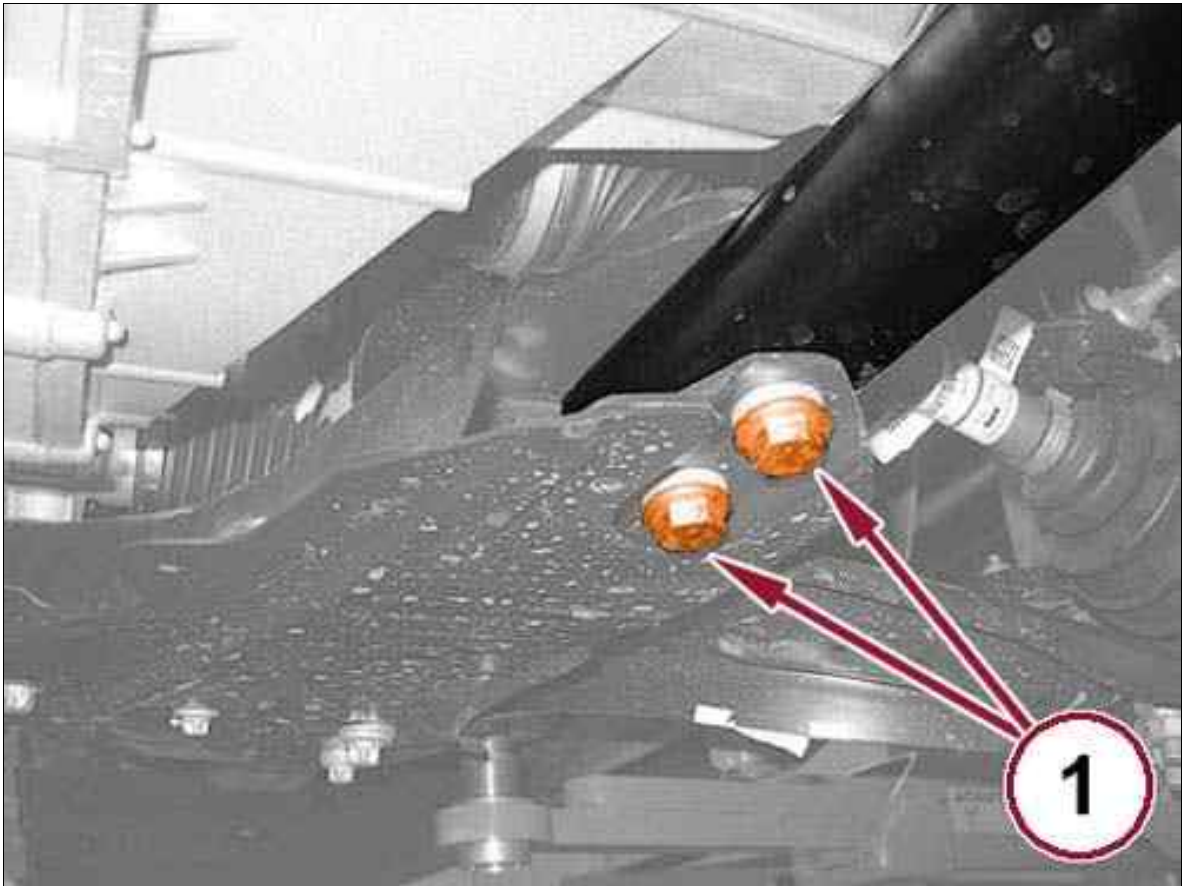
Fig 3: Reinforcement Bracket Bolts



Courtesy of CHRYSLER GROUP, LLC

6. Remove the bolts (1) and remove the reinforcement bracket, left side.

Fig 4: Left Side Load Beam & Bolts



Courtesy of CHRYSLER GROUP, LLC

7. Remove the bolts and remove the lower load beam, left side.
8. On the right side, do the same for the removal of the load beam extension, reinforcement bracket and lower load beam.

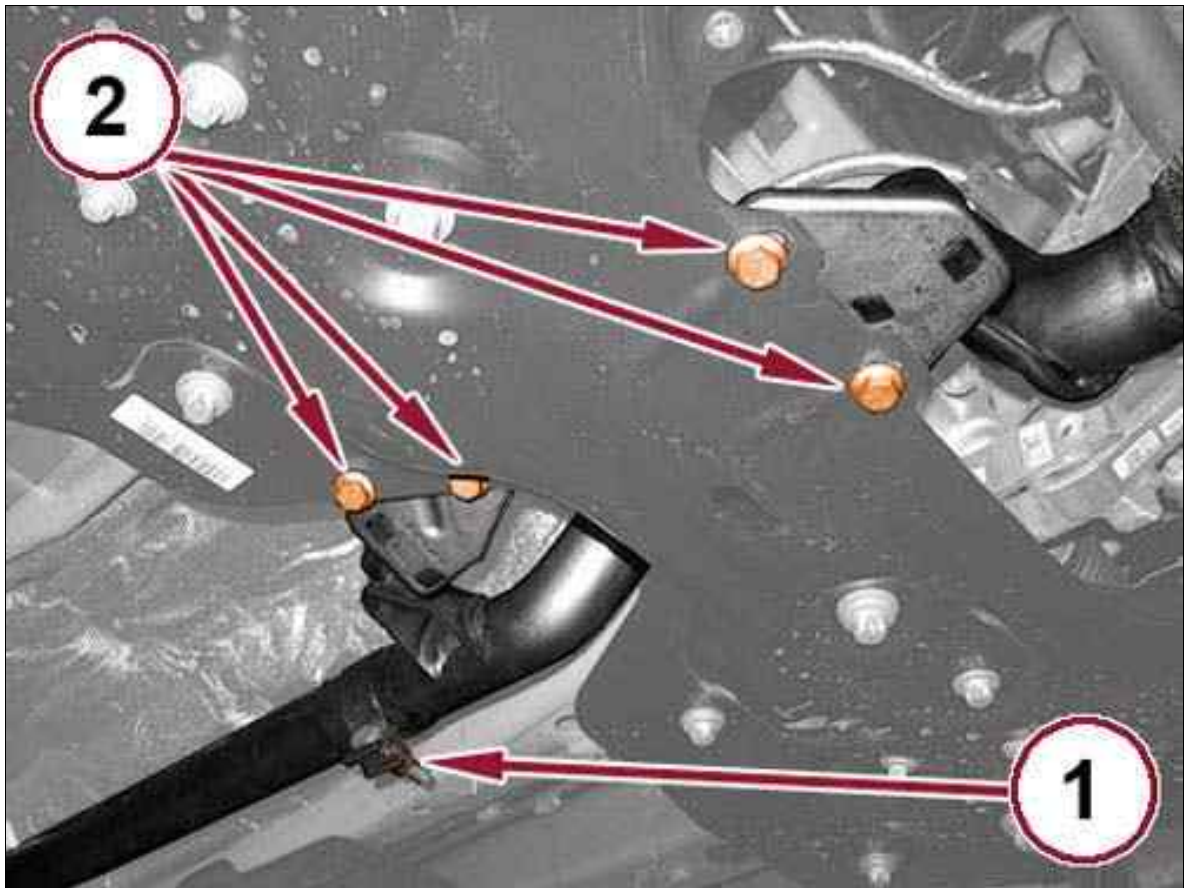
Fig 5: Stabilizer Bar Link & Nut



Courtesy of CHRYSLER GROUP, LLC

9. Holding the stem of the link, loosen the fixing nut from left stabilizer bar link and disconnect it from the shock.
10. On the right side, proceed similarly to disconnect the link on stabilizer bar.

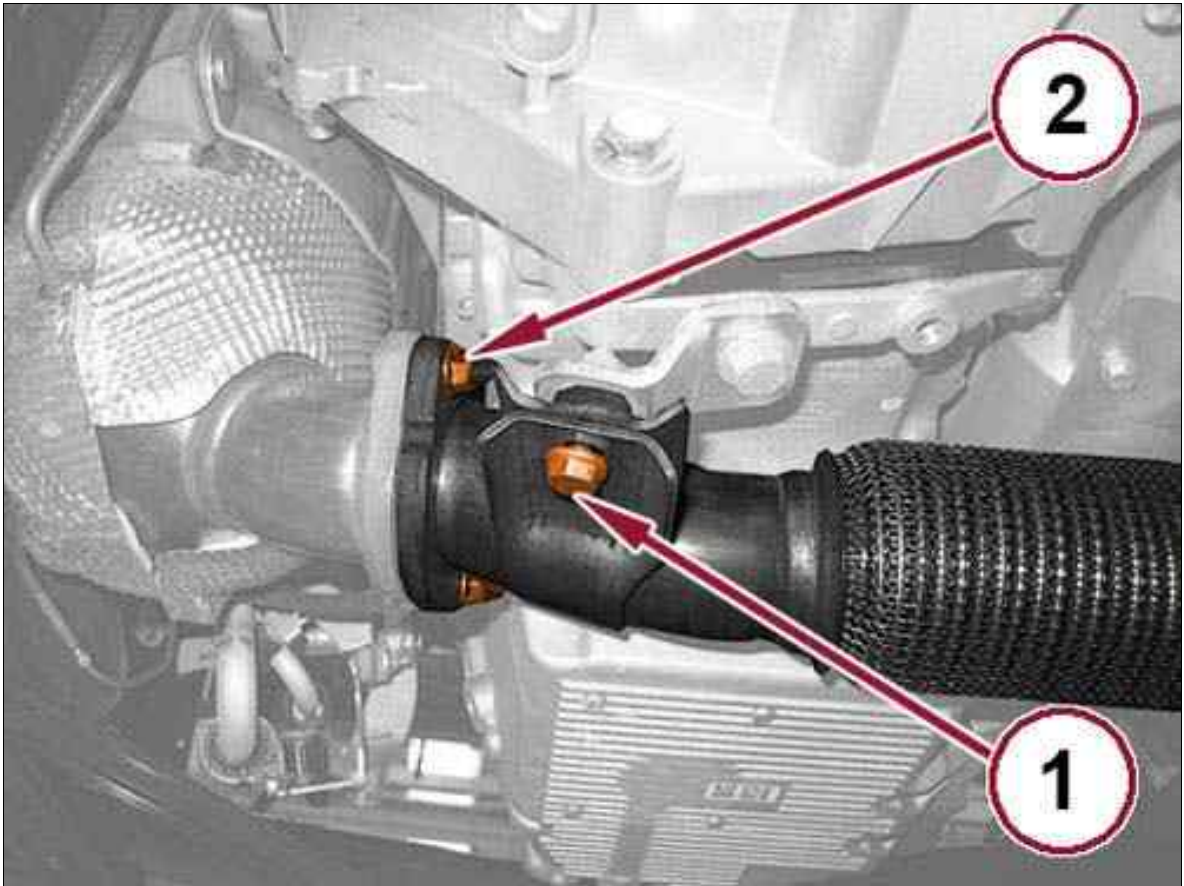
Fig 6: Pipe Support Brackets Screws, Clamp & Nut



Courtesy of CHRYSLER GROUP, LLC

11. Unscrew the nut (1) and loosen the clamp connecting the pipes.
12. Disconnect the fixing screws of the pipe support brackets (2) on the side of the suspension crossmember.

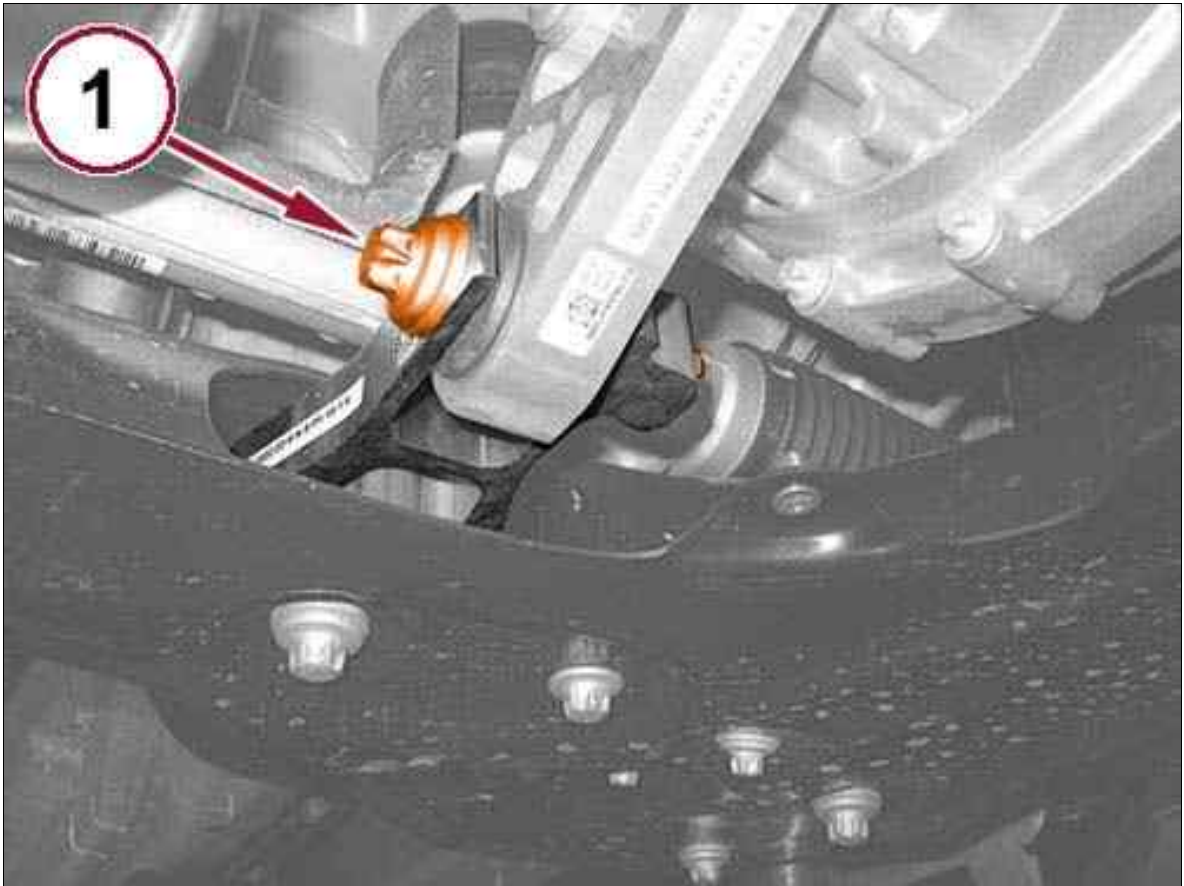
Fig 7: Exhaust Pipe Support Bracket Bolt & Exhaust Flange Nuts



Courtesy of CHRYSLER GROUP, LLC

13. Unscrew the screw (1) on the clamp to the bracket support of the exhaust pipe.
14. Unscrew the nuts (2) and disconnect the exhaust pipe from the DPF.
15. Remove the gasket.

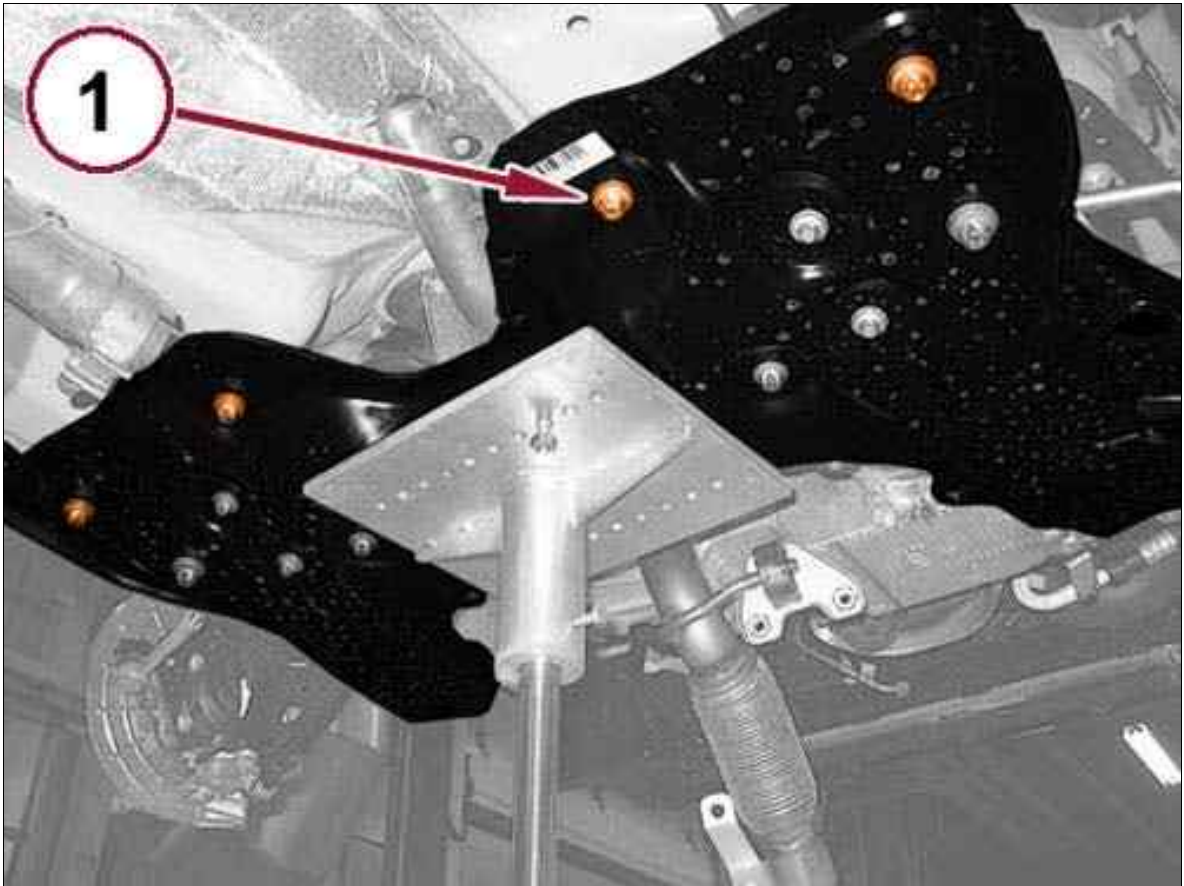
Fig 8: Rear Engine Mount Isolator To Bracket Bolt



Courtesy of CHRYSLER GROUP, LLC

16. Remove the rear engine mount isolator to bracket bolt (1).

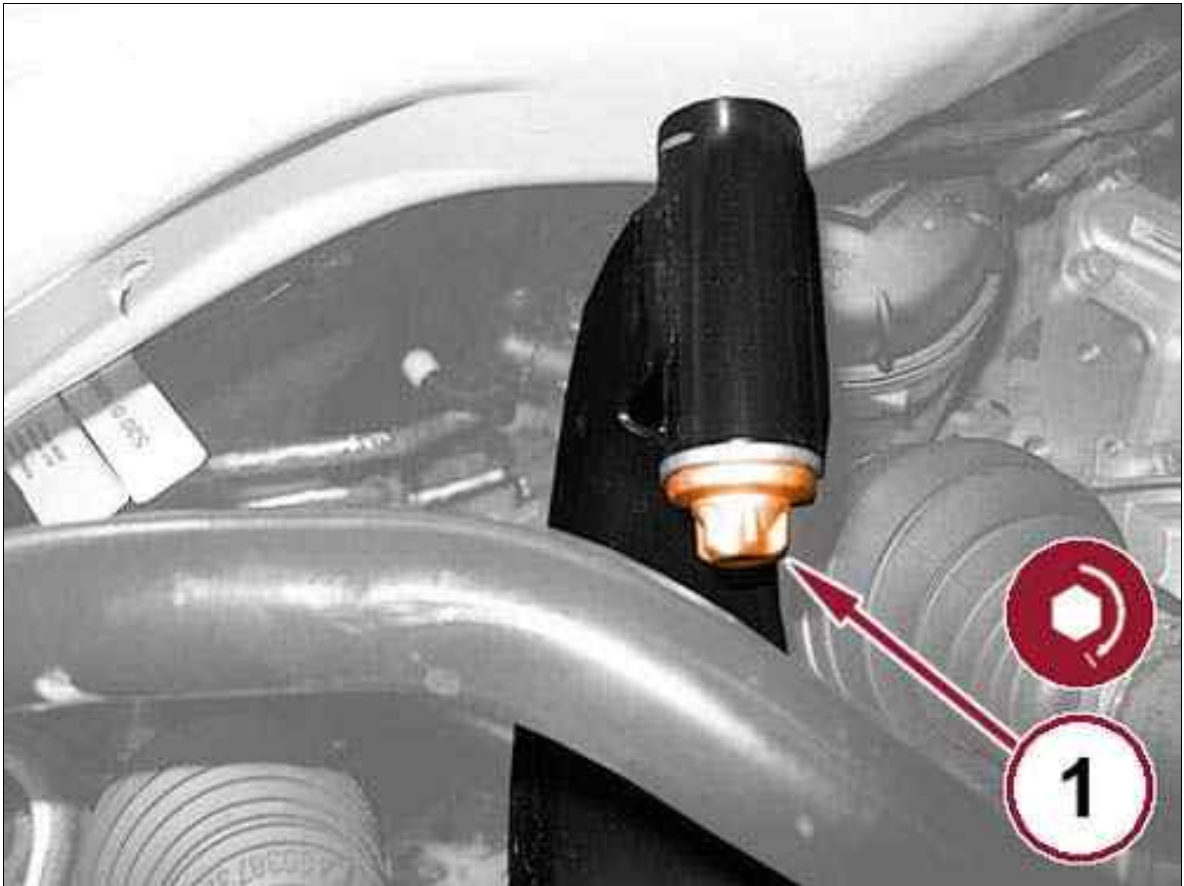
Fig 9: Suspension Crossmember To Body Screws



Courtesy of CHRYSLER GROUP, LLC

17. Place a suitable hydraulic lift under the crossbar of the suspension.
18. Remove the screws securing the rear of the suspension crossmember to the body.

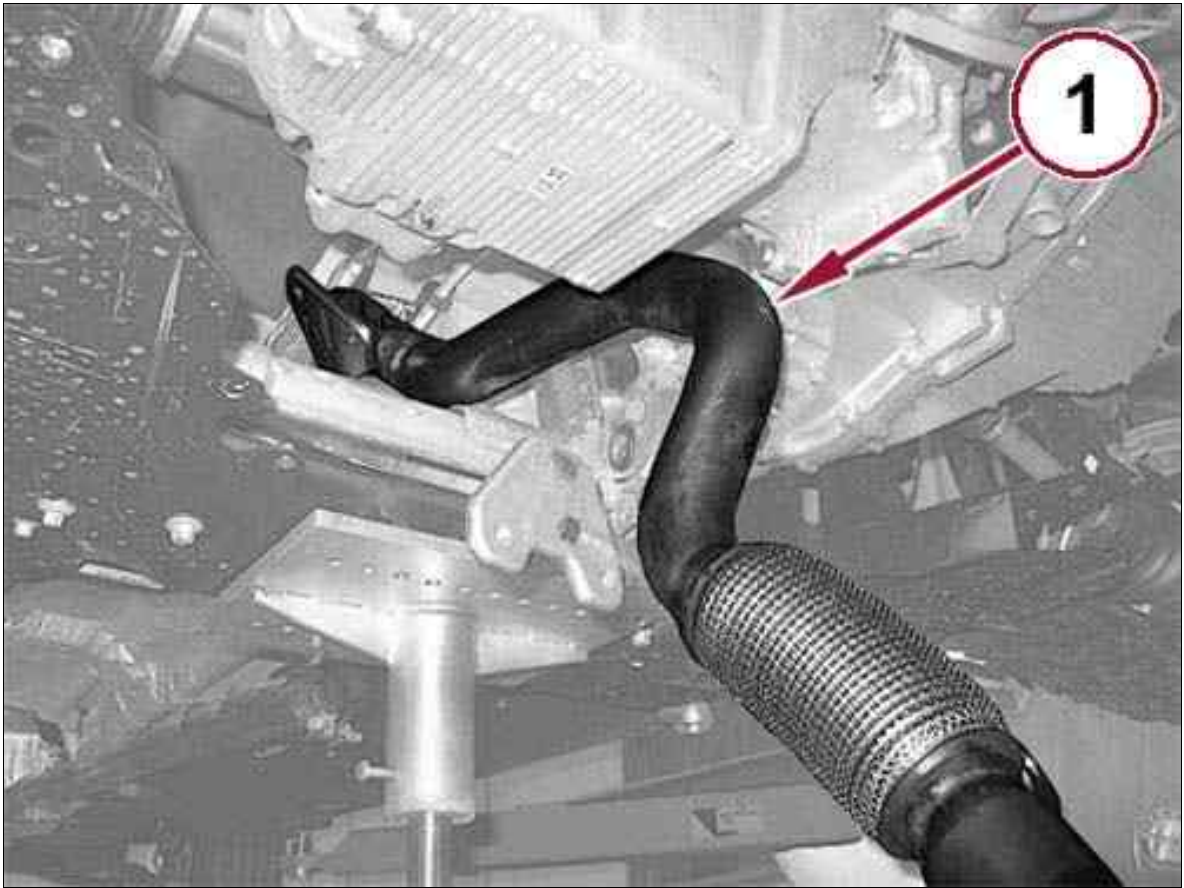
Fig 10: Suspension Crossmember To Side Panel Screws



Courtesy of CHRYSLER GROUP, LLC

19. Remove the screws fastening the suspension crossmember to the left and right side panels.

Fig 11: Exhaust Pipe With Front Flex Pipe



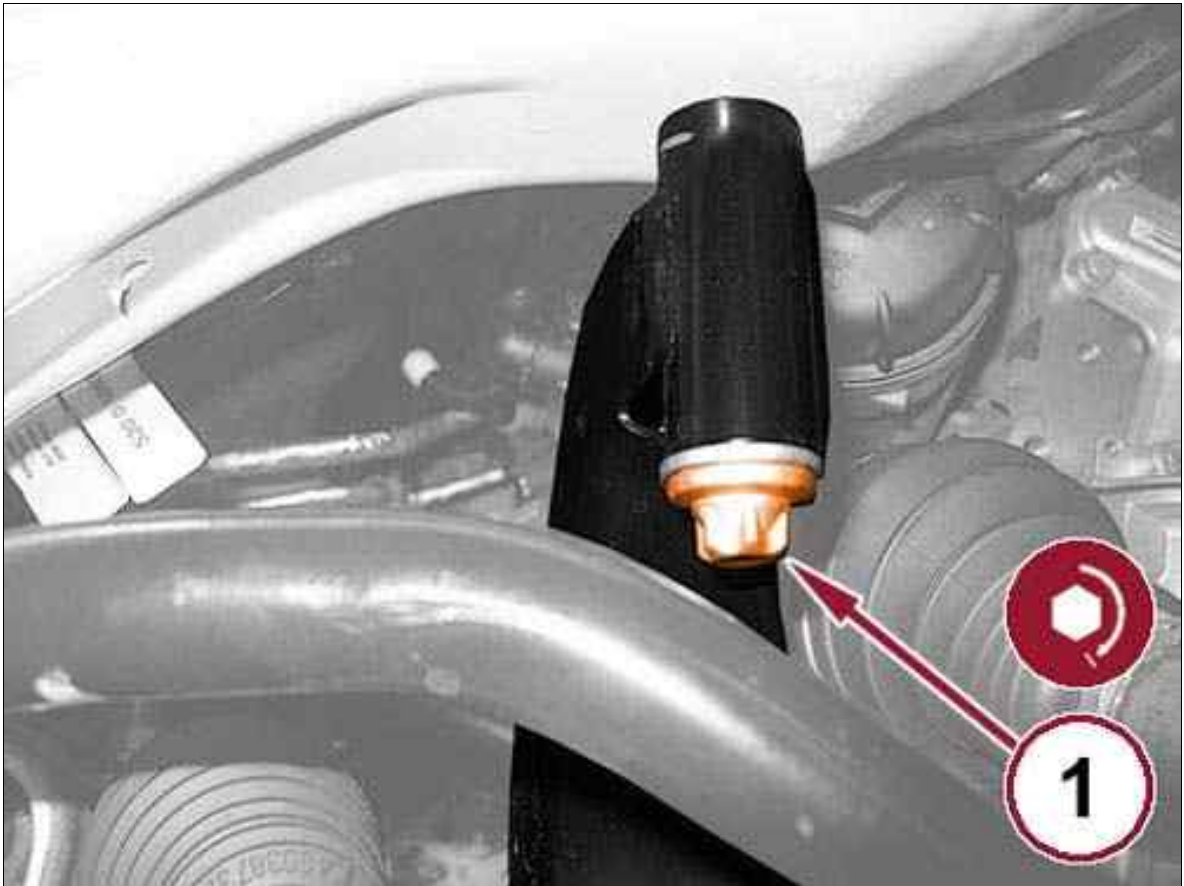
Courtesy of CHRYSLER GROUP, LLC

20. Turn the hydraulic lift control to lower the suspension crossmember and remove the exhaust pipe with front flex pipe from the exhaust silencer on front.

PIPE, EXHAUST > REMOVAL AND INSTALLATION > 2.0L DIESEL 120/140CV > INSTALLATION

1. Put into place the pipe with front flex pipe and connect it to the exhaust silencer on front.

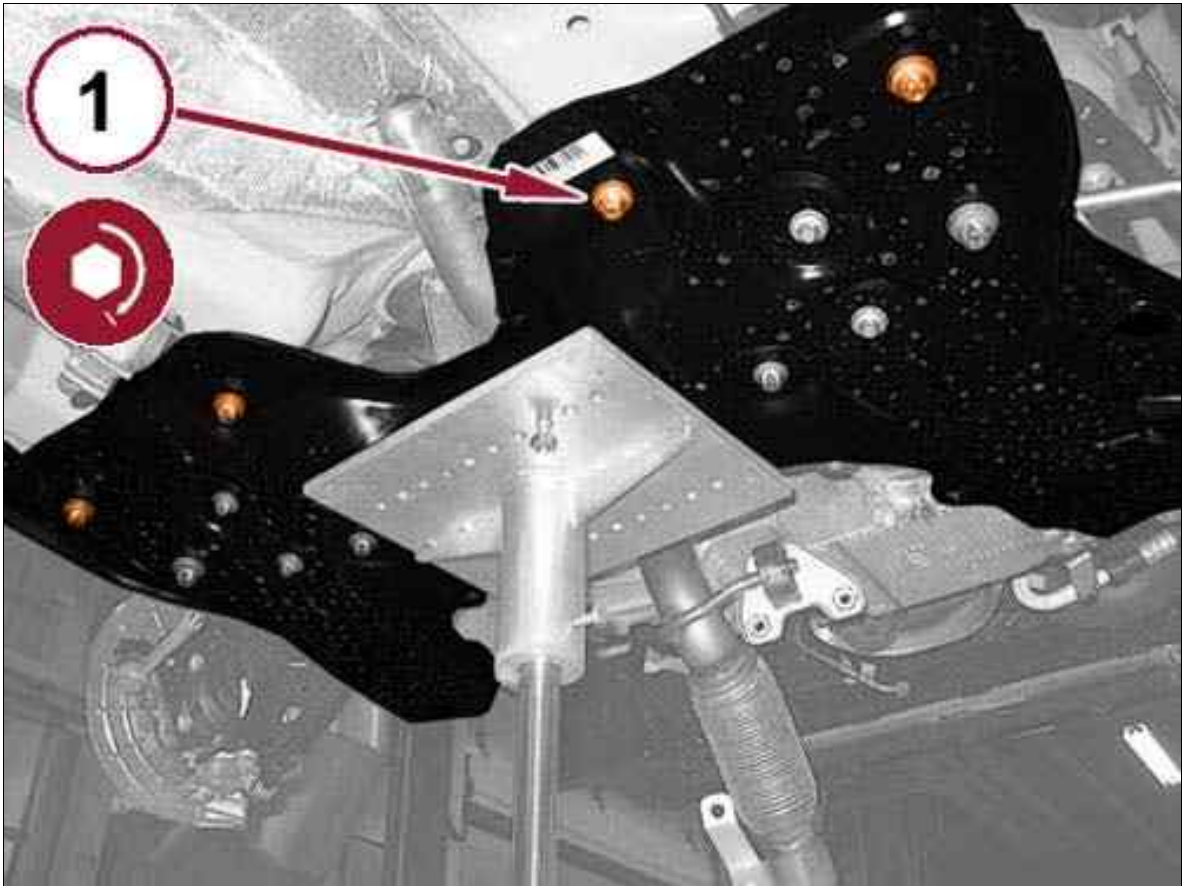
Fig 1: Suspension Crossmember To Side Panel Screws



Courtesy of CHRYSLER GROUP, LLC

2. Using a hydraulic lift, put into place the suspension crossmember and tighten the mounting bolts to the proper torque specification. Refer to SPECIFICATIONS .

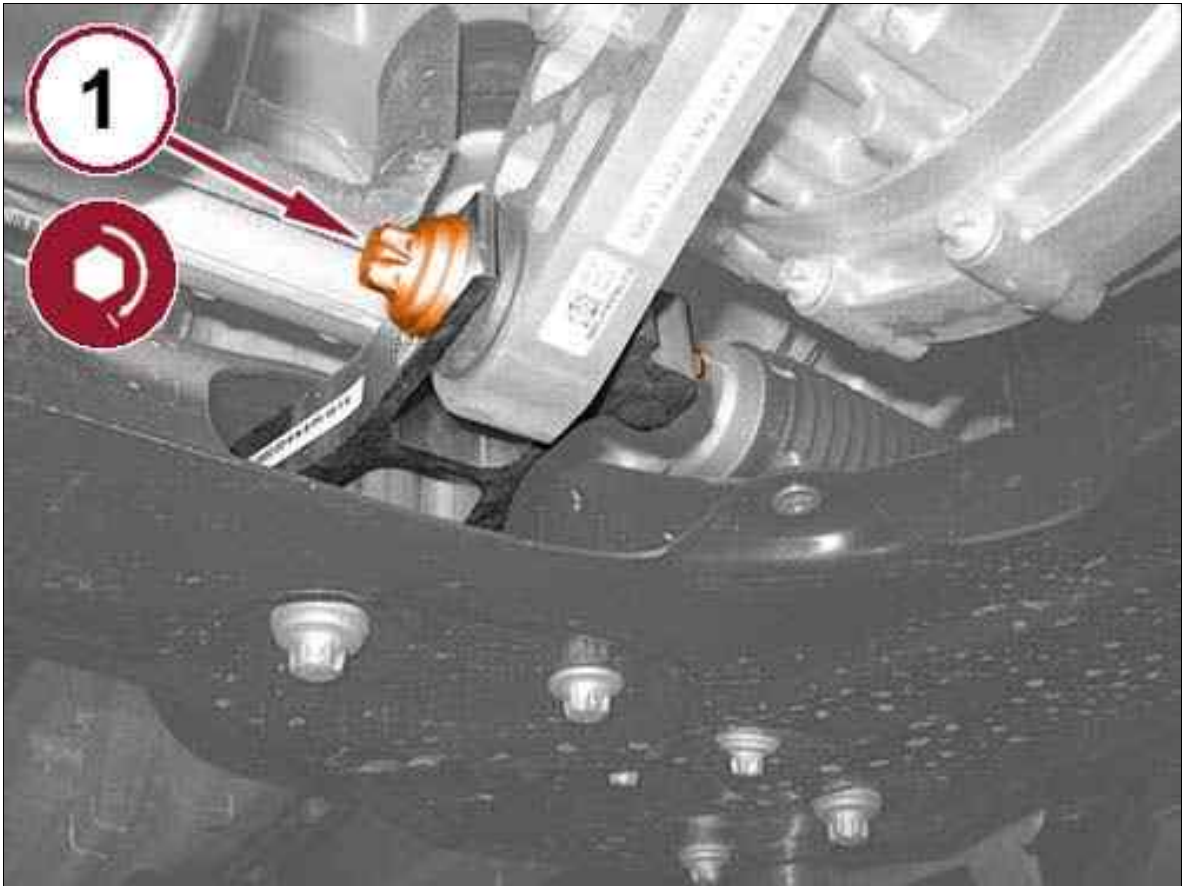
Fig 2: Suspension Crossmember To Body Bolts



Courtesy of CHRYSLER GROUP, LLC

3. Install and tighten the rear suspension crossmember to the body bolts (1) to the proper torque specification. Refer to SPECIFICATIONS .

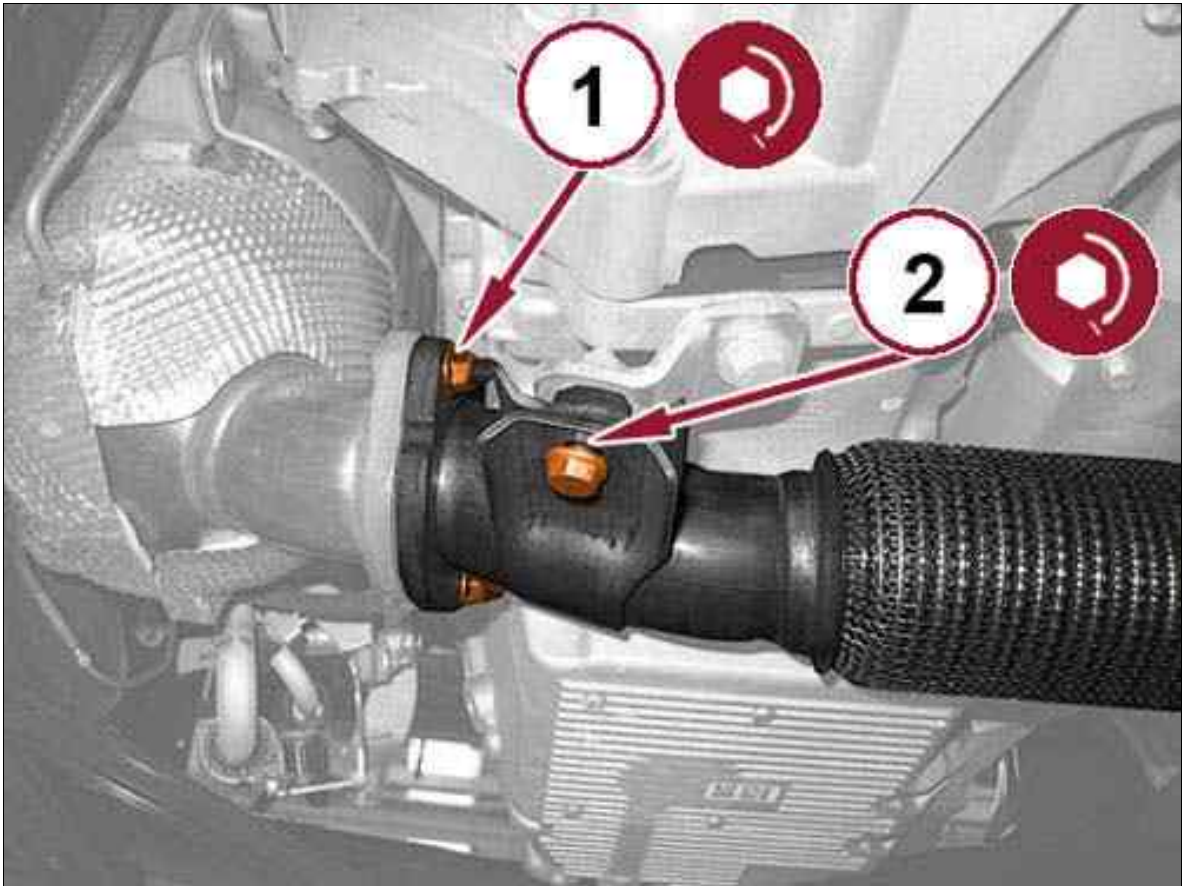
Fig 3: Rear Engine Mount Isolator To Bracket Bolt



Courtesy of CHRYSLER GROUP, LLC

4. Remove the hydraulic lift.
5. Install the rear engine mount isolator to bracket bolt (1) and tighten to the proper torque specification. Refer to SPECIFICATIONS .

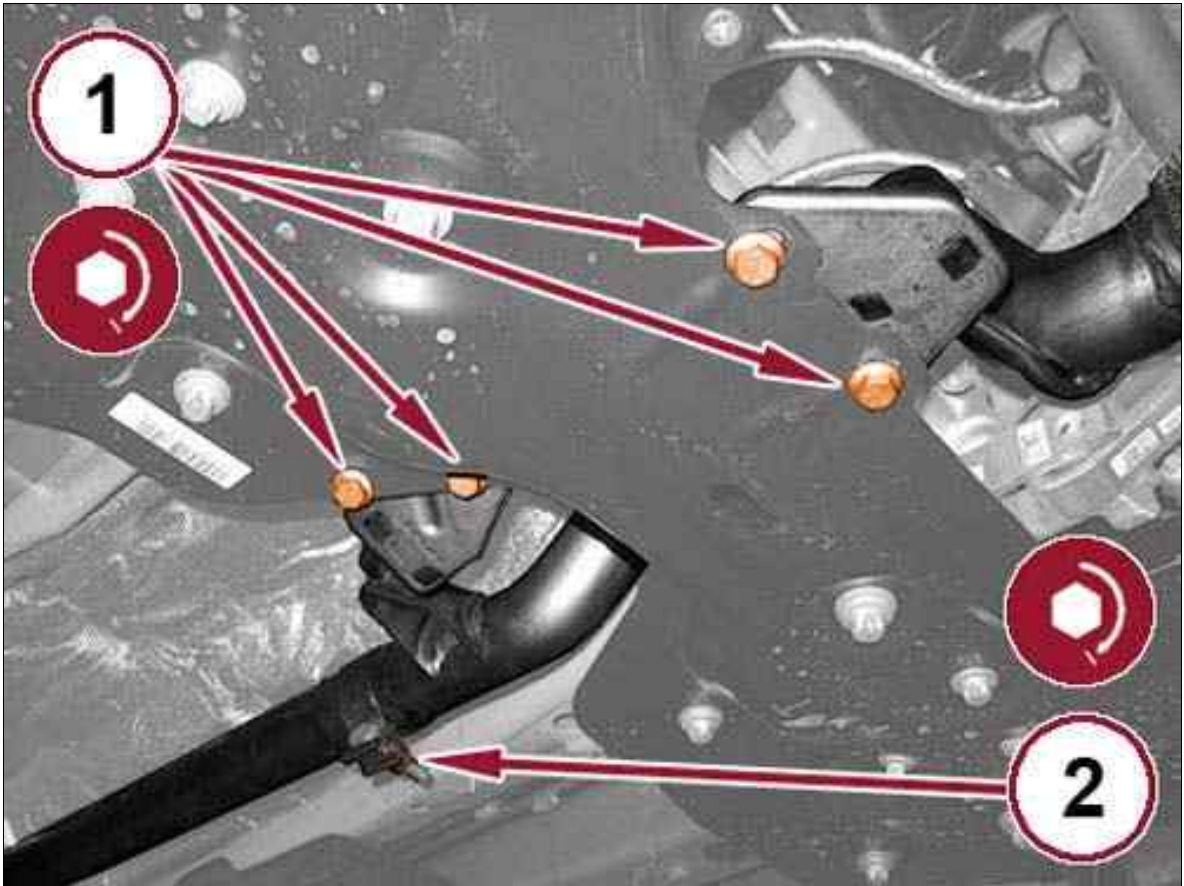
Fig 4: Exhaust Pipe Nuts & Exhaust Pipe Support Bracket Bolt



Courtesy of CHRYSLER GROUP, LLC

6. Connect the exhaust pipe to the DPF, using a new gasket and tighten the nuts (1) to the proper torque specification. Refer to SPECIFICATIONS .
7. Install the exhaust pipe support bracket bolt (2) and tighten screw to the to the proper torque specification. Refer to SPECIFICATIONS .

Fig 5: Exhaust Pipe Support Bracket To Suspension Crossmember Bolts



Courtesy of CHRYSLER GROUP, LLC

8. Install the exhaust pipe support bracket to suspension crossmember bolts (1) and tighten to the proper torque specification. Refer to SPECIFICATIONS .
9. Tighten the nut on the clamp connecting the pipes to the proper torque specification. Refer to SPECIFICATIONS .

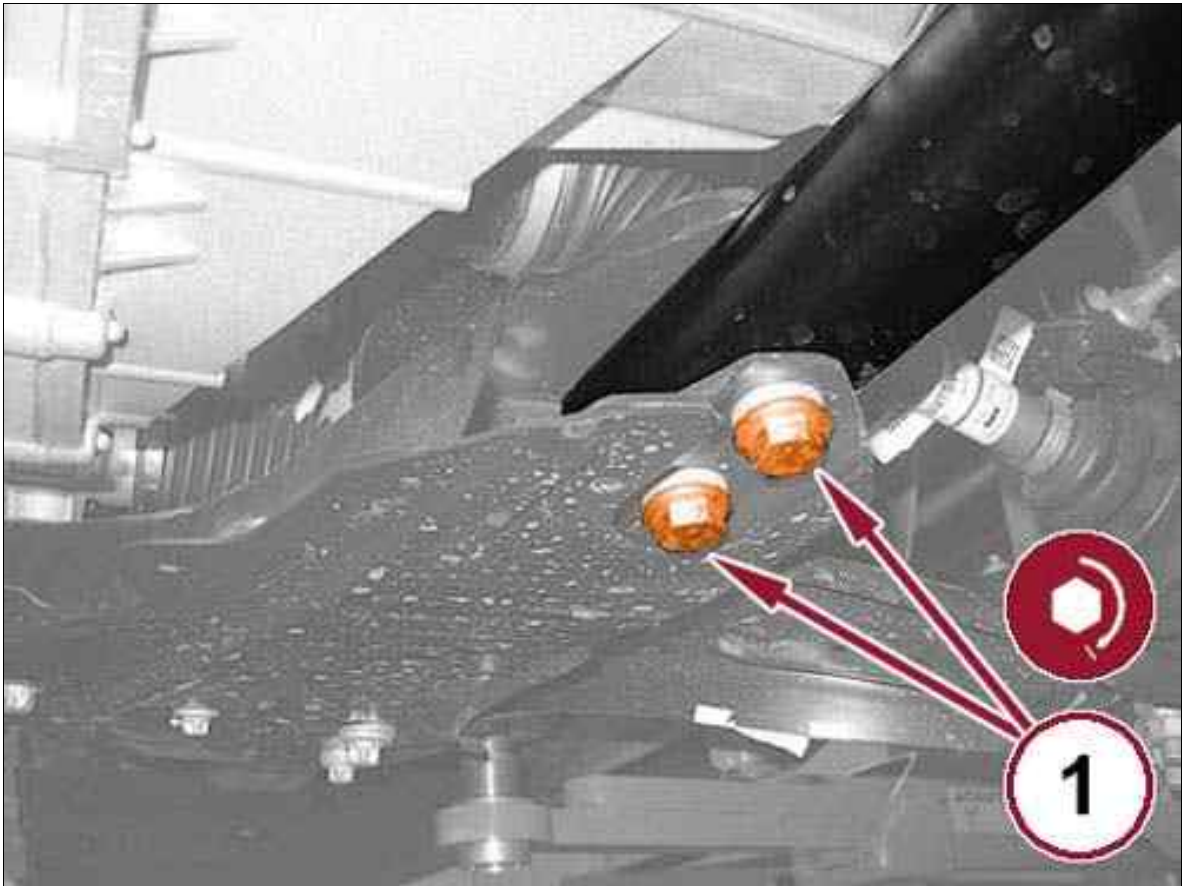
Fig 6: Stabilizer Link To Shock And Nut



Courtesy of CHRYSLER GROUP, LLC

10. Connect the left stabilizer link to shock and tighten the nut to the proper torque specification. Refer to SPECIFICATIONS .
11. On the right side, do the same to connect the stabilizer bar link.

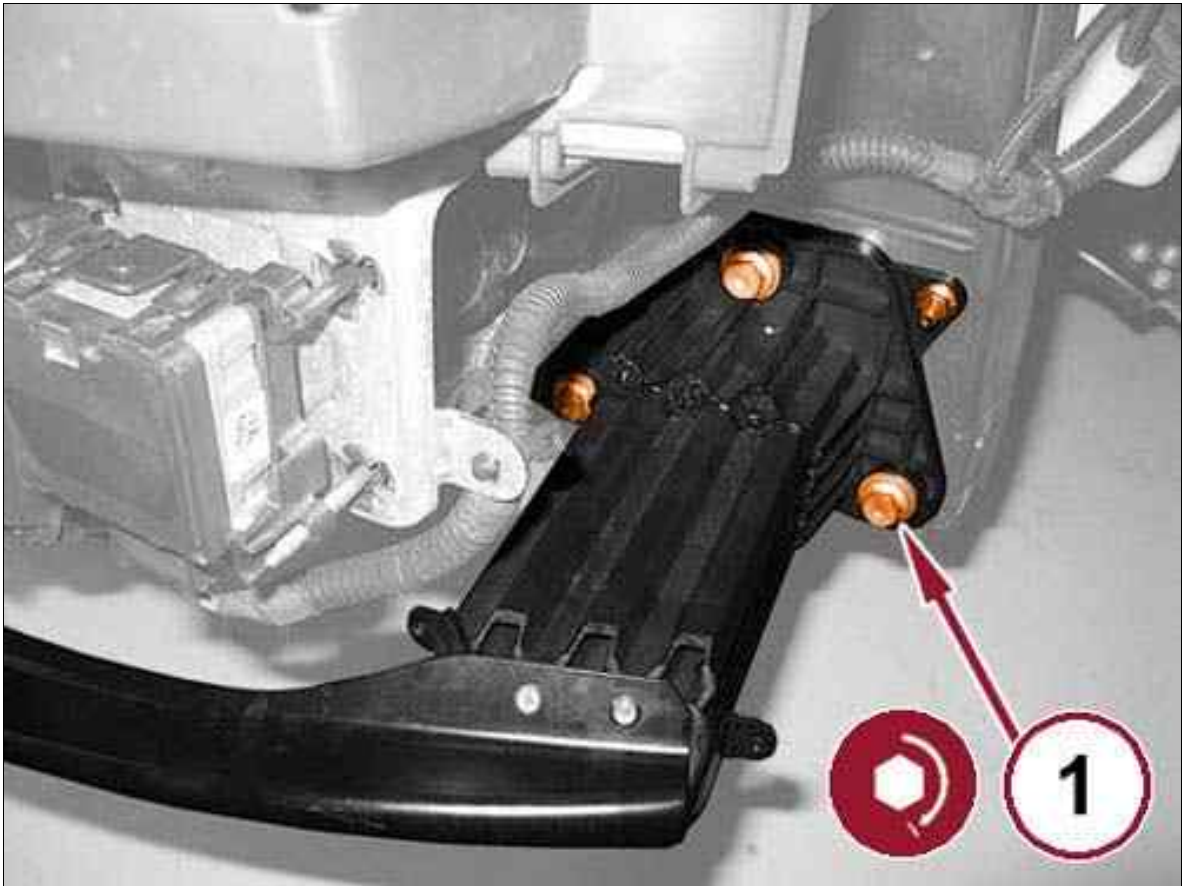
Fig 7: Lower Load Beam And Bolts



Courtesy of CHRYSLER GROUP, LLC

12. Put into place the left side lower load beam and tighten the bolts (1) to the proper torque specification. Refer to SPECIFICATIONS .

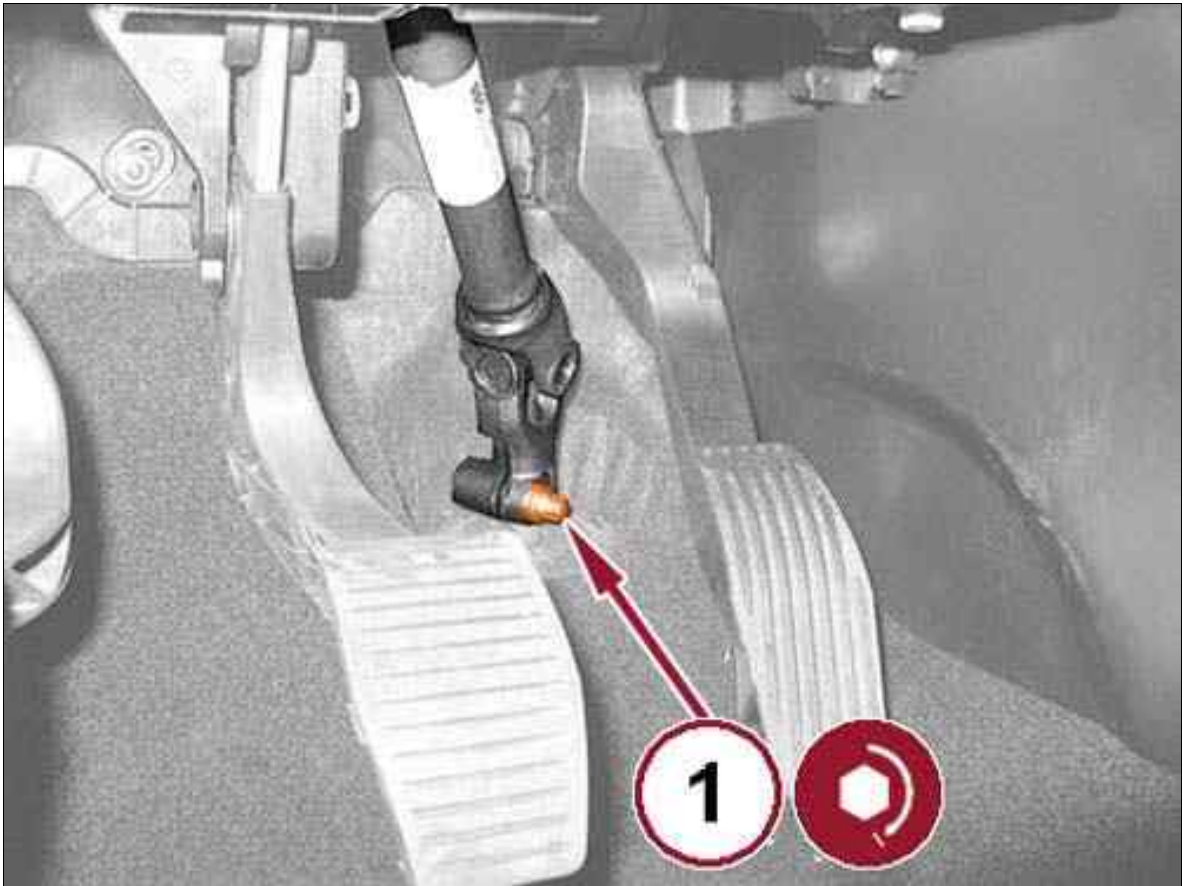
Fig 8: Load Beam Extension Mounting Bolts



Courtesy of CHRYSLER GROUP, LLC

13. Put into place the left side reinforcement bracket and tighten the bolts to the proper torque specification. Refer to SPECIFICATIONS .
14. Tighten the load beam extension mounting bolts (1) to the proper torque specification. Refer to SPECIFICATIONS .

Fig 9: Steering Column To Pinion Steering Box Screw



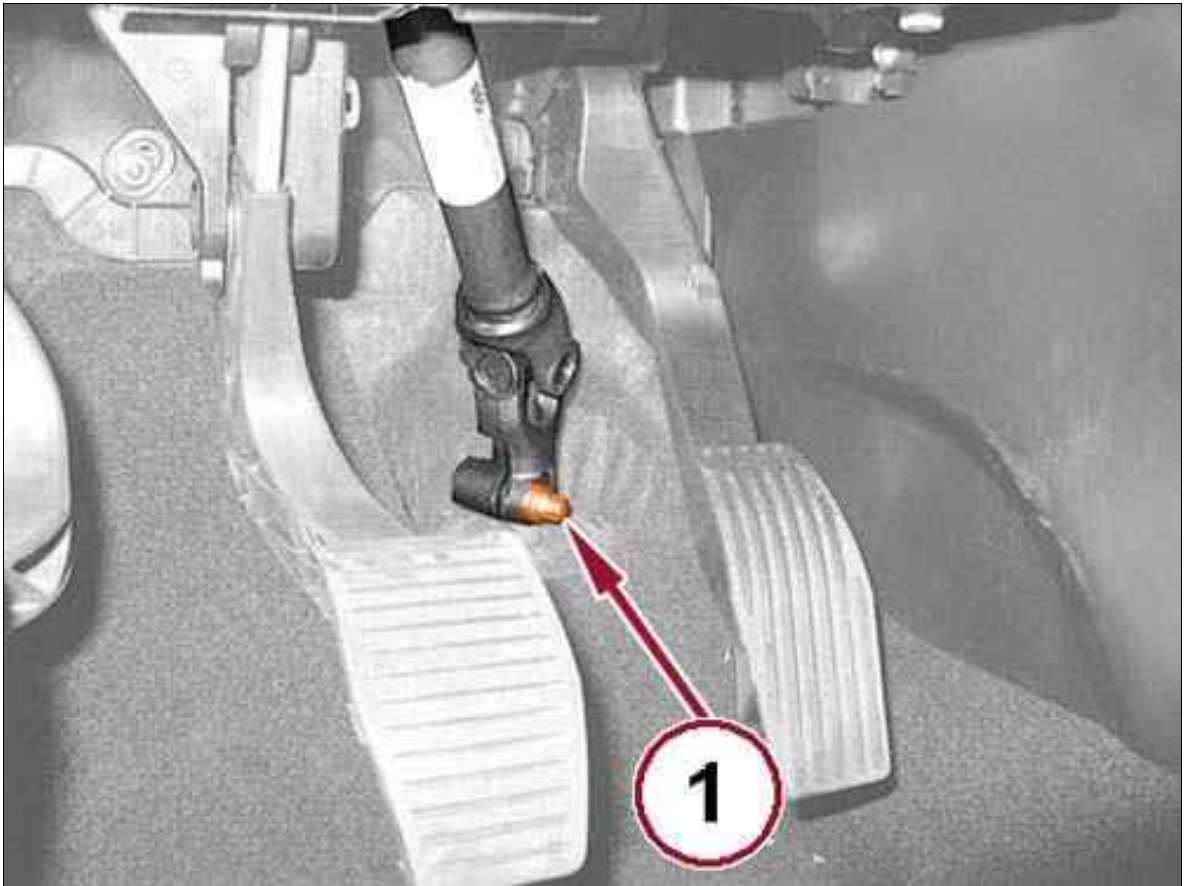
Courtesy of CHRYSLER GROUP, LLC

15. On the right side, proceed similarly for the reattachment of the lower load beam, reinforcement bracket and load beam extension.
16. Install and tighten a new bolt (1) for steering column to the pinion steering box to the proper torque specification. Refer to SPECIFICATIONS .
17. Install the front fascia. Refer to FASCIA, FRONT, REMOVAL AND INSTALLATION .
18. Install the engine belly pan. Refer to BELLY PAN, REMOVAL AND INSTALLATION or BELLY PAN, SIDE, REMOVAL AND INSTALLATION .
19. Remove the vehicle from the lift.

PIPE, EXHAUST > REMOVAL AND INSTALLATION > 2.0L DIESEL 170CV > REMOVAL

1. Raise and support the vehicle. Refer to HOISTING, STANDARD PROCEDURE .
2. Remove the engine belly pan. Refer to BELLY PAN, REMOVAL AND INSTALLATION or BELLY PAN, SIDE, REMOVAL AND INSTALLATION .
3. Remove the front fascia. Refer to FASCIA, FRONT, REMOVAL AND INSTALLATION .

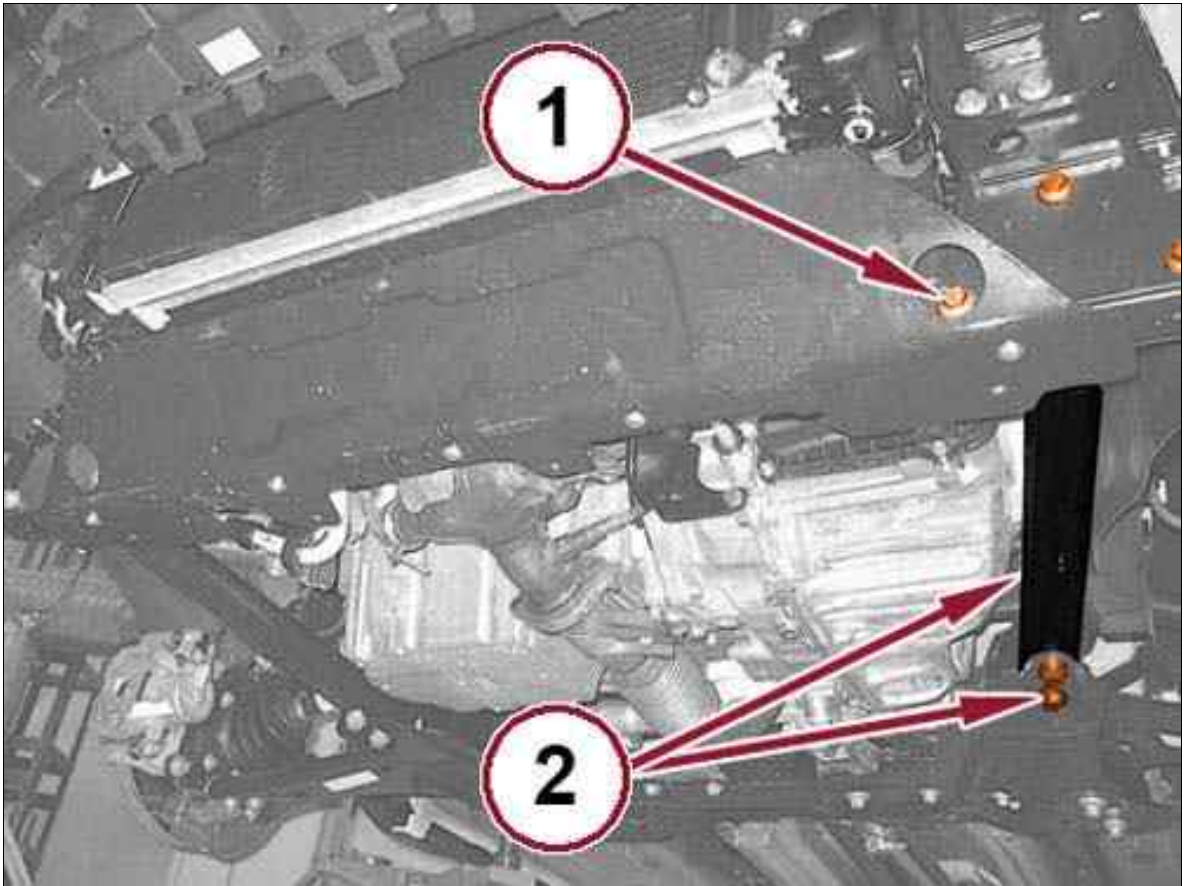
Fig 1: Steering Column To Pinion Steering Box Screw



Courtesy of CHRYSLER GROUP, LLC

4. Unscrew the screw (1) securing the steering column to the pinion steering box.

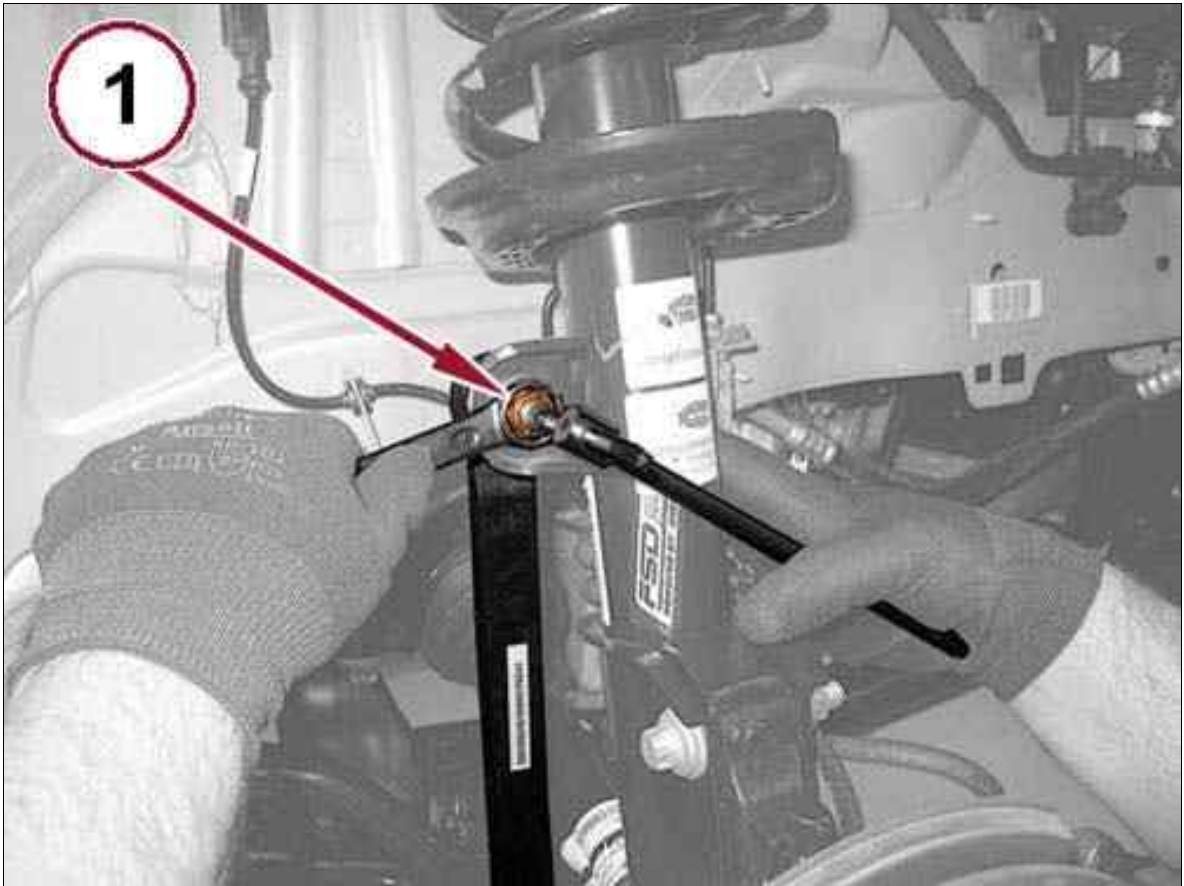
Fig 2: Front Lower Load Beam Bolt



Courtesy of CHRYSLER GROUP, LLC

5. Unscrew the front lower load beam bolt (1).
6. On the right side, proceed similarly for the removal of the front lower load beam bolt.
7. Unscrew the screws (2) and remove the lower load beam left side.
8. On the right side, do the same for the removal of the lower load beam.

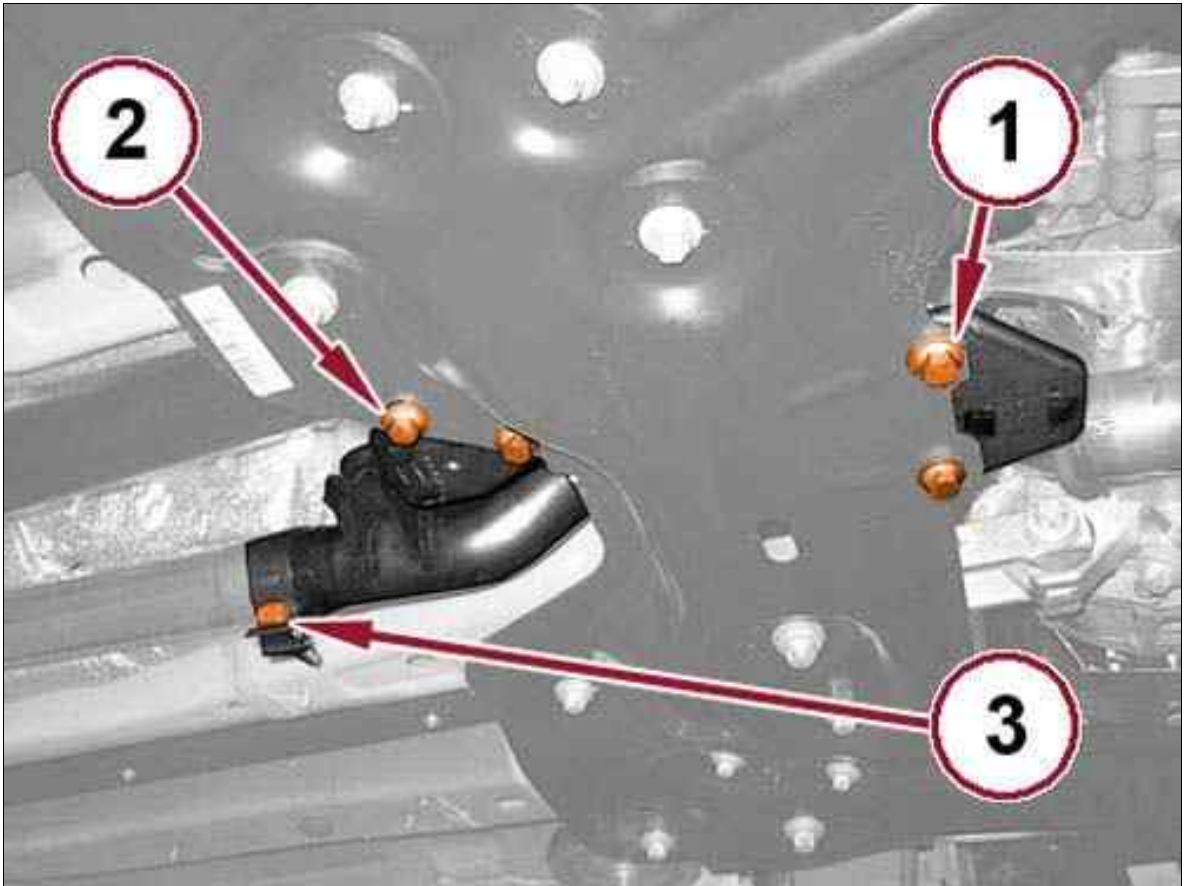
Fig 3: Stabilizer Bar Link & Nut



Courtesy of CHRYSLER GROUP, LLC

9. Holding the stem of the link, loosen the fixing nut (1) from left stabilizer bar link and disconnect it from the shock.
10. On the left side, proceed similarly to disconnect the stabilizer bar link.

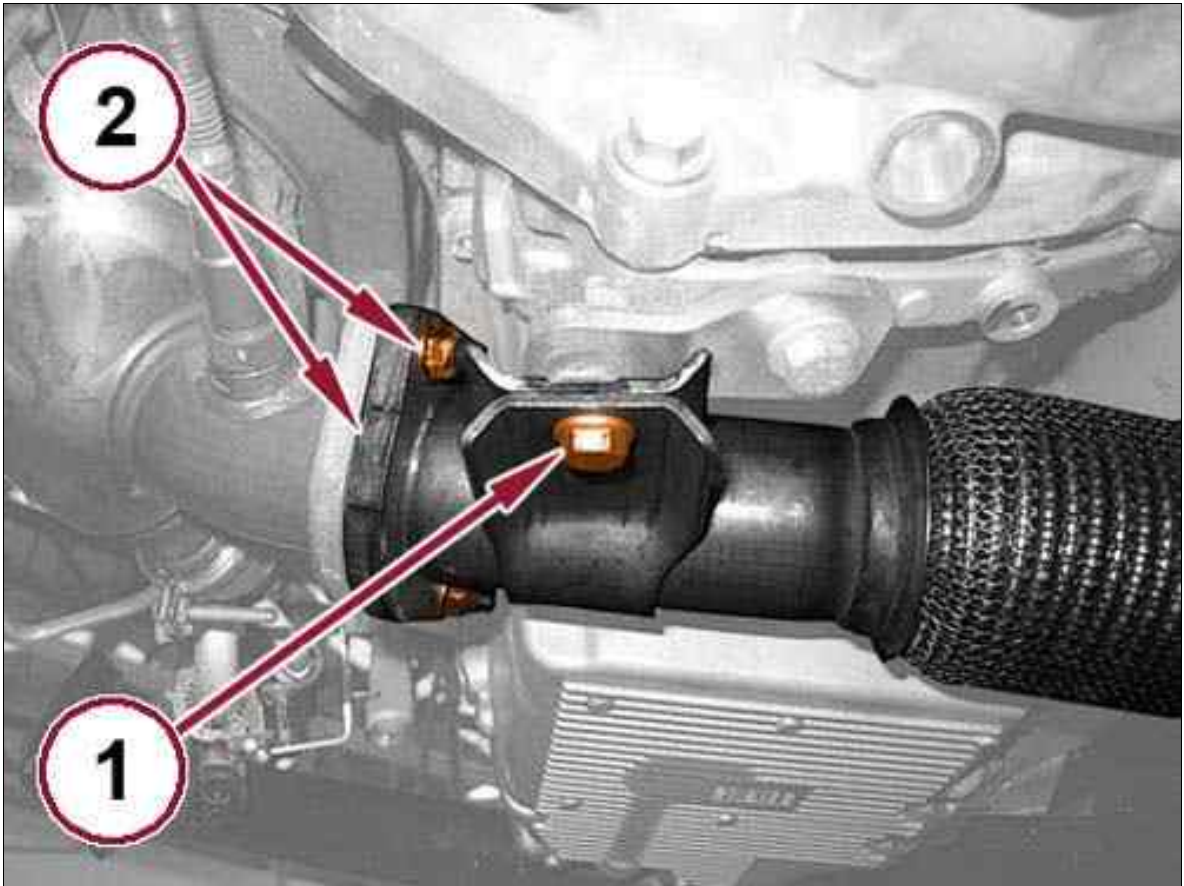
Fig 4: Screws & Nut



Courtesy of CHRYSLER GROUP, LLC

11. Unscrew the fixing screws (1) of the front bracket supporting the exhaust pipe.
12. Remove the screws (2) fixing the rear bracket supporting the exhaust pipe.
13. Unscrew the nut (3) and loosen the clamp connecting the exhaust pipe.

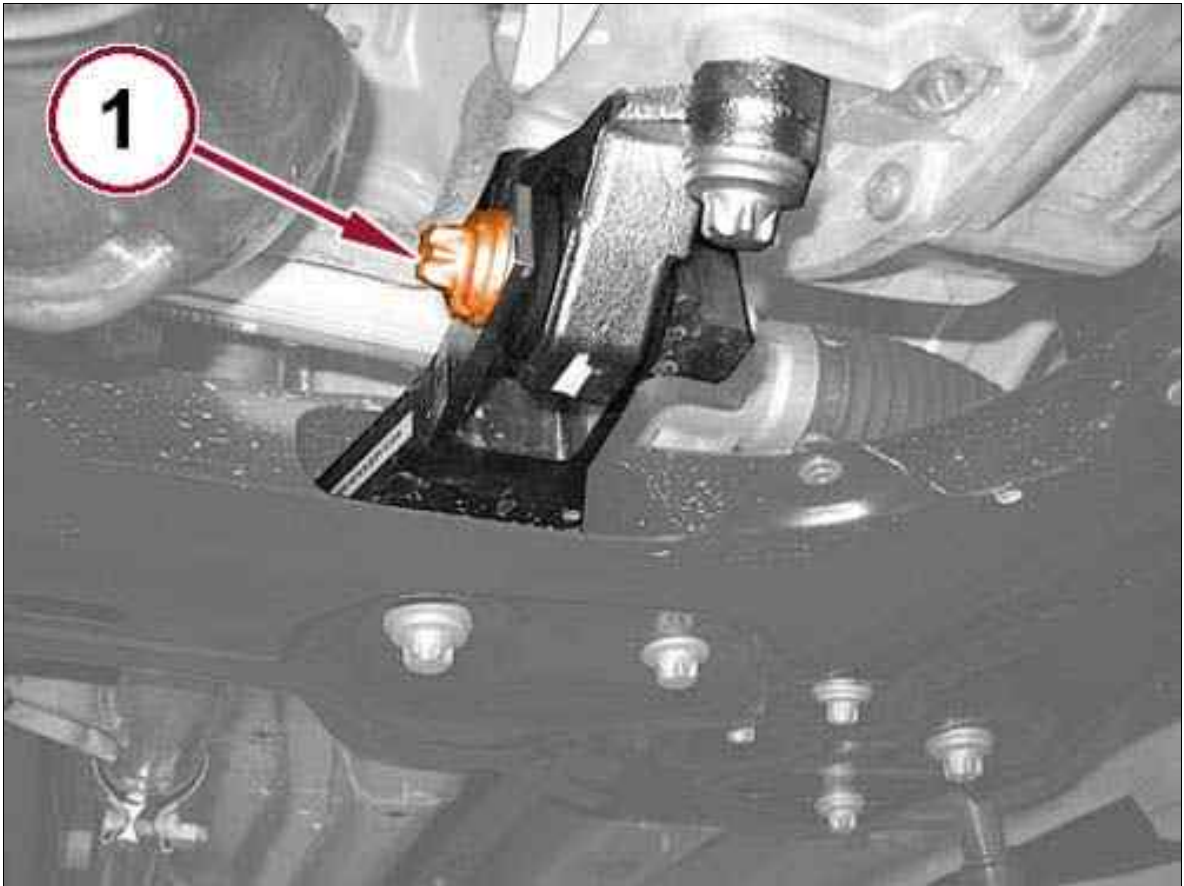
Fig 5: Clamp & Nuts



Courtesy of CHRYSLER GROUP, LLC

14. Unscrew the screw clamp (1) support the exhaust pipe to the engine oil sump.
15. Unscrew the nuts (2) and disengage the exhaust pipe from the catalytic converter.
16. Remove the gasket.

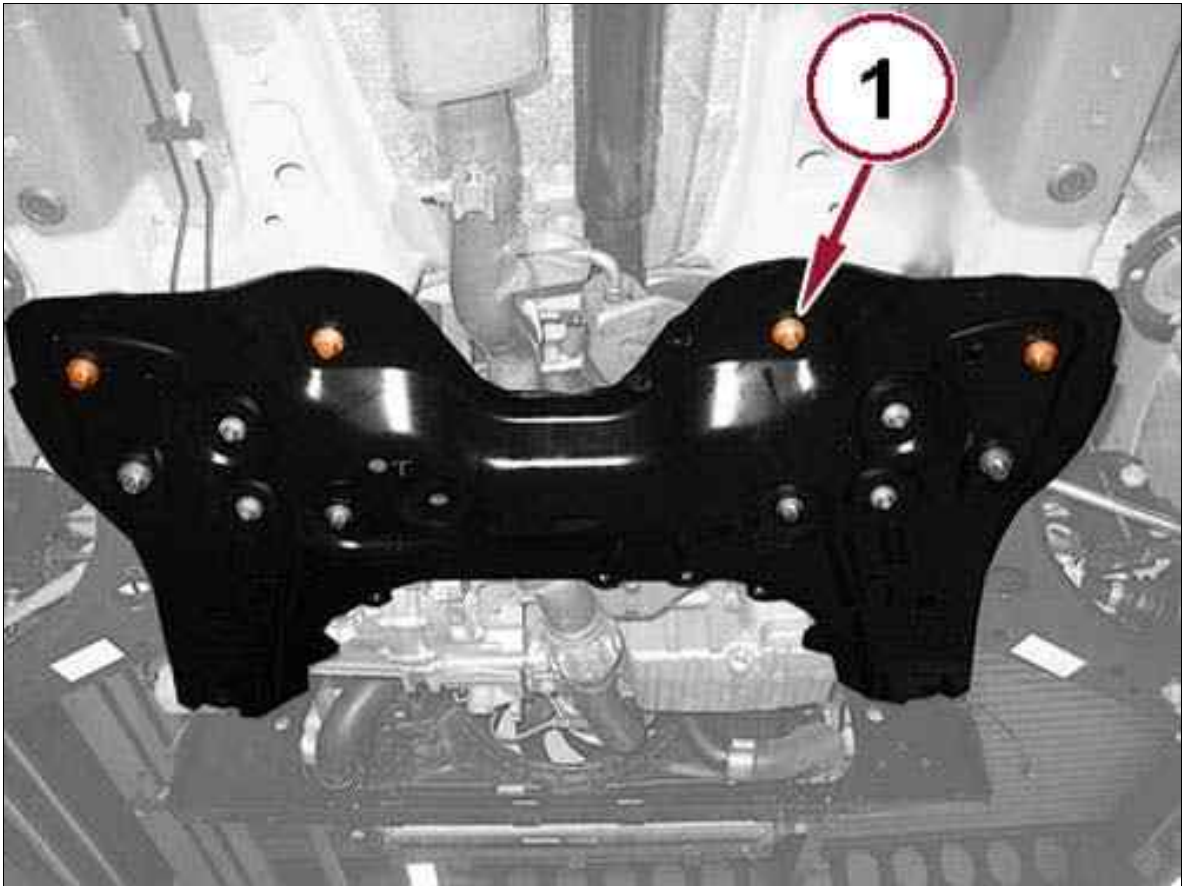
Fig 6: Rear Engine Mount Isolator To Bracket Bolt



Courtesy of CHRYSLER GROUP, LLC

17. Remove the rear engine mount isolator to bracket bolt.
18. Place a suitable hydraulic lift under the crossmember of the suspension.

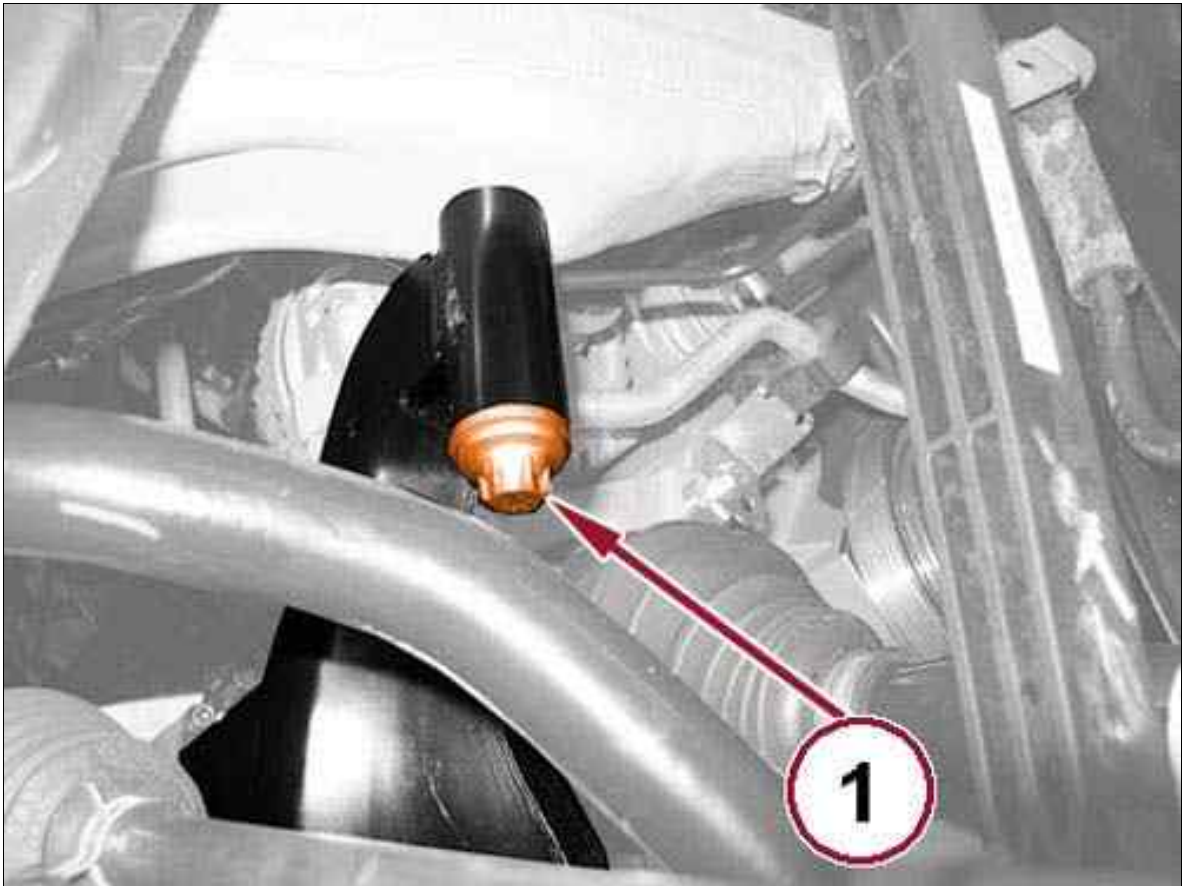
Fig 7: Suspension Crossmember To Body Bolts



Courtesy of CHRYSLER GROUP, LLC

19. Remove the screws securing the rear of the suspension crossmember to the body.

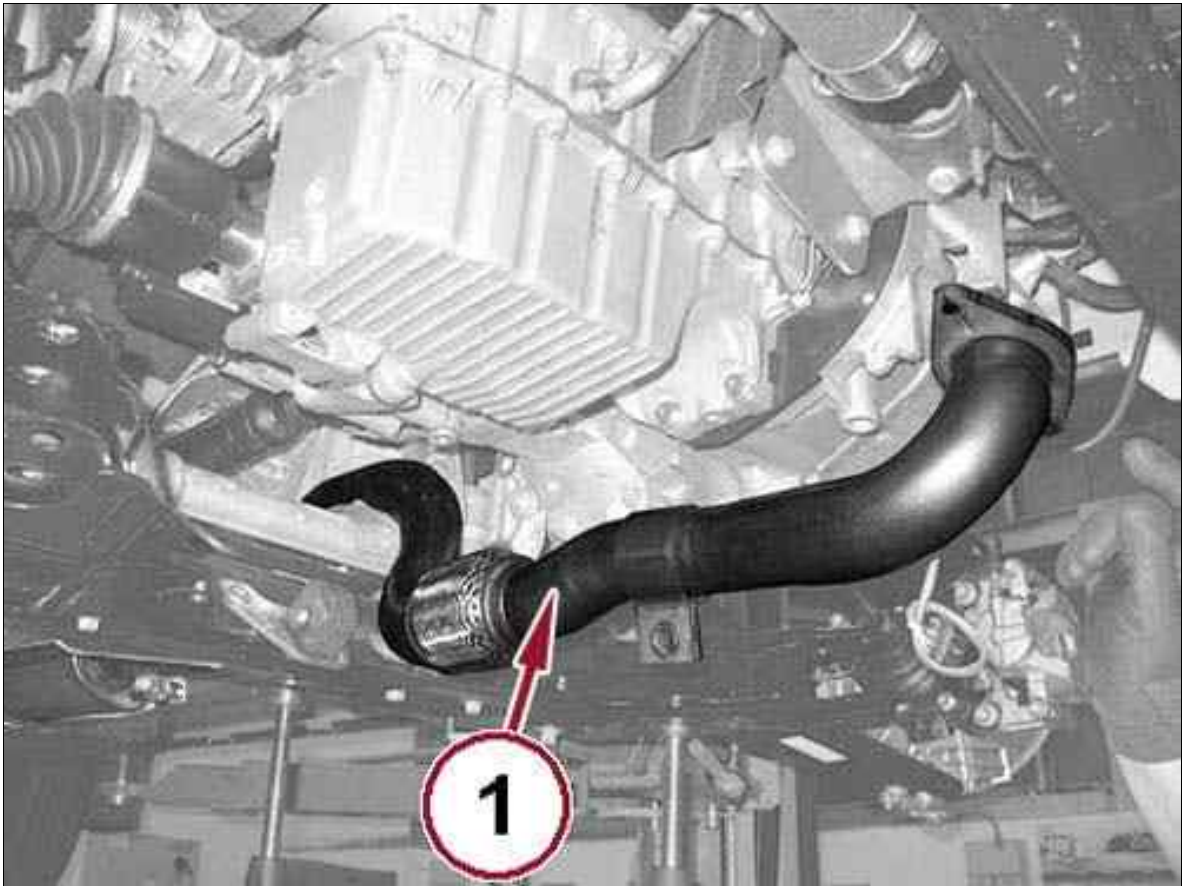
Fig 8: Crossmember Fixing Screws



Courtesy of CHRYSLER GROUP, LLC

20. Unscrew the crossmember fixing screws (1) from the left and right side panels.

Fig 9: Crossmember Fixing Screws



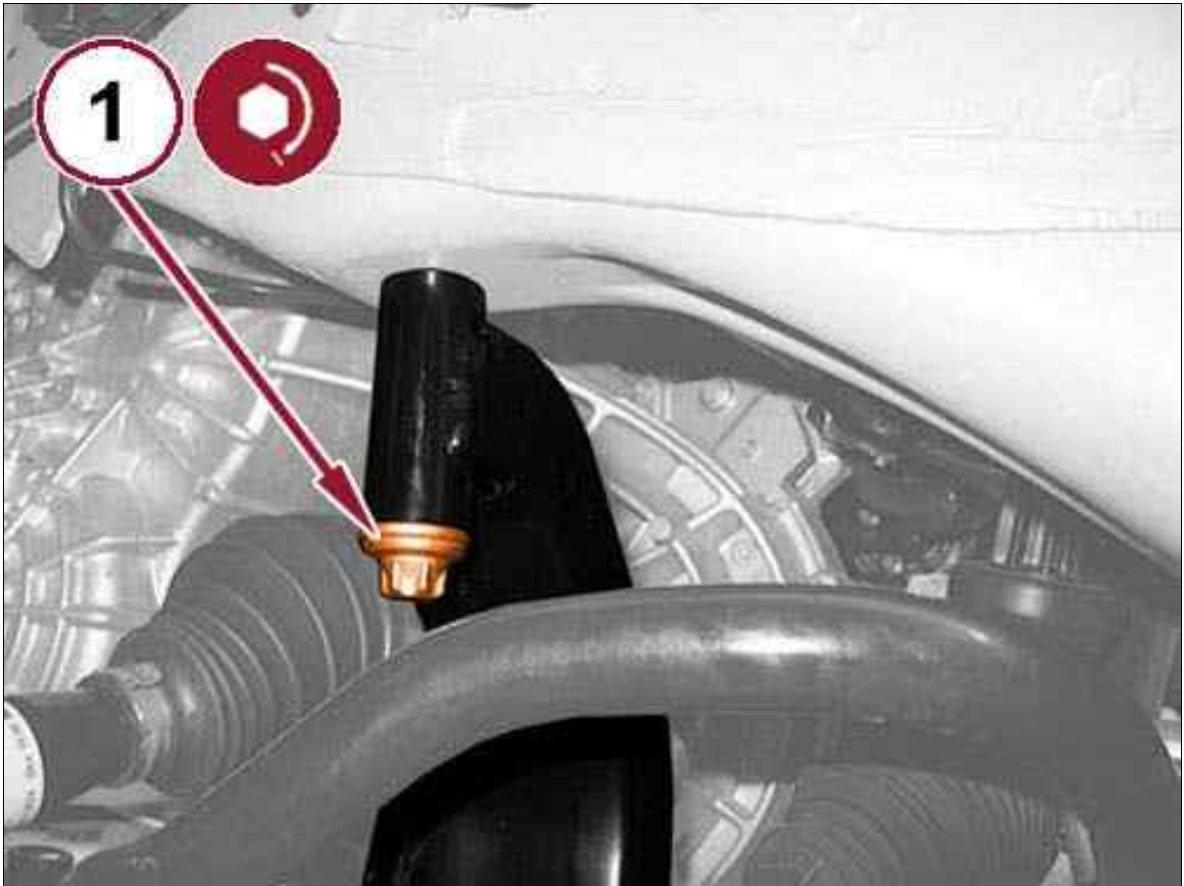
Courtesy of CHRYSLER GROUP, LLC

21. Act on the hydraulic lift to lower the crossmember and remove the crossmember fixing screws (1) with front flex pipe from the exhaust silencer front.

PIPE, EXHAUST > REMOVAL AND INSTALLATION > 2.0L DIESEL 170CV > INSTALLATION

1. Put into place the exhaust pipe with front flex pipe and connect it to the exhaust silencer front.

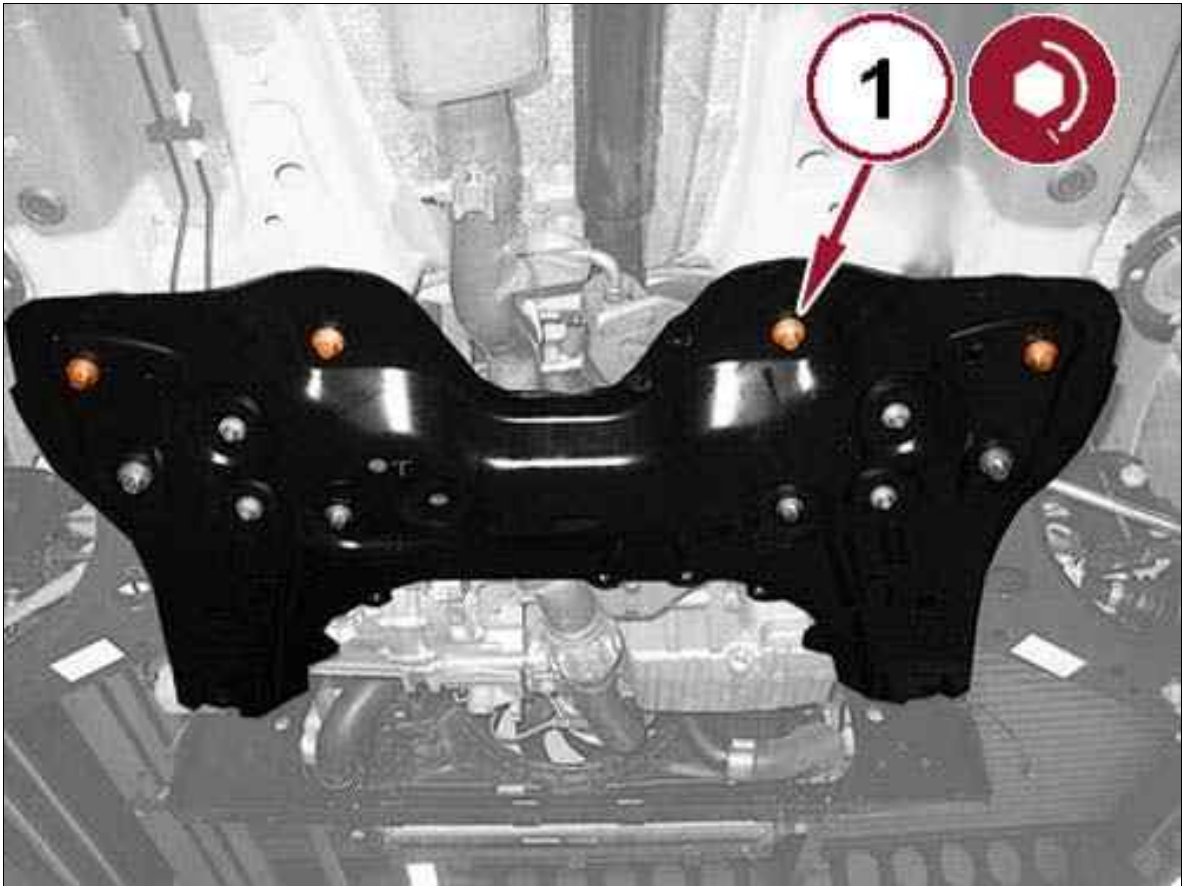
Fig 1: Side Panel Mounting Screws



Courtesy of CHRYSLER GROUP, LLC

2. Using a hydraulic lift put into place the crossmember of the suspension and tighten the mounting screws (1) to the left and right side panels to the proper torque specification. Refer to SPECIFICATIONS .

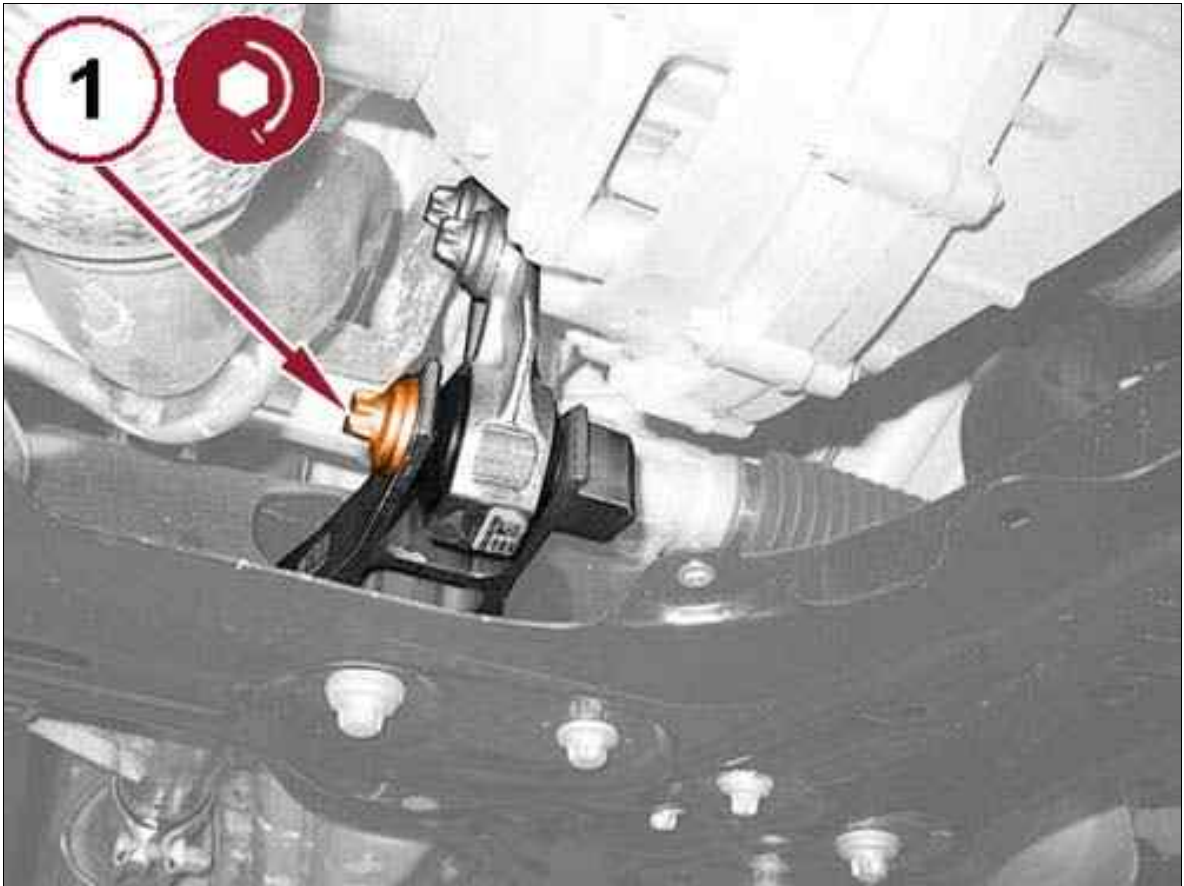
Fig 2: Suspension Crossmember Screws



Courtesy of CHRYSLER GROUP, LLC

3. Tighten the screws (1) fixing rear of the suspension crossmember to the proper torque specification. Refer to SPECIFICATIONS .
4. Remove the hydraulic lift.

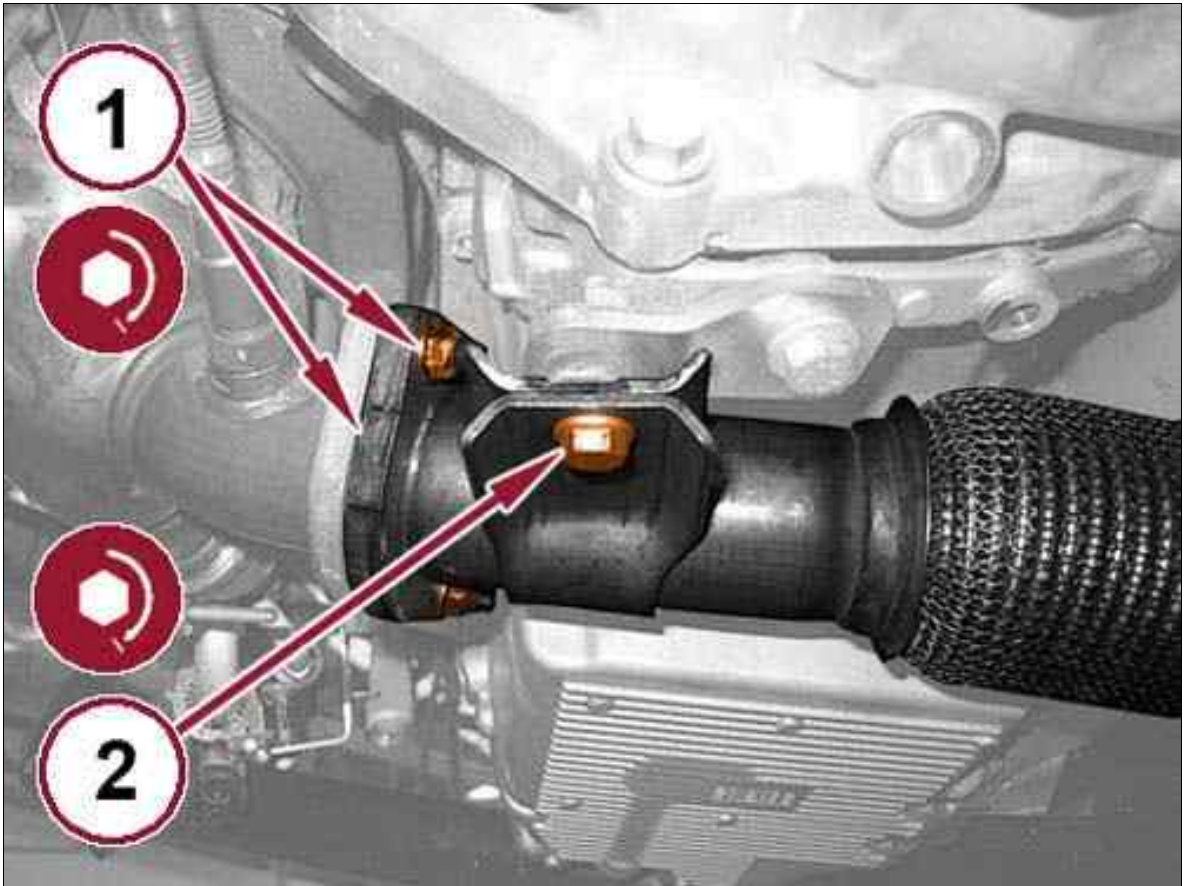
Fig 3: Rear Engine Mount Isolator To Bracket Bolt



Courtesy of CHRYSLER GROUP, LLC

5. Install the rear engine mount isolator to bracket bolt (1) to the proper torque specification.
Refer to SPECIFICATIONS .

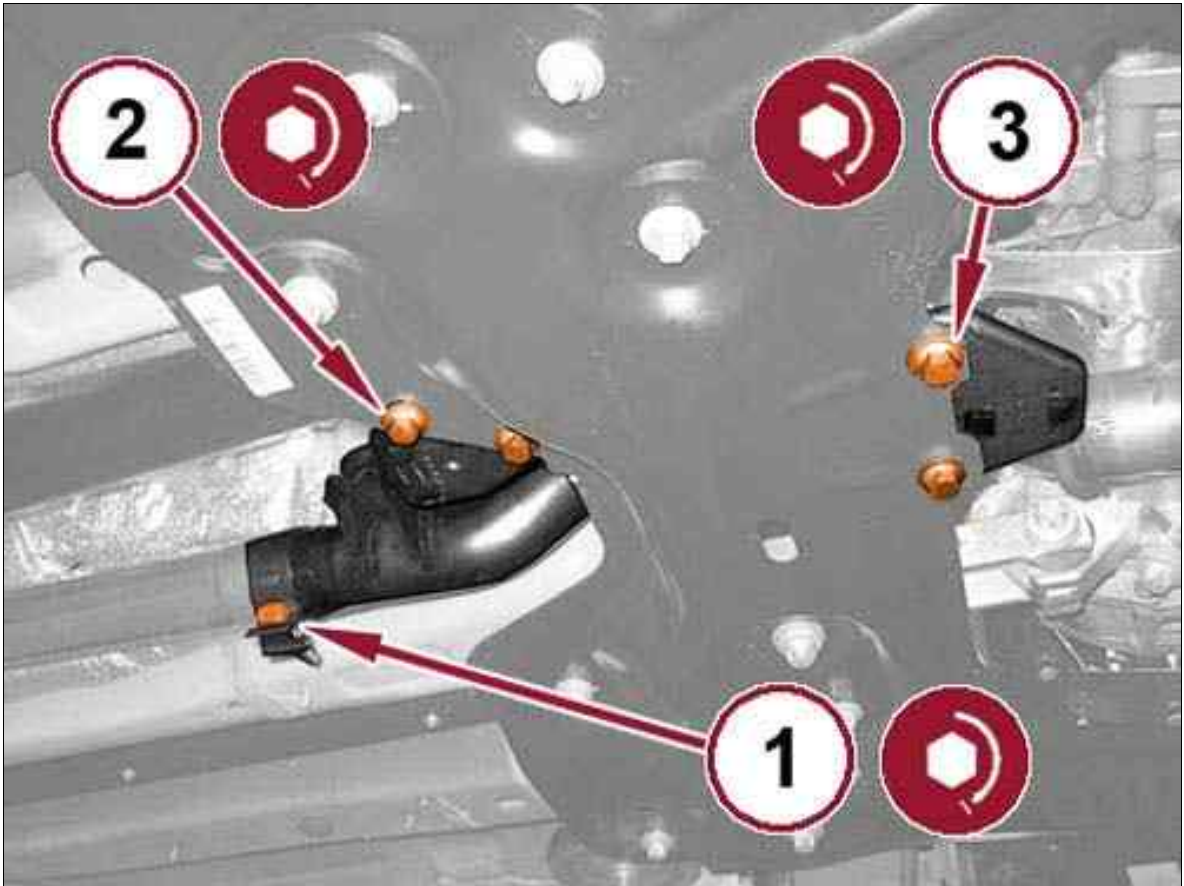
Fig 4: Screw Clamp & Nuts



Courtesy of CHRYSLER GROUP, LLC

6. Connect the exhaust pipe to the catalytic converter, complete with new gasket and tighten the new nuts (1) to the proper torque specification. Refer to SPECIFICATIONS .
7. Tighten the screw clamp (2) to support the exhaust pipe to the engine oil sump to the proper torque specification. Refer to SPECIFICATIONS .

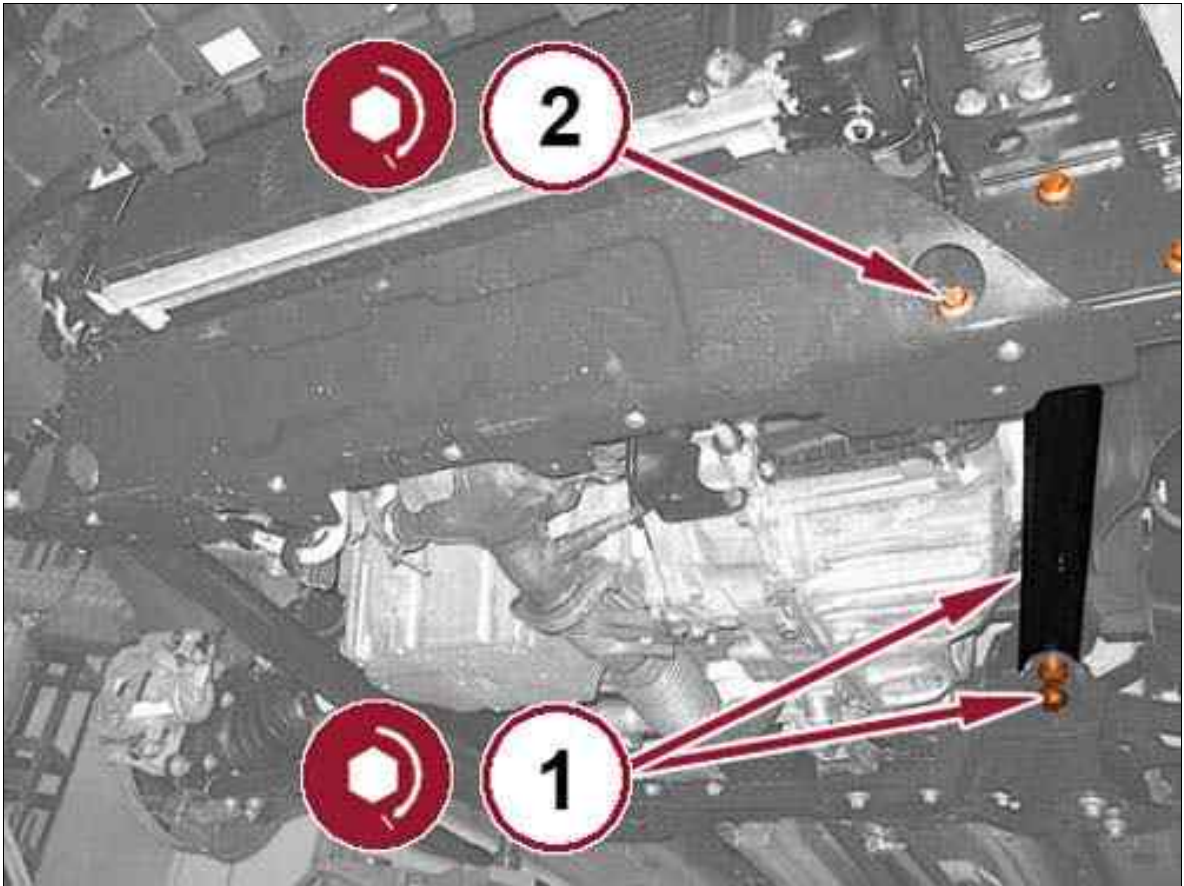
Fig 5: Nut, Clamp, & Screws



Courtesy of CHRYSLER GROUP, LLC

8. Tighten the nut clamp (1) connecting the exhaust pipe to the proper torque specification. Refer to SPECIFICATIONS .
9. Tighten the fastening screws (2) of the rear bracket supporting the exhaust pipe to the proper torque specification. Refer to SPECIFICATIONS .
10. Tighten the fastening screws (3) of the front bracket for supporting the exhaust pipe to the proper torque specification. Refer to SPECIFICATIONS .
11. Connect the right stabilizer link to shock and tighten the nut to the proper torque specification. Refer to FRONT, SPECIFICATIONS .
12. On the left side, do the same to connect the stabilizer bar link.

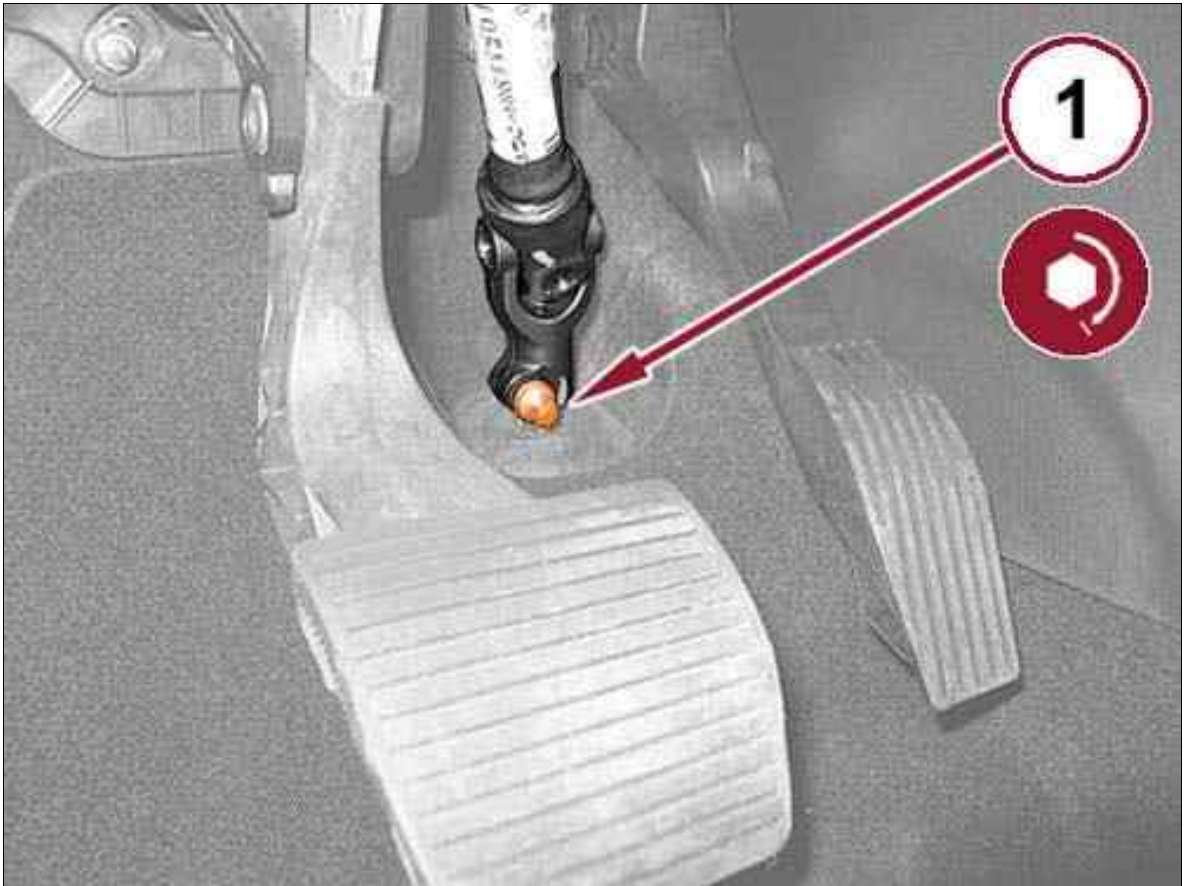
Fig 6: Lower Load Beam & Screws



Courtesy of CHRYSLER GROUP, LLC

13. Put into place the left lower load beam (1) and tighten the screws to the proper torque specification. Refer to SPECIFICATIONS .
14. Tighten the bolt (2) at the front of the lower load beam to the proper torque specification. Refer to SPECIFICATIONS .
15. On the right side, proceed similarly for the reattachment of the lower load beam.

Fig 7: Steering Column To Pinion Steering Box Screw



Courtesy of CHRYSLER GROUP, LLC

16. Tighten the new screw (1) steering column to the pinion steering box to the proper torque specification. Refer to SPECIFICATIONS .
17. Install the front fascia. Refer to FASCIA, FRONT, REMOVAL AND INSTALLATION .
18. Install the engine belly pan. Refer to BELLY PAN, REMOVAL AND INSTALLATION or BELLY PAN, SIDE, REMOVAL AND INSTALLATION .

Remove the vehicle from the lift.

SENSOR, DIFFERENTIAL PRESSURE > REMOVAL AND INSTALLATION > 1.6L AND 2.0L > REMOVAL



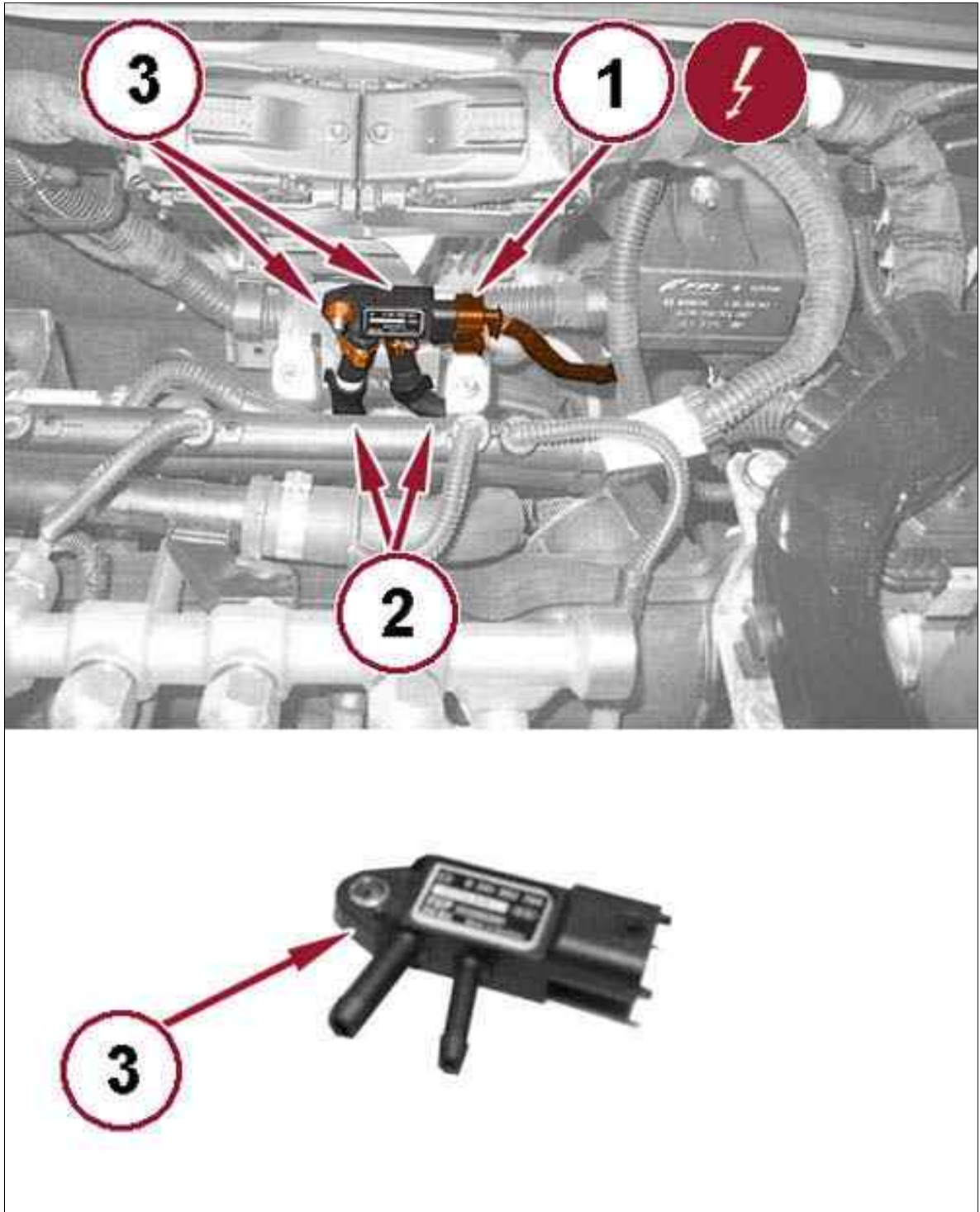
NOTE:

It is necessary to restore operations using the diagnostic tool when replacing the DPF differential pressure sensor.

1. Disconnect and isolate the negative battery cable.

2. Remove the engine beauty cover. Refer to COVER, ENGINE, REMOVAL AND INSTALLATION for 1.6L/2.0L Diesel, COVER, ENGINE, REMOVAL AND INSTALLATION for 1.4L or COVER, ENGINE, REMOVAL AND INSTALLATION for 2.4L.

Fig 1: Differential Pressure Sensor, Electrical Connection & Hoses



Courtesy of CHRYSLER GROUP, LLC

3. Disconnect the electrical connection (1) from the differential pressure sensor.
4. Loosen the clamps and disconnect the hoses (2) from the differential pressure sensor.

5. Remove the nut and remove the differential pressure sensor (3).

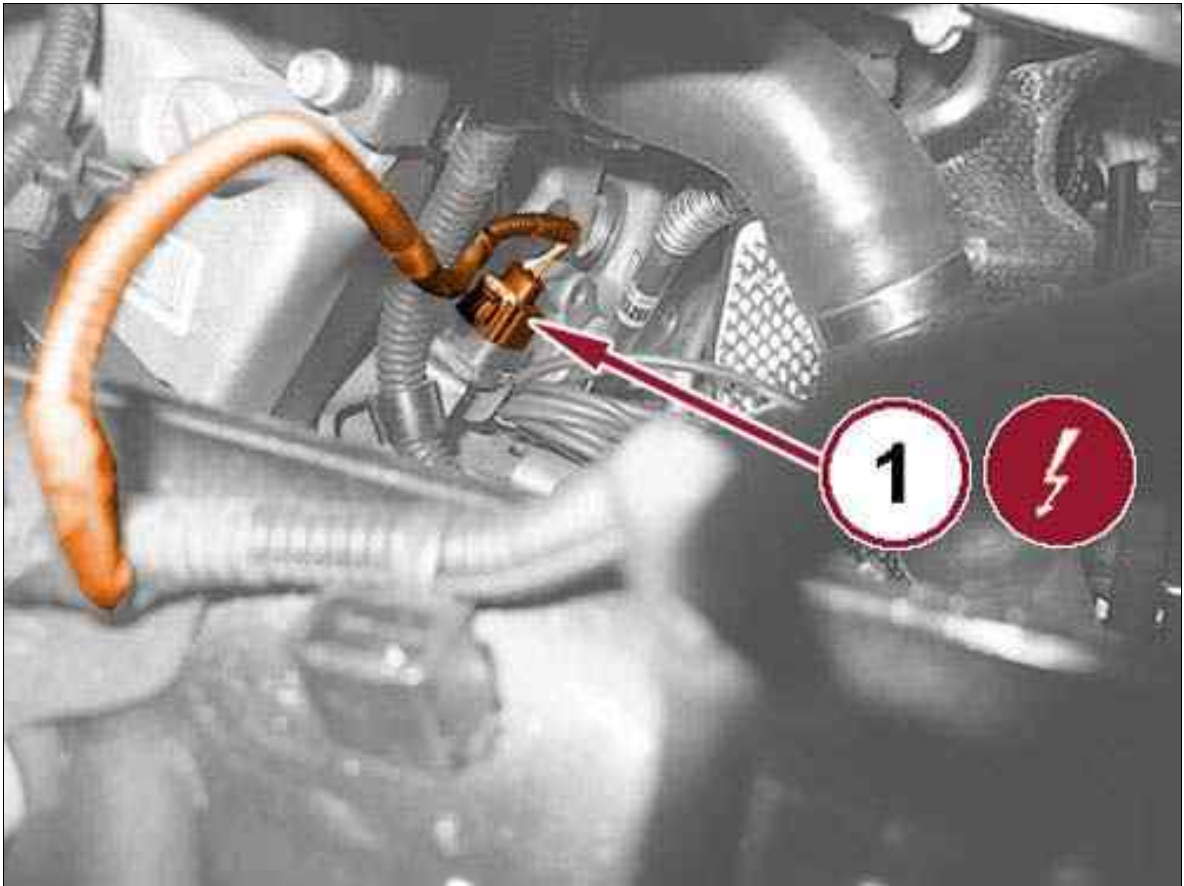
SENSOR, DIFFERENTIAL PRESSURE > REMOVAL AND INSTALLATION > 1.6L AND 2.0L > INSTALLATION

1. Connect the hoses to the differential pressure sensor and tighten the clamps.
2. Install the differential pressure sensor and tighten the nut.
3. Connect the differential pressure sensor electrical connector.
4. Install the engine beauty cover. Refer to COVER, ENGINE, REMOVAL AND INSTALLATION for 1.6L/2.0L Diesel, COVER, ENGINE, REMOVAL AND INSTALLATION for 1.4L or COVER, ENGINE, REMOVAL AND INSTALLATION for 2.4L.
5. Connect the negative battery cable.

SENSOR, EXHAUST TEMPERATURE > REMOVAL AND INSTALLATION > EXHAUST TEMPERATURE SENSOR > 1.6L TURBO DIESEL REMOVAL

1. Raise and support the vehicle. Refer to HOISTING, STANDARD PROCEDURE .
2. Remove the right front wheel and splash shield. Refer to SHIELD, SPLASH, FRONT WHEELHOUSE, REMOVAL AND INSTALLATION .

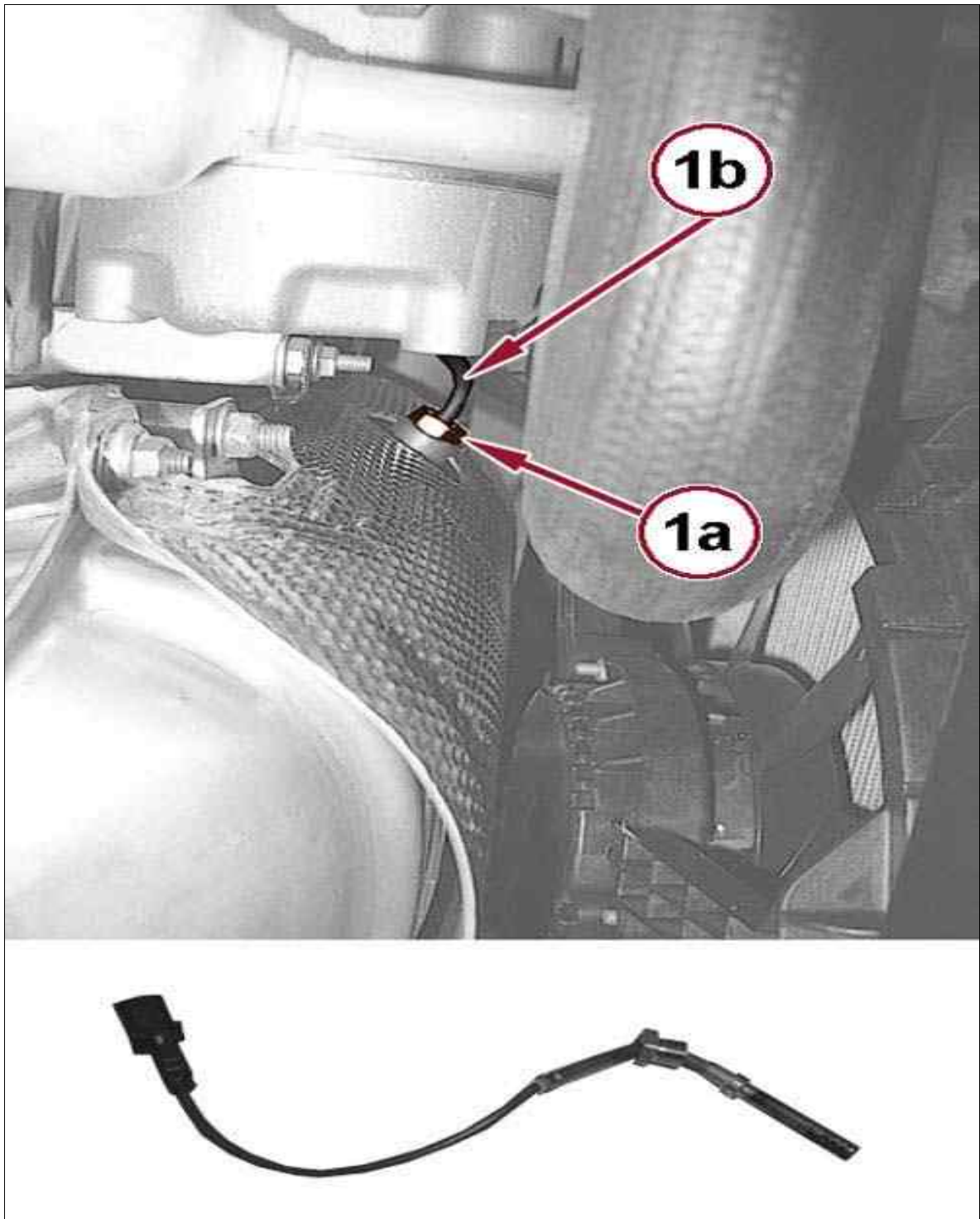
Fig 1: Exhaust Temperature Sensor Electrical Connector



Courtesy of CHRYSLER GROUP, LLC

3. Disconnect the exhaust temperature sensor electrical connector (1).

Fig 2: Temperature Sensor & Fitting

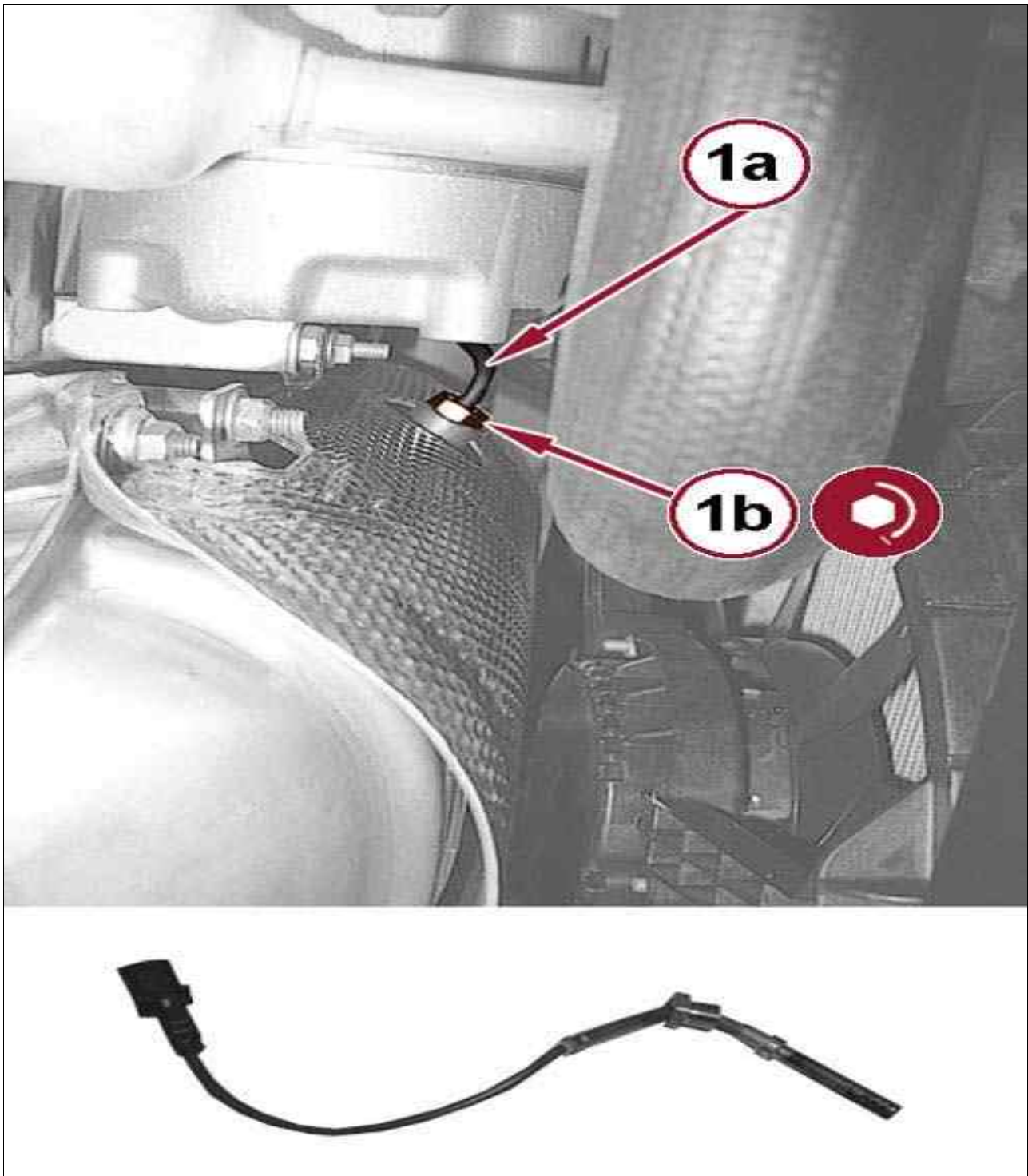


Courtesy of CHRYSLER GROUP, LLC

4. Remove the fitting (1a) and remove the temperature sensor (1b).

SENSOR, EXHAUST TEMPERATURE > REMOVAL AND INSTALLATION > EXHAUST TEMPERATURE SENSOR > 1.6L TURBO DIESEL INSTALLATION

Fig 1: Exhaust Gas Particulate Filter & Fitting



Courtesy of CHRYSLER GROUP, LLC

1. Install the exhaust temperature sensor to the exhaust gas particulate filter (1a) and tighten the fitting (1b) to the proper torque specification. Refer to SPECIFICATIONS .
2. Connect the electrical connector to the exhaust temperature sensor.
3. Install the right front splash shield and wheel. Refer to SHIELD, SPLASH, FRONT WHEELHOUSE, REMOVAL AND INSTALLATION .

4. Remove the vehicle from the lift.

SENSOR, EXHAUST TEMPERATURE > REMOVAL AND INSTALLATION > TURBO INLET TEMPERATURE SENSOR > REMOVAL

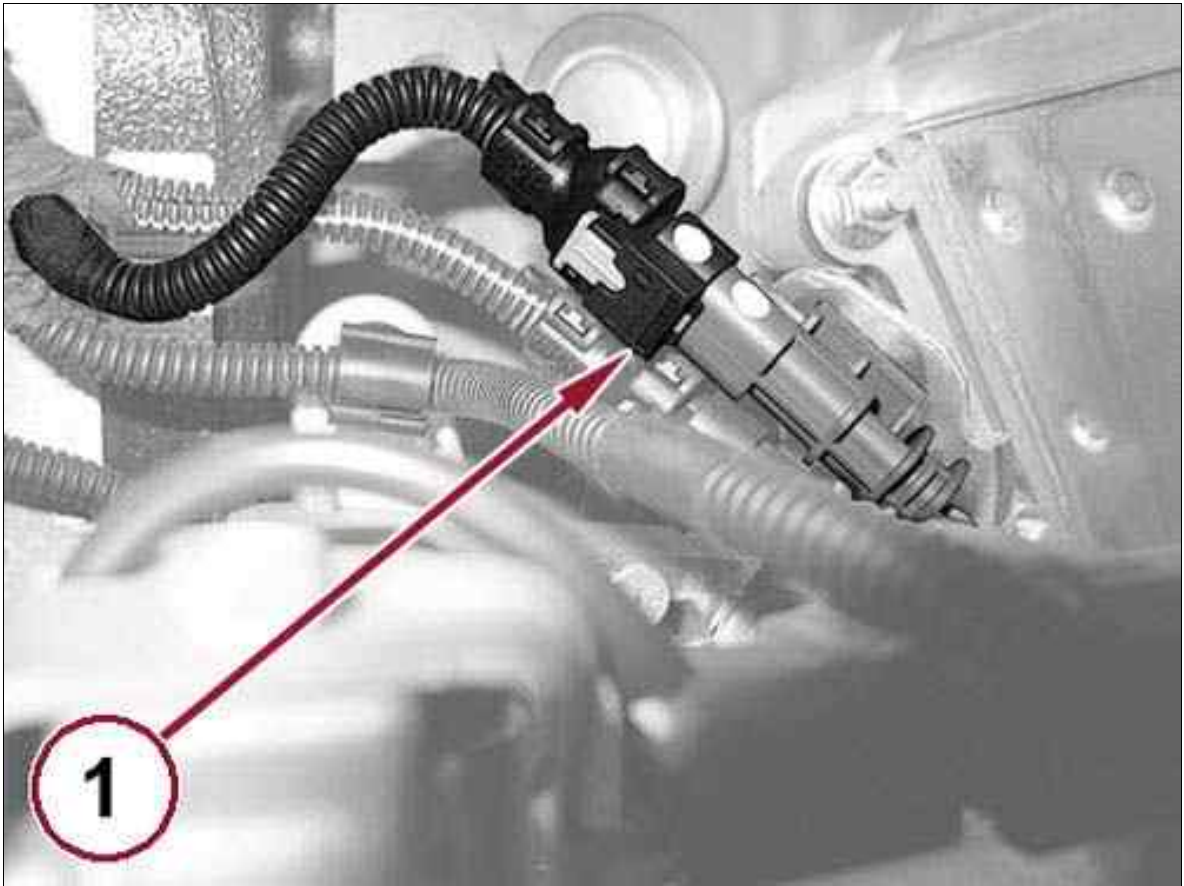


NOTE:

2.0L Turbo Diesel 170 CV

1. Remove the engine cover. Refer to COVER, ENGINE, REMOVAL AND INSTALLATION for 1.6L/2.0L Diesel, COVER, ENGINE, REMOVAL AND INSTALLATION for 1.4L or COVER, ENGINE, REMOVAL AND INSTALLATION for 2.4L.
2. Remove the front belly pan. Refer to BELLY PAN, REMOVAL AND INSTALLATION or BELLY PAN, SIDE, REMOVAL AND INSTALLATION .
3. Drain the engine coolant. Refer to STANDARD PROCEDURE .
4. Recover the refrigerant from the refrigerant system. Refer to PLUMBING, STANDARD PROCEDURE .
5. Remove the front fascia. Refer to FASCIA, FRONT, REMOVAL AND INSTALLATION .
6. Remove the radiator cooling fan. Refer to FAN, COOLING, REMOVAL AND INSTALLATION .
7. Remove the radiator. Refer to RADIATOR, ENGINE COOLING, REMOVAL AND INSTALLATION .

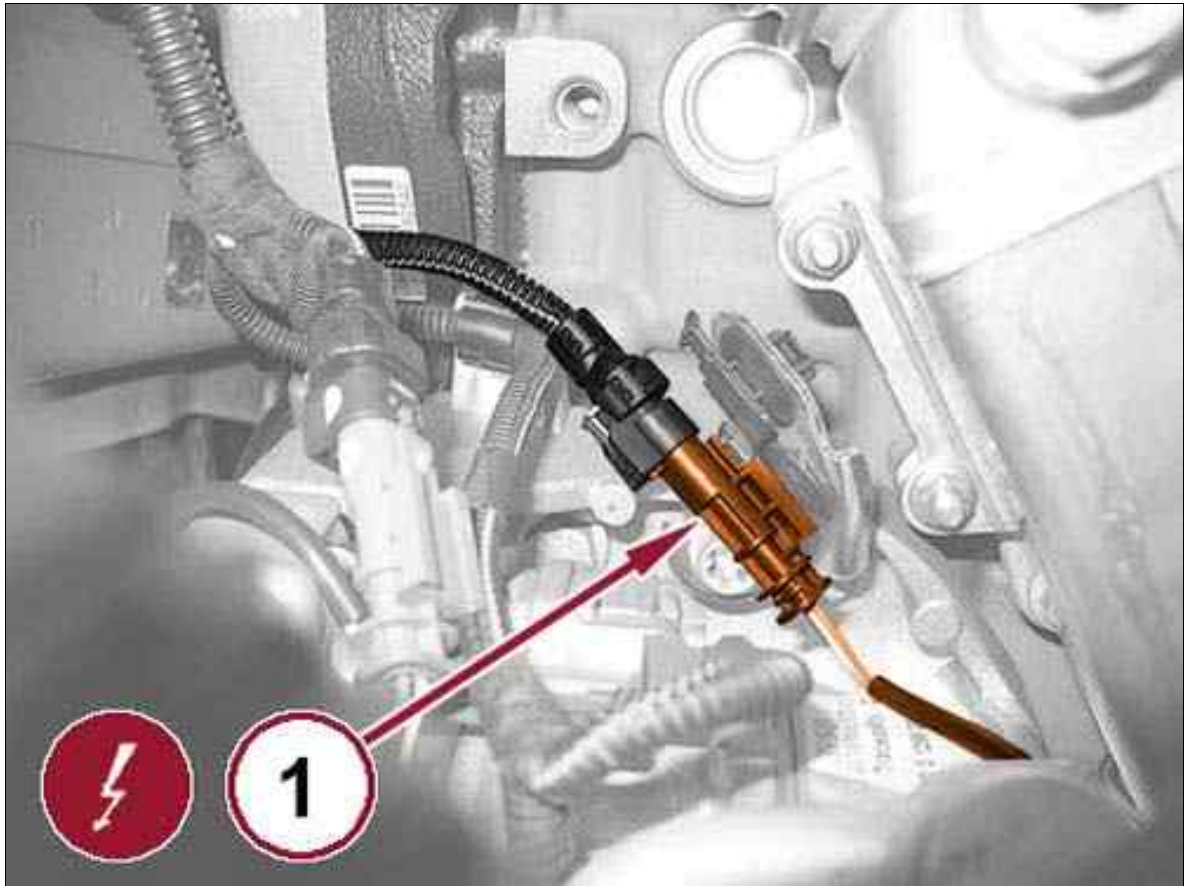
Fig 1: Sensor Temperature Particulate Filter Electrical Connection



Courtesy of CHRYSLER GROUP, LLC

8. Disconnect the electrical connection (1) of the sensor temperature particulate filter, upstream of the DPF.

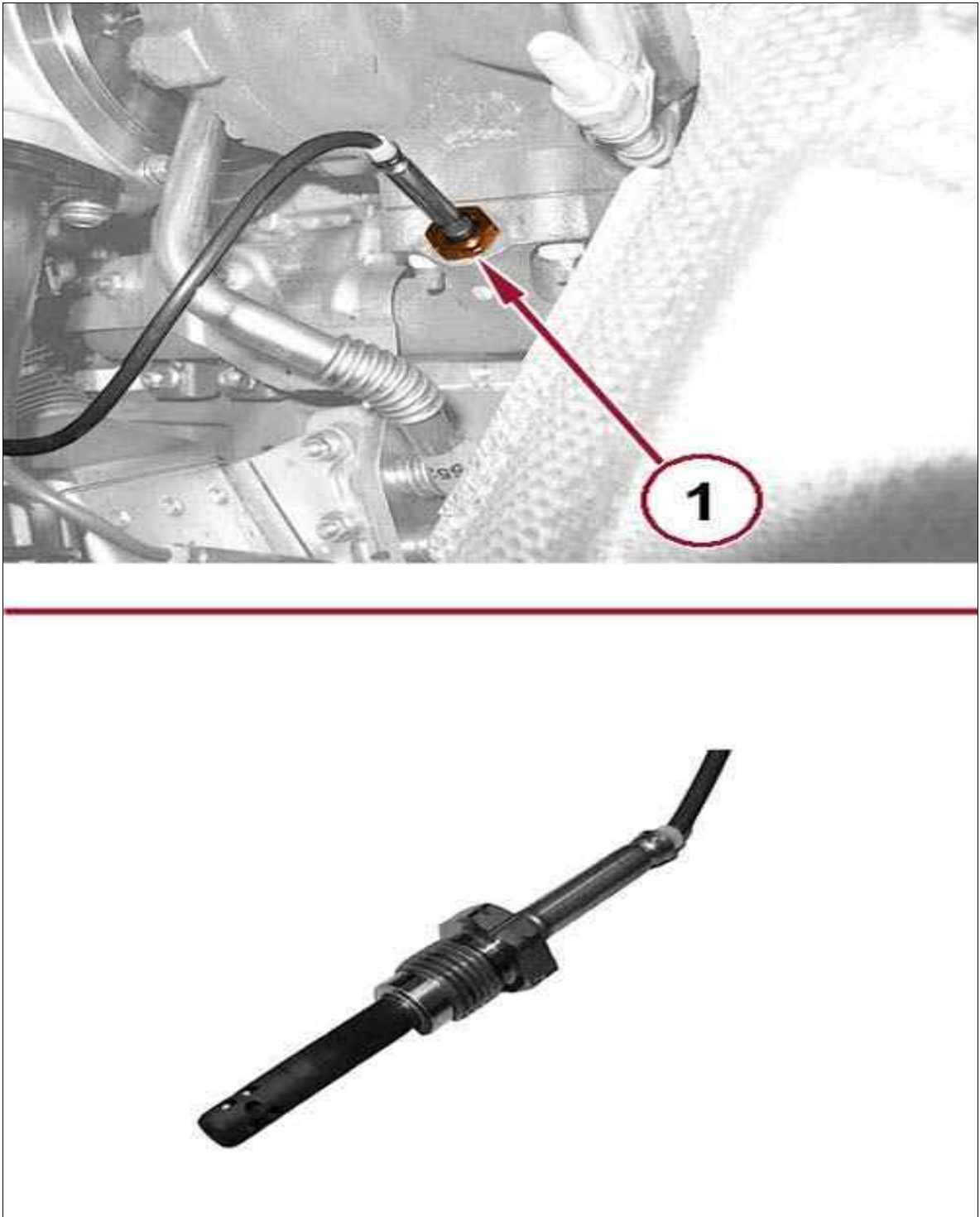
Fig 2: Exhaust Gas Turbocharger Inlet Temperature Sensor Electrical Connection



Courtesy of CHRYSLER GROUP, LLC

9. Disconnect the electrical connection (1) of the exhaust gas turbocharger inlet temperature sensor.

Fig 3: Turbocharger Exhaust Gas Inlet Temperature Sensor & Fitting



Courtesy of CHRYSLER GROUP, LLC

10. Unscrew the fitting and remove the turbocharger exhaust gas inlet temperature sensor (1).

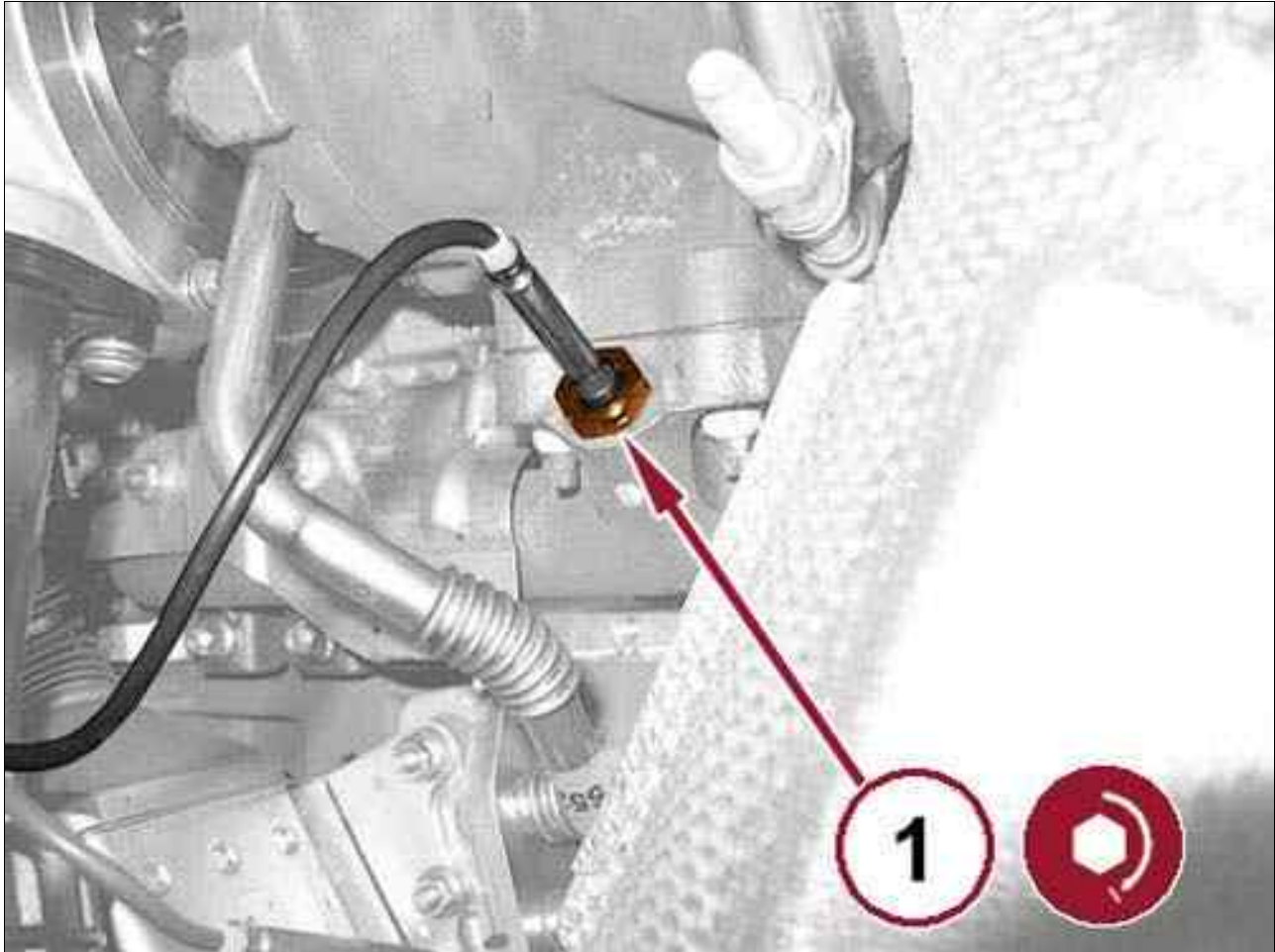
**SENSOR, EXHAUST TEMPERATURE > REMOVAL AND INSTALLATION > TURBO
INLET TEMPERATURE SENSOR > INSTALLATION**



NOTE:

2.0L Turbo Diesel 170 CV

Fig 1: Turbocharger Exhaust Gas Inlet Temperature Sensor & Fitting



Courtesy of CHRYSLER GROUP, LLC

1. Put into place the turbocharger exhaust gas inlet temperature sensor (1) and tighten to the proper torque specification. Refer to SPECIFICATIONS .
2. Connect the electrical connection of the exhaust gas turbocharger inlet temperature sensor.
3. Connect the electrical connection of the sensor temperature particulate filter, upstream of the DPF.
4. Install the radiator. Refer to RADIATOR, ENGINE COOLING, REMOVAL AND INSTALLATION .
5. Install the radiator cooling fan. Refer to FAN, COOLING, REMOVAL AND INSTALLATION .
6. Install the front fascia. Refer to FASCIA, FRONT, REMOVAL AND INSTALLATION .
7. Evacuate and charge the refrigerant system. Refer to PLUMBING, STANDARD PROCEDURE .

8. Fill the cooling system. Refer to STANDARD PROCEDURE .
9. Install the front belly pan. Refer to BELLY PAN, REMOVAL AND INSTALLATION or BELLY PAN, SIDE, REMOVAL AND INSTALLATION .
10. Install the engine cover. Refer to COVER, ENGINE, REMOVAL AND INSTALLATION for 1.6L/2.0L Diesel, COVER, ENGINE, REMOVAL AND INSTALLATION for 1.4L or COVER, ENGINE, REMOVAL AND INSTALLATION for 2.4L.