

2021 GMC Truck Yukon 4WD V8-5.3L

Vehicle > Maintenance > Fluids > Fluid - A/T > Service and Repair > Procedures > 10L80 (MQC) - Automatic Transmission

TRANSMISSION FLUID DRAIN AND FILL (L84, L87)

Document ID: 5569561

Single Use Fasteners and Components

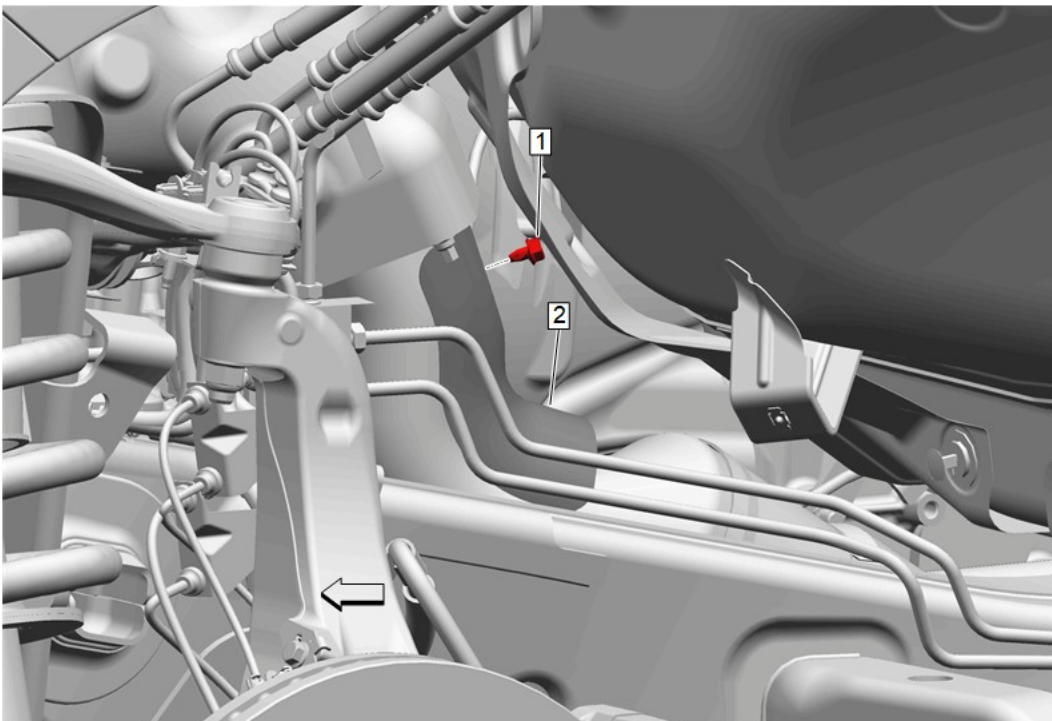
- Automatic Transmission Fluid Filter Bolt [2x]
- Automatic Transmission Fluid Pump Seal
- Exhaust System Seal - Left Side
- Exhaust System Seal - Right Side

Warning: In order to avoid being burned, do not service the exhaust system while it is still hot. Service the system when it is cool.

Warning: Avoid contact with HOT components. Wear safety glasses and protective gloves to avoid personal injury.

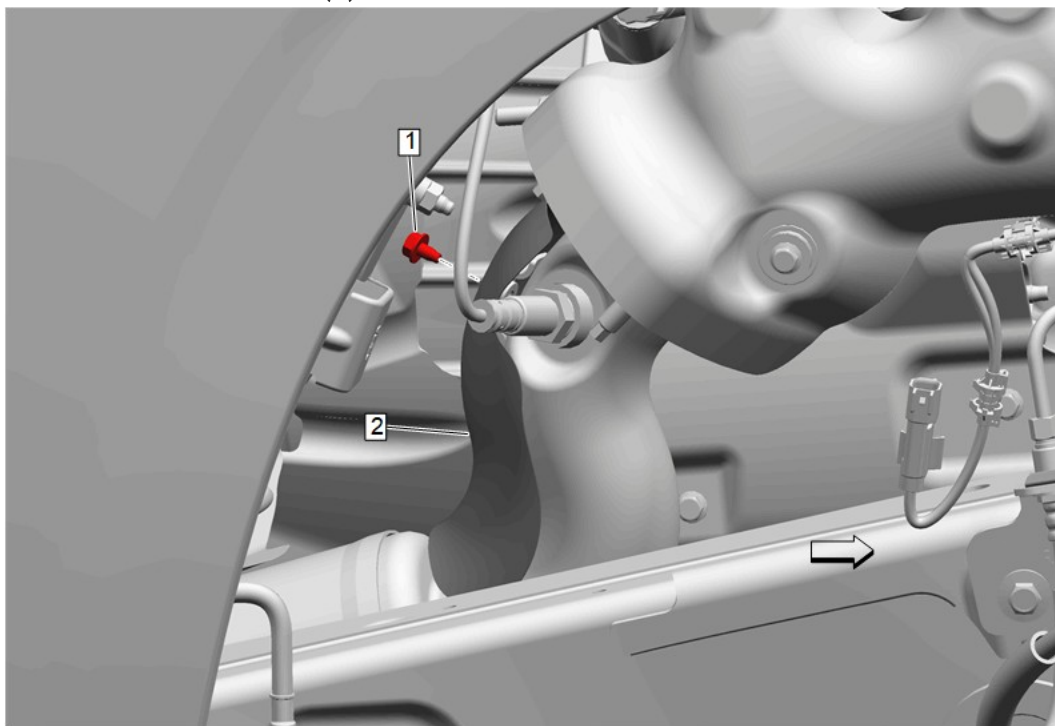
Removal Procedure

1. Raise and support the vehicle. Lifting and Jacking the Vehicle
2. Front Wheelhouse Liner - Left Side and Right Side » Remove [2x] — Front Wheelhouse Liner Replacement
3. Exhaust Heat Shield Bolt (1) » Remove



4. Exhaust Front Pipe Heat Shield (2) » Remove

5. Exhaust Heat Shield Bolt (1) » Remove



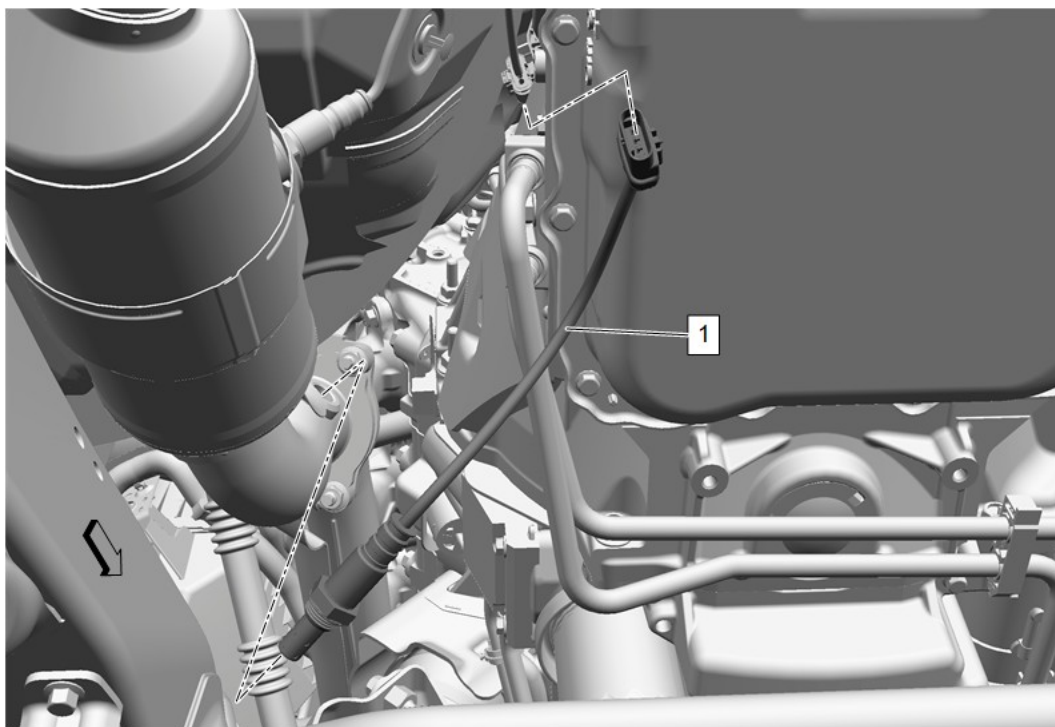
6. Exhaust Front Pipe Heat Shield (2) » Remove

Caution: Refer to Heated Oxygen and Oxygen Sensor Caution.

Note:

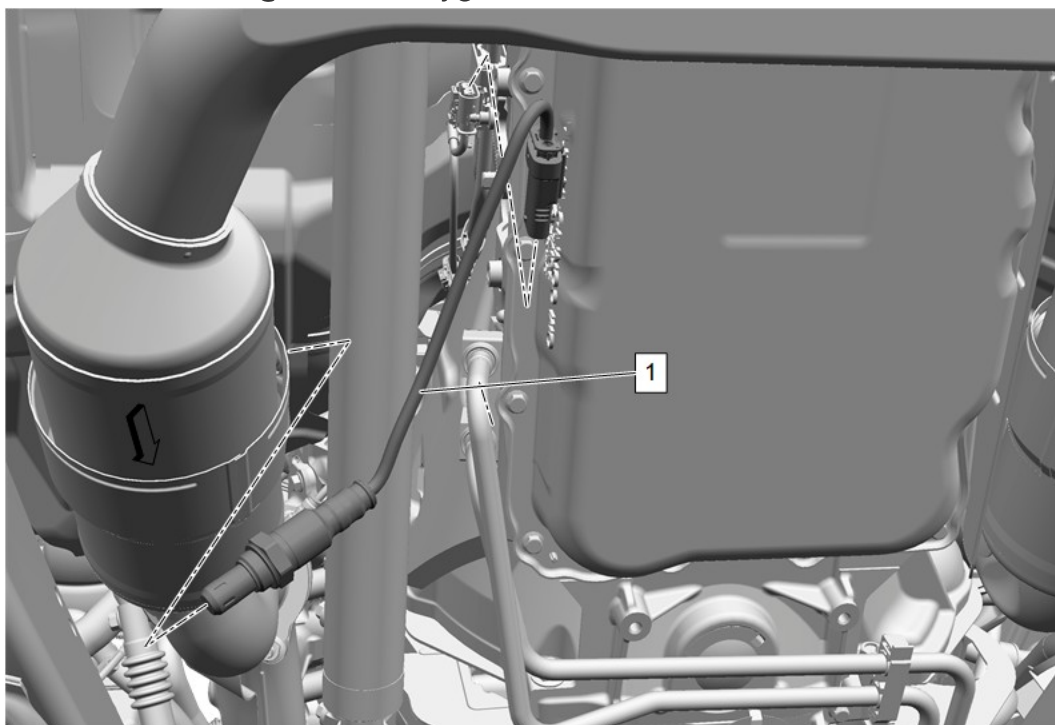
- The heated oxygen sensor in-line connector and louvered end **MUST** be kept clear of all grease, dirt, and other contaminants. Do **NOT** use cleaning solvents of any type. Do **NOT** drop or roughly handle the sensor.
- The heated oxygen sensor **MAY** be difficult to remove when the engine temperature is less than 48°C (120°F).

7. Electrical Connector @ Heated Oxygen Sensor - Bank 1 Sensor 1 » Disconnect



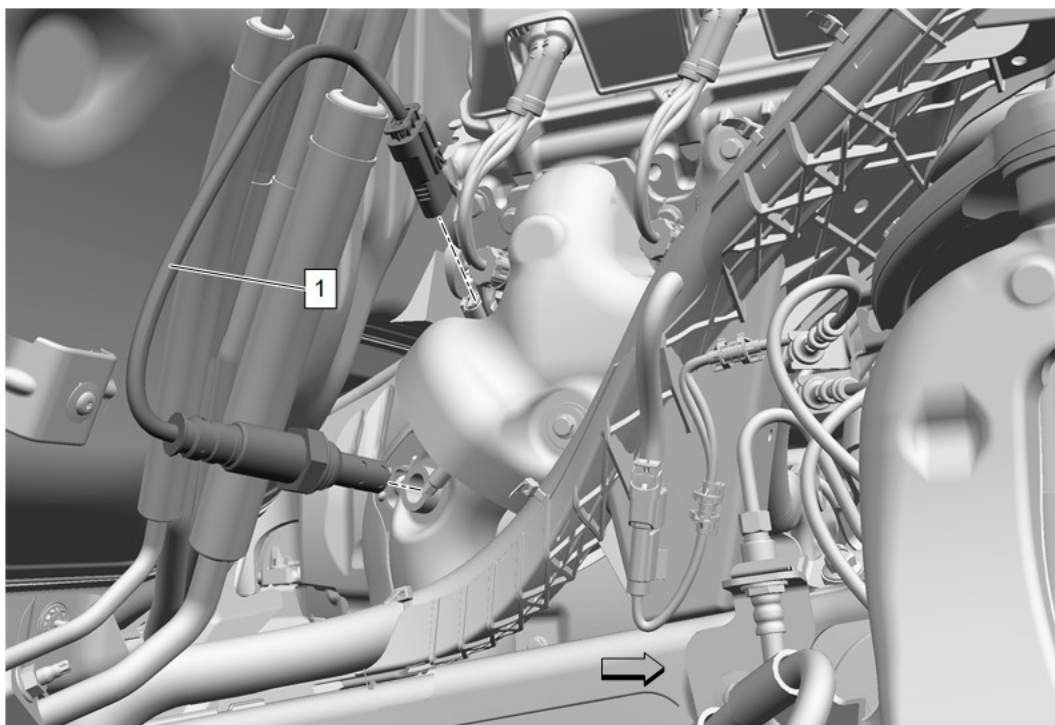
8. Using a suitable tool, remove the heated oxygen sensor - bank 1 sensor 1 (1).

9. Electrical Connector @ Heated Oxygen Sensor - Bank 1 Sensor 2 » Disconnect



10. Using a suitable tool, remove the heated oxygen sensor - bank 1 sensor 2 (1).

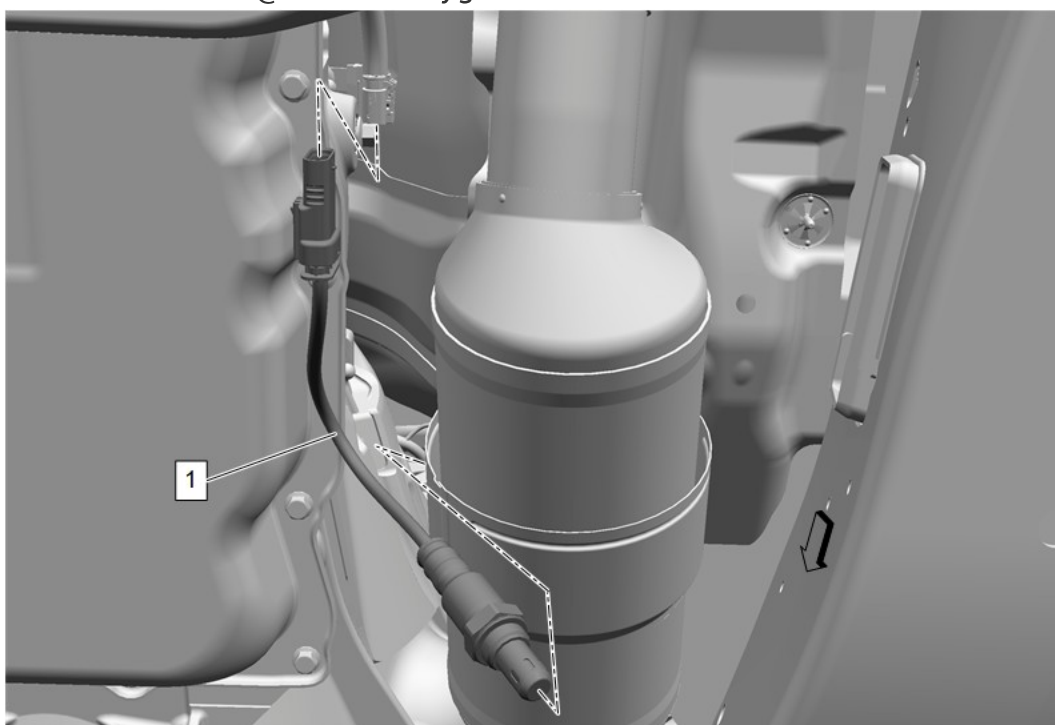
11. Electrical Connector @ Heated Oxygen Sensor - Bank 2 Sensor 1 » Disconnect



12. Disconnect the wiring harness retainers as necessary.

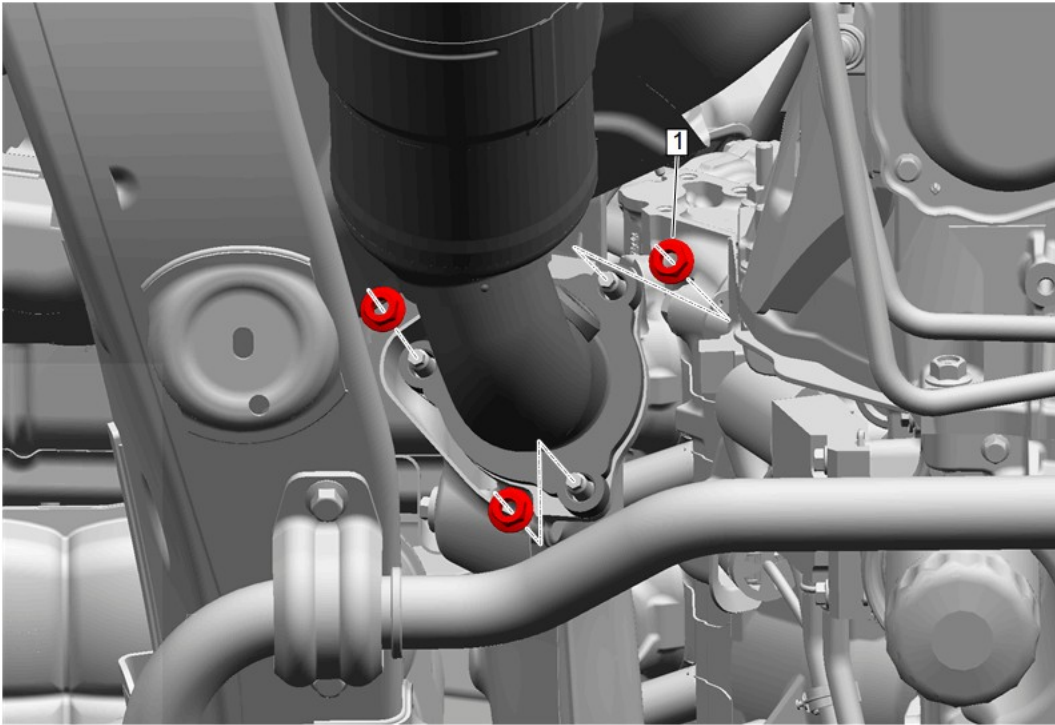
13. Using a suitable tool, remove the heated oxygen sensor - bank 2 sensor 1 (1).

14. Electrical Connector @ Heated Oxygen Sensor - Bank 2 Sensor 2 » Disconnect

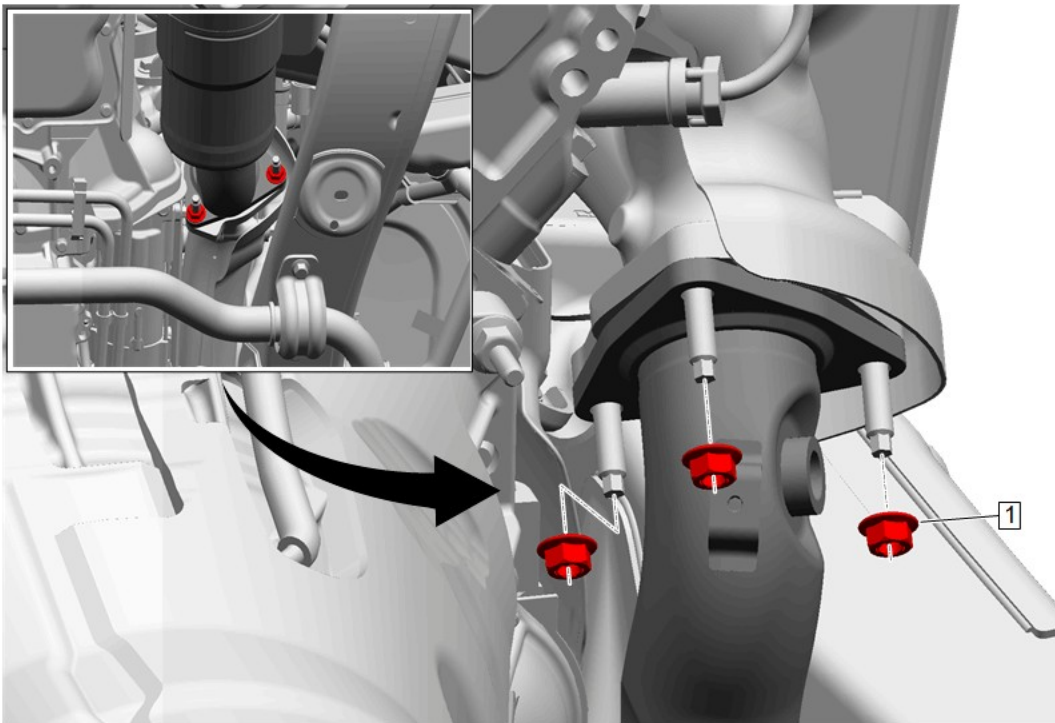


15. Using a suitable tool, remove the heated oxygen sensor - bank 2 sensor 2 (1).

16. Exhaust Front Pipe Nut - Left Side (1) » Remove [3x]

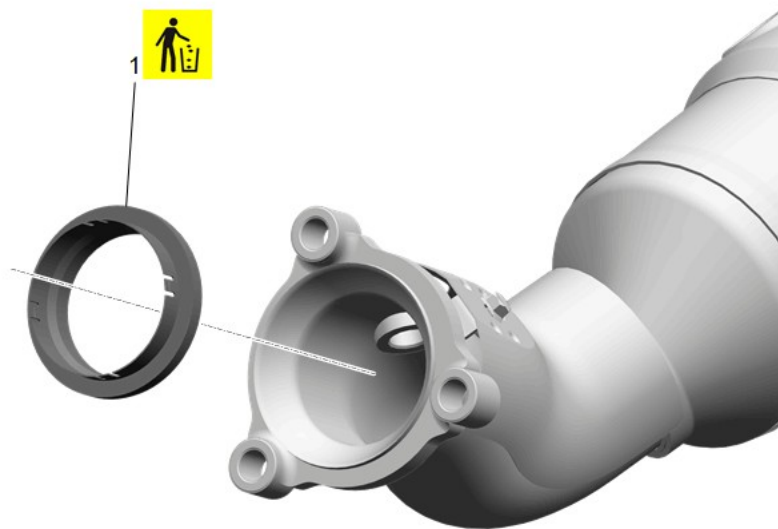


17. Exhaust Front Pipe Nut - Right Side (1) » Remove [3x]

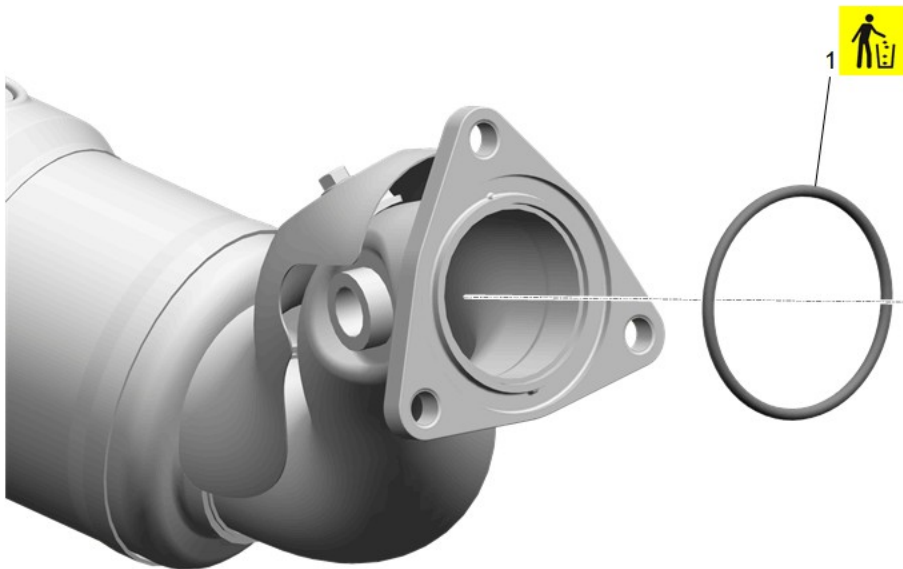


18. Lower and support the exhaust system as necessary.

19. Exhaust System Seal - Left Side (1) » Remove and DISCARD

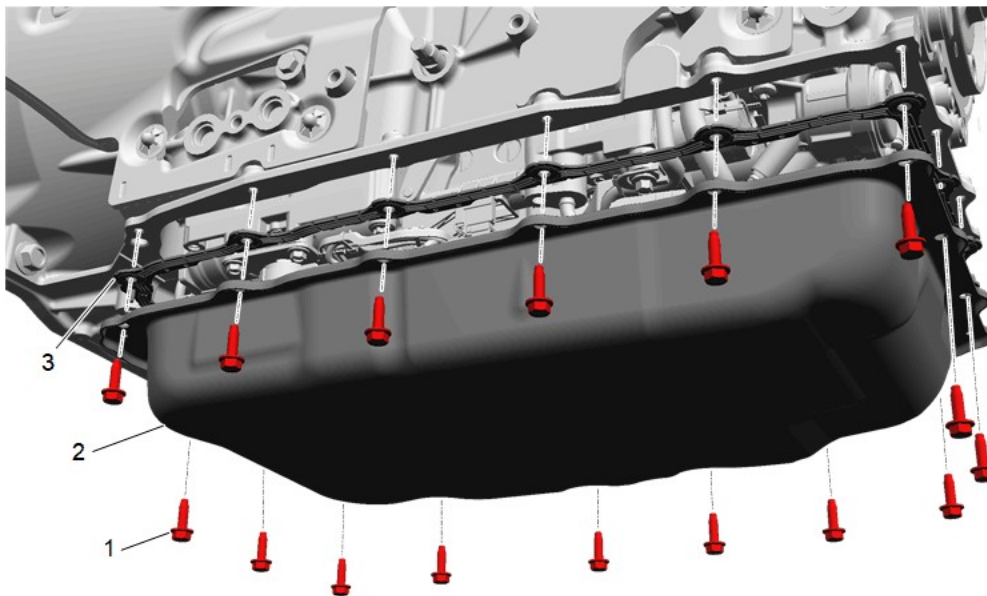


20. Exhaust System Seal - Right Side (1) » Remove and DISCARD



21. Place a drain pan under the vehicle.

22. Automatic Transmission Fluid Pan Bolt (1) » Remove [16x]

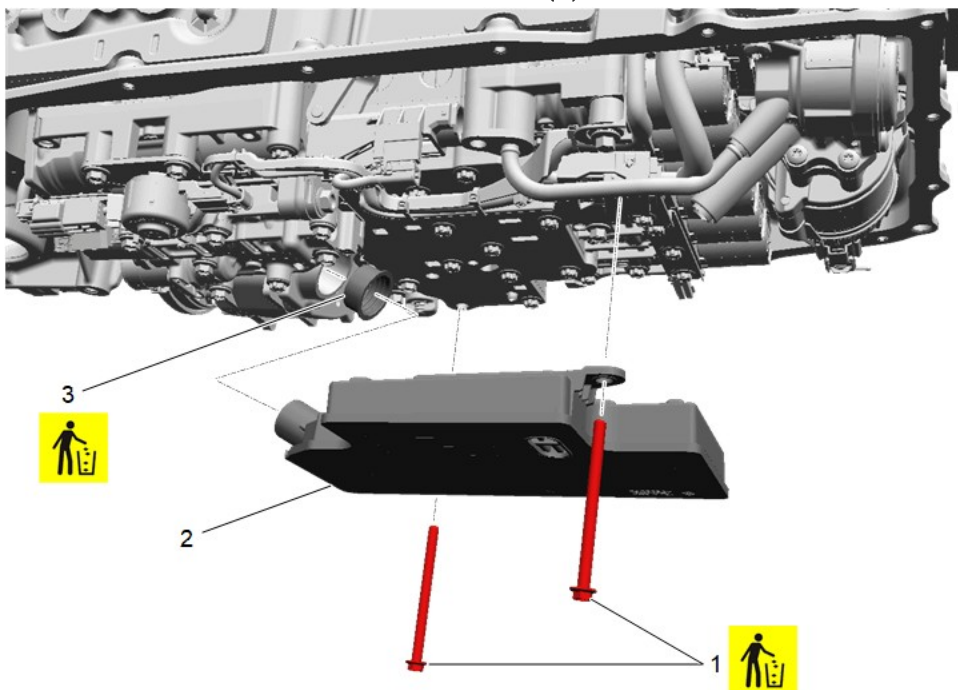


23. Automatic Transmission Fluid Pan (2) » Remove

Note: The fluid pan gasket is reusable. Inspect the gasket to determine if it may be reused. If the gasket is stuck to the case or pan, it should be replaced.

24. Automatic Transmission Fluid Pan Gasket (3) » Remove

25. Automatic Transmission Fluid Filter Bolt (1) » Remove and DISCARD [2x]



Caution: Pull the fluid filter assembly straight out to avoid damage. Do not bend or twist the

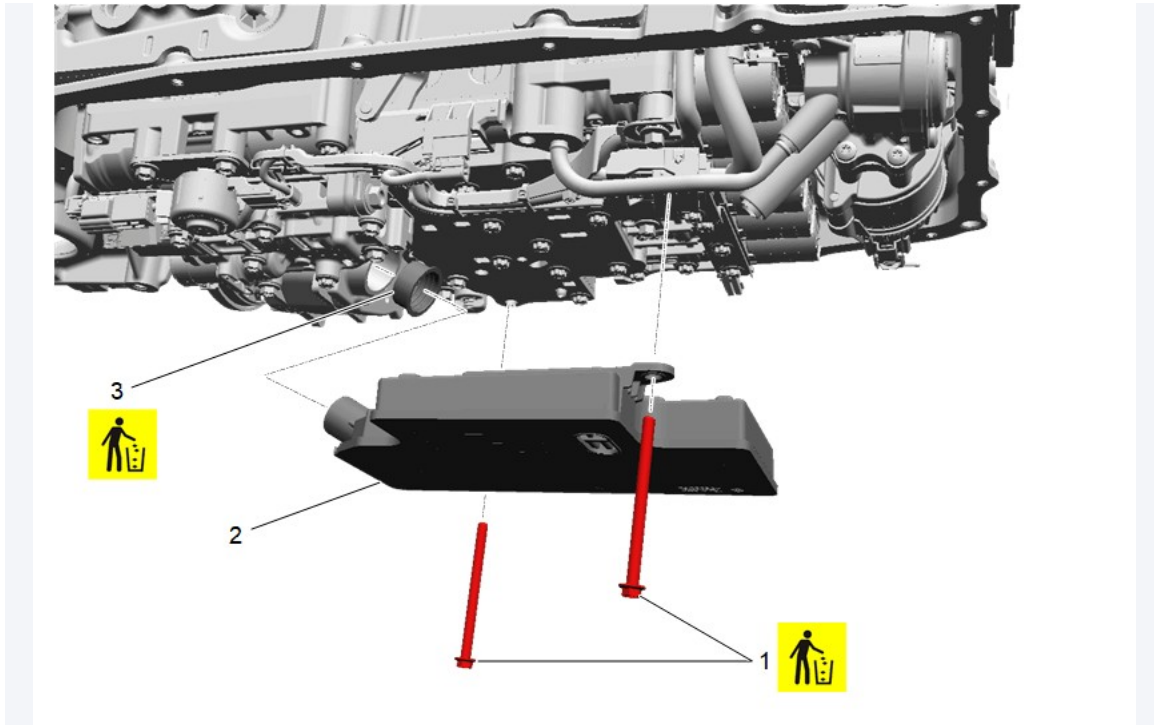
filter neck.

26. Automatic Transmission Fluid Filter (2) » Remove

27. Automatic Transmission Fluid Pump Seal (3) » Remove and DISCARD

Installation Procedure

1. Automatic Transmission Fluid Pump Seal (3) » Install NEW

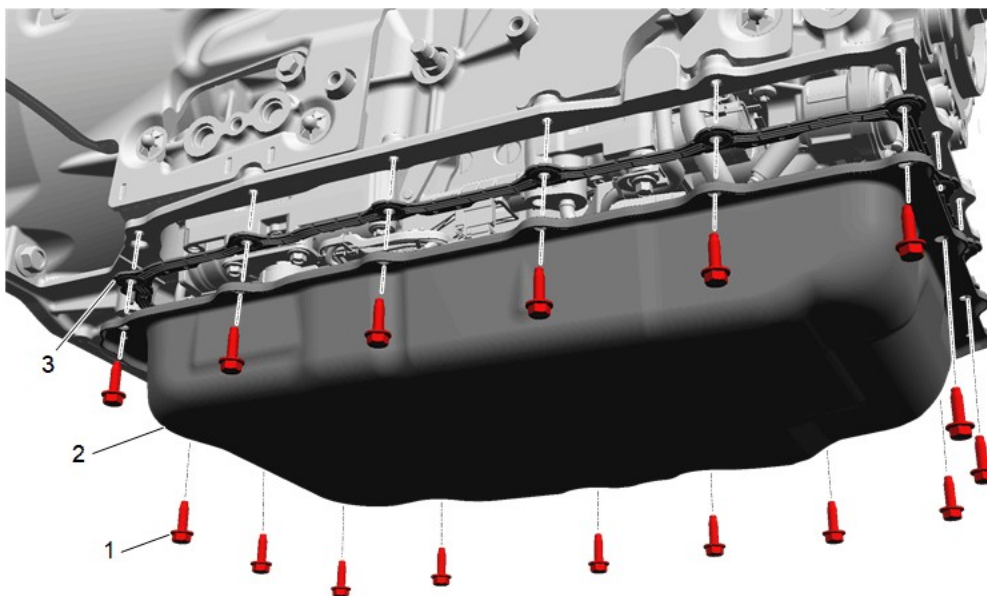


2. Automatic Transmission Fluid Filter (2) » Install

Caution: Refer to Fastener Caution.

3. Automatic Transmission Fluid Filter Bolt (1) » Install NEW and tighten [2x] — Fastener Specifications

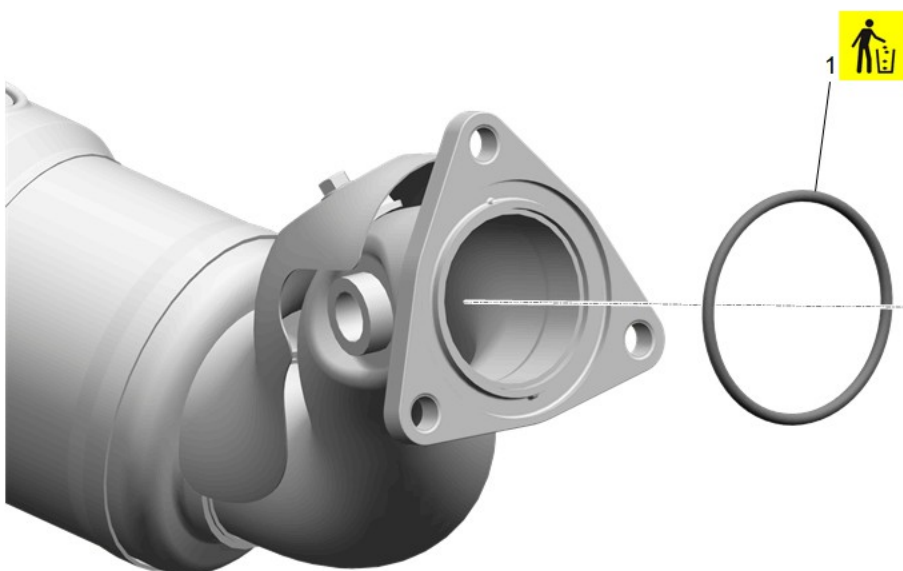
4. Automatic Transmission Fluid Pan Gasket (3) » Install



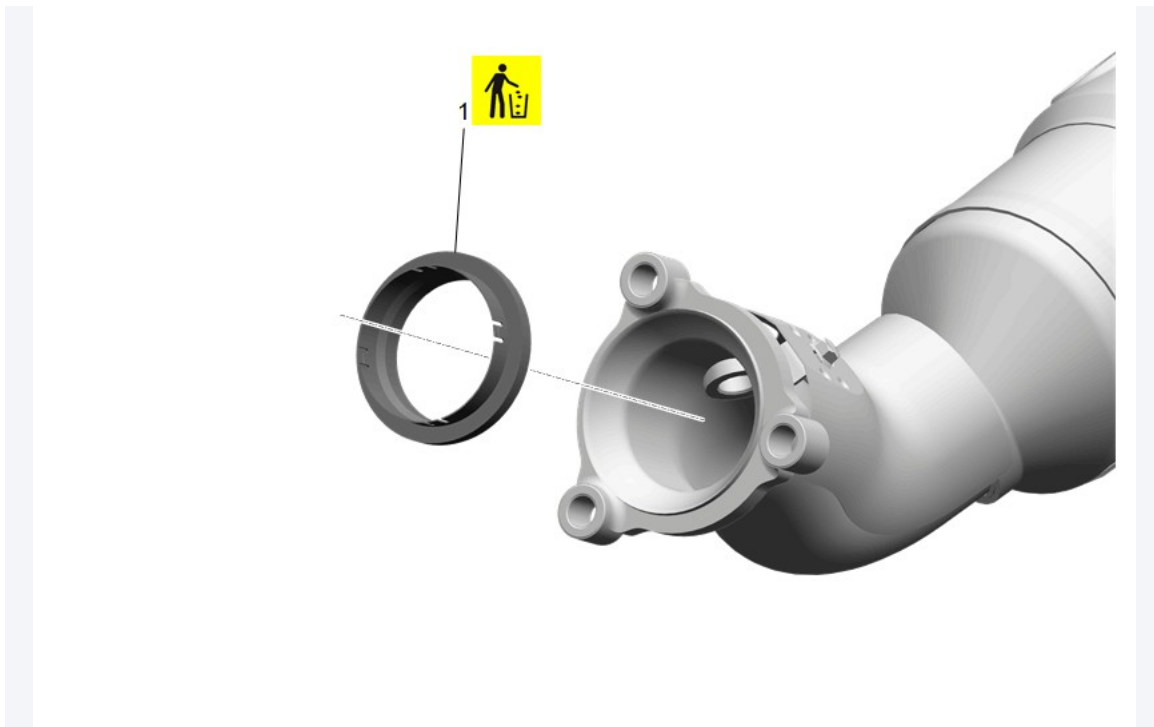
5. Automatic Transmission Fluid Pan (2) » Install

6. Automatic Transmission Fluid Pan Bolt (1) » Install and tighten in sequence [16x] – Fastener Specifications

7. Exhaust System Seal - Right Side (1) » Install NEW

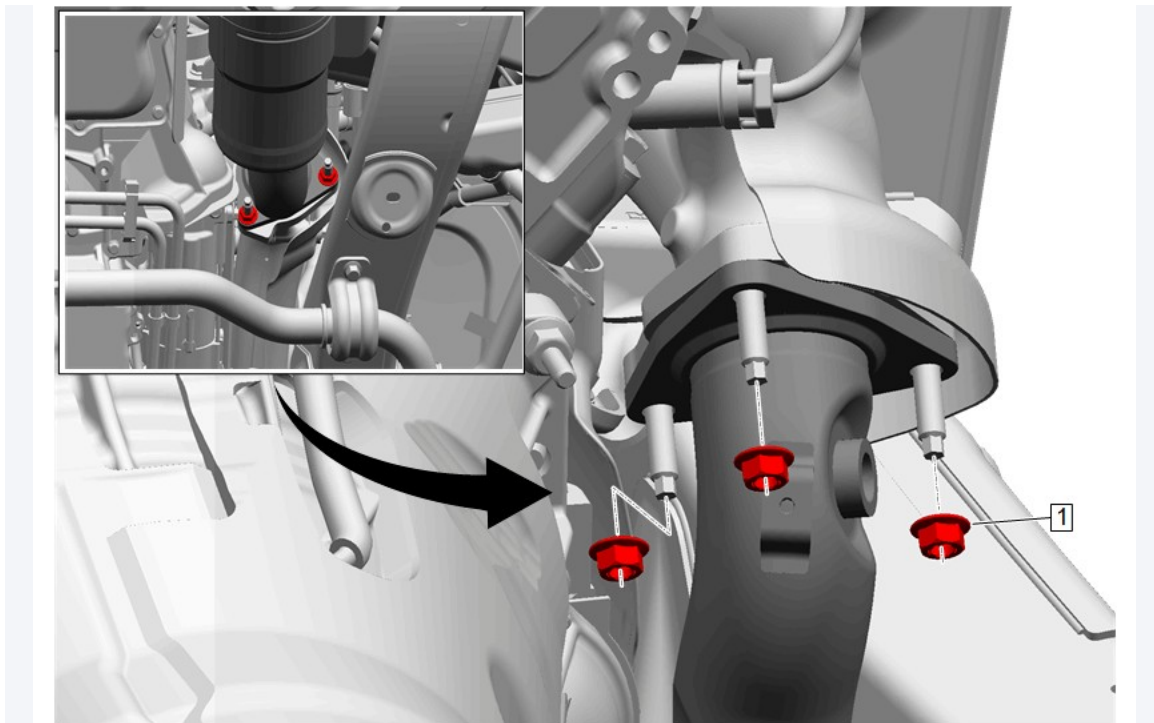


8. Exhaust System Seal - Left Side (1) » Install NEW

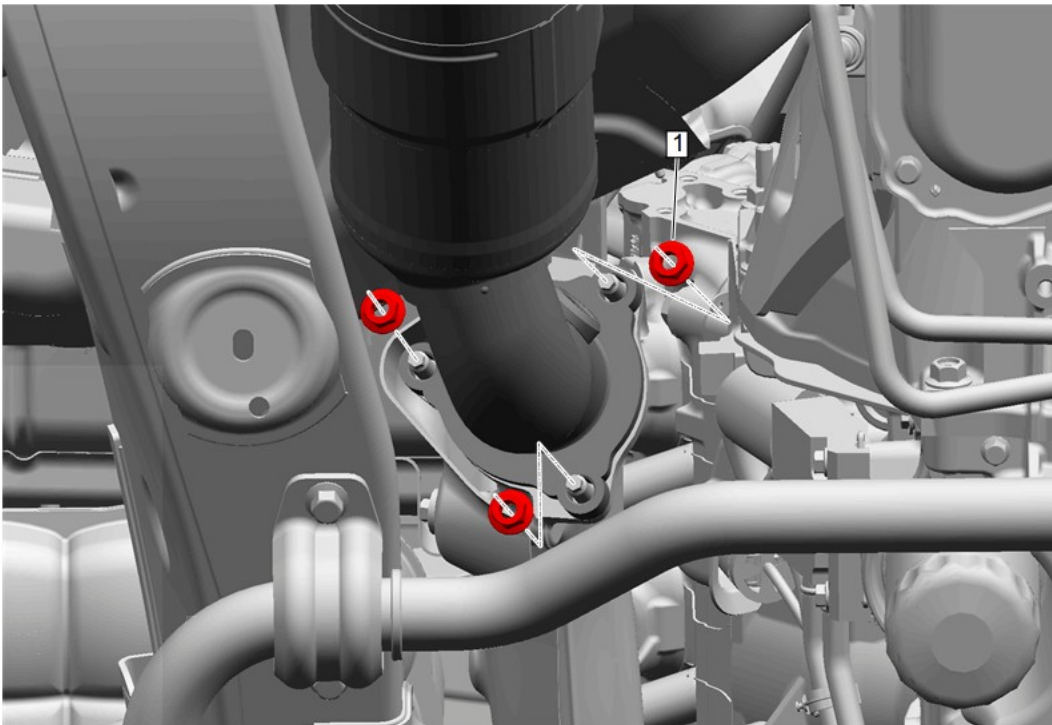


9. Raise and support the exhaust system as necessary.

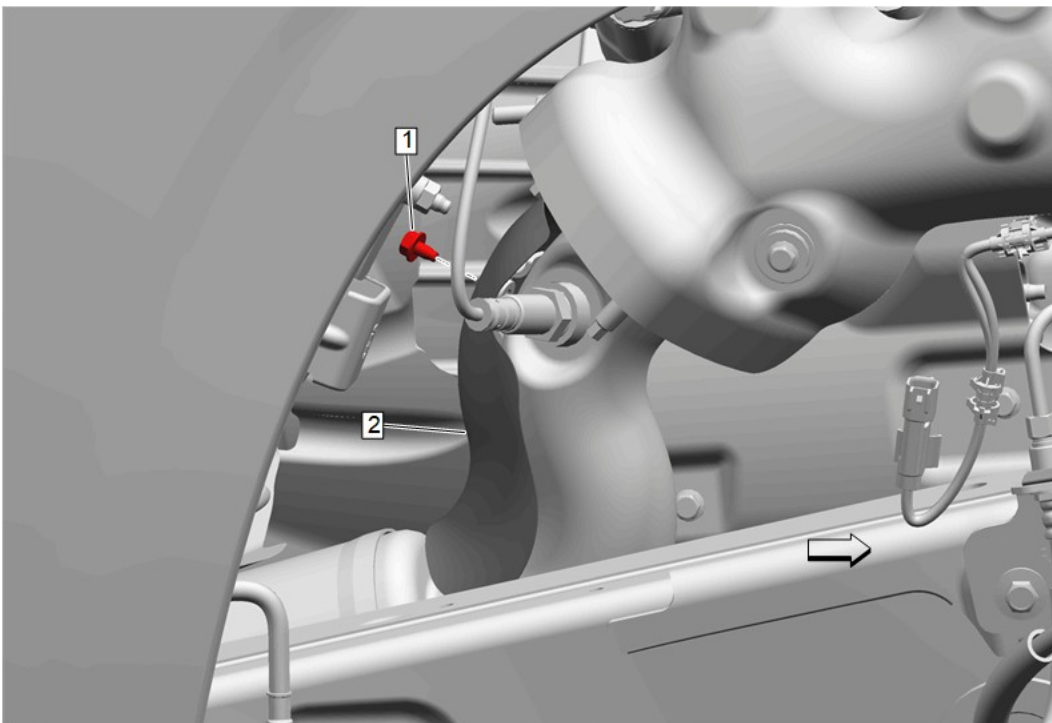
10. Exhaust Front Pipe Nut - Right Side (1) » Install and tighten [3x] — Fastener Specifications



11. Exhaust Front Pipe Nut - Left Side (1) » Install and tighten [3x] — Fastener Specifications

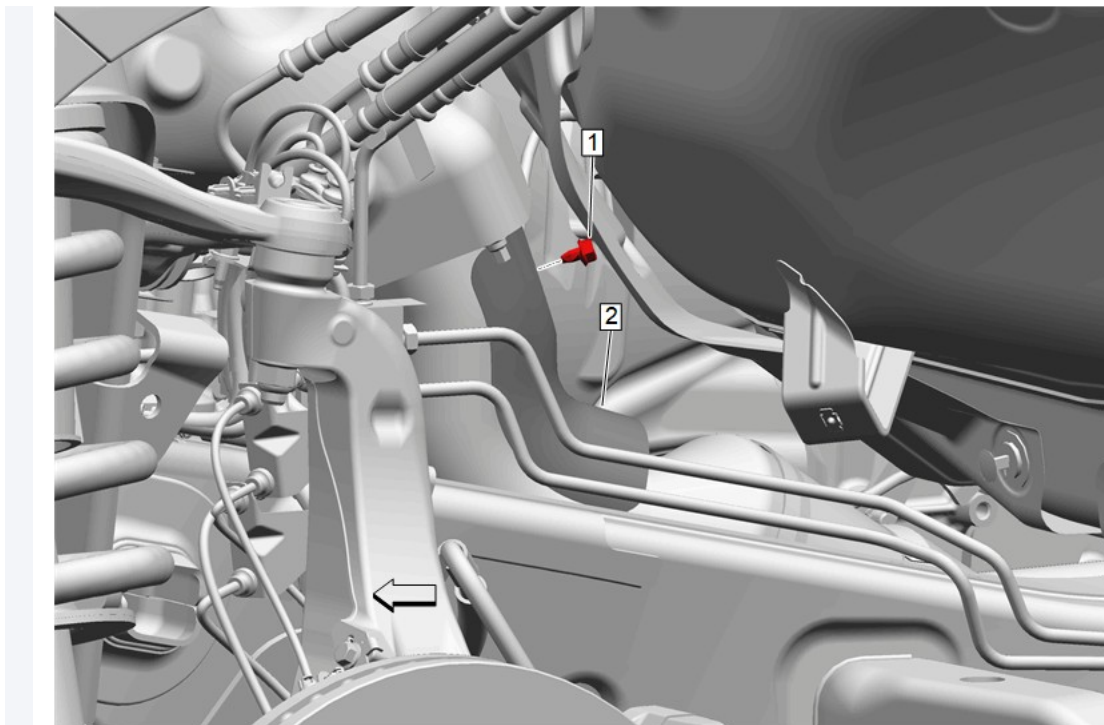


12. Exhaust Front Pipe Heat Shield (2) » Install



13. Exhaust Heat Shield Bolt (1) » Install and tighten — Fastener Specifications

14. Exhaust Front Pipe Heat Shield (2) » Install

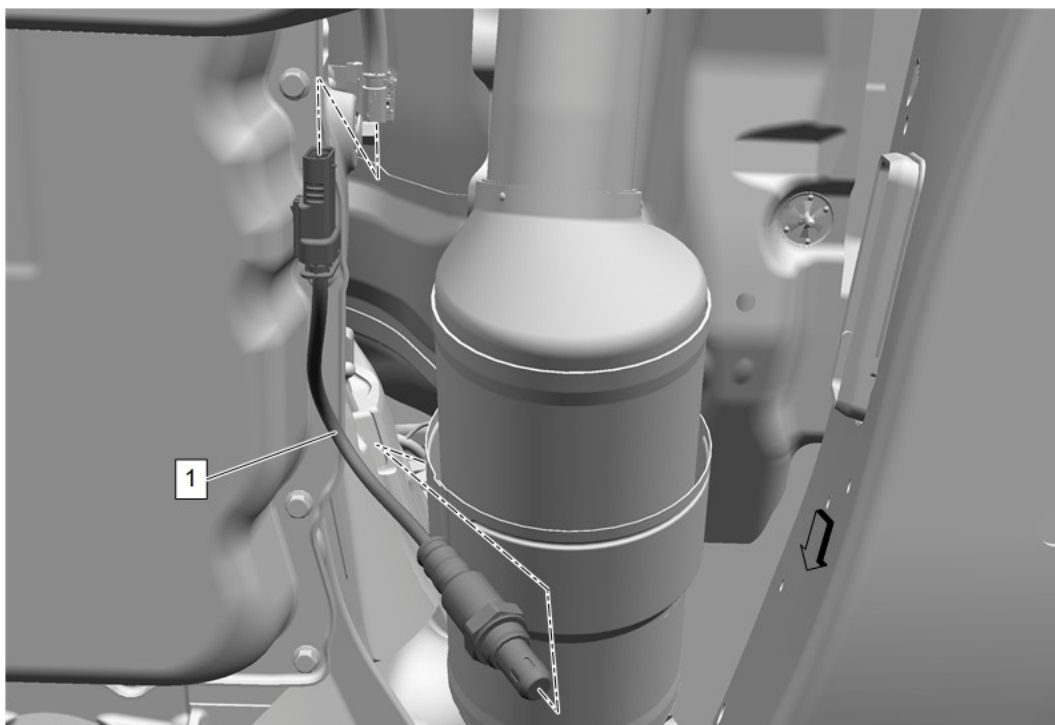


15. Exhaust Heat Shield Bolt (1) » Install and tighten — Fastener Specifications

Caution: Refer to Component Fastener Tightening Caution.

Note: A special anti-seize compound is used in the HO2S threads. The compound consists of liquid graphite and glass beads. The graphite tends to burn away, but the glass beads remain, making the sensor easier to remove. New, or service replacement sensors already have the compound applied to the threads. If the sensor is removed from an exhaust component and if for any reason the sensor is to be reinstalled, the threads must have anti-seize compound applied before reinstallation. Adhesives, Fluids, Lubricants, and Sealers

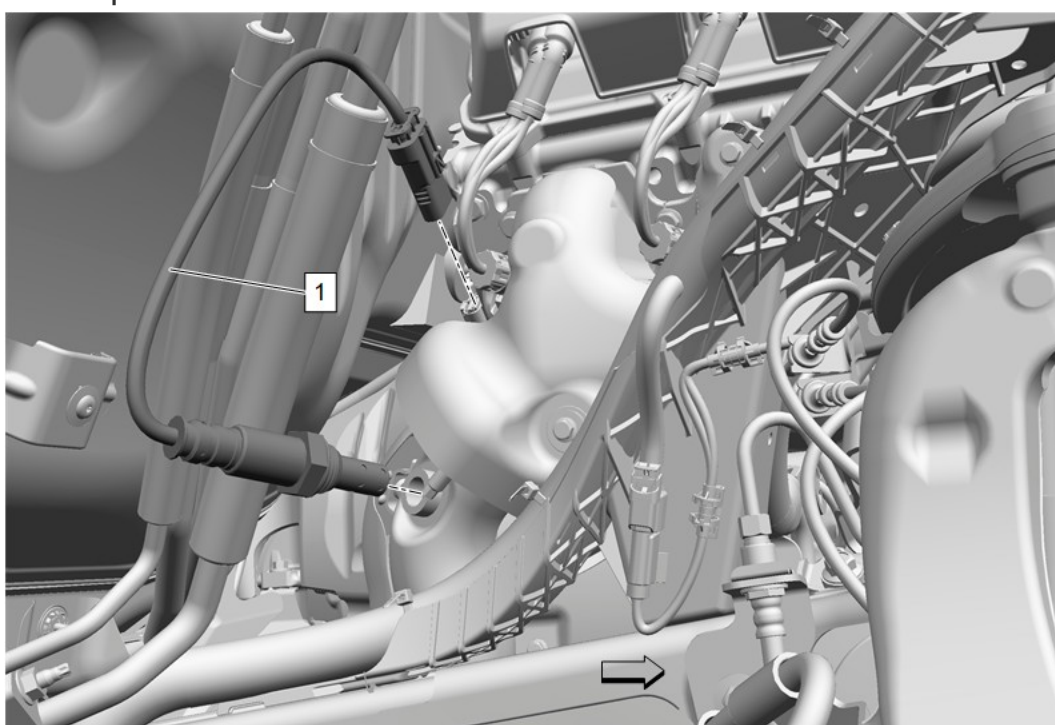
16. Using a suitable tool, install and tighten the heated oxygen sensor - bank 2 sensor 2 (1).
Fastener Specifications



17. Electrical Connector @ Heated Oxygen Sensor - Bank 2 Sensor 2 » Connect

18. Using a suitable tool, install and tighten the heated oxygen sensor - bank 2 sensor 1 (1).

Fastener Specifications

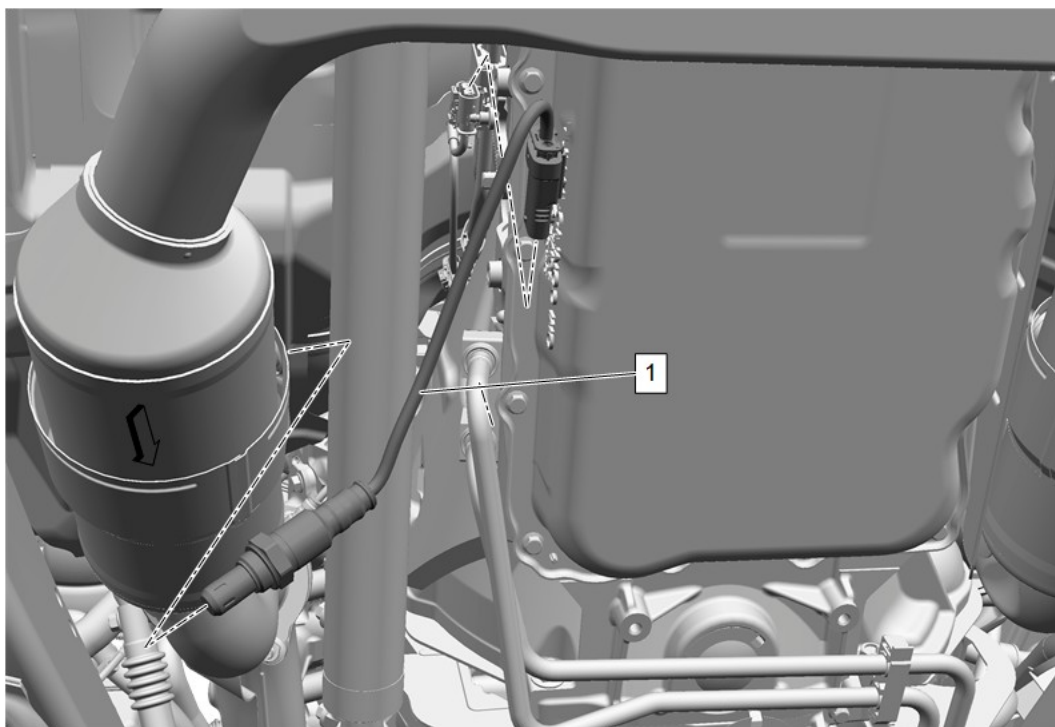


19. Connect the wiring harness retainers as necessary.

20. Electrical Connector @ Heated Oxygen Sensor - Bank 2 Sensor 1 » Connect

21. Using a suitable tool, install and tighten the heated oxygen sensor - bank 1 sensor 2 (1).

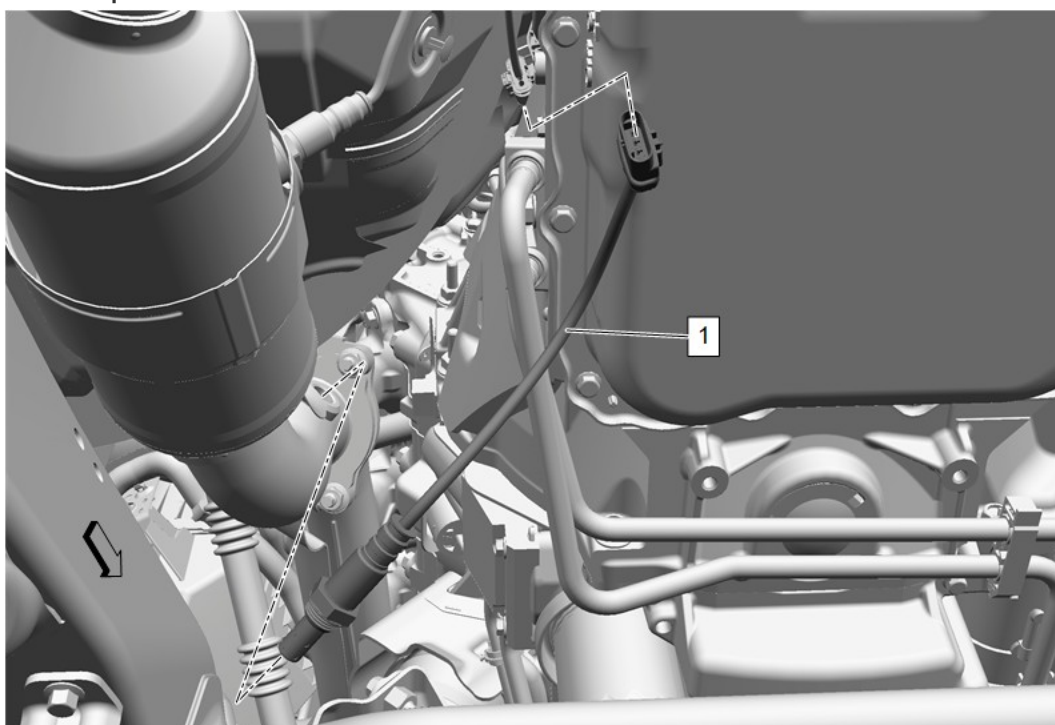
Fastener Specifications



22. Electrical Connector @ Heated Oxygen Sensor - Bank 1 Sensor 2 » Connect

23. Using a suitable tool, install and tighten the heated oxygen sensor - bank 1 sensor 1 (1).

Fastener Specifications



24. Electrical Connector @ Heated Oxygen Sensor - Bank 1 Sensor 1 » Connect

25. Front Wheelhouse Liner - Left Side and Right Side » Install [2x] — Front Wheelhouse Liner Replacement

26. Inspect the exhaust system for leaks.

27. Remove the drain pan.
28. Fill the transmission to the proper level with NEW transmission fluid. Transmission Fluid Level and Condition Check
29. Remove the support and lower the vehicle.