

2022 CHEVROLET CORVETTE SERVICE MANUAL

- **SEARCH**

1. **Engine/Propulsion**
2. **Engine Mechanical - 6.2L (LT2)**
3. **Repair Instructions**
- 4.

Oil Pan Replacement

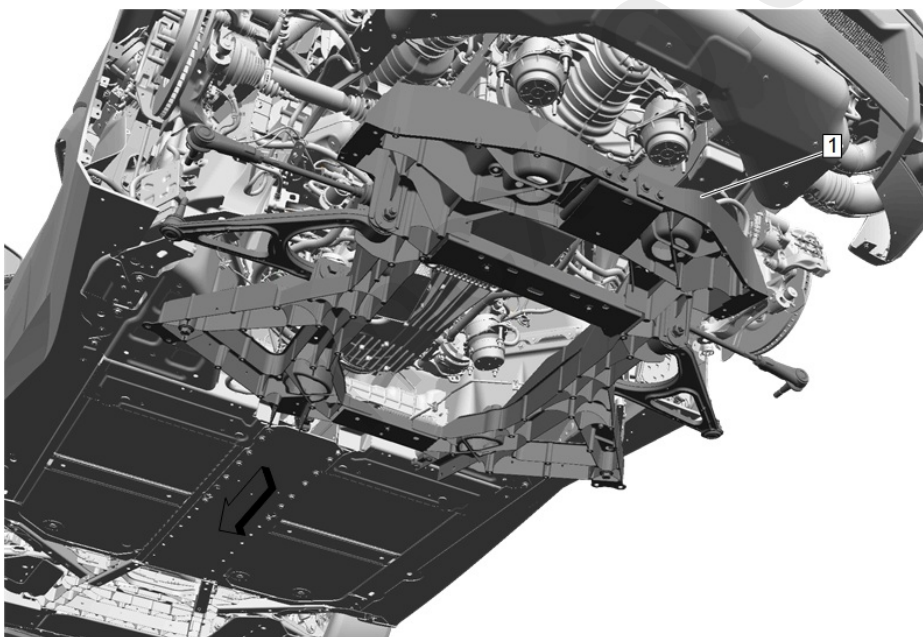
Special Tools

- *EN-45059-A*, Â Angle Meter
- *EN-52751*, Â Flywheel Holding Tool
- *J-25031-A-2*, Â Rotor and Bearing Puller With Guide

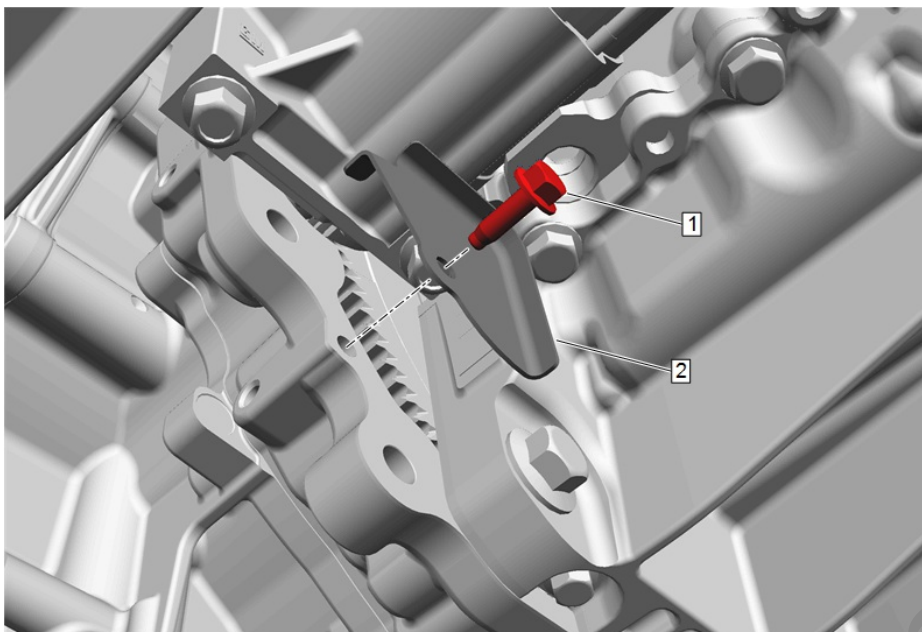
Equivalent regional tools: Special Tools

Removal Procedure

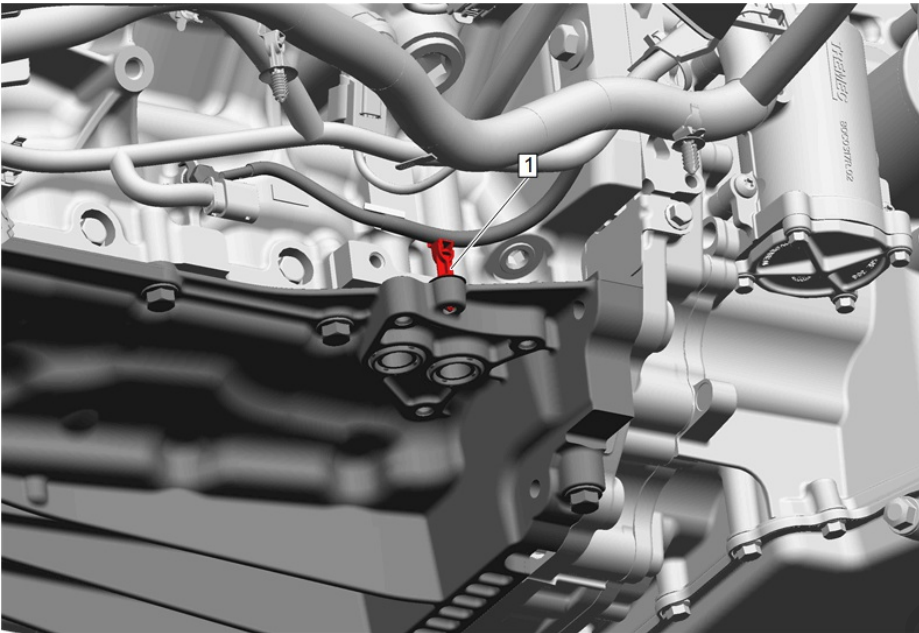
1. Disconnect the battery negative cable. Battery Negative Cable Disconnection and Connection
2. Drain the engine oil. Engine Oil and Oil Filter Replacement



3. [Click here for full size](#)
4. Rear Suspension Cradle (1>) >> Remove - Rear Suspension Cradle Replacement
5. [Click here for full size](#)
6. Engine Oil Cooler Adapter (2>) >> Position aside - Engine Oil Cooler Adapter Replacement

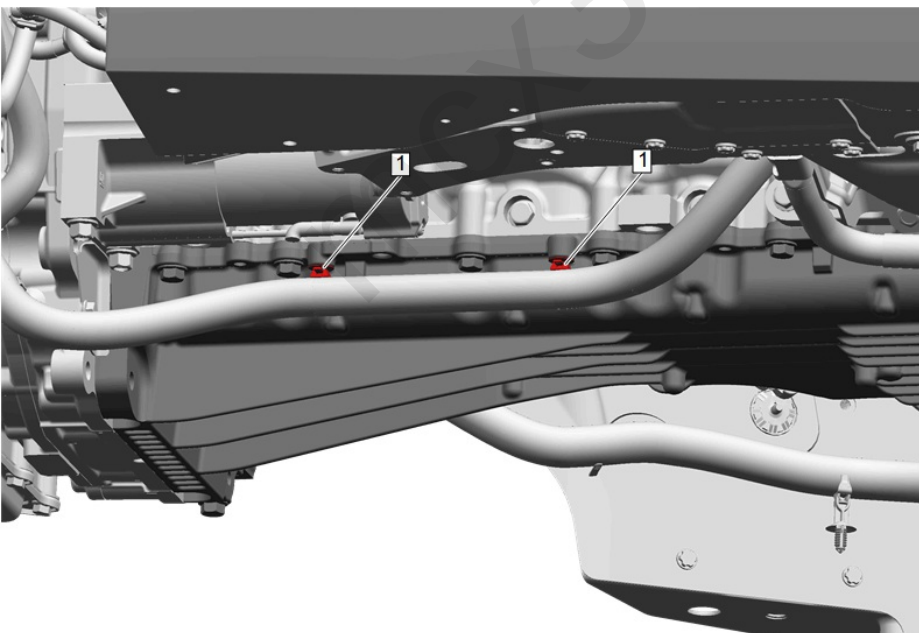


7. [Click here for full size](#)
8. [Transmission Converter Cover - Right Side \(2>\) >> Remove - Transmission Converter Cover Replacement - Right Side](#)
9. [Click here for full size](#)
10. [Transmission Bolt \(1>\) @ Oil Pan >> Remove - Transmission Replacement](#)
11. [Click here for full size](#)
12. [Transmission Bolt \(1 and 2\) @ Oil Pan >> Remove - Transmission Replacement](#)



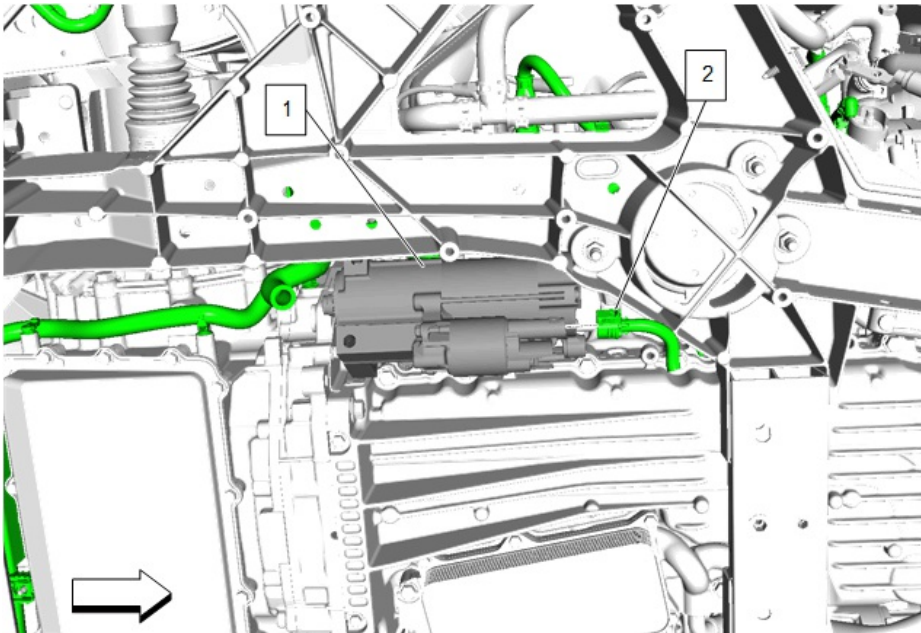
13.
[Click here for full size](#)

14. Engine Wiring Harness Retainer (1>) @ Oil Pan >> Remove



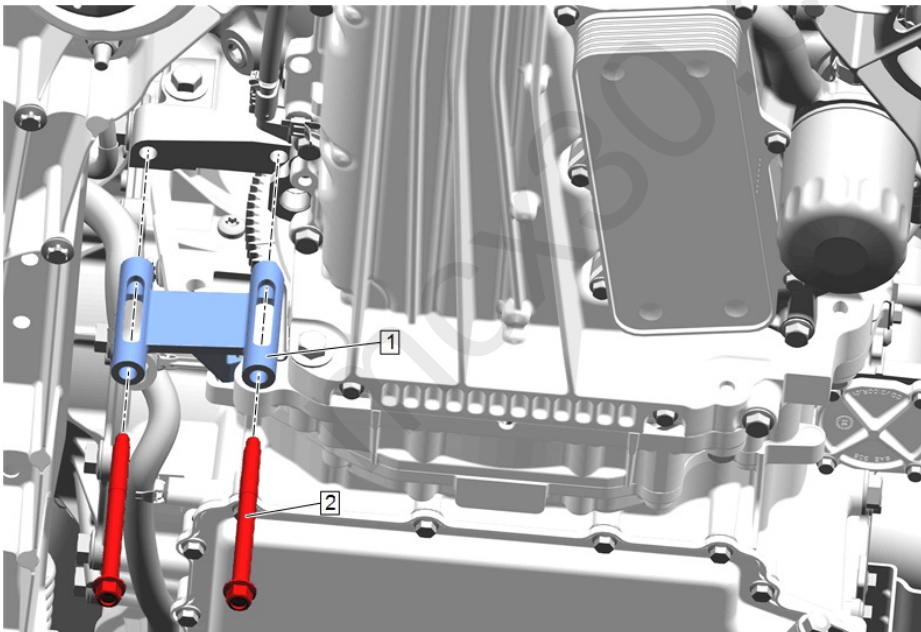
15.
[Click here for full size](#)

16. Engine Wiring Harness Retainer (1>) @ Oil Pan >> Remove [2>x]



17.
[Click here for full size](#)

18. Starter (1>) >> Remove - Starter Replacement



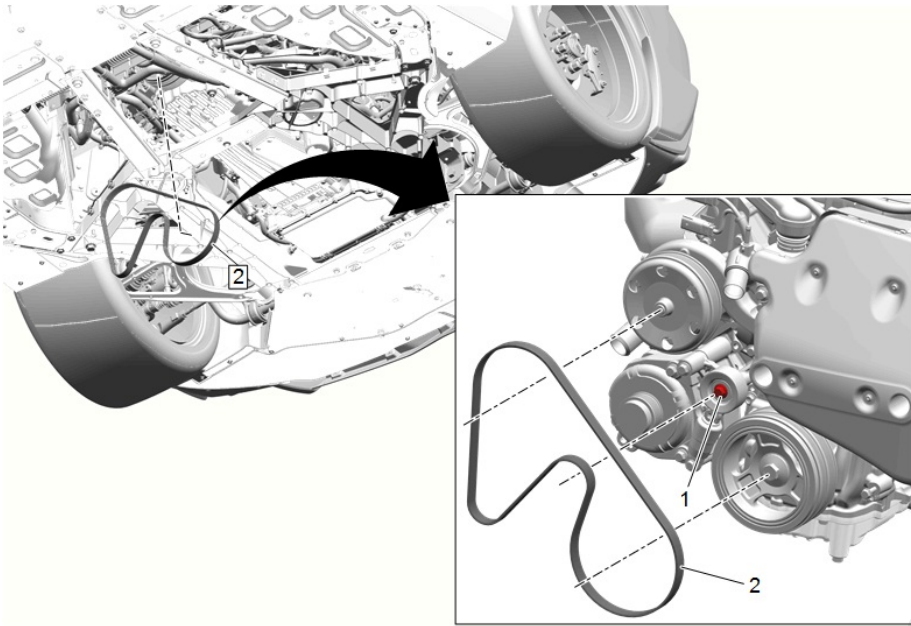
19.
[Click here for full size](#)

20. EN-52751 Flywheel Holding Tool (1>) >> Install

21. Caution:

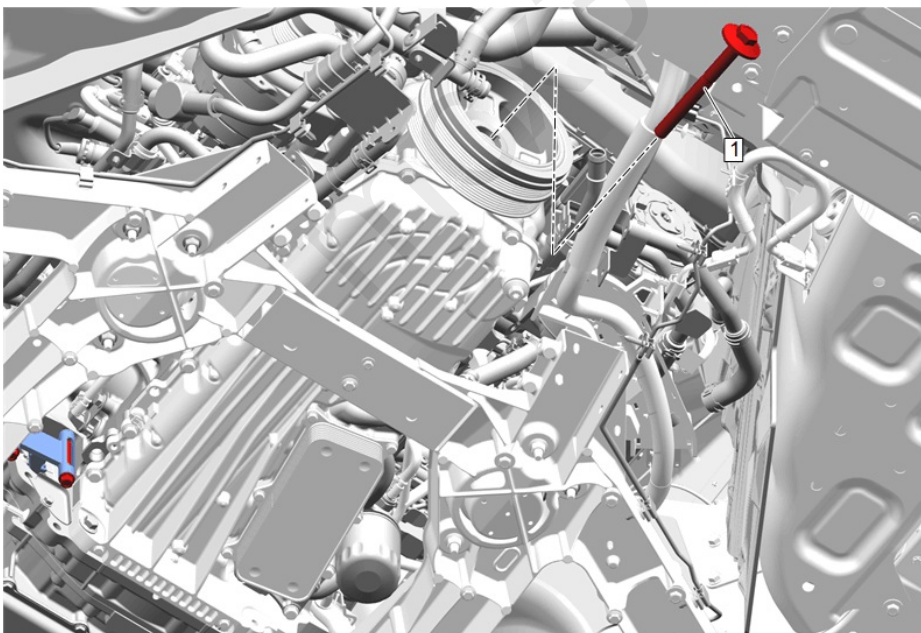
Refer to Fastener Caution.

22. Starter Bolt (2>) >> Install and tighten [2>x]50 N-m (37 lb ft).



23.
[Click here for full size](#)

24. Water Pump and Generator Belt (2>) >> Remove and DISCARD - Water Pump and Generator Belt Replacement

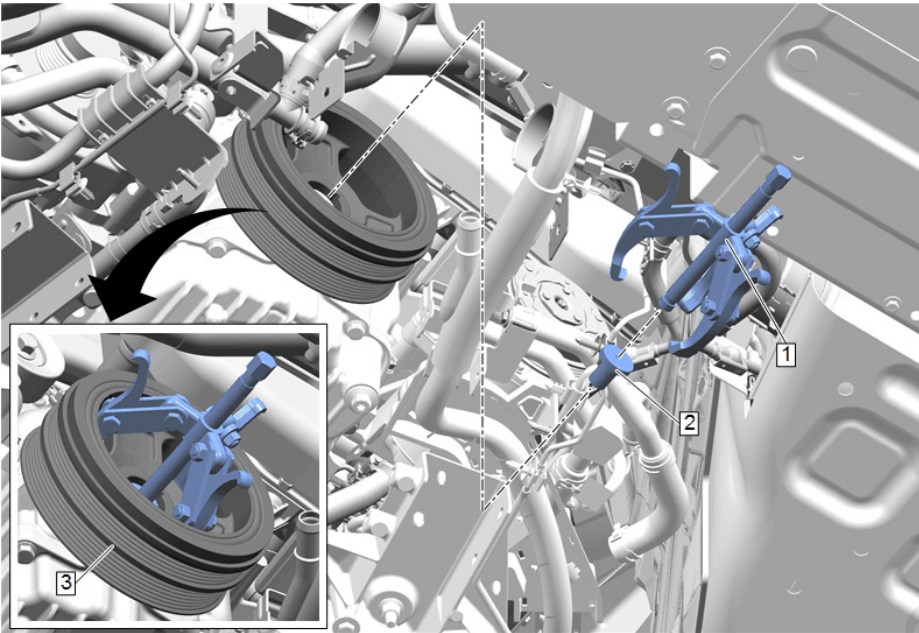


25.
[Click here for full size](#)

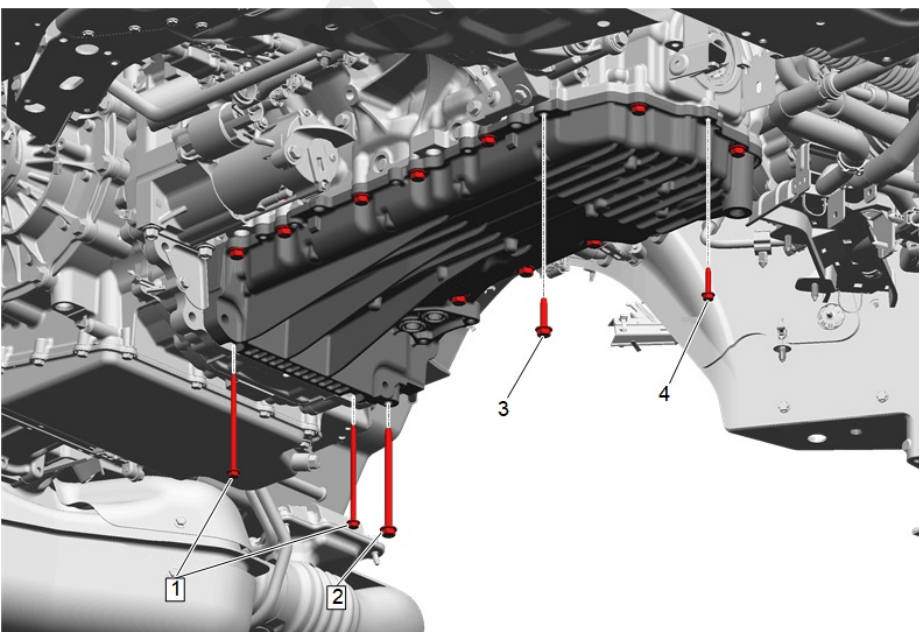
26. Note:

Retain the used crankshaft balancer bolt for installation. Tag the used bolt for disposal at the end of the procedure.

27. Crankshaft Balancer Bolt (1>) >> Remove



28. [Click here for full size](#)
29. *J-25031-A-2* Rotor and Bearing Puller With Guide (1) >> Install
30. [Click here for full size](#)
31. Use the *J-25031-A-2* Rotor and Bearing Puller With Guide (1) to pull the crankshaft balancer (2) back far enough to allow the removal of the front oil pan bolt (3), which is about a 1/4 of an inch.
32. *J-25031-A-2* Rotor and Bearing Puller With Guide (1) >> Remove

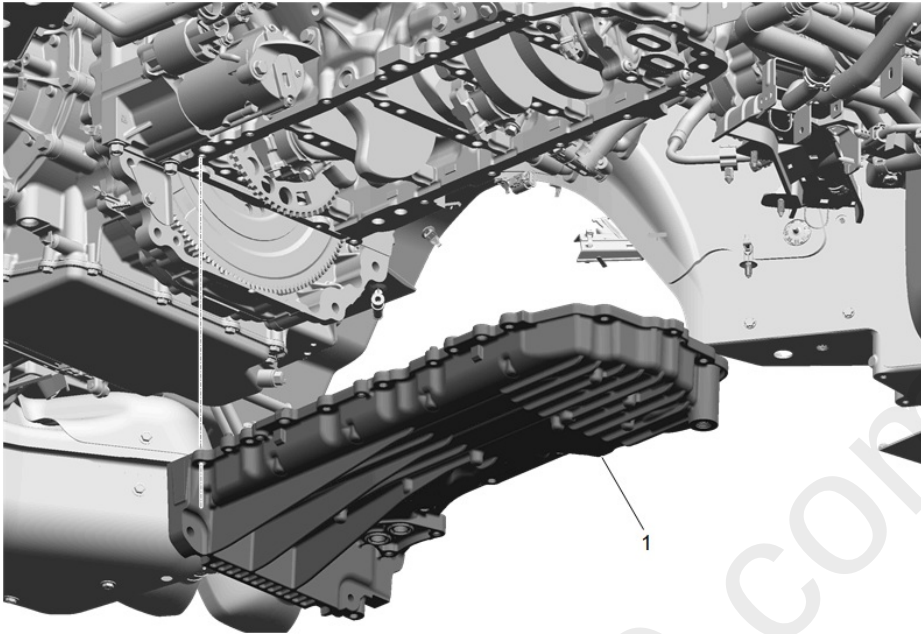


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34. Oil Pan Bolt (1>) >>> Remove [2x]

35. Oil Pan Bolt (2 and 4) >>> Remove

36. Oil Pan Bolt (4>) >>> Remove [13x]



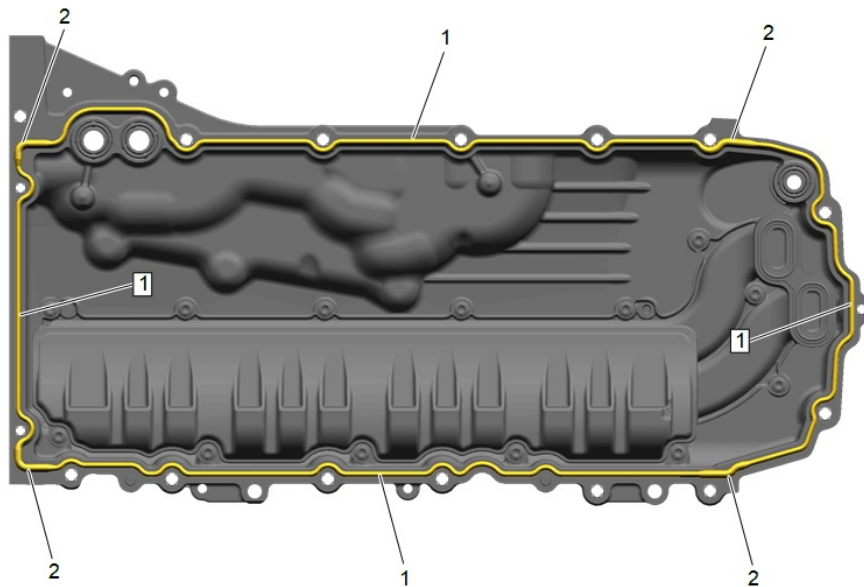
37.

[Click here for full size](#)

38. Oil Pan (1>) >>> Remove

39. If reusing the oil pan and components, refer to Oil Pan Overhaul.

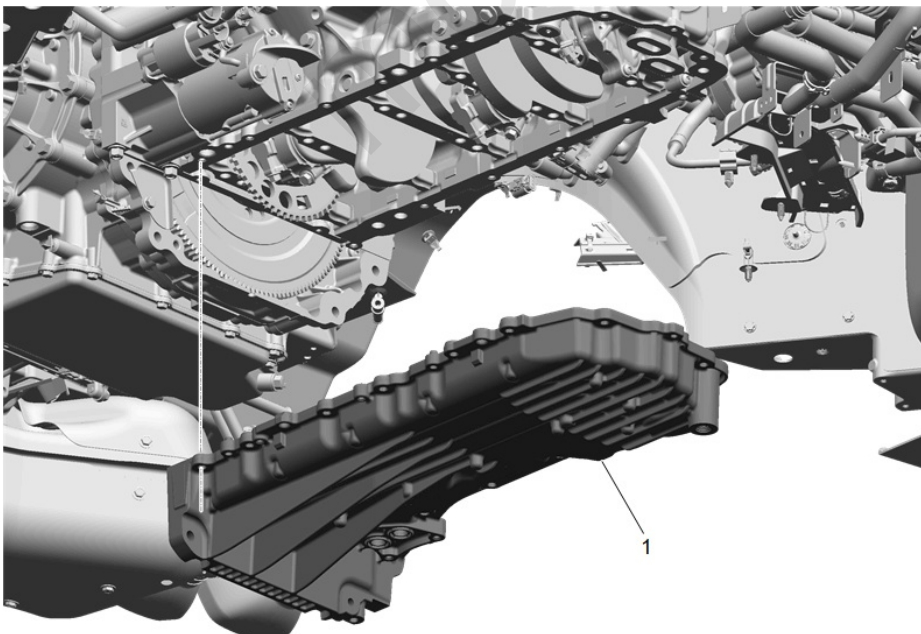
Installation Procedure



1. [Click here for full size](#)
2. Note:

Ensure proper use of room temperature vulcanizing (RTV) sealant. Use of Room Temperature Vulcanizing (RTV) and Anaerobic Sealant

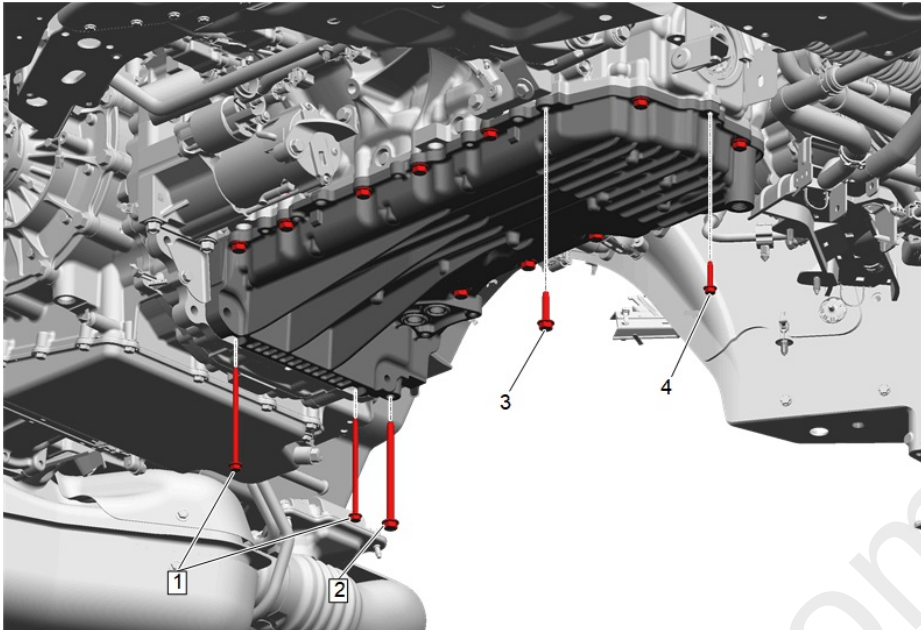
3. Apply a 3 mm (0.118 in) bead of RTV sealant on the oil pan as shown (1). Adhesives, Fluids, Lubricants, and Sealers
4. Apply a 5 mm (0.197 in) bead of RTV sealant on the oil pan as shown (2). Adhesives, Fluids, Lubricants, and Sealers



5. [Click here for full size](#)
6. Note:

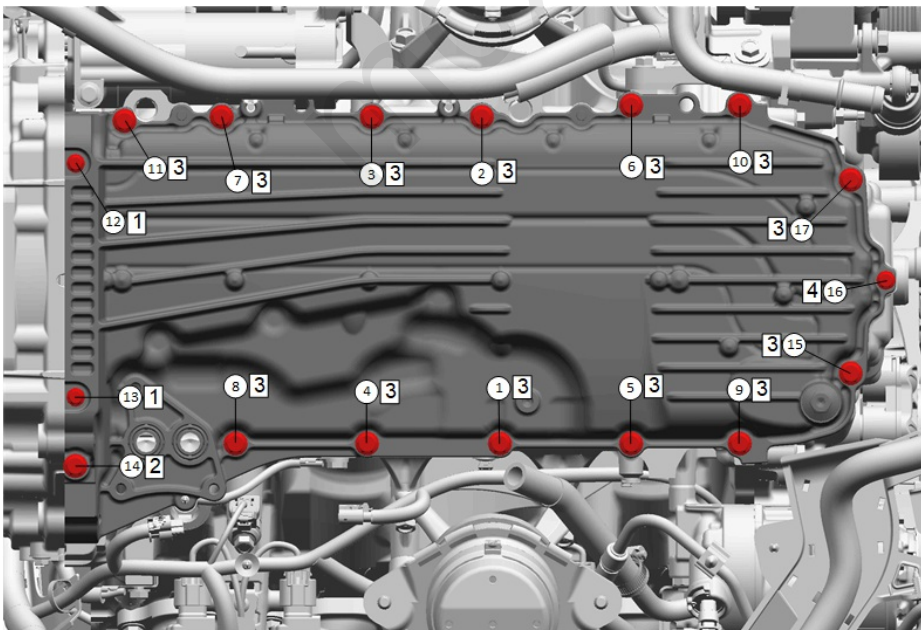
Install and align the oil pan within 10 minutes of applying the sealer.

7. Oil Pan (1>) >> Install



8.
[Click here for full size](#)

9. Oil Pan Bolt (1-4) >> Install and hand tighten [17x]



10.
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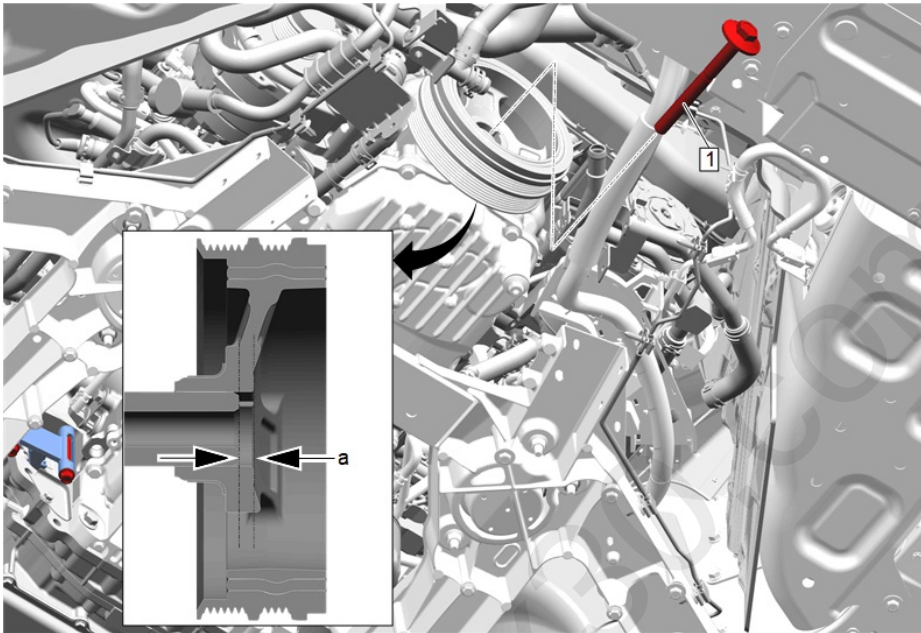
11. Caution:

Refer to Fastener Caution.

12. Tighten the oil pan bolts in sequence:

13.

- Oil Pan Bolt - M6 x 110 [2x](1>)12 N-m (106 lb in)
- Oil Pan Bolt - M8 x 115.8 [1x](2>)15 N-m (11 lb ft)
- Oil Pan Bolt - M8 x 35.7 [13x](3>)25 N-m (18 lb ft)
- Oil Pan Bolt - M6 x 30.6 [1x](4>)10 N-m (89 lb in)



14.

[Click here for full size](#)

15. Caution:

Refer to Fastener Caution.

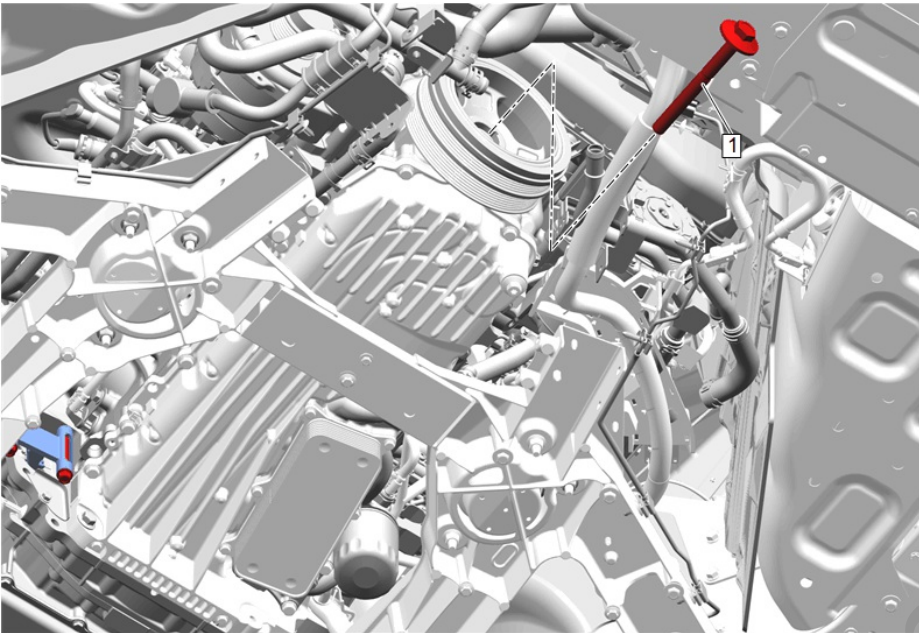
16. Note:

Use the crankshaft balancer bolt retained during the removal procedure to fully seat the crankshaft balancer.

17. Crankshaft Balancer Bolt (1>) >> Install and tighten - Crankshaft Balancer Replacement

18. Crankshaft Balancer Bolt (1>) >> Remove and DISCARD

19. Measure for correctly installed balancer. The end of the crankshaft (a) should be recessed 2.92 - 5.46 mm (0.115 - 0.215 in) into the balancer bore.



20. [Click here for full size](#)

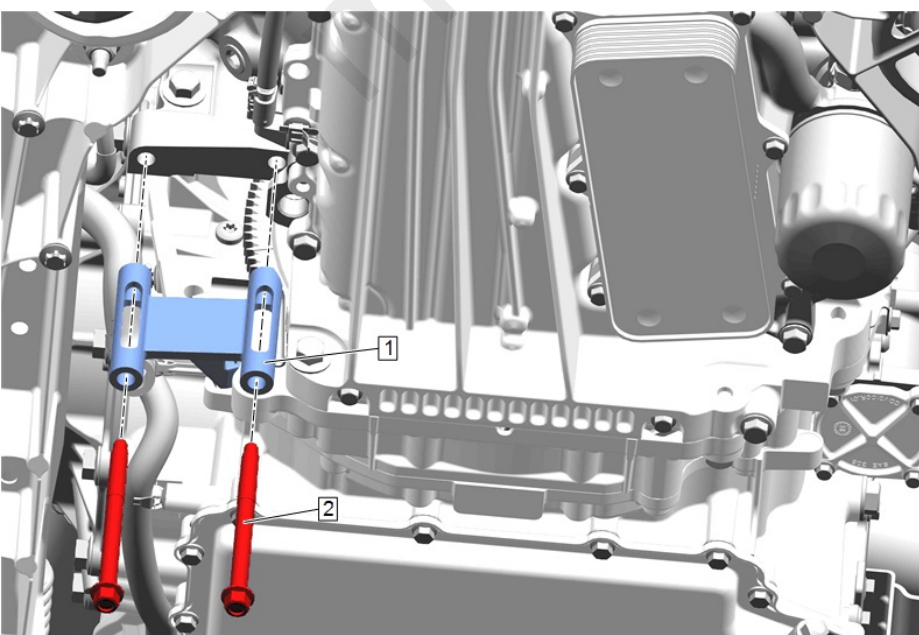
21. **Warning:**

Refer to Torque-to-Yield Fastener Warning.

22. **Caution:**

Refer to Fastener Caution.

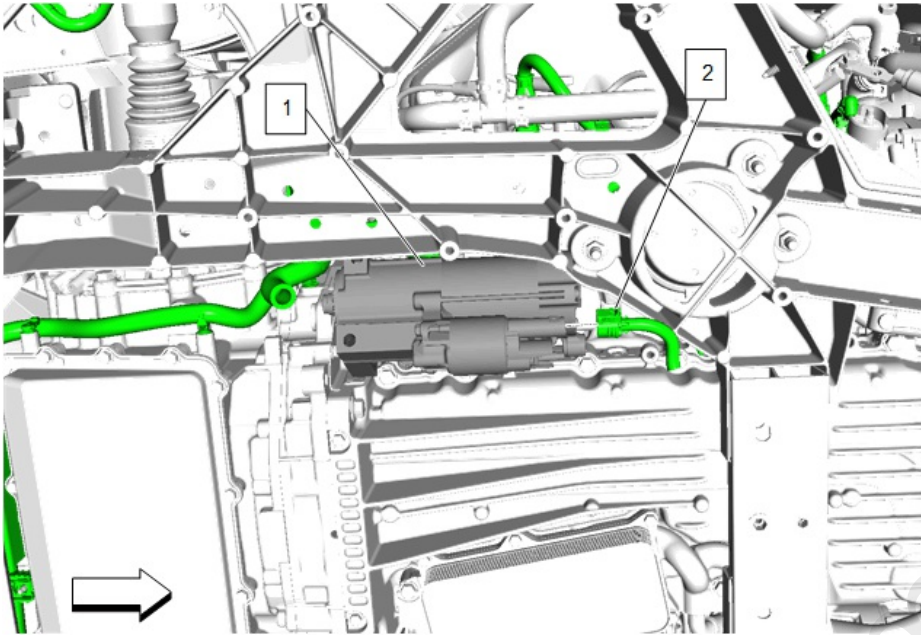
23. Crankshaft Balancer Bolt (1>) >> Install NEW and tighten - Crankshaft Balancer Replacement



24.

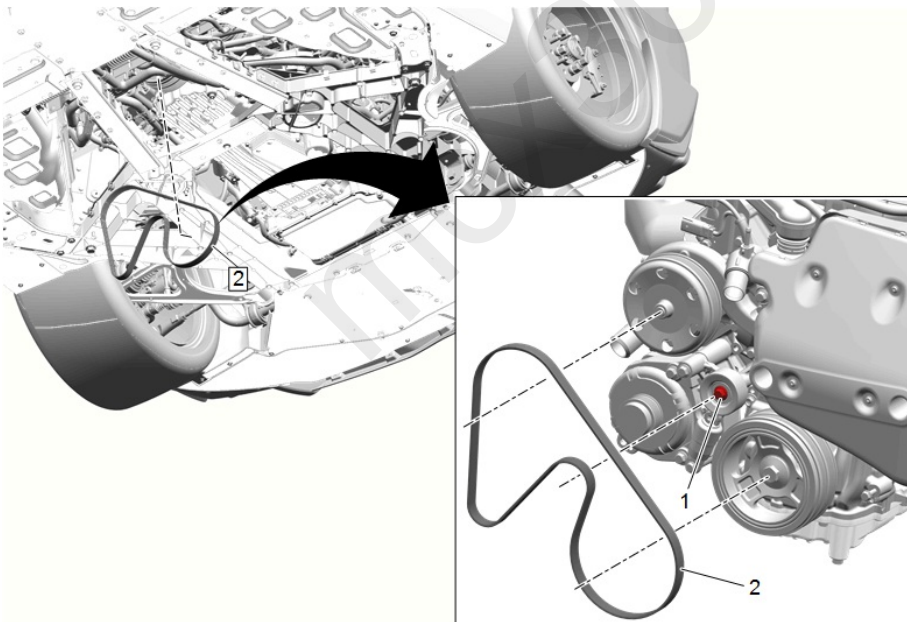
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25. *EN-52751* Flywheel Holding Tool (1>) >> Remove



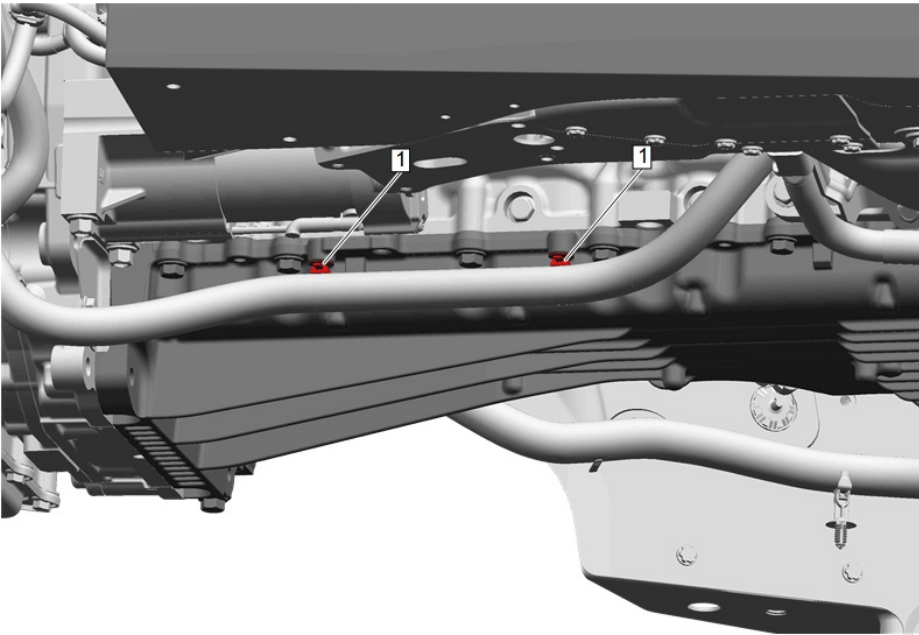
26. [Click here for full size](#)

27. Starter (1>) >> Install - Starter Replacement



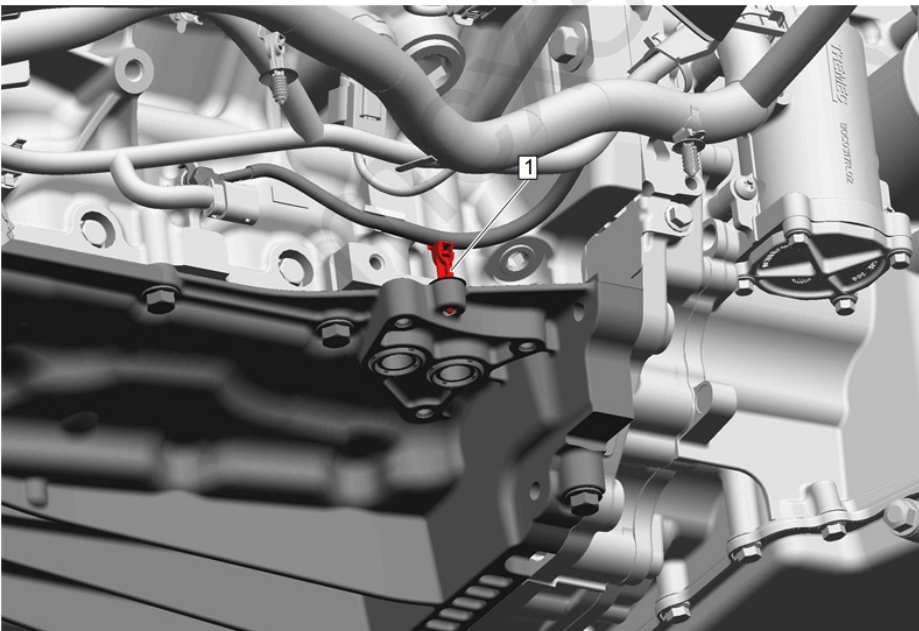
28. [Click here for full size](#)

29. Water Pump and Generator Belt (2>) >> Install NEW - Water Pump and Generator Belt Replacement



30.
[Click here for full size](#)

31. Engine Wiring Harness Retainer (1>) @ Oil Pan >> Install [2>x]



32.
[Click here for full size](#)

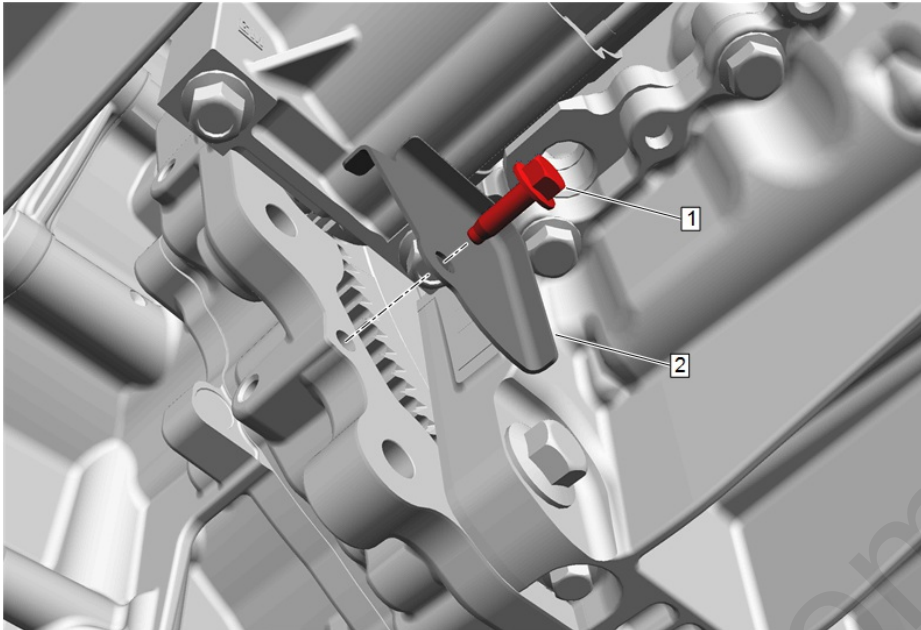
33. Engine Wiring Harness Retainer (1>) @ Oil Pan >> Install

34. [Click here for full size](#)

35. Transmission Bolt (1 and 2) @ Oil Pan >> Install - Transmission Replacement

36. [Click here for full size](#)

37. Transmission Bolt (1>) @ Oil Pan >> Install - Transmission Replacement

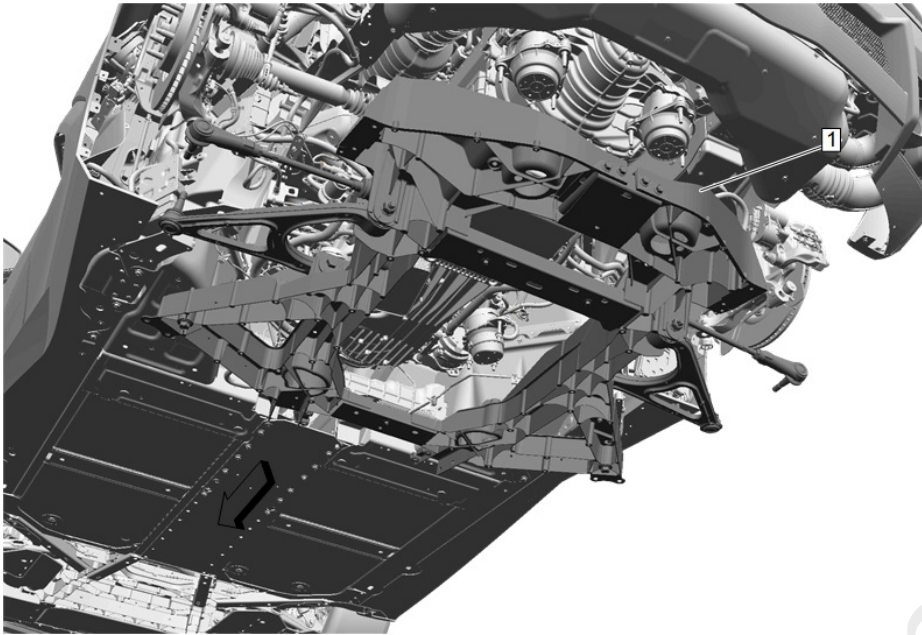


38. [Click here for full size](#)

39. Transmission Converter Cover - Right Side (2>) >> Install - Transmission Converter Cover Replacement - Right Side

40. [Click here for full size](#)

41. Engine Oil Cooler Adapter (2>) >> Install - Engine Oil Cooler Adapter Replacement



42. [Click here for full size](#)
43. Rear Suspension Cradle (1>) >> Install - Rear Suspension Cradle Replacement
44. Fill the engine oil to the proper level with NEW engine oil. Engine Oil and Oil Filter Replacement
45. Connect the battery negative cable. Battery Negative Cable Disconnection and Connection