




Oil Pan (12.60.44)


Removal

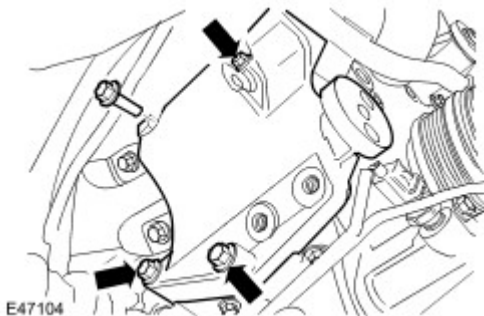
1. Disconnect the battery ground cable. For additional information, refer to [Specifications](#) (Section 414-00)


2.  **WARNING: Do not work on or under a vehicle supported only by a jack. Always support the vehicle on safety stands.**

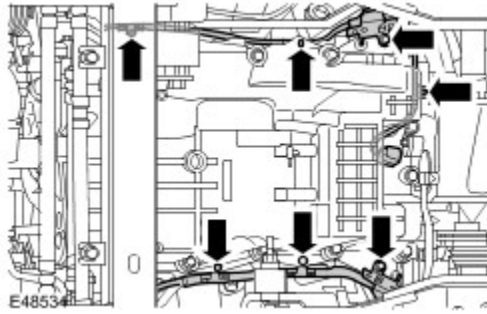
Raise and support the vehicle.

3. Drain the engine oil.
4. Remove the oil cooler assembly. For additional information, refer to [Oil Cooler \(12.60.68\)](#) (Section 303-01)
5. Remove the engine front cover. For additional information, refer to [Engine Front Cover \(12.65.01\)](#) (Section 303-01)
6. Remove the front differential. For additional information, refer to [Axle Assembly \(54.10.01\)](#) (Section 205-03)
7. Remove the steering gear. For additional information, refer to [Steering Gear - 4.4L \(57.10.01\)](#) (Section 211-02)
8. Remove the generator. For additional information, refer to [Generator \(86.10.02\)](#) (Section 414-02)
9. Remove the generator mounting bracket.

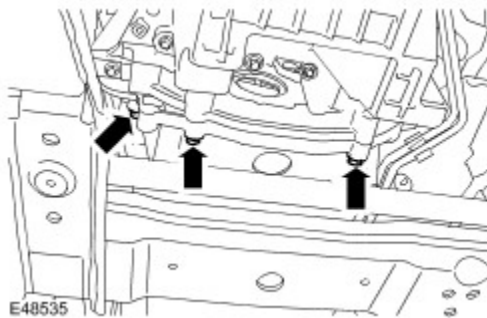
 Remove the 4 bolts.



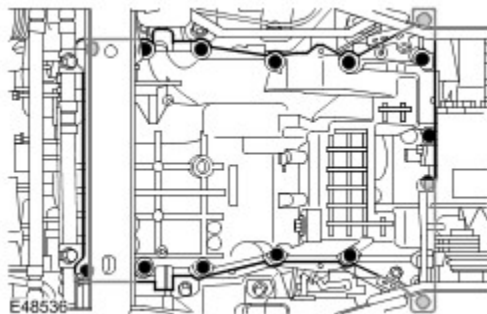
10. Disconnect the heated oxygen sensor (HO2S) electrical connectors.
 Release the 8 wiring harness securing clips.



11. Release the HO2S mounting bracket.
 - Remove the 2 bolts.
12. Release the HO2S wiring harness from the oil pan.
 - Release the 3 clips.
13. Remove the transmission retaining bolts.
 - Remove the 3 bolts.



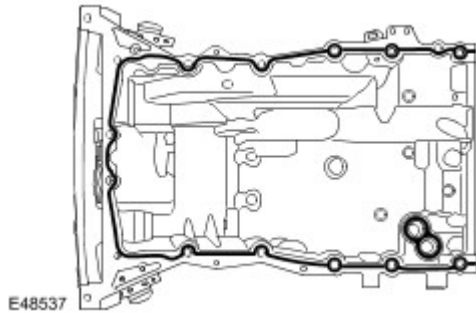
14. Remove the sump pan.
 - Remove the 16 bolts.



Installation

1. Install the sump pan.
 - Clean the component mating faces.
 - Apply a bead of sealant, 3 mm diameter by 130 cm long, to the areas indicated.

- ▶ Tighten the bolts to 20 Nm (15 lb.ft).



2. Install the transmission retaining bolts.
 - ▶ Tighten the bolts to 45 Nm (33 lb.ft).
3. Install the HO2S mounting bracket.
 - ▶ Tighten the 2 bolts to 10 Nm (7 lb.ft).
4. Connect the HO2S electrical connectors.
 - ▶ Install the wiring harness clips.
5. Install the HO2S wiring harness.
 - ▶ Secure the clips.
6. Install the generator mounting bracket.
 - ▶ Clean the component mating faces.
7. Install the generator. For additional information, refer to [Generator \(86.10.02\)](#) (Section 414-02)
8. Install the steering gear. For additional information, refer to [Steering Gear - 4.4L \(57.10.01\)](#) (Section 211-02)
9. Install the front differential. For additional information, refer to [Axle Assembly \(54.10.01\)](#) (Section 205-03)
10. Install the oil cooler assembly. For additional information, refer to [Oil Cooler \(12.60.68\)](#) (Section 303-01)
11. Install the engine front cover. For additional information, refer to [Engine Front Cover \(12.65.01\)](#) (Section 303-01)
12. Fill the engine with oil.
13. Connect the battery ground cable. For additional information, refer to [Specifications](#) (Section 414-00)