



Power Steering Pump - 2.7L Diesel (57.20.14)

Removal

1. Disconnect the battery ground cable. For additional information, refer to [Specifications](#) (Section 414-00)
2. Remove the engine cover. For additional information, refer to [Engine Cover - 2.7L Diesel \(12.30.50\)](#) (Section 501-05)
3. Remove the cooling fan shroud. For additional information, refer to [Cooling Fan Shroud \(26.25.11\)](#) (Section 303-03)
4. Remove the accessory drive belt. For additional information, refer to [Accessory Drive Belt \(86.10.03\)](#) (Section 303-05)

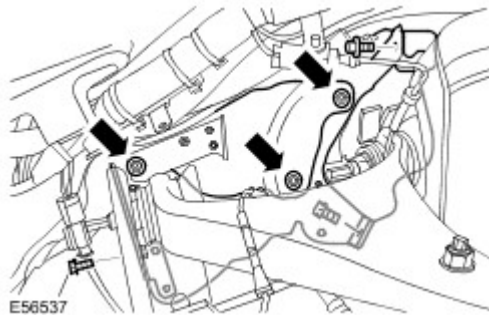
5.



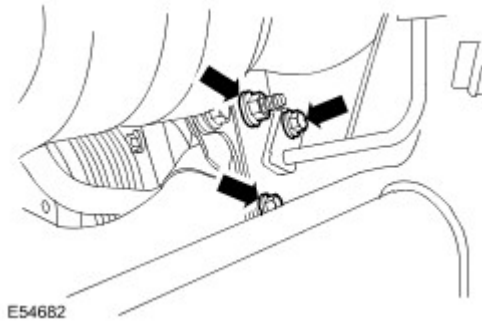
WARNING: Do not work on or under a vehicle supported only by a jack. Always support the vehicle on safety stands.

Raise and support the vehicle.

6. Remove the LH front wheel and tire.
7. Remove the front LH fender splash shield. For additional information, refer to [Fender Splash Shield \(76.10.48\)](#) (Section 501-02)
8. Remove the upper suspension arm and brake line heat shields for access.

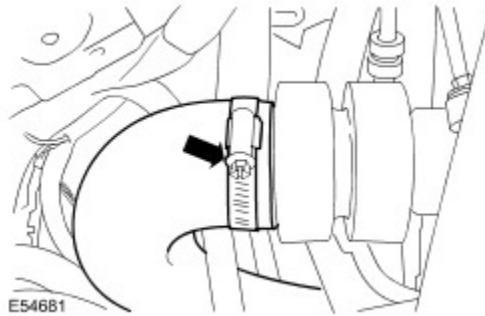


9. Release the charge air cooler inlet pipe.
 - ▶ Remove the two retaining bolts.
 - ▶ Remove the retaining nut.



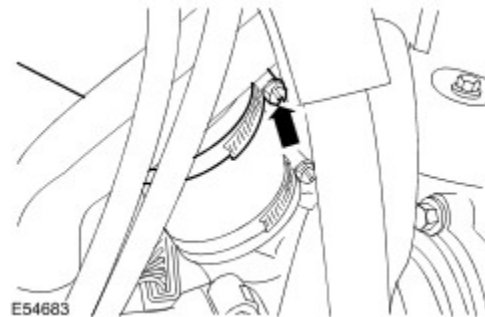
10. Disconnect the charge air cooler inlet hose.

▶ Loosen the clip.



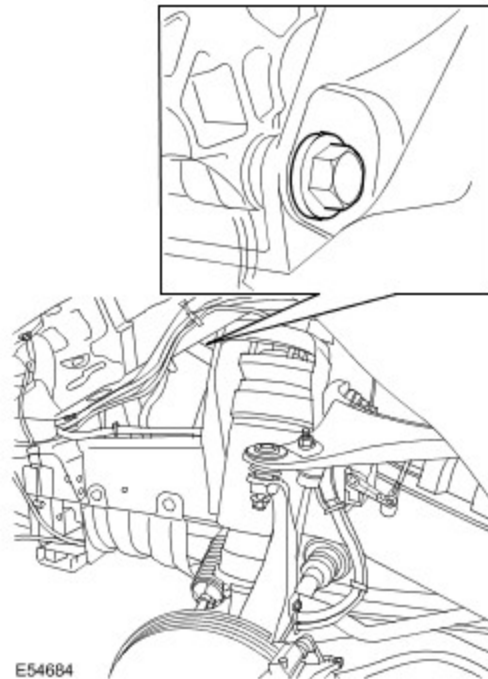
11. Disconnect the charge air cooler inlet hose.

▶ Loosen the clip.



12. Remove the power steering pump rear retaining bolt.

▶ Reposition the charge air cooler inlet pipe to gain access to the power steering pump retaining bolt.



13.



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

Lower the vehicle.

14.



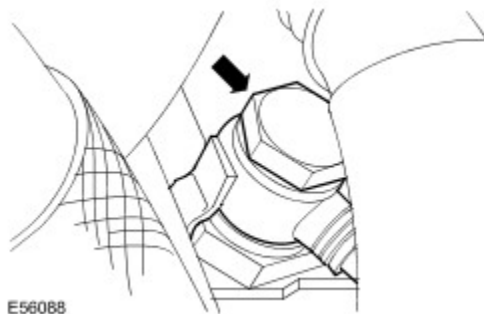
CAUTION: If power steering fluid comes into contact with the paintwork, the affected area must be immediately washed down with cold water.



CAUTION: Make sure the timing blade on the high-pressure pipe union is not damaged.

Disconnect the power steering high-pressure pipe union.

- ▶ Remove and discard the two sealing washers.
- ▶ Install blanking caps to the exposed ports.
- ▶ Allow the fluid to drain into a container.



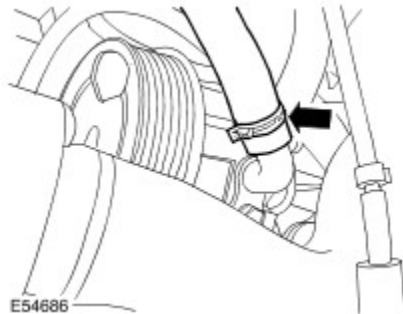
15.



CAUTION: If power steering fluid comes into contact with the paintwork, the affected area must be immediately washed down with cold water.

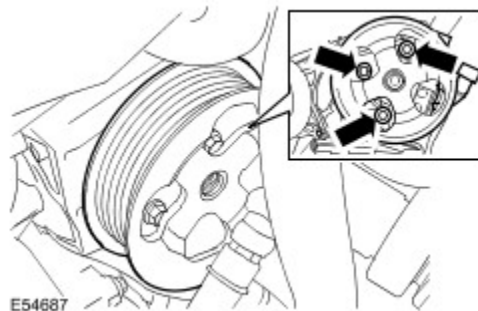
Disconnect the power steering pump supply hose.

- ▶ Clamp the power steering pump supply hose to minimise fluid loss.
- ▶ Install blanking caps to the exposed ports.



16. Remove the power steering pump.

- ▶ Remove the three retaining bolts.



Installation

1. Install the power steering pump.
 - ▶ Loosely install the power steering pump rear retaining bolt.
2. Install the power steering pump front retaining bolts.
 - ▶ Install the three retaining bolts.
 - ▶ Tighten to 22 Nm (16 lb.ft).
3. Connect the power steering supply hose.
 - ▶ Remove the blanking caps from the ports.
 - ▶ Remove the hose clamp.
4. Tighten the power steering pump rear retaining bolt to 22 Nm (16 lb.ft).
- 5.



CAUTION: Make sure the timing blade on the high-pressure pipe union is correctly seated.

Connect the power steering high-pressure pipe union.

- ▶ Remove the blanking caps from the ports.
- ▶ Install new sealing washers.
- ▶ Tighten the union to 25 Nm (18 lb.ft).
- ▶ Remove the container.

6 . Connect the charge air cooler inlet hose.

- ▶ Tighten the clips.

7 . Secure the charge air cooler inlet pipe.

- ▶ Install the two retaining bolts.
- ▶ Install the retaining nut.
- ▶ Tighten to 10 Nm (7 lb.ft).

8 . Install the upper suspension arm and brake line heat shields.

9 . Install the front LH fender splash shield. For additional information, refer to [Fender Splash Shield \(76.10.48\)](#) (Section 501-02)

10 . Install the wheel and tire.

11 . Install the accessory drive belt. For additional information, refer to [Accessory Drive Belt \(86.10.03\)](#) (Section 303-05)

12 . Install the cooling fan shroud. For additional information, refer to [Cooling Fan Shroud \(26.25.11\)](#) (Section 303-03)

13 . Check and top-up power steering fluid level. For additional information, refer to [Power Steering System Filling and Bleeding](#) (Section 211-00)

14 . Install the engine cover. For additional information, refer to [Engine Cover - 2.7L Diesel \(12.30.50\)](#) (Section 501-05)

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