




Air Conditioning (A/C) Compressor (82.10.20)


Removal

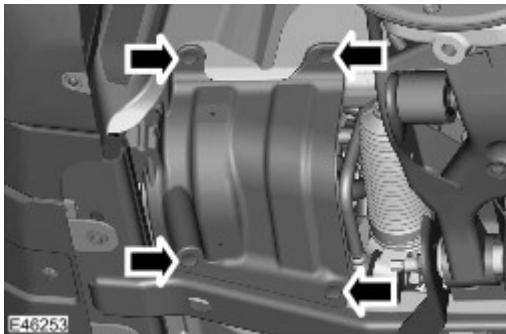
1. Disconnect the battery ground cable. For additional information, refer to [Specifications](#) (Section 414-00)
2. Recover the A/C refrigerant. For additional information, refer to [Air Conditioning \(A/C\) System Recovery, Evacuation and Charging \(82.30.02\)](#) (Section 412-00)

3.  **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.

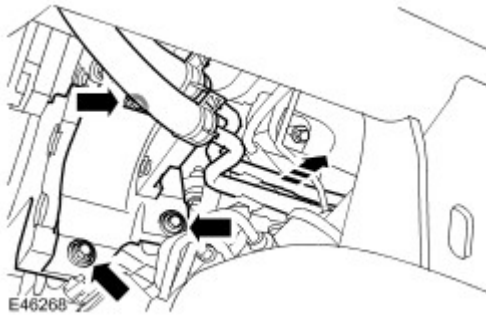
4. Remove the front wheel.
5. Remove the fender splash shield. For additional information, refer to [Fender Splash Shield \(76.10.48\)](#) (Section 501-02)
6. Remove the splash shield.

 Remove the 4 screws.

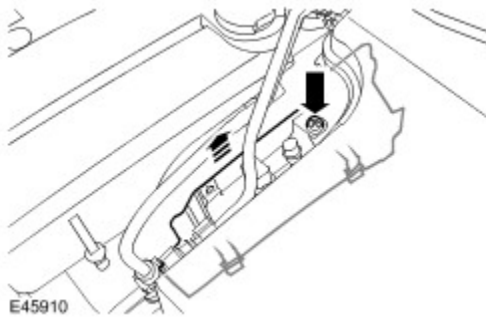



7. Remove the power steering pump. For additional information, refer to [Power Steering Pump - 4.4L \(57.20.14\)](#) (Section 211-02)
8. Release the transmission cooler pipe clips.
9. Remove the power steering pump mounting bracket.

 Remove the 3 bolts.



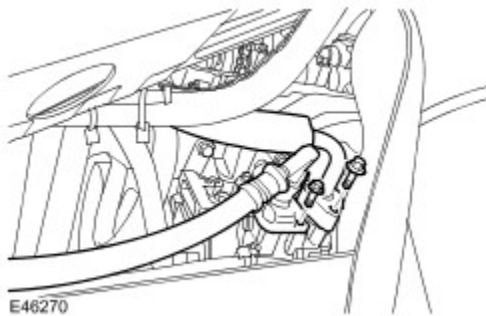
10. Remove the engine compartment LH upper heat shield.



11.  **CAUTION: Always plug any open connections to prevent contamination.**

Disconnect the refrigerant lines from the A/C compressor.

- Remove the 2 bolts.
- Remove and discard the O-ring seal.

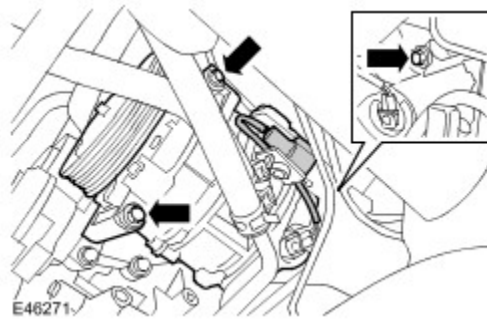


12. Disconnect the A/C clutch electrical connector.

13.  **CAUTION: Always plug any open connections to prevent contamination.**

Remove the A/C compressor.

- Remove the 3 bolts.



Installation

- 1 . Install the new A/C compressor.
 - If a new compressor is being installed, drain the required amount of refrigerant oil from the new compressor.
 - Tighten the bolts to 25 Nm (18 lb.ft).
- 2 . Connect the A/C clutch electrical connector.
- 3 . Connect the refrigerant lines.
 - Clean the component mating faces.
 - Install the new O-ring seals.
 - Tighten the bolts to 10 Nm (7 lb.ft).
- 4 . Install the engine compartment upper LH heat shield.
- 5 . Install the power steering pump mounting bracket.
 - Clean the component mating faces.
 - Tighten the bolts to 25 Nm (18 lb.ft).
- 6 . Install the power steering pump. For additional information, refer to [Power Steering Pump - 4.4L \(57.20.14\)](#) (Section 211-02)
- 7 . Secure the transmission cooler pipes into clips.
- 8 . Install the fender splash shield. For additional information, refer to [Fender Splash Shield \(76.10.48\)](#) (Section 501-02)
- 9 . Install the splash shield.
- 10 . Install the front wheel.
 - Tighten the nuts to 115 Nm (85 lb.ft).
- 11 . Lower the vehicle.
- 12 . Fill the A/C system. For additional information, refer to [Air Conditioning \(A/C\) System Recovery](#).

[Evacuation and Charging \(82.30.02\)](#) (Section 412-00)

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