




## Air Conditioning (A/C) Compressor (82.10.20)

### Removal

1. Disconnect the battery ground cable. For additional information, refer to (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.**

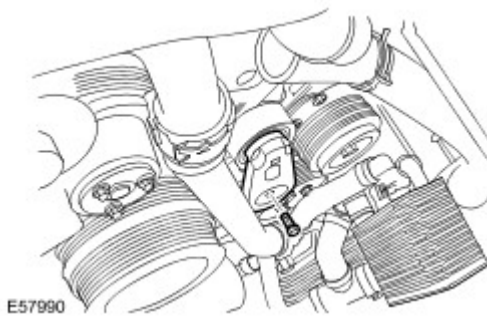
Raise and support the vehicle.

3. 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)

4. Remove the accessory drive belt. For additional information, refer to (Section 303-05)

5. Remove the accessory drive belt tensioner.

➤ Remove the bolt.



6. Remove the oil level indicator and tube. For additional information, refer to (Section 303-01)

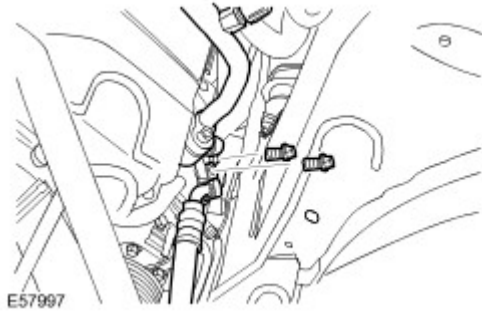
7. Remove the LH front wheel.

8.  **CAUTION: Immediately cap all refrigerant lines to prevent ingress of dirt and moisture.**

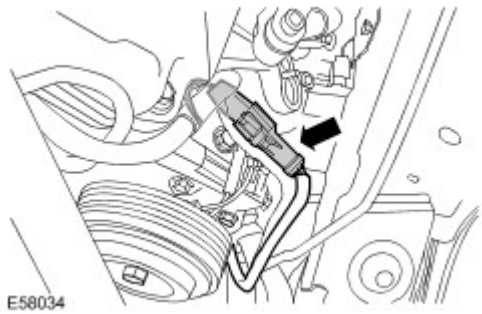
Disconnect the refrigerant lines from the A/C compressor.

➤ Remove the 2 bolts.

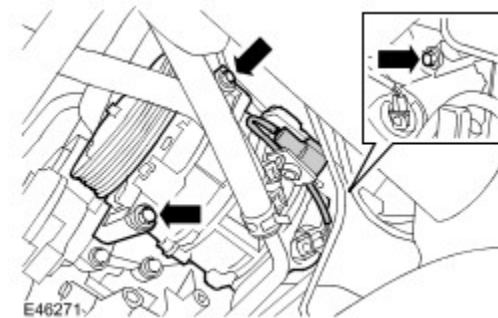
➤ Remove and discard the 2 O-ring seals.



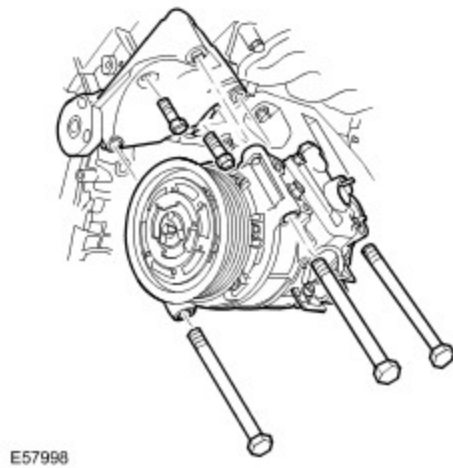
9. Disconnect the A/C clutch electrical connector.



10. **NOTE :**  
1 A/C compressor bolt will remain captive until the mounting bracket is removed.  
Release the A/C compressor.  
➤ Remove the 3 bolts.




11. Remove the A/C compressor mounting bracket.  
➤ Remove the 2 bolts.



12. Remove the A/C compressor.

## Installation

1. Position the A/C compressor to the engine.
  - ▶ If a new compressor is being installed, the required amount of refrigerant oil must be drained from it.
2. Install the A/C compressor mounting bracket.
  - ▶ Tighten the bolts to 25 Nm (18 lb.ft).
3. Secure the A/C compressor.
  - ▶ Tighten the bolts to 25 Nm (18 lb.ft).
4. Connect the A/C clutch electrical connector.
5.  **CAUTION: Lubricate the new seals with clean refrigerant oil.**
  - Connect the refrigerant lines.
    - ▶ Clean the component mating faces.
    - ▶ Install the new O-ring seals.
    - ▶ Tighten the bolts to 10 Nm (7 lb.ft).
6. Install the front wheel.
  - ▶ Tighten the wheel nuts to 140 Nm (103 lb.ft).
7. Lower the vehicle.
8. Install the oil level indicator and tube. For additional information, refer to (Section 303-01)
9. Install the accessory drive belt tensioner.



Tighten the bolt to 40 Nm (30 lb.ft).

- 10 . Install the accessory drive belt. For additional information, refer to (Section 303-05)
- 11 . 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)
- 12 . Connect the battery ground cable. For additional information, refer to (Section 414-00)