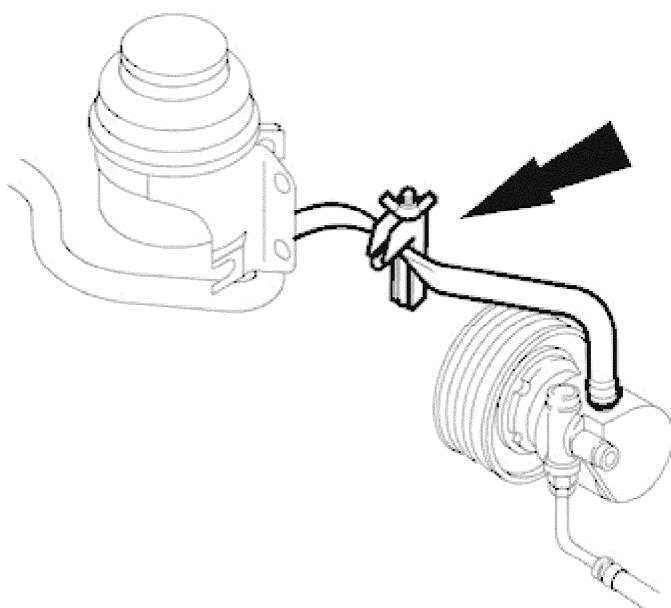


Air Conditioning (A/C) Compressor 82.10.20

Removal

1. Disconnect battery ground cable (IMPORTANT, see SRO <<86.15.19>> for further information).
2. Recover refrigerant from air conditioning system; refer to <<82.30.30>>.
3. Remove supercharger drive belt (where fitted); refer to <<18.50.08>>.
4. Remove front end accessory drive belt; refer to <<12.10.40>> or (SC) 12.10.40.



E34301

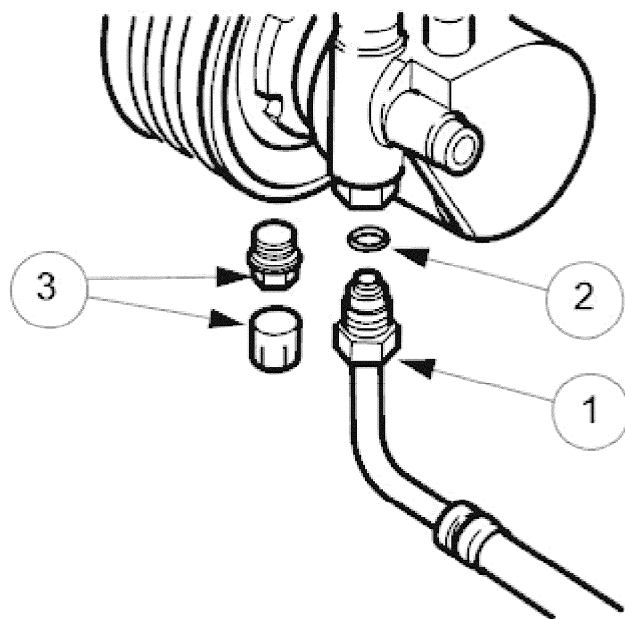
5. NOTE:

A commercially available brake pipe clamp is recommended. Do not over tighten.

Clamp power steering reservoir to pump feed hose.

6. Raise vehicle for access

1999 XK RANGE - Air Conditioning - 412-03



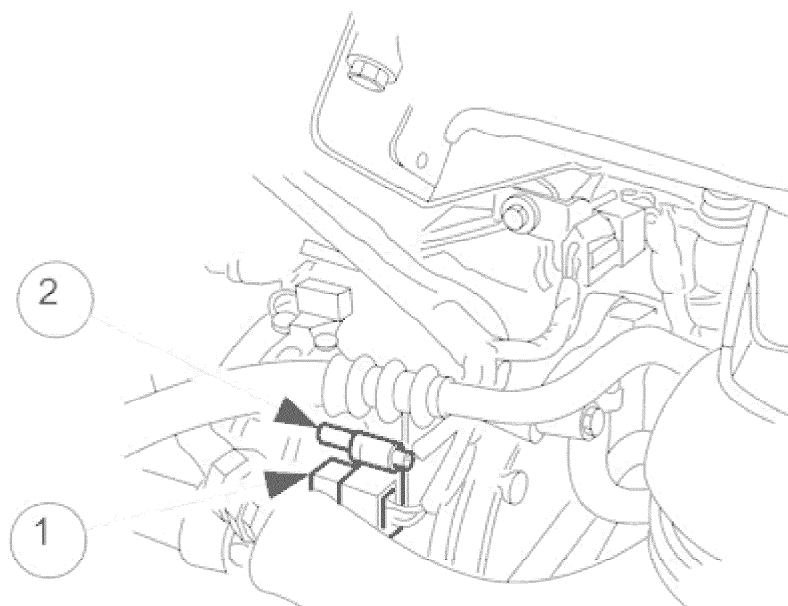
E34302

7. **NOTE:**

Position drain tin to collect the fluid when union nut is released.

Disconnect steering rack hose from pump.

1. Release union nut.
2. Discard O-ring.
3. Fit suitable blanking plugs.

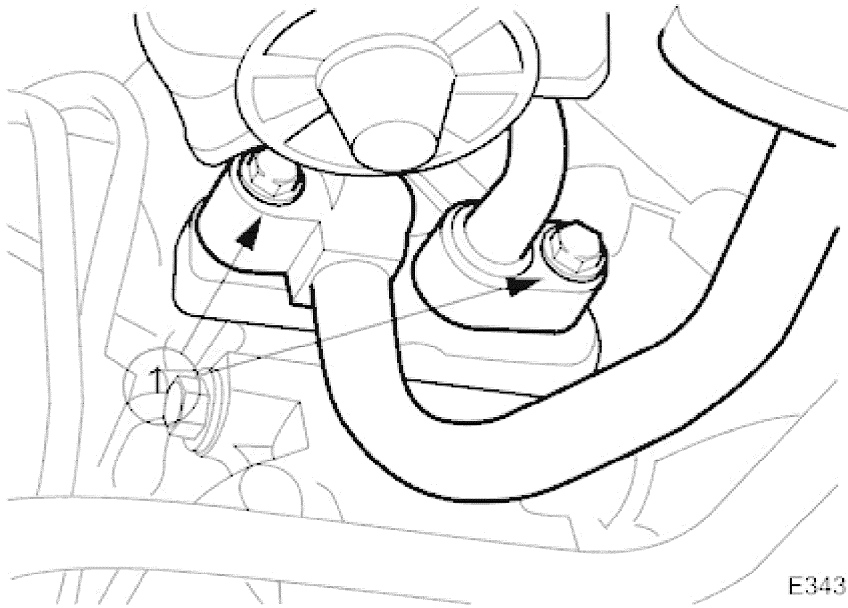


E35392

8. Disconnect clutch harness connector from compressor.

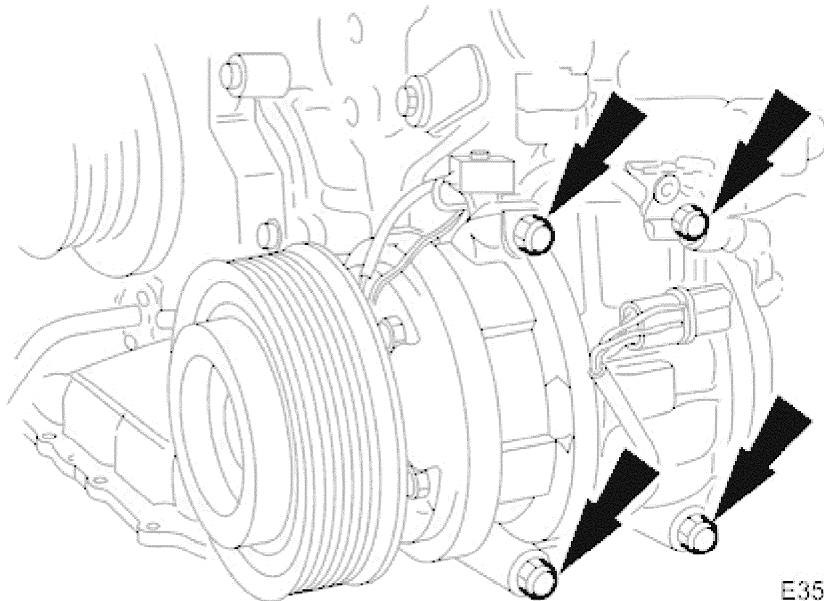
1. Disconnect connector.

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E34310

9. Remove suction and discharge pipes from compressor.
- Discard O-rings.
 - Fit suitable blanking plugs.



E35393

10. **NOTE:**
Reposition compressor after releasing the fixings to allow removal.

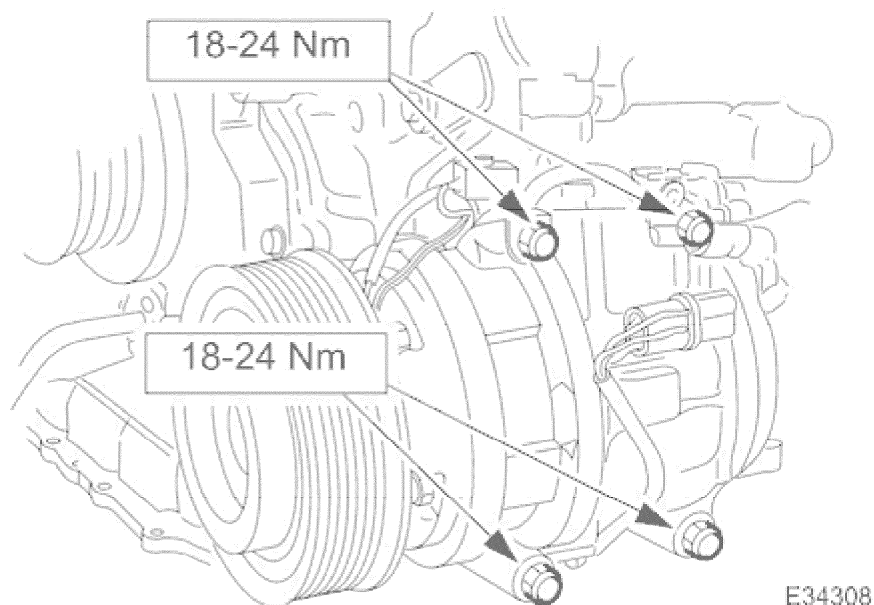
- Remove compressor.
- Remove bolts.

11. **NOTE:**
This step is not necessary in the case of refrigerant loss.

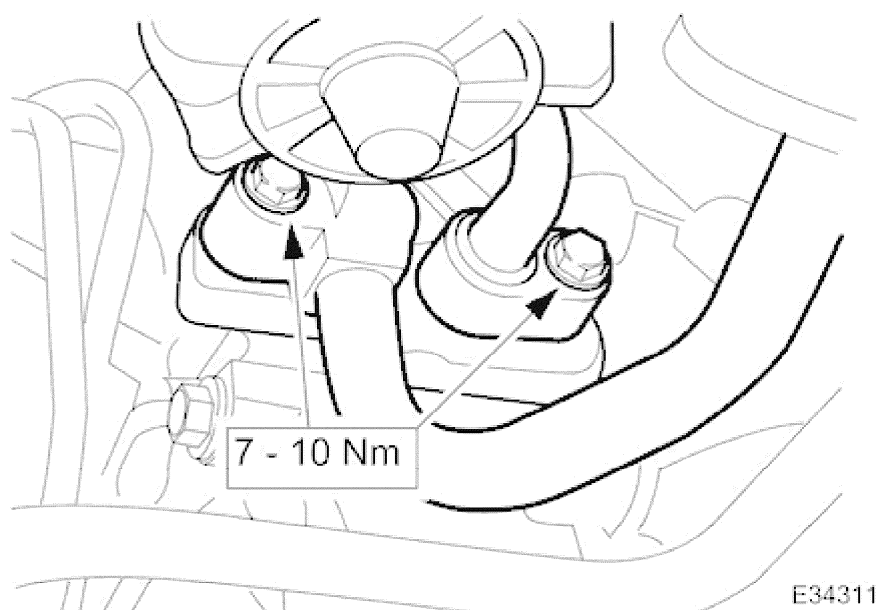
- Measure amount of oil held in compressor.
- Remove blanking plugs from the compressor.
 - Pour oil from compressor into a suitable measuring container. Note amount and discard the oil.
 - Fit blanking plugs to compressor.

Installation

1. Fill new compressor with correct amount of oil.
 - Remove blanking plugs from compressor.
 - Pour oil from compressor into a suitable container.
 - Fill compressor with the same amount of oil that was removed from original compressor, plus amount recovered from recovery equipment.
 - Fit blanking plugs to compressor.

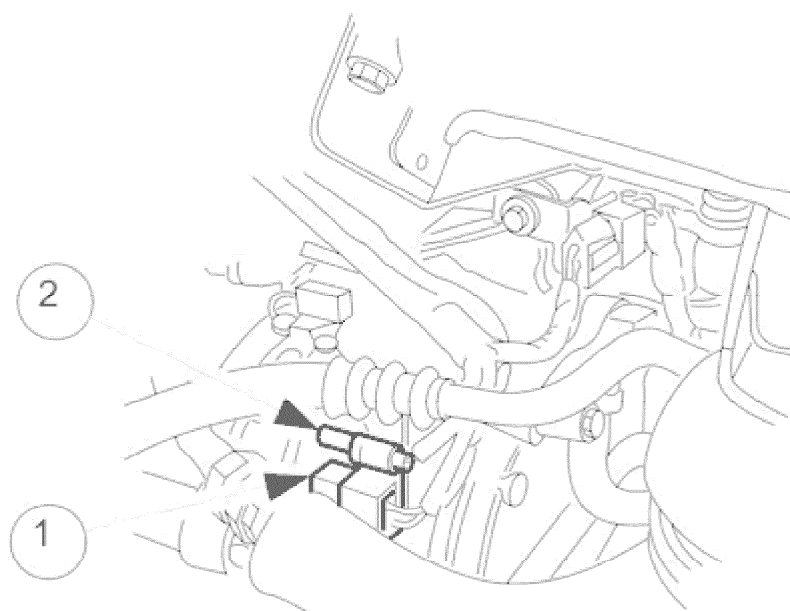


2. Install compressor.
 - Tighten fixings.



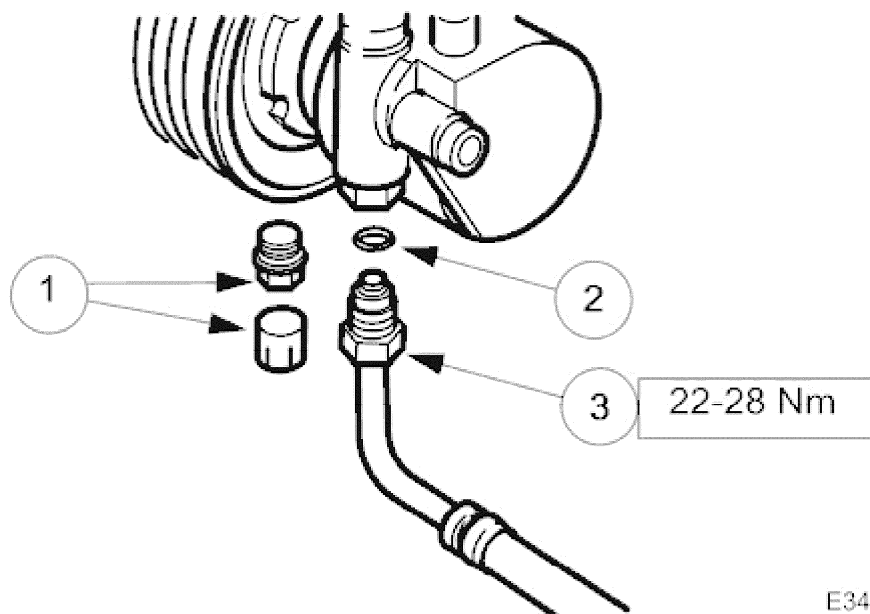
3. Fit suction and discharge pipes.
 - Fit new O-rings.
 - Tighten fixings.

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E35392

4. Connect clutch harness connector to compressor.
1. Connect clutch connector.

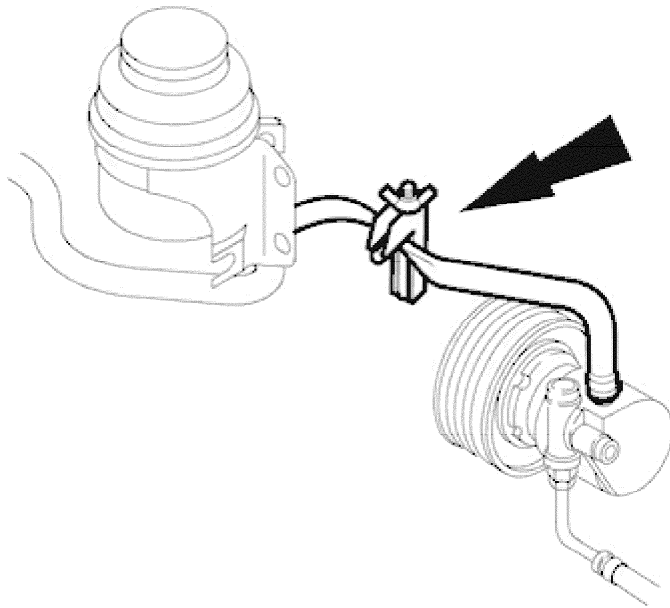


E34309

5. Connect power steering hose to pump.
1. Remove blanking plugs.
2. Fit new O-ring to hose.
3. Tighten union nut.

6. Lower ramp.

1999 XK RANGE - Air Conditioning - 412-03



E34301

7. Unclamp power steering reservoir to pump feed hose.
8. Install front end accessory drive belt; refer to <<12.10.40>> or (SC) 12.10.40.
9. Install supercharger drive belt (where fitted); refer to <<18.50.08>>.
10. Reconnect battery ground cable (IMPORTANT, see SRO <<86.15.15>> for further information).
11. Recharge air conditioning system; refer to <<82.30.30>>.
12. Check / bleed / top up power steering fluid reservoir; refer to <<211-02>>.