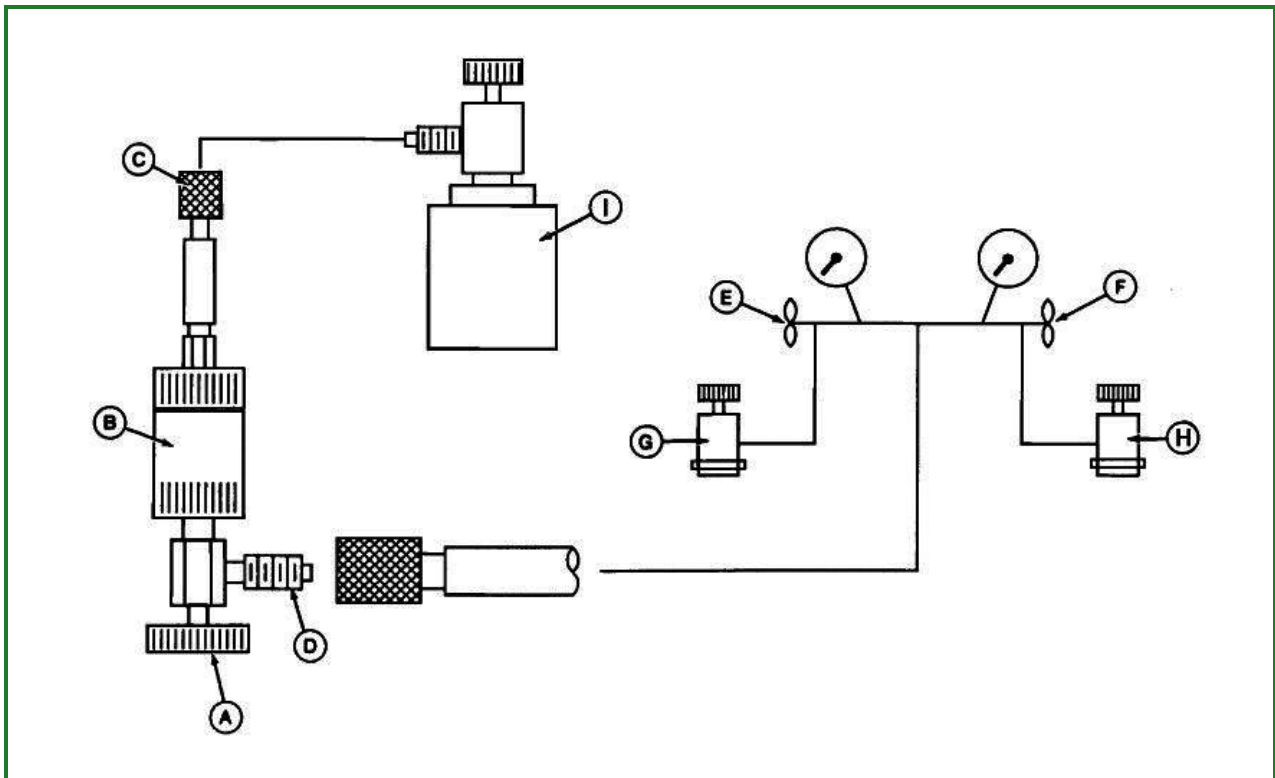


Add Refrigerant Oil to Pressurized System



RW78177-UN: Pressurized System

LEGEND:

- A - Needle Valve
- B - JT02129 Air Conditioning Oil Injector
- C - Hose End
- D - Injector End
- E - Low-Pressure Valve
- F - High-Pressure Valve
- G - Low-Pressure Quick Connector
- H - High-Pressure Quick Connector
- I - Refrigerant Container

NOTE:

JT02129 Air Conditioning Oil Injector is designed to add up to 60 mL (2 fl oz) of refrigerant oil to a system that is already pressurized. A/C Oil Injector can also add oil if the system has no pressure or is under a vacuum.

1. Close needle valve (A) on JT02129 Air Conditioning Oil Injector (B).
2. Add up to 60 mL (2 fl oz) of refrigerant oil into JT02129 Air Conditioning Oil Injector (B).
3. Connect hose end of injector to a (R134a) 360 mL (12 fl oz) refrigerant supply can.
4. Connect other end of injector (D) to the center hose of a gauge manifold set and bleed air from hoses, if necessary.
5. Connect gauge manifold connector (G) to the suction, and gauge manifold connector (H) to the discharge connector fittings on the compressor.

6. Operate engine at 1500 rpm and turn compressor switch on.
7. Open the suction side valve (E) on the gauge set and the valve on the refrigerant supply can (I).
8. Hold injector upright with valve at the bottom.
9. Open valve on injector for five seconds to force oil into the system.

10.

NOTE:

Suction pressure will increase when oil enters the compressor, and decrease after oil has passed through the compressor.

Open injector valve for five seconds to ensure all oil has been forced into the system.

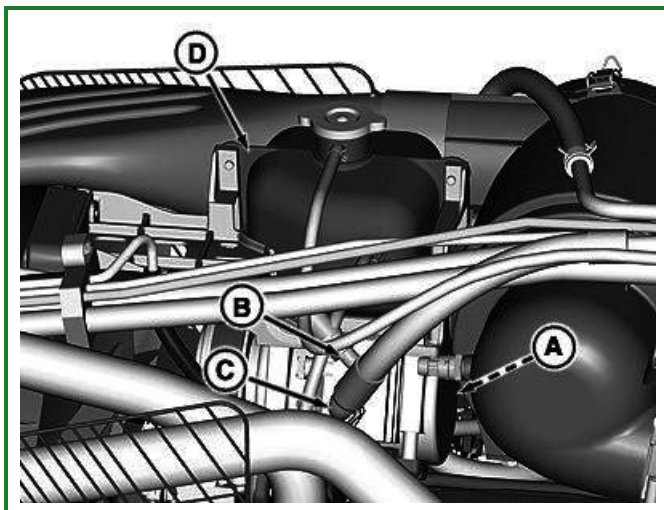
11. Repeat Steps 2—10 if additional oil is required.
12. Close gauge set and refrigerant supply valves. Slowly loosen the hoses to relieve the pressure.
13. Remove injector and cap both ends.

Go to [Section_90:Group_10](#)

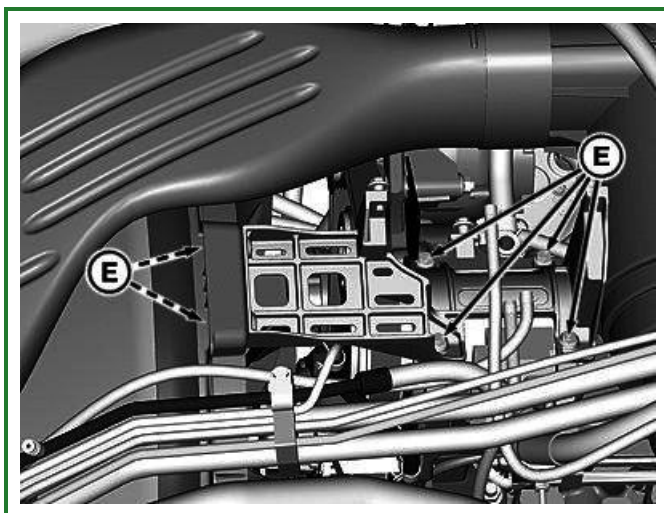
OURX956,00003C8-19-20051028

Remove and Install Compressor

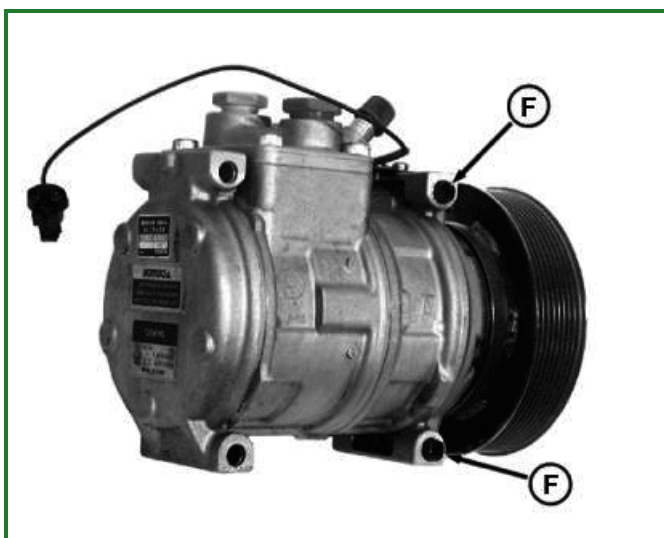
1.



RXA0086922-UN: A/C Compressor Suction & Discharge Lines



RXA0086952-UN: Deaeration Tank



RXA0081183-UN: Compressor Spring Bushings

LEGEND:

A - Coil Wire

B - Discharge Line

C - Suction Line

- D - Deaeration Tank
- E - Cap Screws (6 used)
- F - Spring Bushings

Discharge system. (See Discharge Air Conditioning System in this group.)

2. Drain engine coolant.
3. Remove belt from compressor pulley.
4. Disconnect clutch coil wire (A).
5. Disconnect suction (C) and discharge (B) lines from compressor. Cap all lines and fittings to prevent contamination.
6. Remove deaeration tank (D)
7. Remove cap screws (E) and remove compressor.
8. Check refrigerant oil charge. (See Determine Correct Refrigerant Oil Charge in this group.)
9. Flush complete system if compressor failed internally due to damaged parts or seizure. (See Flush Air Conditioning System in this group.)
10. IMPORTANT:
 Not flushing complete system if compressor failed will cause repeat failures of air conditioning system.
 Add required oil. (See Determine Correct Refrigerant Oil Charge in this group.)
11. Remove spring bushings (F) from old compressor by compressing bushings with a pliers and pulling out.
12. IMPORTANT:
 Spring bushings must be in both cap screw holes of compressor. Without spring bushings, misalignment can occur causing belt damage.
 Install spring bushings in front holes of compressor with beveled edge facing out.
13. Install compressor and connect suction (C) and discharge (B) lines; then tighten to specification.

Item	Measurement	Specification
Compressor Lines		
Suction	Torque	38 N·m (28 lb-ft)
Discharge	Torque	36 N·m (27 lb-ft)

14. Attach ground wires to compressor.
15. Connect clutch coil wire (A). Install belt.
16. Purge, evacuate, and recharge system. (See Purge Air Conditioning System, Evacuate Air Conditioning System, and Charge Air Conditioning System in this group.)

IMPORTANT:

If new compressor clutch was installed, turn compressor on and off (engine running) in one second