

SAFETY PRECAUTIONS

⚠ WARNING: DENSO compressors are sealed, pressurized and contain factory-specified amounts of refrigerant oil used in the original design of the unit. PRIOR to removal of shipping plates or unit installation, you must read these instructions completely.

- Always wear safety goggles.
- Avoid skin contact with refrigerant or refrigerant oil.
- Work in a well-ventilated area.
- Never release refrigerant into the atmosphere.
- Never expose refrigerant container to direct heat or temperature in excess of 125 °F.
- Never expose refrigerant to an open flame.

NOTE: Service valve(s) are not included with this compressor. Reuse service valve(s) from compressor being replaced (if applicable). Do not attempt removal or reinstallation of service valve(s) before reading instructions.

Compressor type identification can be found on the rear housing which is opposite of the magnetic clutch.

Compressor Removal Procedures

NOTE: Before removal of the compressor, please refer to the appropriate manufacturer's service manual for complete instructions.

1. Disconnect negative (-) ground cable from battery.
2. Disconnect A/C compressor lead wire from the vehicle harness.
3. Using a certified refrigerant recovery machine, reclaim the old refrigerant from the A/C system.
4. Disconnect the suction and discharge hoses from the compressor and quickly cap the hose ends to reduce the amount of moisture entering the A/C system.
5. Loosen and remove the compressor drive belt.
6. Remove compressor mounting bolts and remove compressor.

Service Valve Installation

NOTE: Not all DENSO compressors require the service valve(s) to be reused. If the compressor type does not use a separate service valve(s), it is **mandatory** to still verify the level of compressor lubricant. (See Fig. 1)

1. Slowly release the pressure from the Schrader valve located on the compressor shipping plate(s).
2. To prevent the loss of refrigerant oil, place the compressor on a flat surface with the shipping plate(s) in an upright position, then remove and save the shipping plate(s), O-ring(s) and mounting bolts.
3. Remove the service valve(s) from the old compressor. Make sure service valves and O-ring surfaces are clean.
4. Verify the level of compressor lubricant. (See Fig. 1)

5. Remove new O-ring(s) from plastic bag (included with compressor) and install O-ring(s) in grooves in compressor. (See Fig. 2)
6. Lubricate new O-ring(s) with appropriate DENSO lubricant to ensure proper seating of O-ring(s).

7. Attach service valve(s) or service valve cap(s) to compressor using original bolts and torque bolts to 24.5 N·m(250 kgf·cm, 18.1 lbf·ft). (See Fig. 3)
8. Attach shipping plate with O-ring(s) or service valve cap(s) to old compressor to prevent oil leakage/damage to compressor during shipment.

WARRANTY NOTE: Item 8 is mandatory for core acceptance.

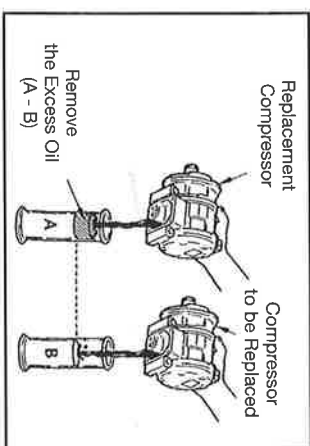


Fig. 1

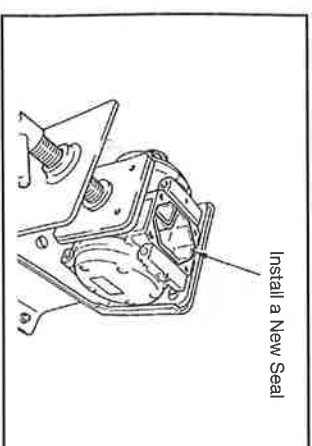


Fig. 2

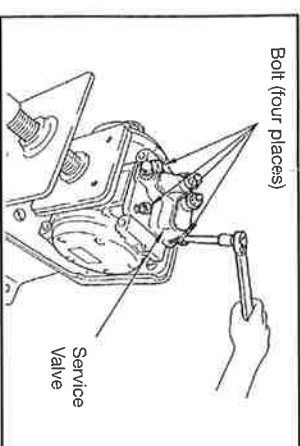


Fig. 3