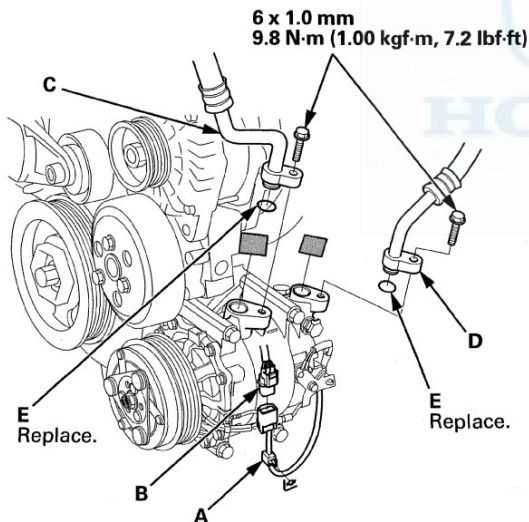


# Heating/Air Conditioning

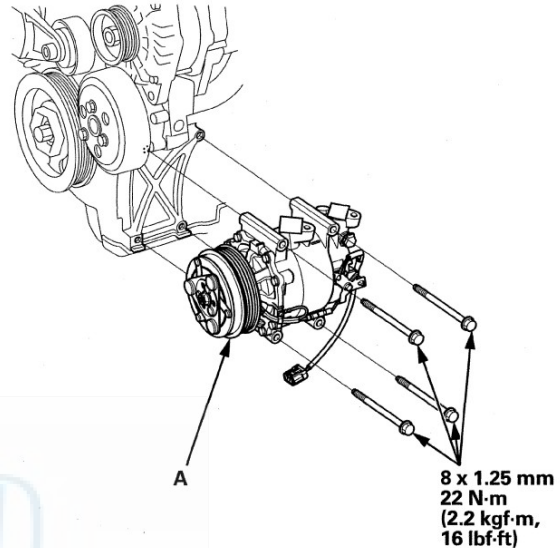
## A/C Compressor Replacement

**NOTE:** Do not install an A/C compressor into a system unless you are completely sure that the system is free of contamination. Installing the A/C compressor into a contaminated system can result in premature A/C compressor failure.

1. If the A/C compressor is marginally operable, run the engine at idle speed, and let the air conditioning work for a few minutes, then shut the engine off.
2. Recover the refrigerant with a recovery/recycling/charging station (see page 21-69).
3. Remove the splash shield (see page 20-180).
4. Remove the drive belt (see page 4-29).
5. Remove the compressor clutch harness clump (A) from the condenser fan shroud, then disconnect the compressor clutch connector (B). Remove the bolts, then disconnect the suction line (C) and the discharge line (D) from the A/C compressor, and remove the O-rings (E). Plug or cap the lines immediately after disconnecting them to avoid moisture and dust contamination.



6. Remove the mounting bolts and the A/C compressor (A). Be careful not to damage the radiator fins when removing the A/C compressor.



7. Install the A/C compressor in the reverse order of removal, and note these items:

- Inspect the A/C lines for any signs of contamination.
- Replace the O-rings with new ones at each fitting, and apply a thin coat of refrigerant oil before installing them. Be sure to use the correct O-rings for HFC-134a (R-134a) to avoid leakage.
- Use refrigerant oil (SP-10) for HFC-134a SANDEN A/C compressors only.
- To avoid contamination, do not return the oil to the container once dispensed, and never mix it with other refrigerant oils.
- Immediately after using the oil, reinstall the cap on the container, and seal it to avoid moisture absorption.
- Do not spill refrigerant oil on the vehicle; it may damage the paint; if refrigerant oil contacts the paint, wash it off immediately.
- Charge the system (see page 21-71).