



Fast Idle Control

Inspection

8. Idle the engine for one minute with heater fan switch at HI (right end) and air conditioner on, then check the idle speed.

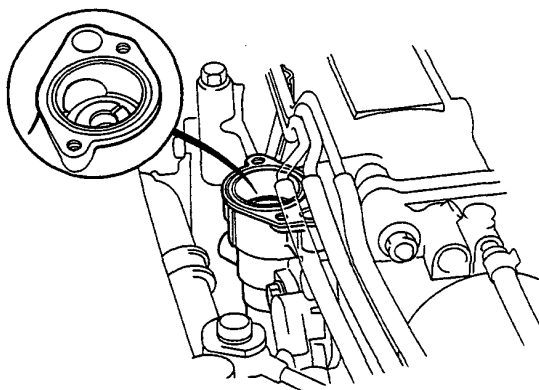
Idle should remain stable at:

- KX, KS, KZ, KQ
750 \pm 50 min⁻¹ (rpm)
- Other models
800 \pm 50 min⁻¹ (rpm)

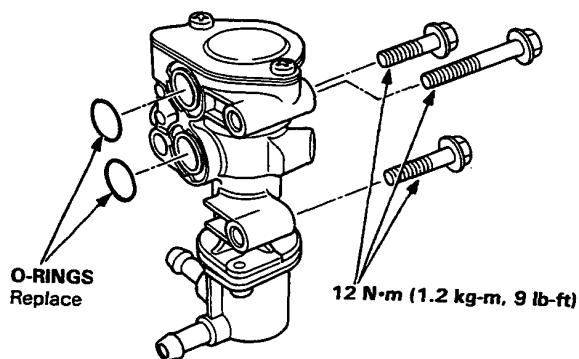
NOTE: If the idle speed is not within specifications, see Symptom-to-Sub System Chart on page 6-175.

NOTE: The fast idle valve is factory adjusted; it should not be disassembled.

1. Start the engine.
2. Remove the cover of the fast idle valve.
3. Put your finger on the valve seat area and make sure that there is air flow with the engine cold (coolant temperature below 30°C, 86°F) and idling.



- If not, replace the fast idle valve and retest.



4. Warm up the engine (cooling fan comes on).
5. Check that the valve is completely closed. If not, an air suction sound can be heard in the valve seat area.
 - If any suction is heard, the valve is leaking. Replace the fast idle valve and recheck.