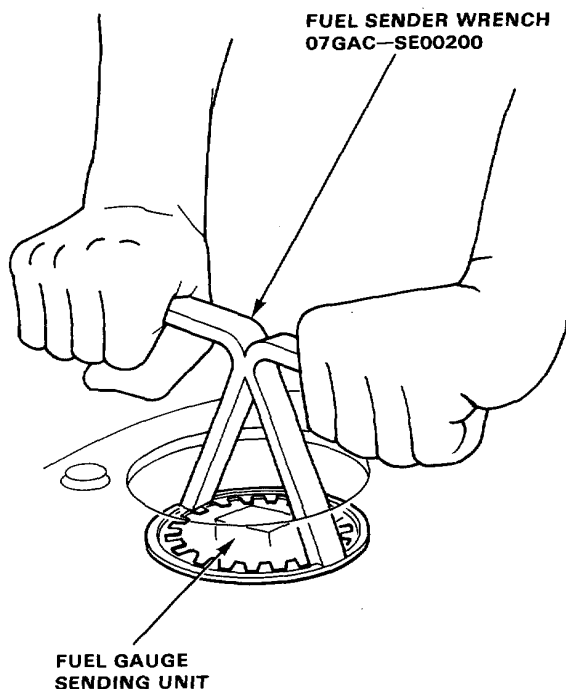




Sending Unit Test/Replacement

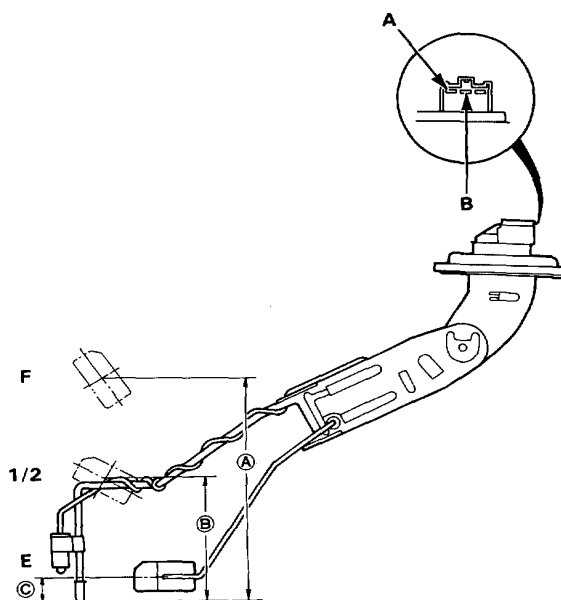
⚠ WARNING Do not smoke while working on fuel system. Keep open flame away from work area.

1. Remove the maintenance access cover.
2. With the ignition switch OFF, disconnect the 3-P connector from the fuel gauge sending unit.
3. Remove the fuel gauge sending unit.



4. Measure resistance between the A and B terminals at E (EMPTY), 1/2 (HALF FULL) and F (FULL) by moving the float.

Float Position	E	1/2	F
Resistance (Ω)	105-110	25.5-39.5	2-5



Float Position	A	B	C
With 4WS	121.5 mm (4.8 in)	70.0 mm (2.8 in)	17.0 mm (0.7 in)
Without 4WS	146.0 mm (5.7 in)	80.0 mm (3.1 in)	17.0 mm (0.7 in)

5. If unable to obtain the above readings, replace the fuel gauge sending unit.

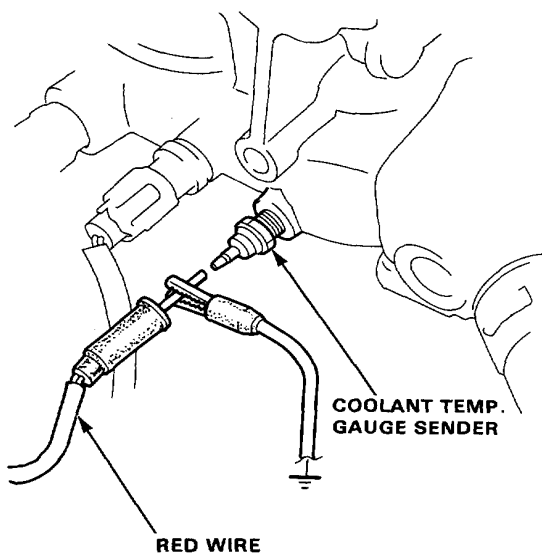
Coolant Temperature Gauge

Gauge Test

NOTE:

- Refer to page 16-112 for wiring description of the coolant temperature gauge circuit.
- Check the No. 1 (10 A) fuse in the dash fuse box before testing.

1. Make sure the ignition switch is OFF, then disconnect the RED wire from the coolant temperature gauge sender and ground it with a jumper wire.



2. Turn the ignition switch ON. Check that the pointer of the coolant temperature gauge starts moving toward "H" mark.

CAUTION: Turn the ignition switch OFF before the pointer reaches "H" mark on the gauge dial. Failure to turn the ignition OFF quickly enough may cause damage to the gauge.

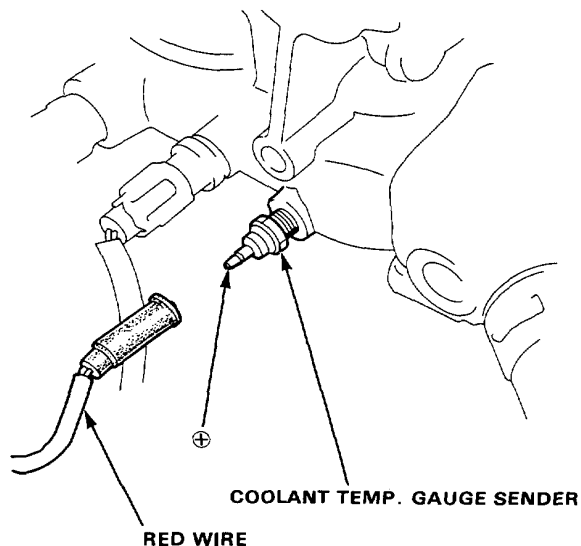
- If the pointer of the gauge does not swing at all, check for an open in the YEL or RED wire.

Replace the coolant temperature gauge if the fuse and wiring are normal.

- Inspect the gauge sender if the gauge is OK.

Sender Test

1. Disconnect the RED wire from the sender.
2. With the engine cold, use an ohmmeter to measure resistance between the positive terminal and the engine (ground).



3. Check the temperature of the coolant.
4. Run the engine and measure the change in resistance with the engine at operating temperature (cooling fan comes on).

Temperature	56°C (133°F) ["C" mark]	85°C (185°F) – 100°C (212°F)
Resistance (Ω)	142	49 – 32

5. If obtained readings are substantially different from specifications above, replace the gauge sender.