

Gauge Assembly

Coolant Temperature Gauge Test

Coolant temperature gauge needle does not move at all.

1. Turn the ignition switch OFF.
2. Connect ECM connector terminal A18 to body ground with a jumper wire.
3. Turn the ignition switch ON (II).

Within two to five seconds, does the temperature gauge needle move to the Hot side?

YES

Substitute a known good ECM and recheck. If the symptom/indication goes away, replace the original ECM.

NO

1. Turn the ignition switch OFF.
2. Disconnect ECM connector A (26P).
3. Turn the ignition switch ON (II).
4. Measure voltage between ECM connector terminal A18 and body ground.

Is there approx. 5 V?

YES

Replace the coolant temperature gauge.

NO

1. Turn the ignition switch OFF.
2. Check for continuity between ECM connector terminal A18 and gauge assembly connector terminal A12.

Is there continuity?

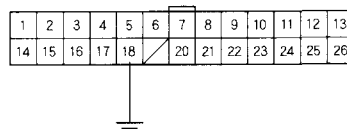
YES

Replace the coolant temperature gauge.

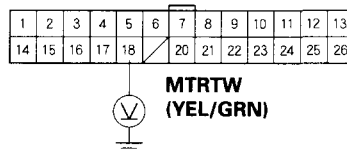
NO

Repair open in the wire between ECM connector terminal A18 and gauge assembly connector terminal A12.

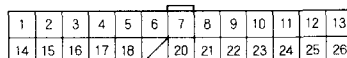
ECM CONNECTOR A (26P)



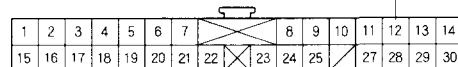
Wire side of female terminals



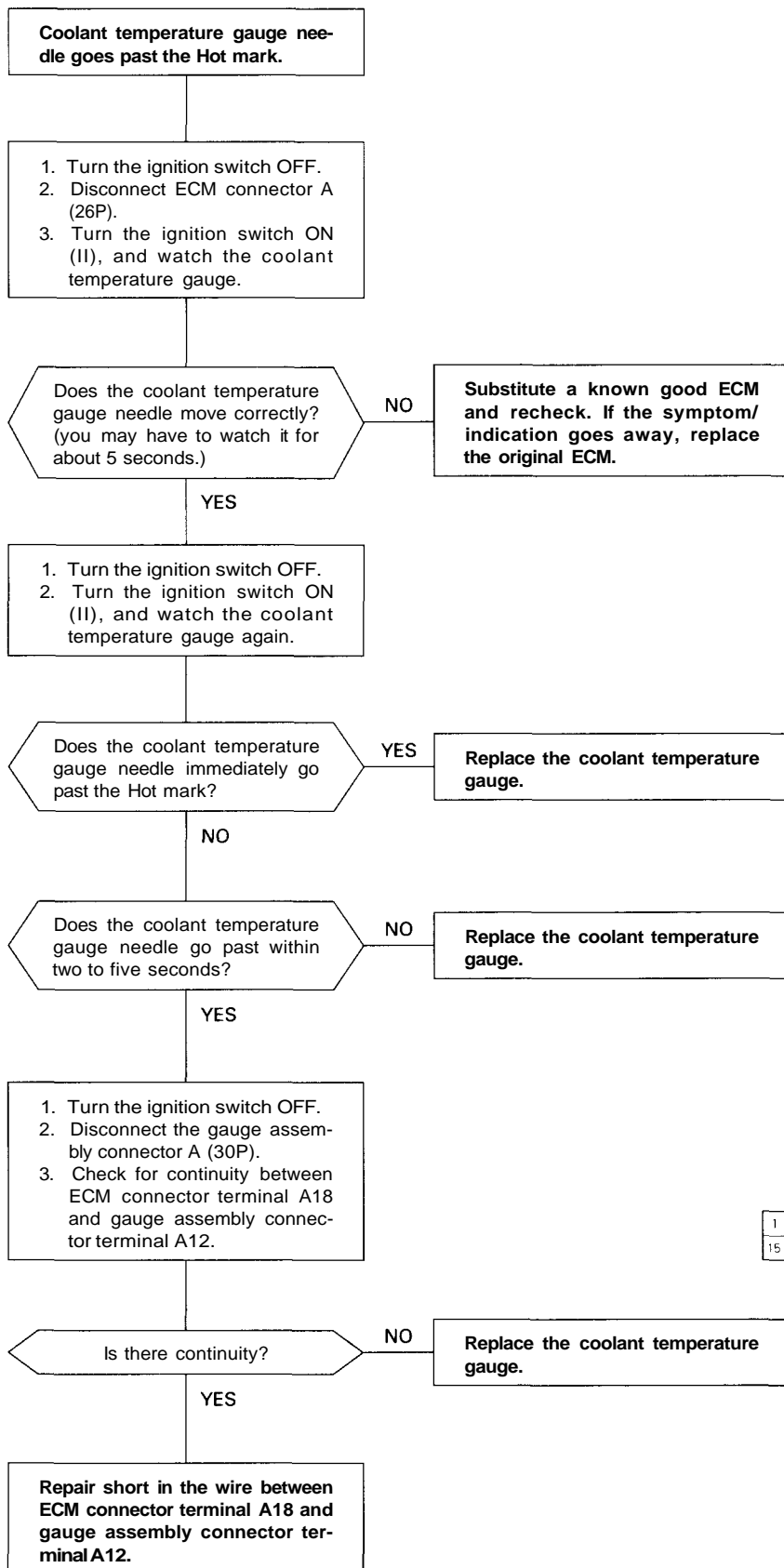
MTRTW
(YEL/GRN)



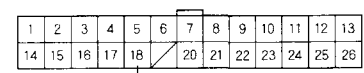
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(YEL/GRN)



GAUGE ASSEMBLY CONNECTOR A (30P)
Wire side of female terminals



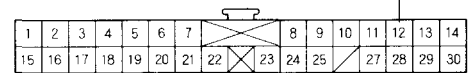
ECM CONNECTOR A (26P)



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GAUGE ASSEMBLY CONNECTOR A (30P)
Wire side of female terminals