

Engine Cooling

Cooling System

Component Location Index	10-2
Radiator Cap Test	10-3
Radiator Test	10-3
Fan Motor Test	10-4
Thermostat Test	10-4
Water Pump Inspection	10-5
Water Pump Replacement	10-5
Coolant Check	10-6
Coolant Replacement	10-6
Thermostat Replacement	10-8
Water Passage Replacement	10-9
EGR Passage Removal and Installation	10-12
Fan, Fan Motor, Shroud Removal and Installation	10-15
Radiator Replacement	10-18

Fan Controls

Component Location Index	10-26
Symptom Troubleshooting Index	10-27
Circuit Diagram	10-28
Radiator Fan High Speed Circuit Troubleshooting ...	10-29



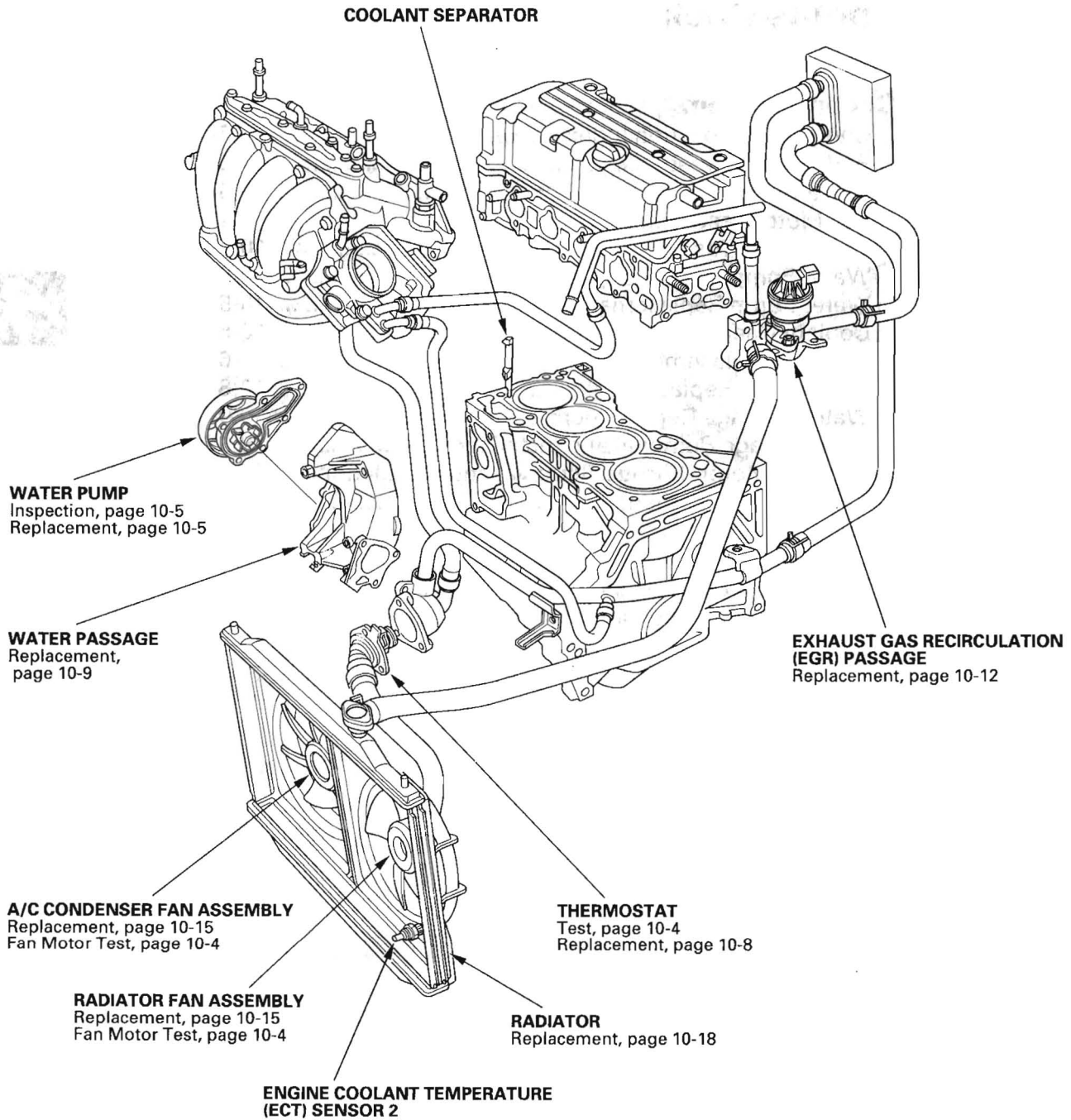
WOT

4000 RPM

31

Cooling System

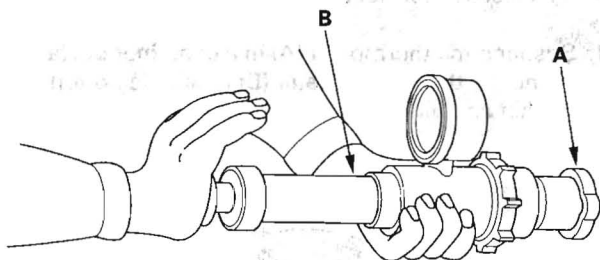
Component Location Index





Radiator Cap Test

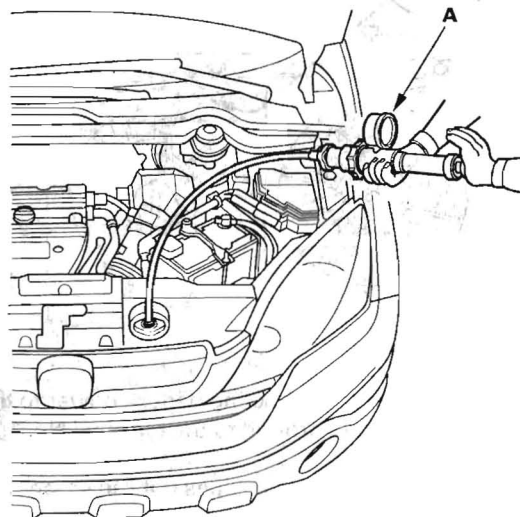
1. Remove the radiator cap (A), wet the seal with engine coolant, then install it on the pressure tester (B) (commercially available).



2. Apply a pressure of 93—123 kPa (0.95—1.25 kgf/cm², 14—18 psi).
3. Check for a drop in pressure.
4. If the pressure drops, replace the cap.

Radiator Test

1. Wait until the engine is cool, then carefully remove the radiator cap and fill the radiator with engine coolant to the top of the filler neck.
2. Attach the pressure tester (A) (commercially available) to the radiator.



3. Apply a pressure of 93—123 kPa (0.95—1.25 kgf/cm², 14—18 psi).
4. Inspect for engine coolant leaks, and a drop in pressure.
5. Remove the tester, and reinstall the radiator cap.
6. Check for engine oil in the coolant and/or coolant in the engine oil.