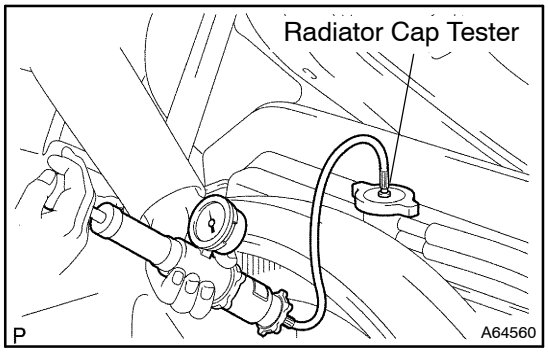
COOLING SYSTEM (S05C–TA)

ON–VEHICLE INSPECTION

160BQ–03



1. INSPECT COOLING SYSTEM FOR LEAKS

(a) Fill the radiator with coolant and attach a radiator cap tester.

(b) Warm up the engine.

(c) Pump it to 137 kPa (1.3 kgf/cm^2, 19.9 psi), and check that the pressure does not drop.

If the pressure drops, check the hoses, radiator or water pump for leaks. If no external leaks are found, check the heater core, cylinder block and head.

2. REINSTALL RADIATOR CAP

3. MAINTAIN AND INSPECT FAN AND FAN CLUTCH

(a) During maintenance and inspection, be careful not to drop or strike the fan coupling or fan itself. The resulting damage may lower the performance of the fan. Also, note that the fan is made of plastic and may become damaged or deformed if force is applied to it.

(b) Do not replace the fan unless it is faulty. When replacing the fan, replace it with the same type as the one which was removed.

If the fan is replaced with one of a larger capacity due to overheating or, conversely is replaced with one of a smaller capacity due to over cooling, the cooling performance may be in fact reduced and durability may be jeopardized.

(c) Check the temperature detector (bimetal) to see if there is any mud or dust on it.

If the bimetal is covered with mud or dust, the fan performance will be erratic, and may result in overheating or over cooling.

(d) In such case, carefully remove, mud and dust adhering to the surface of the bimetal, using a wire brush, or the like.

(e) Take particular care not to apply excessive force. Do not paint the fan or fan clutch.

(f) Do not place any paint or other reagents which are likely to dissolve plastic in contact with the fan.