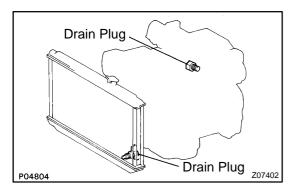
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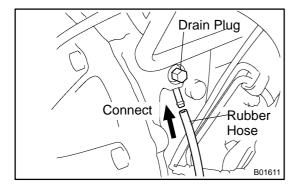
REPLACEMENT

1. DRAIN ENGINE COOLANT

CAUTION:

To avoid the danger of being burned, do not remove the radiator cap while the engine and radiator are still hot. Thermal expansion will cause hot engine coolant and steam to blow out from the radiator.

(a) Loosen the 2 drain plugs (for the engine and radiator).



HINT:

To prevent the coolant from spraying over the cylinder block, connect the rubber hose (inside diameter 6 - 8 mm (0.24 - 0.31 in.)) in the market to the union pipe under the drain plug.

- (b) Remove the radiator cap and drain the coolant.
- (c) Close the 2 drain plugs.

Torque: 30 N·m (300 kgf·cm, 22 ft·lbf) for engine

2. ADD ENGINE COOLANT

(a) Pour coolant into the radiator until it overflows.

Capacity (w/ Heater):

7.5 liters (7.9 US qts, 6.6 lmp. qts)

HINT:

- Use of improper coolants may damage the engine cooling system.
- Only use Toyota Super Long Life Coolant or similar high quality ethlene glycol based non-silicate, non-amine, non-nitrite, and non-borate coolant with long-life hybrid organic acid technology (coolant with long-life hybrid organic acid technology consists of a combination of low phosphates and organic acids).
- New Toyota vehicles are filled with Toyota Super Long Life Coolant. When replacing the coolant, Toyota Super Long Life Coolant (color is pink, premixed ethyleneglycol concentration is approximately 50 % and freezing temperature is -35°C (-31°F)) is recommended.

NOTICE:

Do not substitute plain water for engine coolant.

- (b) Check the coolant level inside the radiator by squeezing the inlet and outlet radiator hoses several times by hand. If the coolant level goes down, add coolant.
- (c) Install the radiator cap securely.
- (d) Slowly pour coolant into the radiator reservoir until it reaches the FULL line.
- (e) Warm up the engine until the cooling fan operates.
 - Set the air conditioning as follows while warming up the engine.

	Automatic air conditioning system
Set control as follows	Fan speed - Any setting except OFF
	Temperature - To the highest temperature
	Air condition switch OFF
	AUTO switch OFF

- Maintain the engine speed at 2,000 to 2,500 rpm and warm up the engine until the cooling fan operates.
- (f) Squeeze the inlet and outlet radiator hoses several times by hand while warning up the engine.
- (g) Stop the engine and wait until the coolant cools down. 2005 LEXUS IS300 (RM1140U)

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- (h) Remove the radiator cap and check the coolant level inside the radiator.
- (i) If the coolant level is below the full level, perform the steps from (a) through (h) and repeat the operation until the coolant level remains the full level.
- (j) Recheck the coolant level inside the radiator reservoir tank. If it is below the full level, add coolant.
- 3. CHECK FOR ENGINE COOLANT LEAKS
- (a) Fill the radiator with engine coolant and attach a radiator cap tester.
- (b) Pump it to 177 kPa (1.8 kgf/cm², 26 psi) and check for leakage.

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