

# Coolant Replacement Procedures

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### Caution

- The coolant in the coolant heat storage tank may be HOT even if the engine and radiator are cold.
- If the engine or radiator is hot, DO NOT remove the radiator cap.

### Note:

- DO NOT drain coolant using the bolt on the bottom of the transaxle or tamper with the bleeder plug directly in front of the inverter assy, for a normal cooling system service.
- Use only Toyota SLLC. This coolant is pre-mixed - DO NOT add water!

### Coolant Drain Procedure

1. Remove radiator top cover (6 plastic clips)
2. Remove the radiator cap
3. Pull down the front portion of the left front fender liner (Phillips screwdriver/ 10 mm wrench)
4. Disconnect coolant heat storage water pump connector (gray connector near top of tank)
5. Connect hoses to:
  - The drain port on the bottom of the coolant heat storage tank
  - The drain port on the rear side of the lower left corner of the radiator
  - The engine coolant drain port on the rear side of the engine
6. Loosen the yellow drain plug on the coolant heat storage tank to drain coolant
7. Loosen the yellow drain plug on the radiator to drain coolant
8. Use a 10 mm wrench to loosen the drain plug on the back of the engine
9. After coolant has drained, tighten all three plugs (torque engine port to 9.6 ft/lb)
10. Reconnect coolant heat storage water pump connector reinstall left front fender liner

### Coolant Fill Procedure

- Connect a hose to the radiator bleeder valve port (located next to yellow label on radiator bulkhead) and place the other end of the hose in the reservoir tank
- Using a 6 mm hex wrench, loosen the radiator bleeder plug 3 turns
- Fill the radiator with coolant
- Tighten the radiator bleeder plug (13 in./lb) and install the radiator cap
- Connect the Diagnostic Tester to DLC3
- Operate the coolant heat storage system pump for 30 seconds
- Loosen the radiator bleeder plug 3 turns
- Remove the radiator cap and top off the radiator with coolant
- Repeat steps 4 through 8 until the system is full
- Start the engine for 1 -2 minutes
- Stop the engine, remove the radiator cap and top off the radiator with coolant
- Install the radiator cap and warm-up the engine (inspection mode)
- Cool down the engine
- Top off the coolant
- Repeat steps 12 to 14 until the system is full