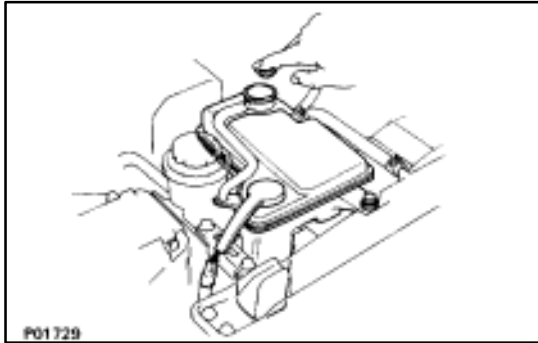
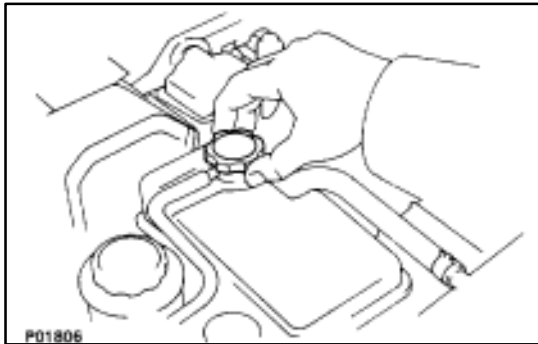


CHECK AND REPLACEMENT OF ENGINE COOLANT

1. **CHECK ENGINE COOLANT LEVEL AT RESERVE TANK**
The coolant level should be above the "COLD LEVEL" at normal temperature (20°C (68°F)).
If low, check for leaks and add coolant up to the "COLD LEVEL".



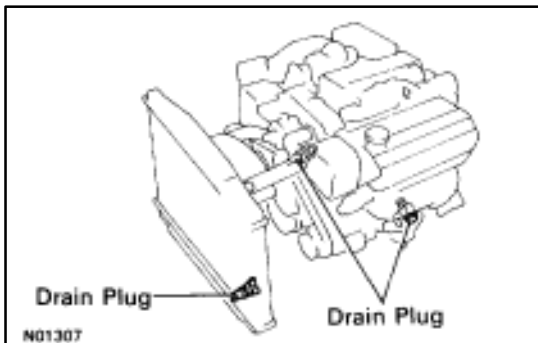
2. **CHECK ENGINE COOLANT QUALITY**
There should not be any excessive deposits of rust or scales around the radiator cap or reservoir tank filler hole, and the coolant should be free from oil.
If excessively dirty, clean the coolant passages and replace the coolant.



3. **REPLACE ENGINE COOLANT**
 - (a) Remove the radiator cap from the reservoir tank.
CAUTION: To avoid the danger of being burned, do not remove the cap while the engine and radiator are still hot, as fluid and steam can be blown out under pressure.



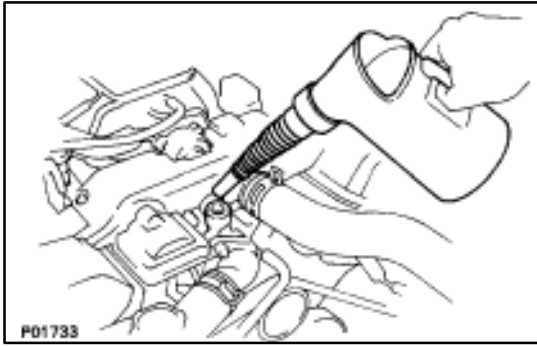
- (b) Remove the filler plug from the water inlet housing.



- (c) Loosen the three drain plugs on the radiator and cylinder block, drain the coolant from the radiator and engine.
 - (d) Clean the coolant passages.
 - (e) Close the three drain plugs.

Torque (Engine drain plug):

18 N·m (180 kgf·cm, 13 ft·lbf)



- (f) Slowly add coolant to water inlet housing until it is full.
- Use a good brand of ethylene–glycol base coolant, mixed according to the manufacturer's directions.
 - Using coolant which includes more than 50% ethylene–glycol (but not more 70%) than is recommended.

NOTICE:

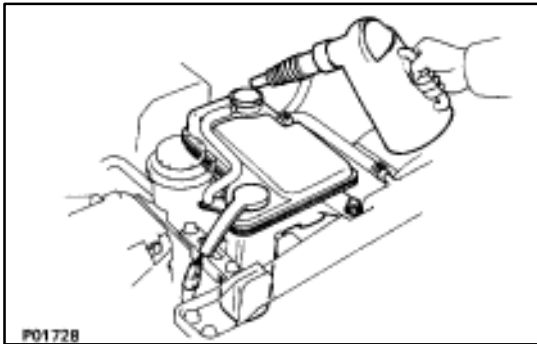
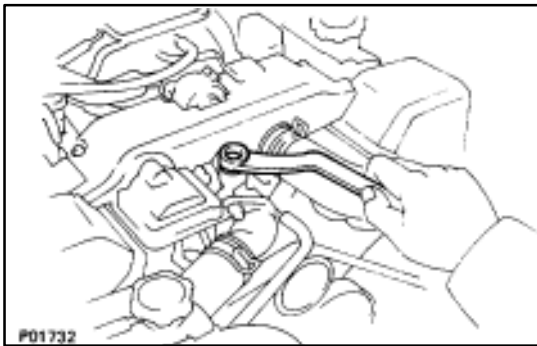
- Do not use alcohol type coolant.
- The coolant should be mixed with demineralized water or distilled water.

Capacity (w/ Heater):

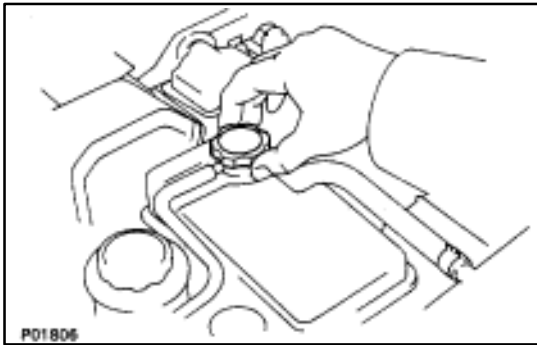
10.8 liters (11.4 US qts, 9.5 Imp. qts)

- (g) Reinstall a new gasket and filler plug to the water inlet housing.

Torque: 44 N·m (450 kgf·cm, 33 ft·lbf)



- (h) Slowly add coolant to reservoir tank until it is full.



- (i) Reinstall the radiator cap.
- (j) Bleed the cooling system.
- Start the engine, and open the heater water valve.
 - Maintain the engine speed at 2,000 rpm, and warm up the engine.
- (k) Check for leaks.
- (l) Recheck the coolant level and refill as necessary.