

## COOLANT REPLACEMENT

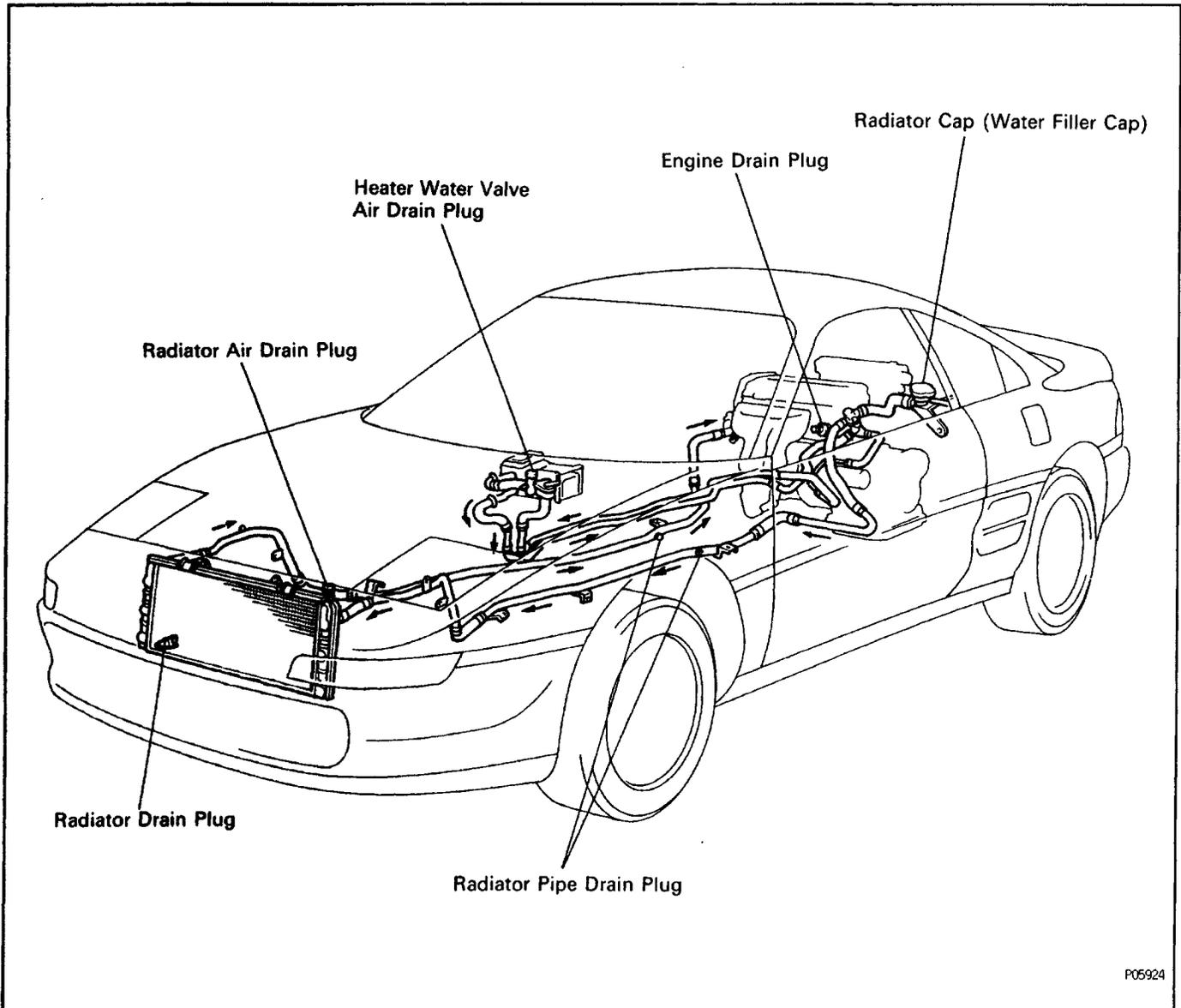
### NOTICE:

EG132-01

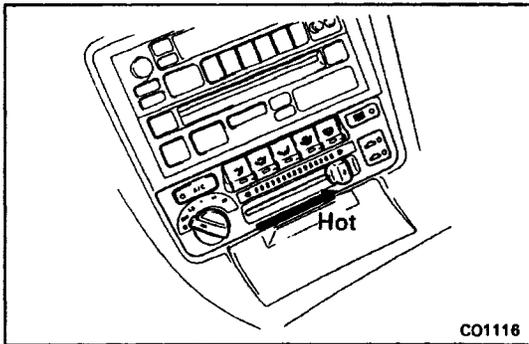
- To avoid the danger of burns, do not begin work until the engine and coolant have properly cooled down.
- To ensure that coolant is poured in, properly, perform the operation at a level area. Performing work with the vehicle inclined may cause improper removal of coolant or improper air removal when pouring coolant.
- After replacing the coolant, check the water level in the water filler and reservoir tank once or twice within 500 km (311 miles) of driving or within one week.

## COOLANT CIRCUIT

EG134-01



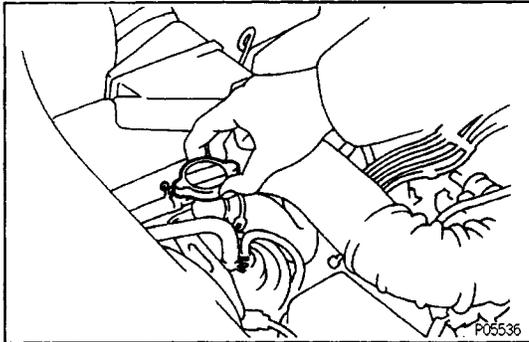
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## ENGINE COOLANT DRAINAGE

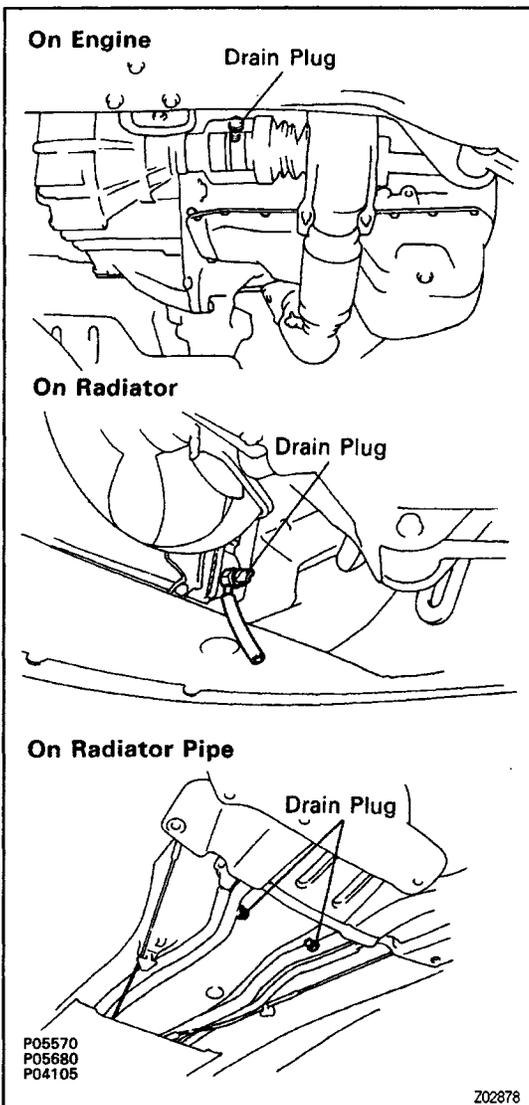
1. REMOVE REAR FUEL TANK PROTECTOR
2. DRAIN ENGINE COOLANT

(a) Set the heater control lever to hot.



(b) Remove the radiator cap.

**CAUTION:** To avoid the danger of being burned, do not remove it while the engine and radiator are still hot, as fluid and steam can be blown out under pressure.



(c) Remove the drain cocks (engine, radiator and radiator pipes), and drain the coolant.

(d) Close the drain plugs.

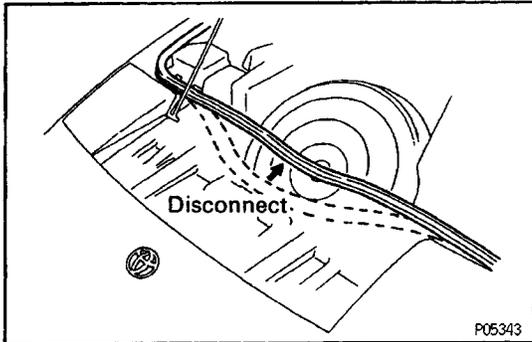
### Torque:

25 N·m (250 kgf·cm, 18 ft·lbf) for engine

17 N·m (170 kgf·cm, 12 ft·lbf) for radiator pipes

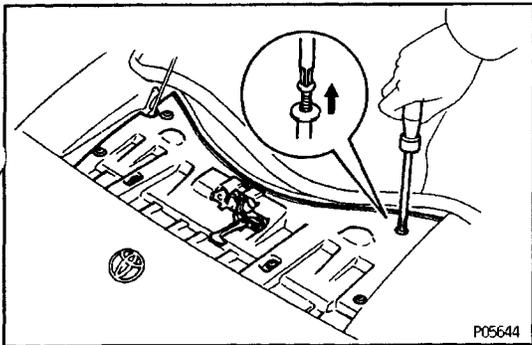
## ENGINE COOLANT REFILL

1. REMOVE SPARE TIRE
2. REMOVE DASH PANEL FRONT TRIM COVER

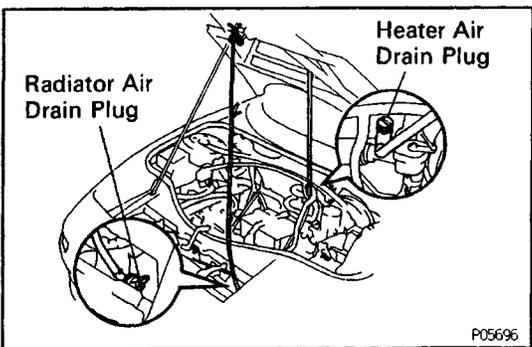


### 3. REMOVE UPPER RADIATOR SUPPORT SEAL

- (a) Disconnect the hood weatherstrip.



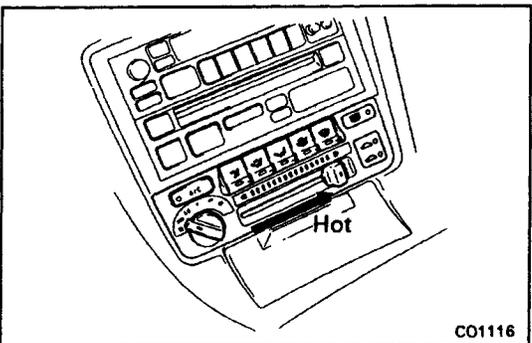
- (b) Remove the seven clips.
- (c) Remove the two hood lock mounting bolts, and remove the support seal.



### 4. SET SERVICE HOSES

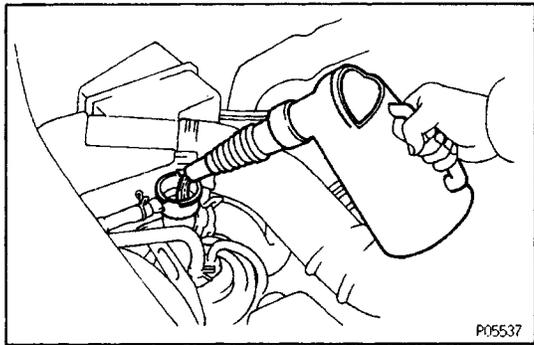
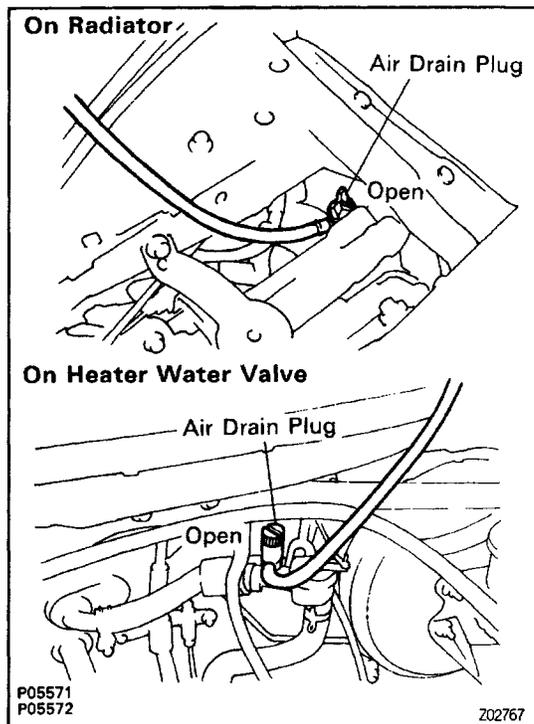
- (a) Connect the service hoses to the air drain plugs of the radiator and heater water valve.
- (b) Suspend the opposite ends the front hood as shown in the illustration.

**NOTICE:** Do not close-off or pinch any of the service hoses.



### 5. FILL ENGINE COOLANT

- (a) Set the heater control lever to hot.



(b) Open the air drain plugs of the radiator or heater water valve above three turns.

(c) Slowly fill the system with coolant.

- Use a good brand of ethylene-glycol base coolant and mix it according to the manufacturer's directions.
- Using coolant which includes more than 50 % ethylene-glycol (but not more than 70 %) is recommended.

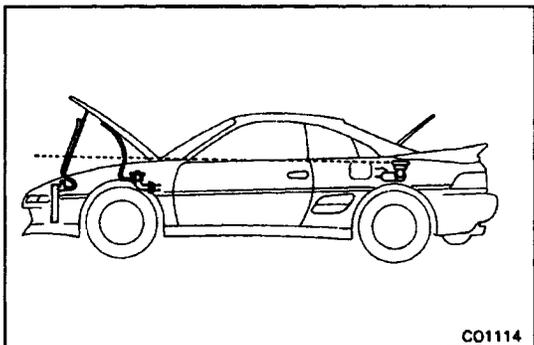
**NOTICE:**

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

**Capacity (w/ Heater):**

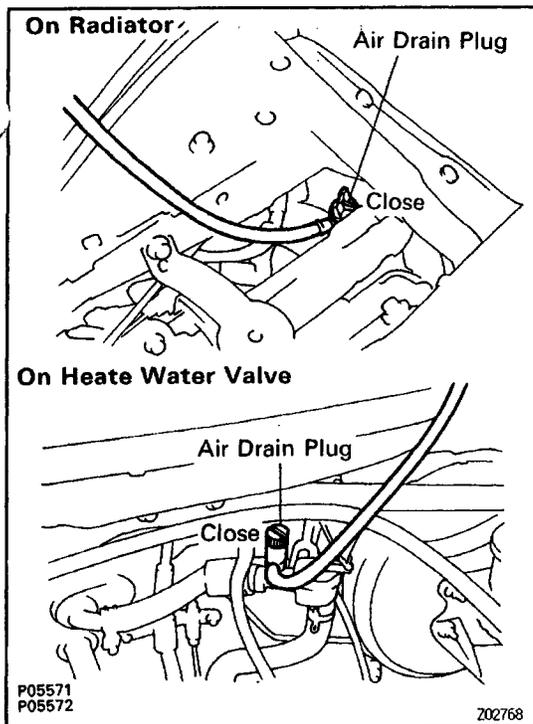
**13.0 liters (13.7 US qts, 11.4 Imp.qts)**

(d) Check that air is absent from the air drain plugs of the radiator and heater water valve while filling the water filler inlet to the top with coolant.

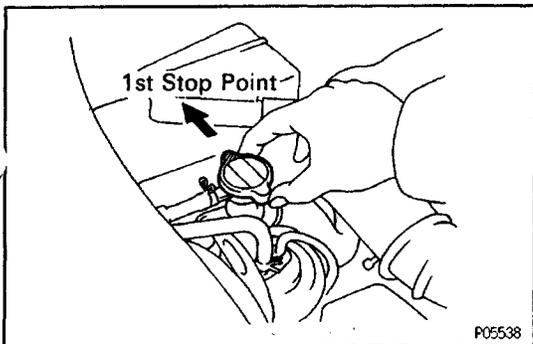


(e) Visually check that the level of coolant in the air drain service hoses of the radiator and heater water valve are the same as in the water filler.

**NOTICE:** If the water level of coolant in the air drain service hose is clearly, air removal has been incomplete, so check if the service hose is crushed or bent, then perform step (e).



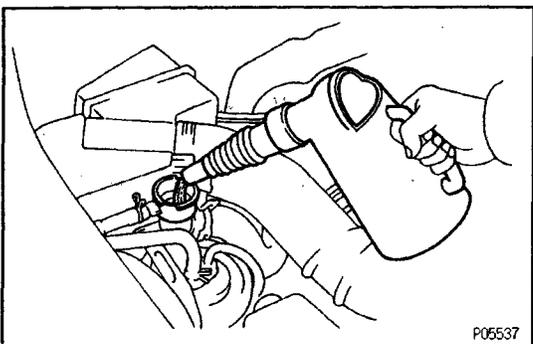
- (f) When the coolant level in the air drain service hoses stops dropping, close the air drain plugs of the radiator and heater water valve.



- (g) Fasten the radiator (water filler) cap to the 1st stop point.

**NOTICE: Do not tighten the radiator cap completely (to the 2nd stop point).**

- (h) Start the engine, and run at idle for approx. 3 minutes, and stop the engine.

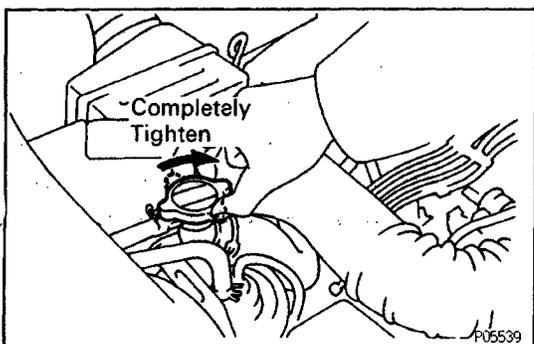


- (i) Add more coolant, and repeat steps (h) and (i).  
HINT: By performing steps (h) and (i), 0.2 – 0.5 liters (0.2 – 0.5 US qts, 0.2 – 0.4 Imp. qts) can normally be added.

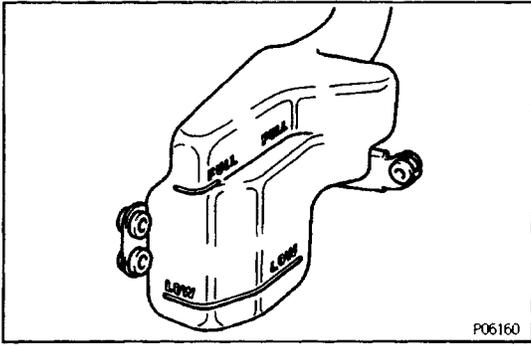
- (j) Check that coolant level in the water filler has not dropped.

If the coolant level has dropped, add coolant and repeat the steps from

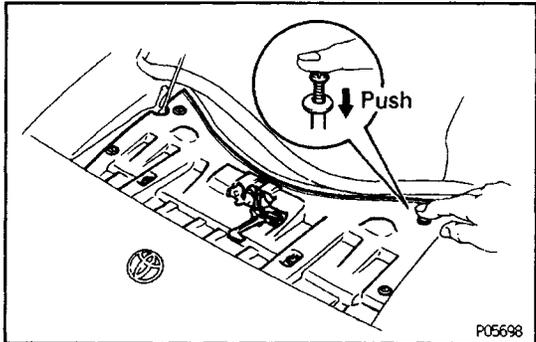
- (g) onward.



- (k) Completely tighten the radiator (water filler) cap.

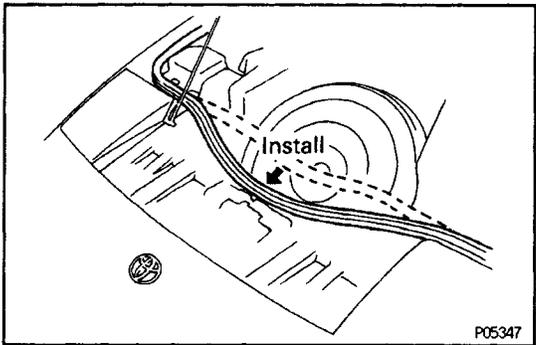


- (l) Fill coolant into the reservoir tank up to the "FULL" line.
- (m) Check coolant for leaks.



#### 6. INSTALL UPPER RADIATOR SUPPORT SEAL

- (a) Temporarily install the hood lock with the RH side bolt.
- (b) Place the support seal in position.
- (c) Install the hood lock with the two bolts.
- (d) Install the seven clips.



- (e) Install the hood weatherstrip.

#### 7. REINSTALL SPARE TIRE

#### 8. REINSTALL DASH PANEL FRONT TRIM COVER

#### 9. REINSTALL REAR FUEL TANK PROTECTOR