2014 ENGINE

Engine Cooling System (Service Information) - CT200H

COOLANT (FOR ENGINE)

REPLACEMENT [12/2013 -]

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1. **DRAIN COOLANT (for Engine)**

WARNING: Do not remove the reserve tank cap or radiator drain cock plug while the engine and radiator assembly are still hot. Pressurized, hot coolant and steam may be released and cause serious burns.

a. Remove the 2 clips.

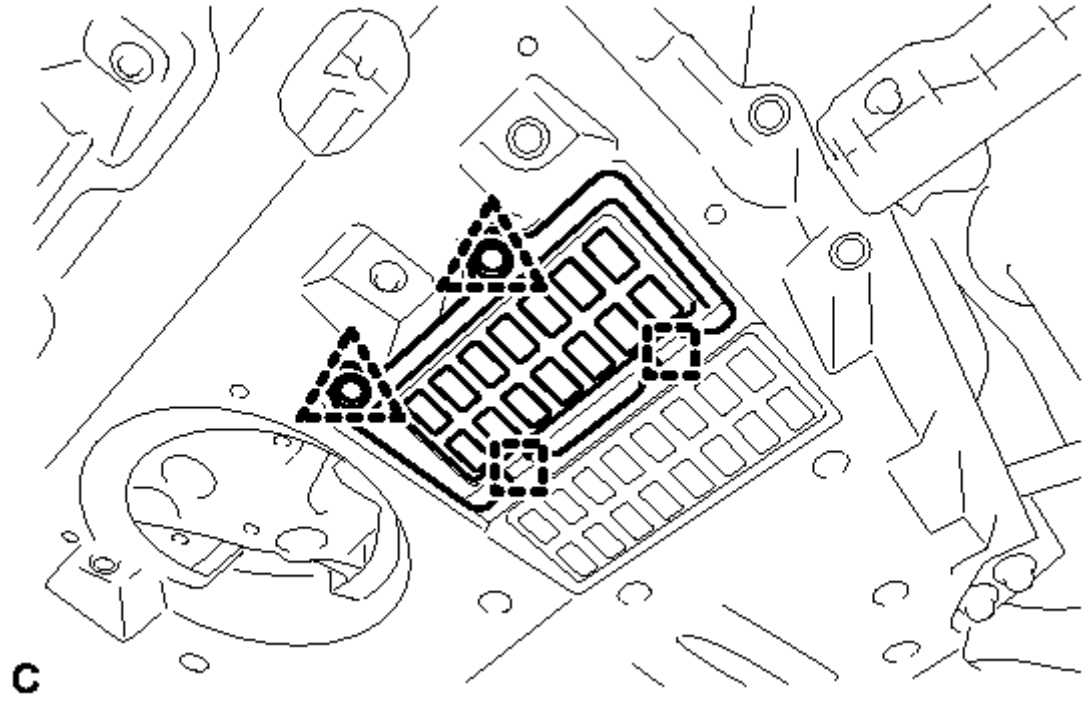

Fig. 1: Identifying 2 Clips To Remove The Center No. 4 Engine Under Cover
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

b. Disengage the 2 guides to remove the center No. 4 engine under cover.
c. Connect a hose with an inside diameter of 9 mm (0.354 in.) to the radiator drain cock as shown in the illustration.

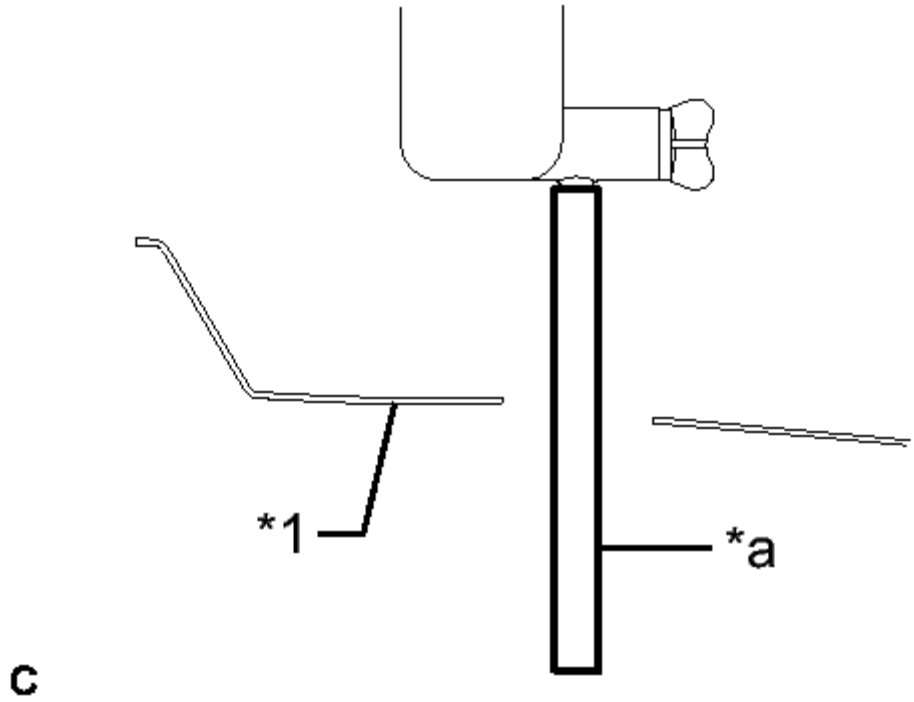

Fig. 2: View Of Connecting A Hose To The Radiator Drain Cock
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

TEXT IN ILLUSTRATION

*1	No. 1 Engine Under Cover Assembly
*a	Hose

d. Loosen the radiator drain cock plug.

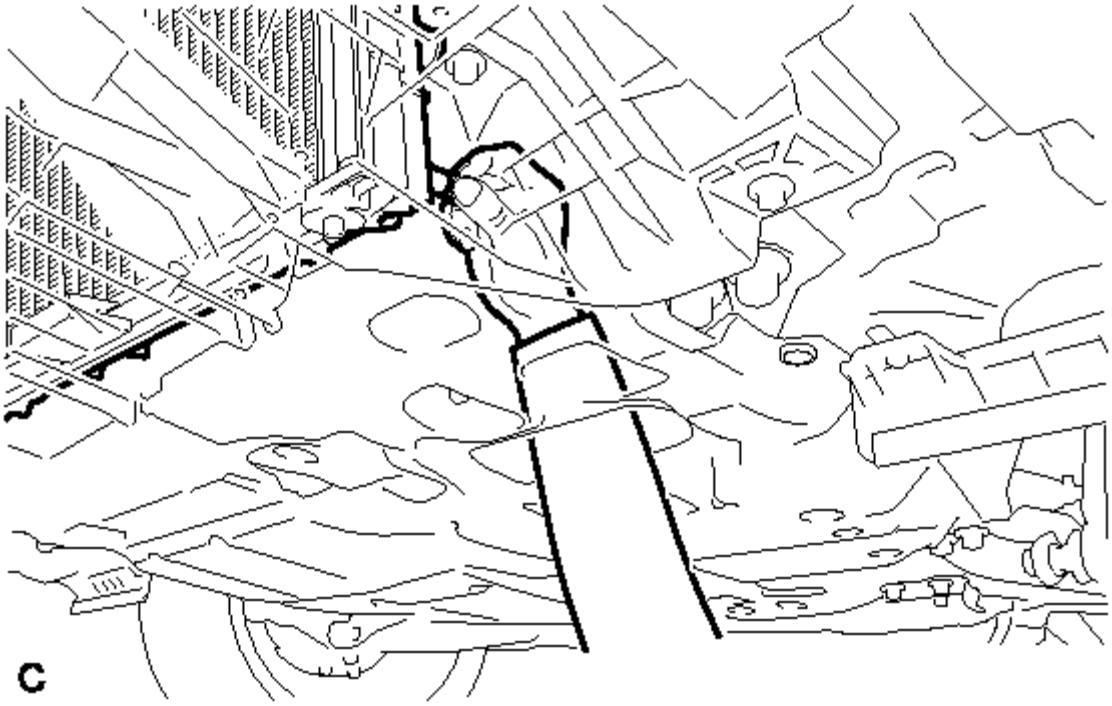

Fig. 3: Loosening Radiator Drain Cock Plug
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

e. Remove the reserve tank cap. Then drain the coolant.

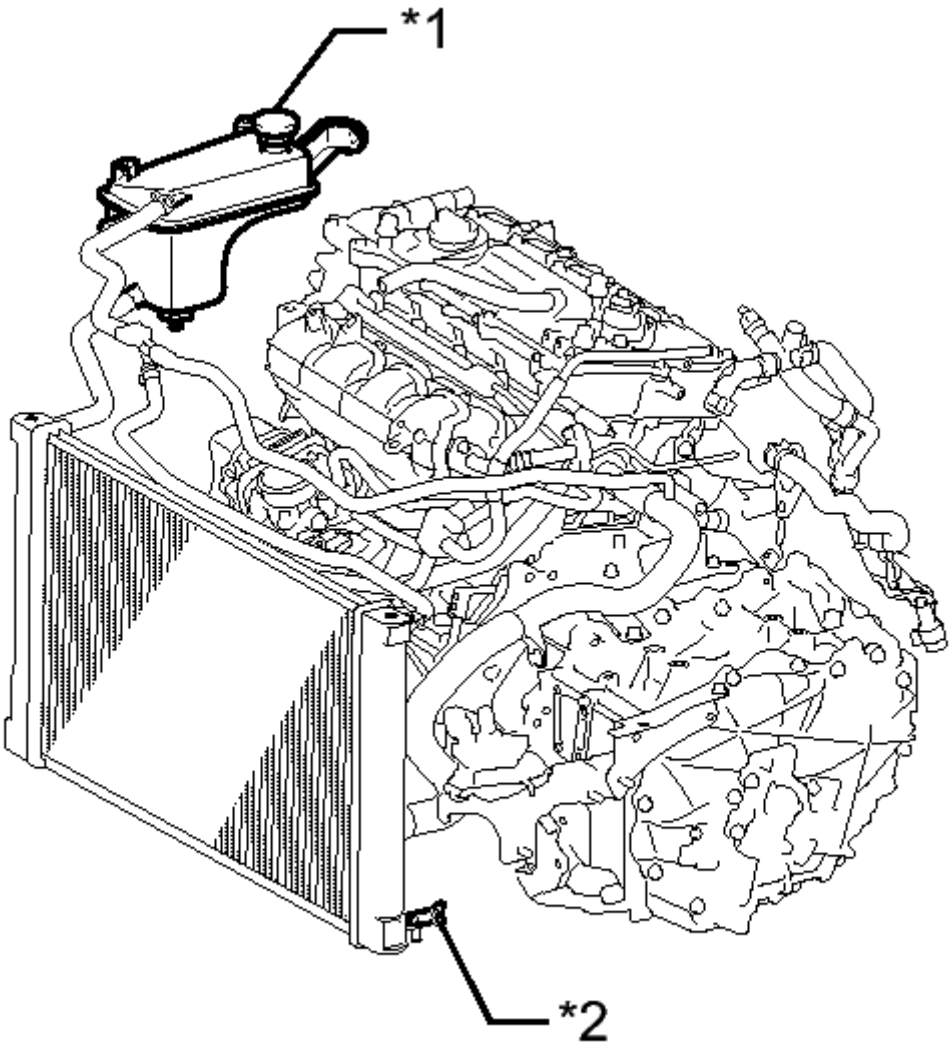

Fig. 4: Identifying Reserve Tank Cap & Radiator Drain Cock Plug
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

TEXT IN ILLUSTRATION

*1	Reserve Tank Cap
*2	Radiator Drain Cock Plug

HINT:

Collect the coolant in a container and dispose of it according to the regulations in your area.

f. Disconnect the hose from the radiator drain cock.

2. **ADD COOLANT (for Engine)**
   a. Tighten the radiator drain cock plug by hand.
   b. Add coolant to the B line of the radiator reserve tank assembly.

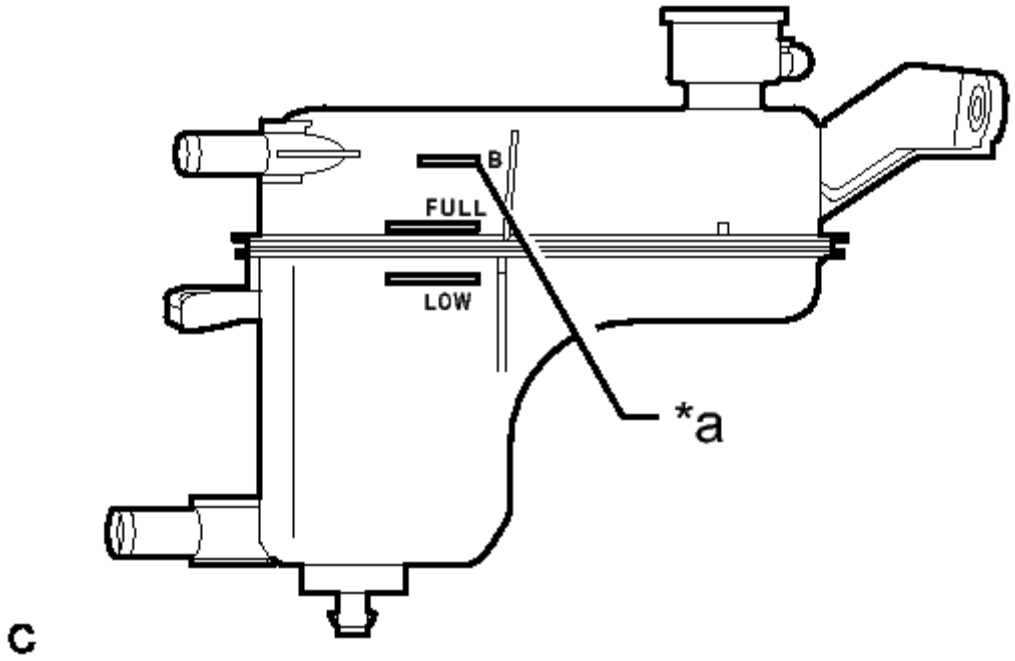

Fig. 5: Identifying Coolant Fill Line B Line Of The Radiator Reserve Tank Assembly
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

TEXT IN ILLUSTRATION

*a	B Line

Standard Capacity

Item	Capacity
Coolant	w/ Exhaust Heat Recirculation System: 6.9 liters (7.3 US qts, 6.1 Imp. qts)
	w/o Exhaust Heat Recirculation System: 6.5 liters (6.9 US qts, 5.7 Imp. qts)

NOTE: Do not substitute plain water for coolant.

HINT:

LEXUS vehicles are filled with TOYOTA SLLC at the factory. In order to avoid damage to the engine cooling system and other technical problems, only use TOYOTA SLLC or similar high quality ethylene glycol based non-silicate, non-amine, non-nitrite, non-borate coolant with long-life hybrid organic acid technology (coolant with long-life hybrid organic acid technology is a combination of low phosphates and organic acids).

c. Squeeze the No. 1 radiator hose and No. 2 radiator hose several times by hand, and then check the