

How to Replace Gen II Prius Transaxle Coolant

Parts Needed:

- Toyota **Super Long-Life Coolant** – 1 Gallon
 - **Red Cap** – Mix with Distilled Water
 - **Yellow Cap** – 50/50 Pre-Diluted
- New Gasket for Drain Plug: P/N 90430-18008

Tools Needed:

- Funnel (Clean)
- Ramps or Jack Stands
- Drain Pan
- **Torque Wrench**
- **24mm** socket, usually **1/2 in. drive**.
- **1/2" Drive Ratchet** or **3/8 " Drive Ratchet** and **3/8 to 1/2" adapter**
- Can use a Large **Crescent Wrench** instead of 24 mm socket, but **can't Torque Plug**.
- Extension
- **1/4" Inside Diameter hose**
- Phillips Screwdriver
- **10mm** and **14mm box-end wrenches**
- Rubber Gloves

Note:

The Engine Coolant and Inverter Coolant are Separate Systems in the same radiator.

Both Use Toyota Super Long Life Coolant (SLLC).

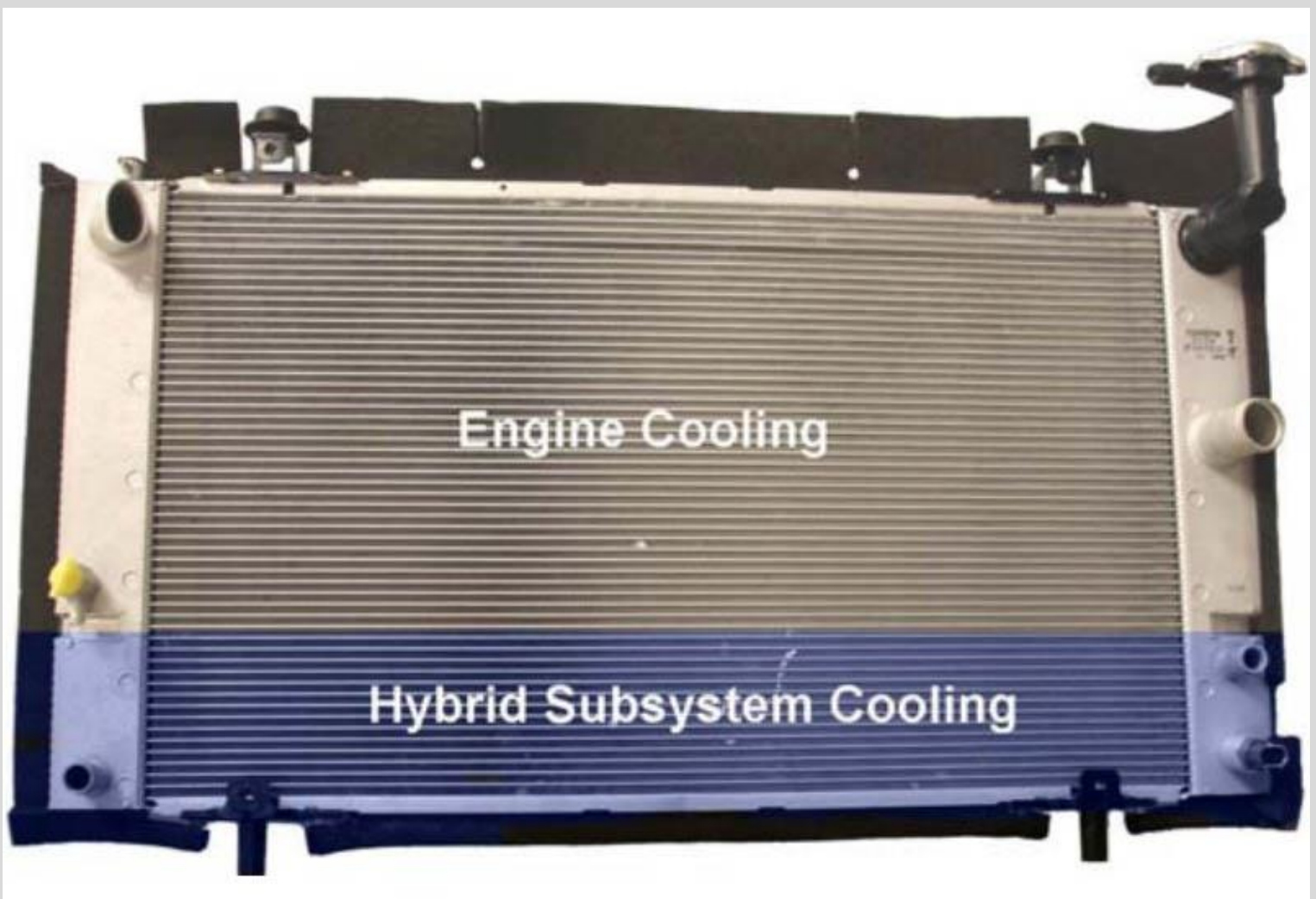
Engine Coolant is in Upper 2/3 of Radiator

Inverter Coolant in lower 1/3 of Radiator.

Engine Coolant System Has 3 Drain Cocks; Radiator, Engine Block and Coolant Heat Storage (CHS) Water Pump.

Inverter has One Drain Plug on Transaxle.

Each System Has Its Own Separate Hoses.

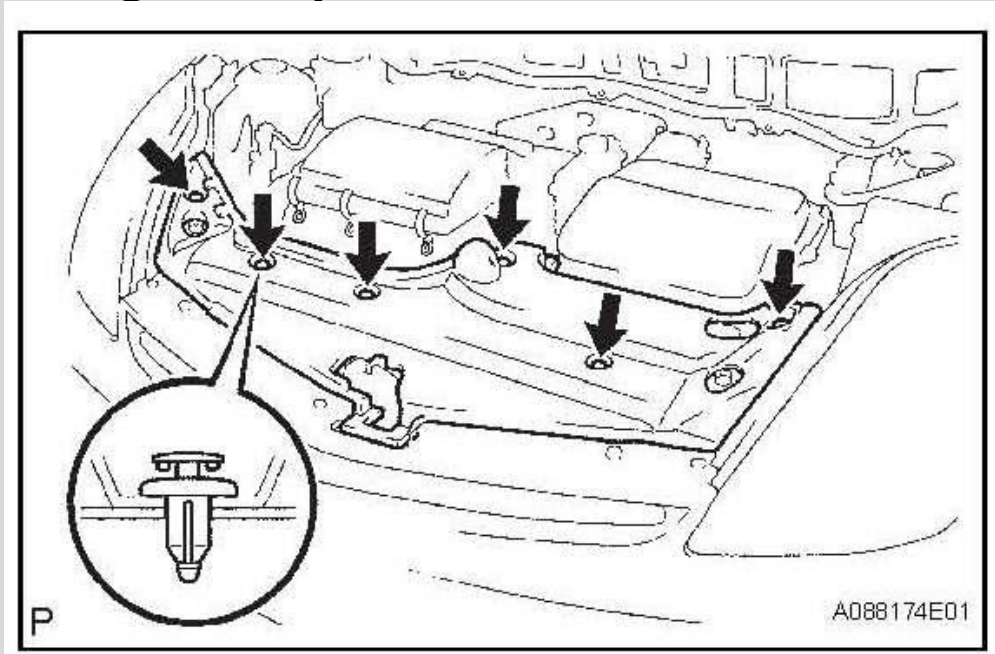


Step-by-Step Procedures

Put Car on Ramps or Jack Stands- As Level as Possible.

Set Parking Brake. Chock Tire.

Remove Radiator Support Opening Cover To Get Access to Bleeder Plug. Phillips screwdriver.

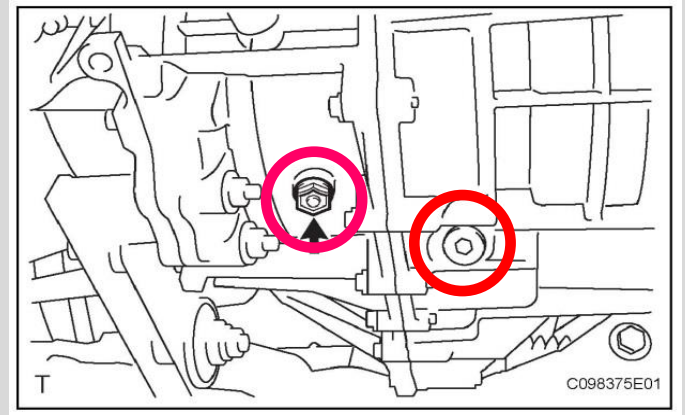
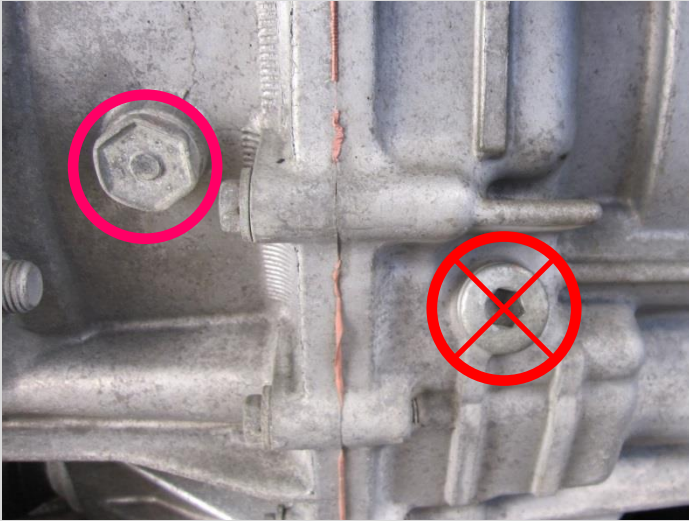


Remove Transaxle Reservoir Tank Cap

CAUTION: Do NOT Remove while Engine is HOT!!



Place Drain Pan under Drain Plug. Put on Rubber Gloves. Use Ratchet with extension and **24 mm** socket to remove Transaxle **Coolant Drain Plug**. **NOT** the Transaxle **ATF Drain Plug**.



Remove Rubber Cap from Bleeder Plug. Use **10mm** box end wrench to open Bleeder Plug and **14mm** to Hold Base. Bracket Holding Bleeder Plug is Not That Sturdy.



**Pour Used Coolant From Drain Pan Into Container
So You Can See How Much New Coolant To Add.**



**I Used The Distilled Water
Container I Mixed My SLIC
With. Do Not Use A
Container That Has Any
Kind of Substance That
Would Harm the System.**

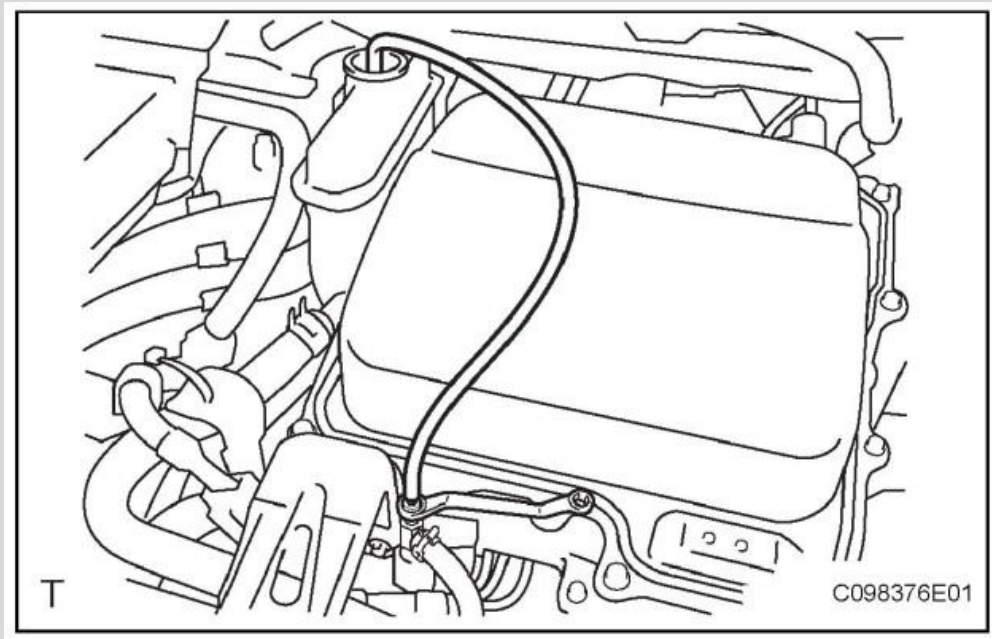


**When Coolant has Drained Completely
Put New Gasket Part # 94030-18008 on Drain Plug.
Install Plug - Torque to 29 ft. Lb. Do NOT Overtighten.**

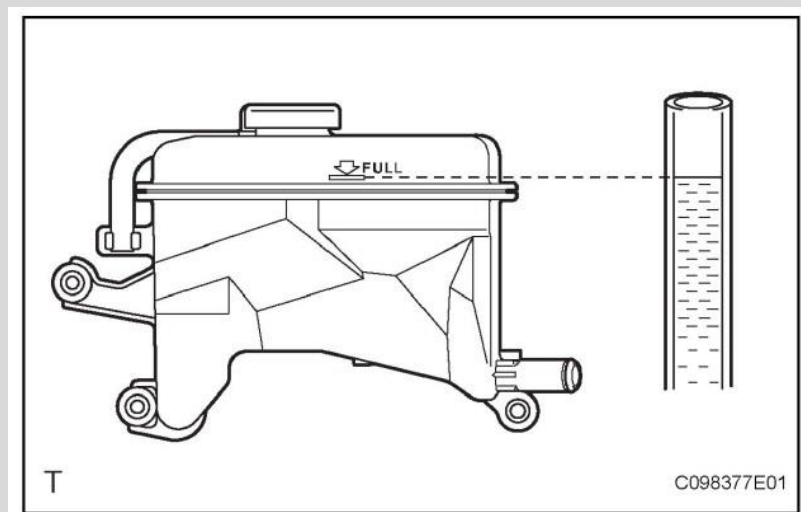


Adding Coolant

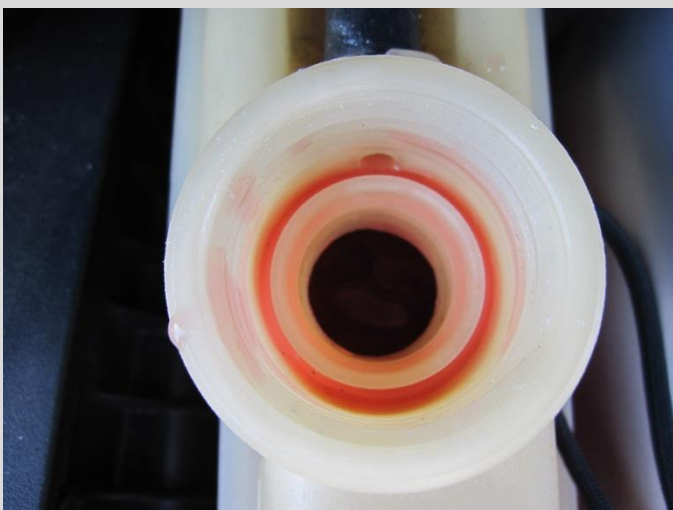
Connect the flexible tubing to the bleeder plug and run the other end into the Transaxle Coolant Reservoir Tank.



Using the Funnel, Slowly Add the New Coolant to The Reservoir Tank. As You Fill, Air Will Bubble Up Into The Tank and Out of The Bleeder Plug. When Air Stops Bubbling and Coolant comes Out of The Bleeder Plug up the Tube, Close Plug, Fill Reservoir Tank to Fill Line.



- 1. Close the Bleeder Plug.**
 - 2. Turn the Power Switch to ON (IG) and Let The Water Pump Run For About 20 Seconds.**
 - 3. Turn The Power Switch OFF.**
 - 4. Loosen the Bleeder Plug and Bleed Any Air From Transaxle. Close Bleeder Plug.**
 - 5. Add Coolant Into the Reservoir Tank to Fill Line.**
 - 6. Repeat Steps 2 or 3 Times or Until No Air Bleeds.**
- NOTE: Water Pump Noise Becomes Softer and Coolant Circulation in Reservoir Tank Improves. You Can Look In Open Tank and See Coolant Flowing. Flow Should Be GOOD.**
- Bleeding Is Complete. Replace Rubber Bleeder Cap. Replace Tank Cap.**



Replace Radiator Support Opening Cover

**Run Engine For About 5 Minutes In Well Ventilated Area.
Check Coolant Level In Transaxle Coolant Reservoir.**

**Job Complete. Time to Put Away Tools and
Dispose of Used Coolant.
Please Dispose of Used Coolant Properly.**

