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<b>Model Year Start:</b> 2014	<b>Model:</b> RAV4 EV	<b>Prod Date Range:</b> [09/2013 - ]
<b>Title:</b> COOLING: COOLANT (for Drive Unit): REPLACEMENT; 2014 MY RAV4 EV [09/2013 - ]		

## **REPLACEMENT**

### **1. REMOVE NO. 1 MOTOR UNDER COVER ASSEMBLY** [INFO](#)

### **2. DRAIN COOLANT**

#### **NOTICE:**

- Do not reuse the drained coolant because it may contain foreign objects.
- Collect the drained coolant and measure its volume to establish a benchmark. When adding coolant, make sure to add more coolant than the measured amount.

(a) Remove the reservoir tank cap.

#### **CAUTION:**

To avoid the danger of being burned, do not remove the reservoir tank cap while the coolant for the radiator is still hot.

(b) Disconnect the No. 4 inverter cooling hose from the electric vehicle motor assembly.

#### **CAUTION:**

Use caution when handling coolant immediately after driving or in summer because it may be hot.

#### **HINT:**

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

(c) Measure the amount of coolant that has been drained.

### **3. ADD COOLANT**

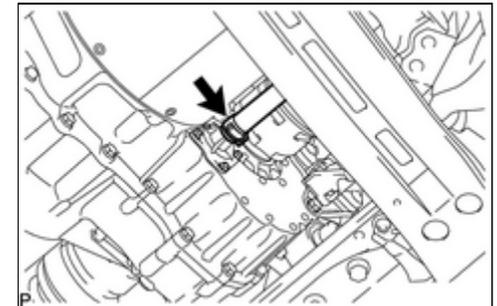
(a) Connect the No. 4 inverter cooling hose to the electric vehicle motor assembly.

(b) Apply vacuum from the radiator reservoir tank.

(c) Slowly pour coolant into the radiator reservoir tank until it reaches the FULL line.

Standard Capacity:

5.8 liters (6.1 US qts, 5.1 Imp. qts.)



**NOTICE:**

- Only use "Zerex G 48" or "Glysantin G 48".
- Do not use TOYOTA Super Long Life Coolant (SLLC) or similar high quality ethylene glycol based non-silicate, non-amine, non-nitrite, and non-borate coolant with long-life hybrid organic acid technology.
- To prevent foreign matter such as dust or dirt from entering the cooling system, make sure to confirm that the container used to add coolant is clean and free of foreign matter such as dust or dirt.

**HINT:**

The dilution ratio for both "Zerex G 48" and "Glysantin G 48" is 50% coolant and 50% deionized water. Therefore, dilution is needed when coolant in the vehicle is added.

(d) Turn the power switch on (READY).

(e) After turning the power switch on (READY), let the water pump assembly operate for approximately 2 minutes and then turn the power switch off. Repeat this procedure 3 times.

**NOTICE:**

- Be sure to turn the power switch off before adding "Zerex G48" or "Glysantin G 48".
- Do not perform maintenance inside the motor compartment room while the power switch is turned on (READY).

**HINT:**

Refill coolant to keep the radiator reservoir tank level near the FULL line.

(f) When air bleeding has been completed, pour coolant into the radiator reservoir tank until it reaches the FULL line, and install the reservoir tank cap.

(g) When replacing the electric vehicle traction motor assembly or electric vehicle charger assembly:

(1) Perform the firmware update [INFO](#) .

**4. INSPECT FOR COOLANT LEAK** [INFO](#)**5. INSTALL NO. 1 MOTOR UNDER COVER ASSEMBLY** [INFO](#)