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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> HYBRID / BATTERY CONTROL: HV BATTERY: INSTALLATION; 2014 MY RAV4 EV [09/2013 - ]		

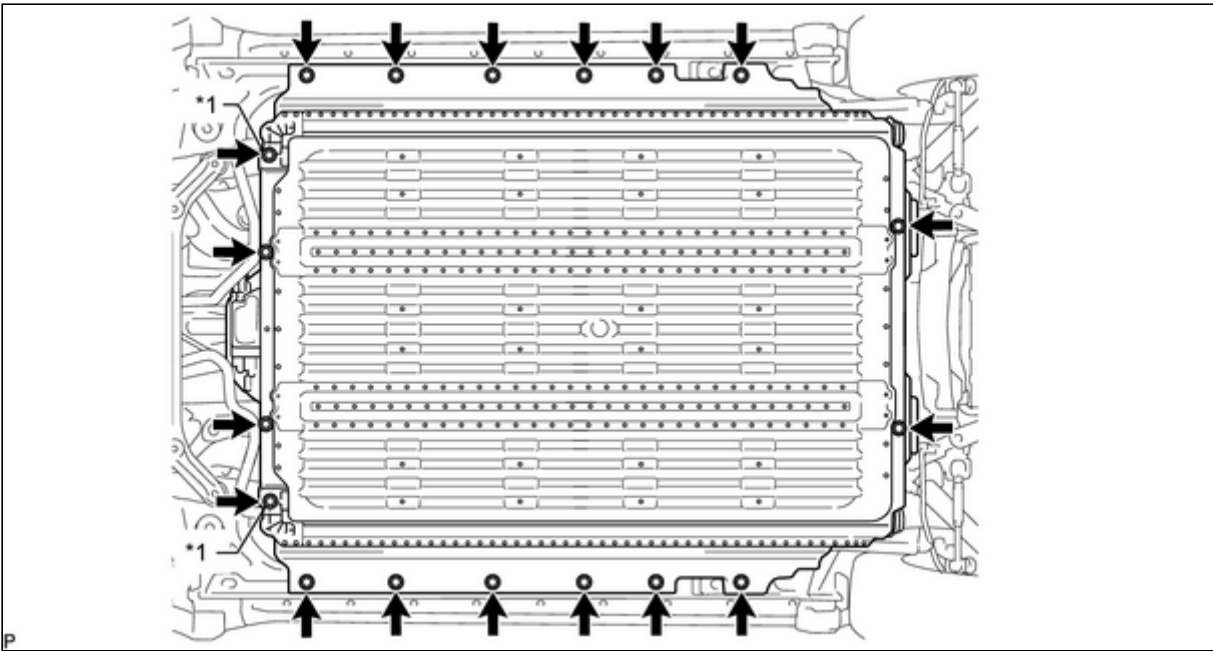
## INSTALLATION

### 1. INSTALL REAR BATTERY PACK FLOOR BOARD SUB-ASSEMBLY

- (a) Install the 2 rear battery pack floor boards with the 8 bolts.
- Torque:**  
37 N·m {377 kgf·cm, 27ft·lbf}

### 2. INSTALL ELECTRIC VEHICLE BATTERY ASSEMBLY

- CAUTION:**  
Wear insulated gloves and protective goggles.
- (a) Securely set the electric vehicle battery on a lifter.
- (b) Lift up the vehicle.
- (c) Move the lifter to the vehicle installation position.
- (d) Lower the vehicle and align the battery with the installation holes.
- (e) w/ Washer:  
Install the 2 washers.
- HINT:**  
Make sure the washers are as shown in the illustration.
- (f) Temporarily install the 18 bolts.
- NOTICE:**  
Do not use impact wrenches to prevent internal damage.



Text in Illustration

*1	Washer	-	-
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- (g) Raise the vehicle and tighten the bolts.

**Torque:**

**55 N·m {561 kgf·cm, 41ft·lbf}**

(h) Connect the connector.

(i) Install the ground cable with the nut.

**Torque:**

**8.4 N·m {85 kgf·cm, 74in·lbf}**

### 3. INSTALL HIGH VOLTAGE FUSE

**CAUTION:**

Wear insulated gloves and protective goggles.

**HINT:**

Perform this procedure only when replacement of the high voltage fuse is necessary.

(a) Install the high voltage fuse with the 2 bolts.

**Torque:**

**4.4 N·m {45 kgf·cm, 39in·lbf}**

### 4. CONNECT CHARGE CABLE

**CAUTION:**

Wear insulated gloves and protective goggles.

(a) Insert the charge cable and using an insulated tool, install the charge cable with the 2 bolts.

**Torque:**

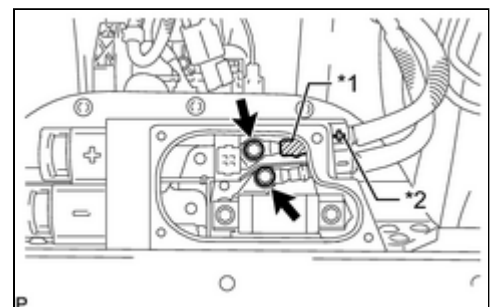
**4.4 N·m {45 kgf·cm, 39in·lbf}**

**NOTICE:**

- Do not allow any foreign matter or water on the O-ring of the cable connector or the outlet.
- If the O-ring is damaged, replace the charge cable.
- Install the harness marked with red tape to the positive terminal as shown in the illustration.

**Text in Illustration**

*1	Red Tape
*2	Positive Side



### 5. CONNECT MOTOR CABLE

**CAUTION:**

Wear insulated gloves and protective goggles.

(a) Insert the motor cable and using an insulated tool, install the motor cable with the 2 bolts.

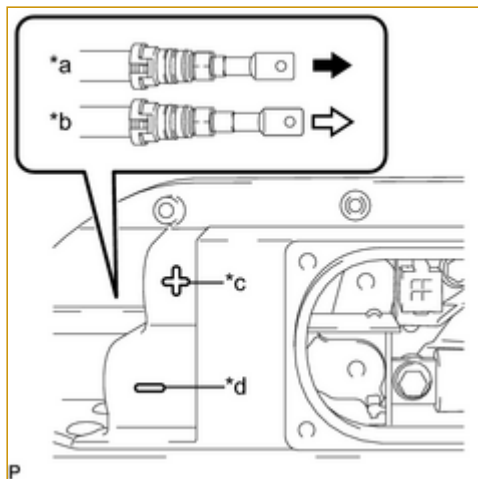
**Torque:**

**9.0 N·m {92 kgf·cm, 80in·lbf}**

**NOTICE:**

- Do not allow any foreign matter or water on the O-ring of the cable connector or the outlet.
- If the O-ring is damaged, replace the motor cable.

- Connect the short cable connector to the positive terminal.



#### Text in Illustration

*a	Short cable (Positive Terminal)
*b	Long cable (Negative Terminal)
*c	Positive terminal side
*d	Negative terminal side
➡	Positive terminal
➞	Negative terminal

(b) Install the motor cable with the 2 nuts.

#### Torque:

**7.7 N·m {78 kgf·cm, 68in·lbf}**

### 6. INSTALL ELECTRIC VEHICLE BATTERY ACCESS COVER

#### CAUTION:

Wear insulated gloves and protective goggles.

#### NOTICE:

Do not allow any foreign matter or water to enter the electric vehicle battery assembly.

(a) Install a new gasket.

(b) Install the electric vehicle battery access cover with the 4 bolts.

#### Torque:

**18 N·m {184 kgf·cm, 13ft·lbf}**

#### NOTICE:

- Make sure that the interlock is fully engaged.
- Do not allow any foreign matter or water to enter the electric vehicle battery access cover.

### 7. CONNECT COOLING HOSE

(a) Connect the No. 8 EV battery hose clamp and attach the clamp.

(b) Connect the No. 7 EV battery hose and attach the clamp.

### 8. INSTALL SERVICE PLUG GRIP

INFO

## 9. CONNECT CABLE TO NEGATIVE AUXILIARY BATTERY TERMINAL

### NOTICE:

When disconnecting the cable, some systems need to be initialized after the cable is reconnected INFO .

## 10. ADD COOLANT (for HV Battery)

INFO

## 11. INSPECT FOR COOLANT LEAK (for HV Battery) INFO

## 12. INSTALL UPPER NO. 1 FLOOR BOARD INFO

## 13. INSTALL NO. 1 MOTOR UNDER COVER ASSEMBLY INFO

