

REMOVAL

1. REMOVE PCU COVER

Remove the 12 bolts, PCU cover and gasket.

NOTICE:

Using a clean shop rag, cover the circuit boards. Do not touch the circuit boards.

HINT:

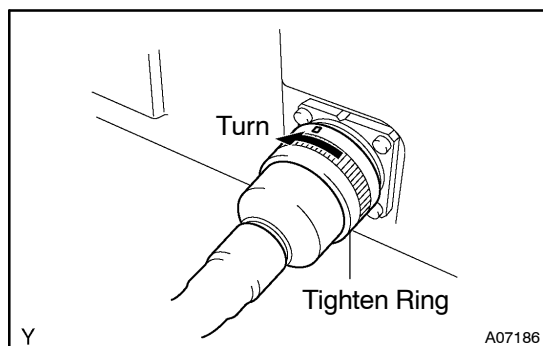
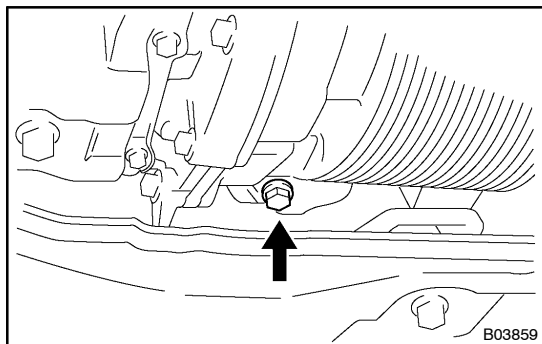
Check that the gasket is not coming out or coming off.

2. REMOVE HOOD

3. DRAIN EV COOLANT

Remove the drain plug, and drain the EV coolant from the traction motor.

4. REMOVE RADIATOR ASSEMBLY (See page CO-9)

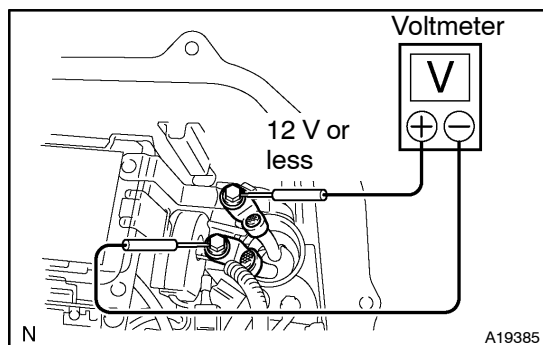


5. REMOVE EV CHARGE PORT CONNECTOR

Turn the tighten ring counterclockwise, and disconnect the port connector from the receptacle.

6. DISCONNECT EV COOLANT HOSES

Disconnect the 2 coolant hoses from the unions.

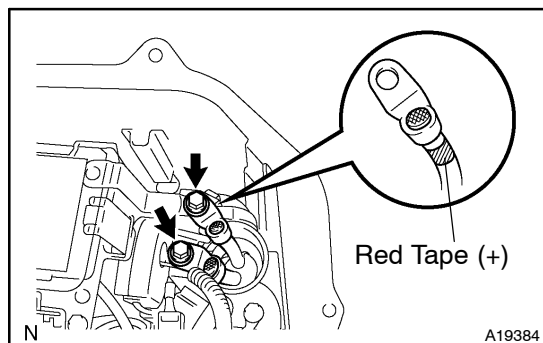


7. INSPECT VOLTAGE

Wearing insulated gloves, measure the voltage between traction batteries positive (+) and negative (-). Check that the voltage is 12 V or less.

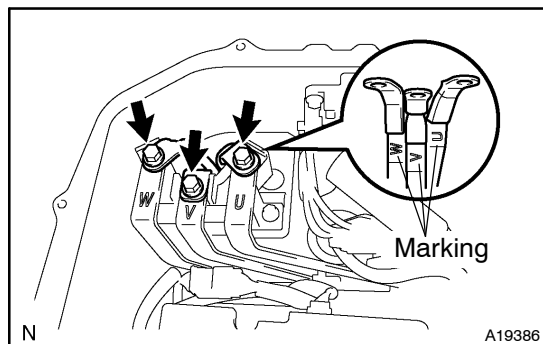
NOTICE:

Check the voltage without fail before disconnecting the cable.



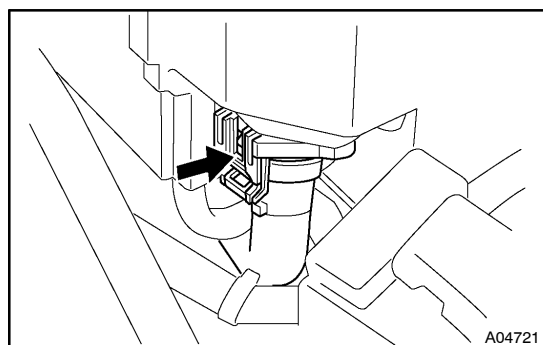
8. DISCONNECT TRACTION BATTERIES CABLE

- Using insulated tools, remove the 2 bolts and disconnect the 2 batteries cables.
- Push the coupler lock arm, and then pull out the cable cover (See procedure step 9 (b)).
- Using vinyl tape, insulate the terminals.



9. DISCONNECT TRACTION MOTOR CABLE

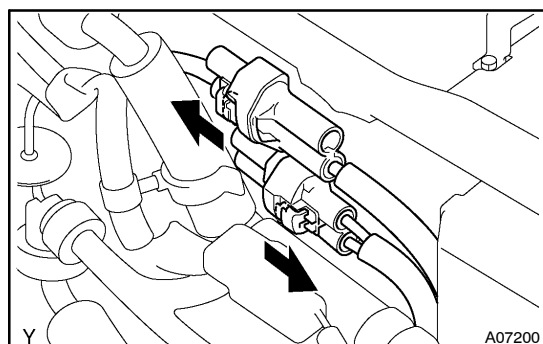
- (a) Remove the 3 bolts and disconnect the 3 motor cables.



- (b) Push the coupler lock arm, and then pull out the cable cover.

10. REMOVE A/C BRACKETS

- (a) Remove the bolt, nut and right side bracket.
(b) Remove the bolt, nut and rear side bracket.

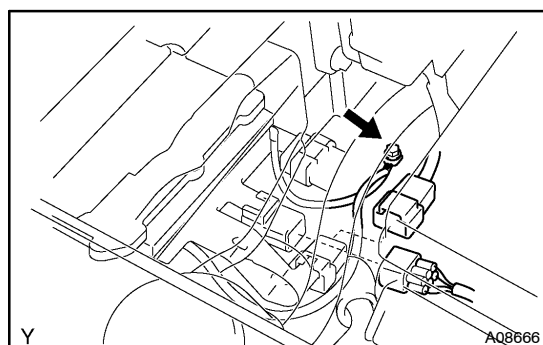


11. DISCONNECT A/C COMPRESSOR CONNECTORS

- (a) Disconnect the 2 connectors.
(1) Place a finger on the slider.
(2) Slide the slider to release the lock.
(3) Disconnect the connector.
(b) Remove the 2 bolts, and disconnect the connector holder from the PCU.

12. DISCONNECT PCU CONNECTOR COVERS AND CONNECTORS

- (a) Remove the 5 bolts, and disconnect the PCU connector cover, and disconnect the 4 EV ECU connectors.
(b) Remove the 5 bolts, and disconnect the PCU connector cover, and disconnect the 2 battery ECU connectors.
(c) Remove the 5 bolts, and disconnect the PCU connector cover, and disconnect the 2 PS motor controller connectors and motor room No. 2 connector.

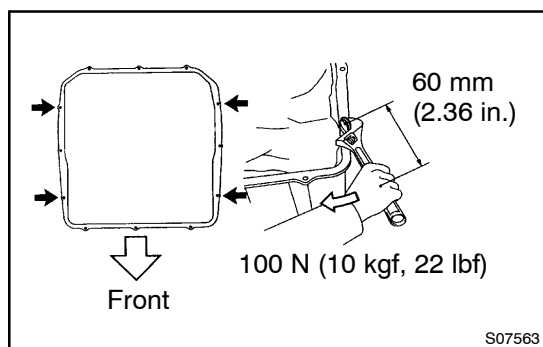


13. DISCONNECT DC/DC CONVERTER CONNECTORS

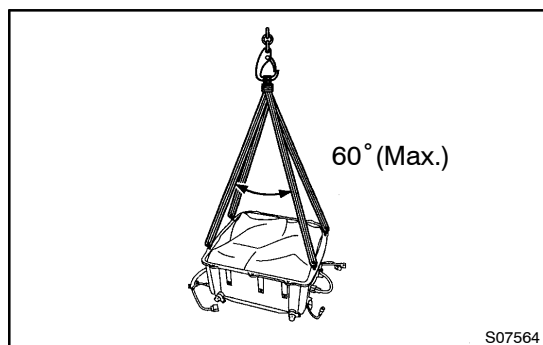
Disconnect the 2 DC/DC converter connectors.

14. DISCONNECT GROUND CABLE

Remove the bolt, and disconnect the ground cable from the body.

**15. REMOVE PCU**

- (a) Remove the 2 bolts and 2 nuts holding the mounting bracket to the crossmember.
- (b) Install the 4 eye bolts with the washers to the locations in the illustration.



- (c) Hoist the PCU as shown in the illustration.

Rope length: Approx. 10 m (3.28 ft)

NOTICE:

Make sure that the PCU is hoisted horizontally.

- (d) Remove the PCU.