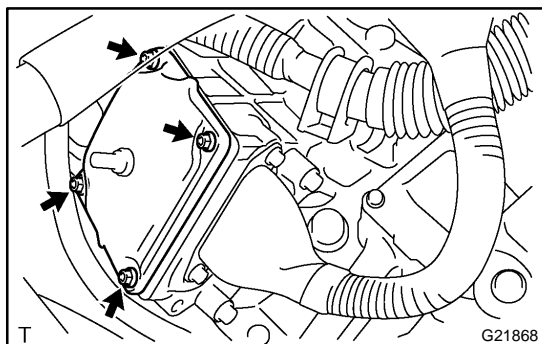


# GENERATOR CABLE REPLACEMENT

22011-01

## NOTICE:

- When working on the high voltage systems, always wear insulated gloves.
  - After removing the service plug grip, do not operate the power switch as it may damage the hybrid vehicle control ECU.
  - Keep the removed service plug in your pocket to prevent other technicians from reconnecting it while you are servicing the vehicle.
  - After removing the service plug grip, do not touch the high voltage connectors and terminals for 5 minutes.
1. DISCONNECT BATTERY NEGATIVE TERMINAL
  2. REMOVE SERVICE PLUG GRIP (SEE PAGE 01-5)
  3. REMOVE ENGINE UNDER COVER LH
  4. REMOVE ENGINE UNDER COVER RH
  5. DRAIN COOLANT (SEE PAGE 22-4)
  6. REMOVE COWL TOP PANEL SUB-ASSY OUTER FRONT (SEE PAGE 21-23)
  7. REMOVE W/CONVERTER INVERTER ASSY (SEE PAGE 21-23)



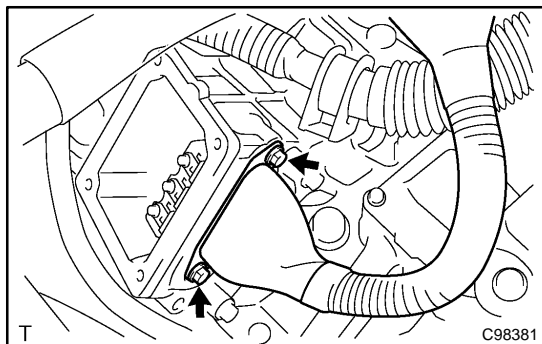
## 8. REMOVE GENERATOR CABLE

- (a) Zero bolt confirmation process.

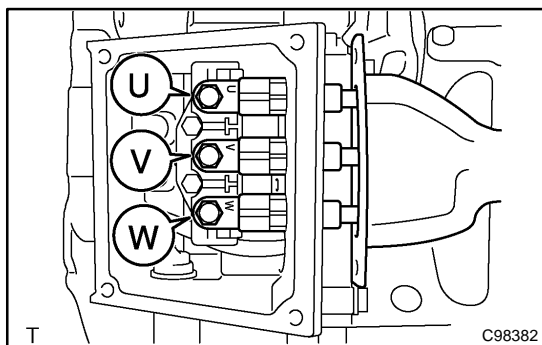
### NOTICE:

Ensure that insulated gloves are worn when carrying out this procedure.

- (1) Remove the 4 bolts and power cable cover.



- (2) Remove the two bolts from the generator cable.

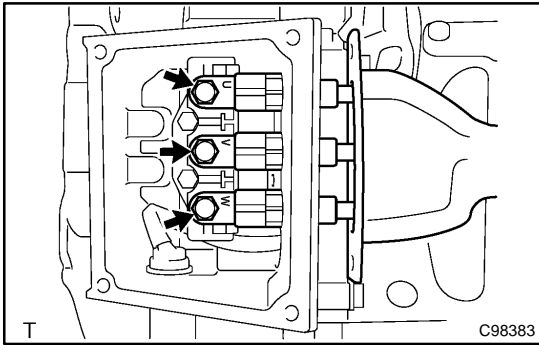


- (3) Inspect the voltage between each of the 3 phase AC terminals (U to V, V to W, U to W) and body earth using the Toyota electrical tester.

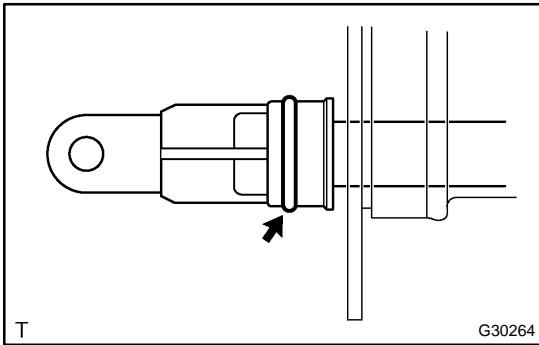
**Standard value: 0 V**

### HINT:

Use the Toyota Electrical Tester on measured ranges of DC 400 volts or more.

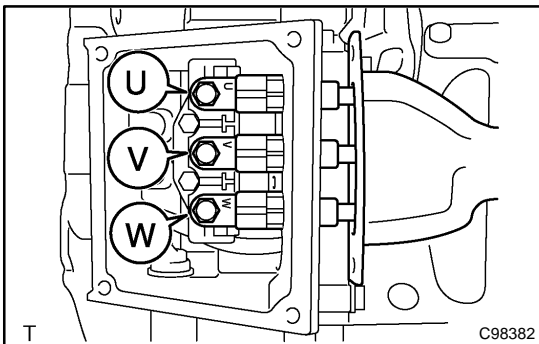


(b) Remove the 3 bolts and generator cable.



**9. INSTALL GENERATOR CABLE**

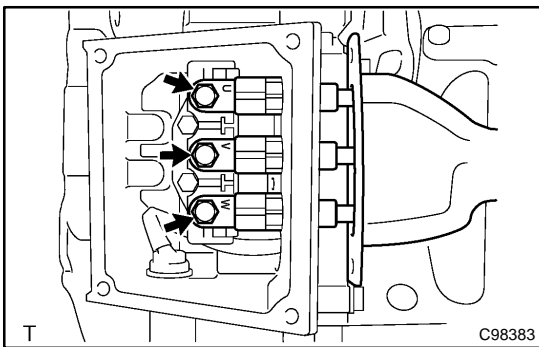
(a) Apply a small amount of ATF WS to the generator cable O-ring.



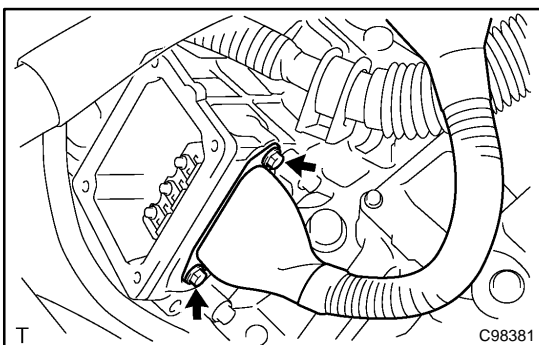
(b) Connect the generator cable as shown in the illustration.

**NOTICE:**

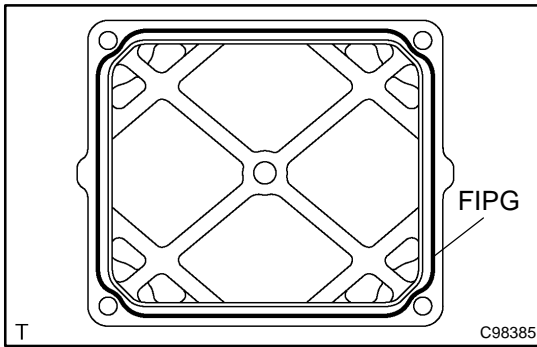
- **Connect by aligning the letters U, V and W.**
- **Ensure that no foreign objects are attached to the O-ring when connecting the cables.**



(c) Install the generator cable (terminals) with the 3 bolts.  
**Torque: 8.5 N·m (87 kgf·cm, 71 in·lbf)**



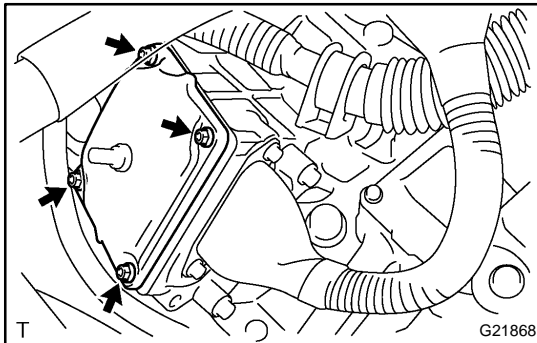
(d) Install the generator cable with the 2 bolts.  
**Torque: 5.8 N·m (59 kgf·cm, 51 in·lbf)**



- (e) Apply seal packing 1281 in a continuous line of beads (diameter 1.5 mm) to the power cable cover.

**NOTICE:**

- **Clean and degrease the installation surfaces.**
- **Install within 10 minutes of applying seal packing.**
- **Ensure that no foreign objects are inserted when the power cable cover is attached.**



- (f) Install the power cable cover with the 4 bolts.  
**Torque: 4.8 N·m (49 kgf·cm, 42 in·lbf)**

10. **INSTALL W/CONVERTER INVERTER ASSY (SEE PAGE 21-23)**
11. **INSTALL COWL TOP PANEL SUB-ASSY OUTER FRONT (SEE PAGE 21-23)**
12. **INSTALL ENGINE UNDER COVER RH**
13. **INSTALL ENGINE UNDER COVER LH**
14. **INSTALL SERVICE PLUG GRIP (SEE PAGE 01-5)**
15. **CONNECT BATTERY NEGATIVE TERMINAL**
16. **ADD COOLANT (SEE PAGE 22-4)**
17. **CHECK FOR ENGINE COOLANT LEAKS (SEE PAGE 16-2)**
18. **PERFORM INITIALIZATION (SEE PAGE 01-28)**