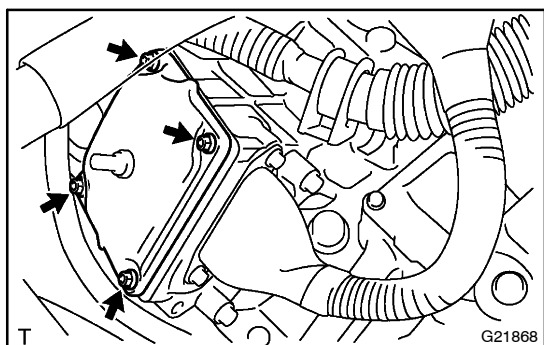


GENERATOR CABLE REPLACEMENT

2201Y-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 66-16)
 7. REMOVE W/CONVERTER INVERTER ASSY (SEE PAGE 21-25)



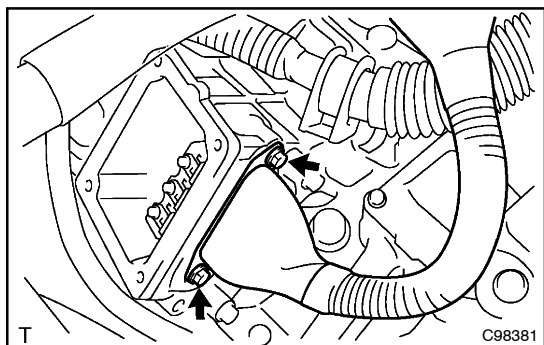
8. REMOVE GENERATOR CABLE

(a) Zero bolt confirmation process.

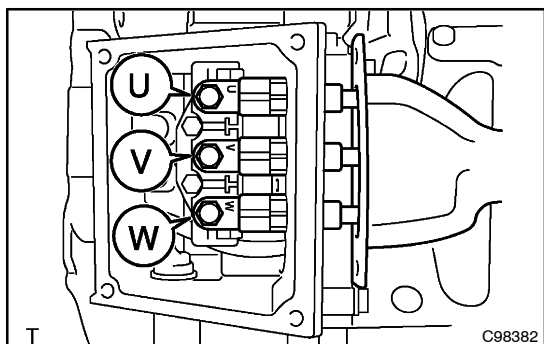
NOTICE:

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.

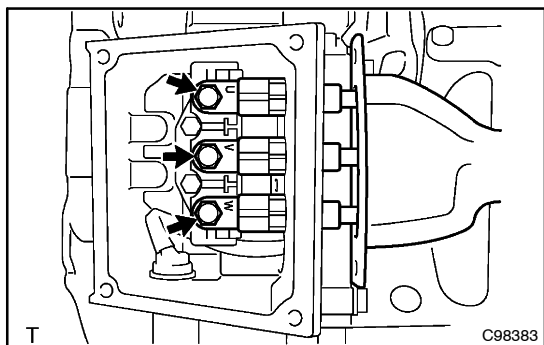


(3) Inspect the voltage between each of the 3 phase AC terminals (U to V, V to W, U to W) and body earth using the Toyota electrical tester.

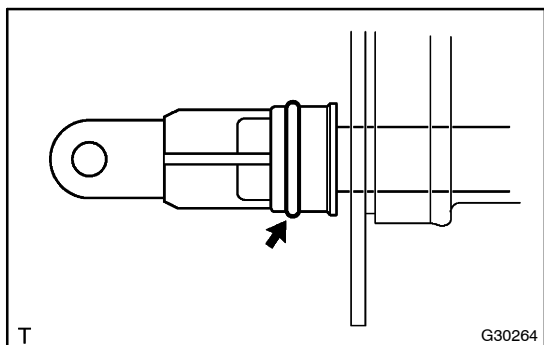
Standard value: 0 V

HINT:

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

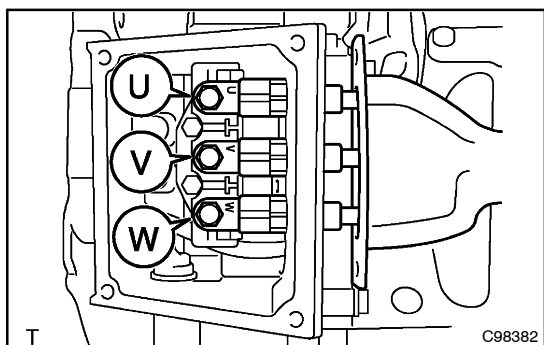


- (b) Remove the 3 bolts and generator cable.



9. INSTALL GENERATOR CABLE

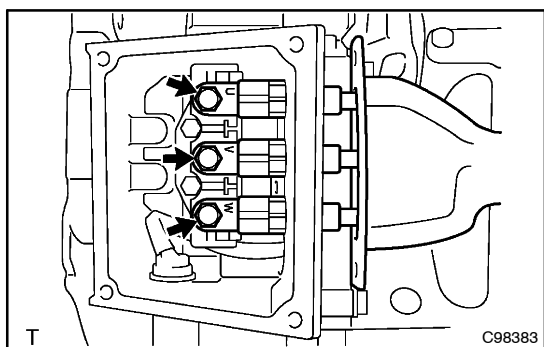
- (a) Apply a small amount of ATF WS to the generator cable O-ring.



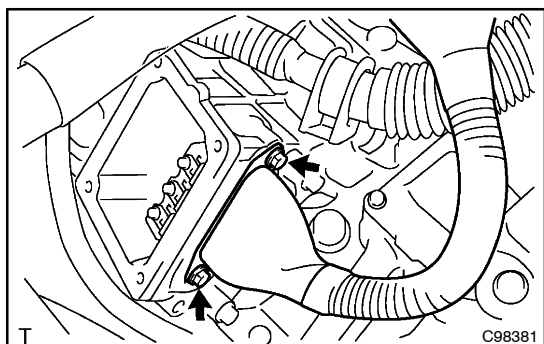
- (b) Connect the generator cable as shown in the illustration.

NOTICE:

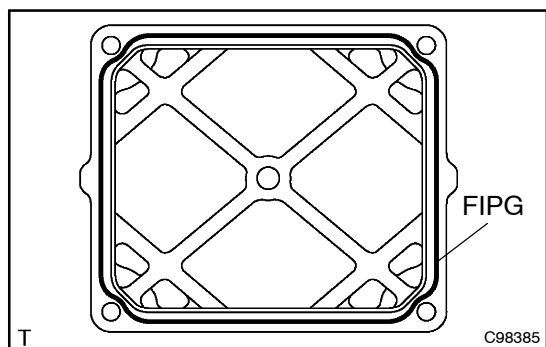
- **Connect by aligning the letters U, V and W.**
- **Ensure that no foreign objects are attached to the O-ring when connecting the cables.**



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



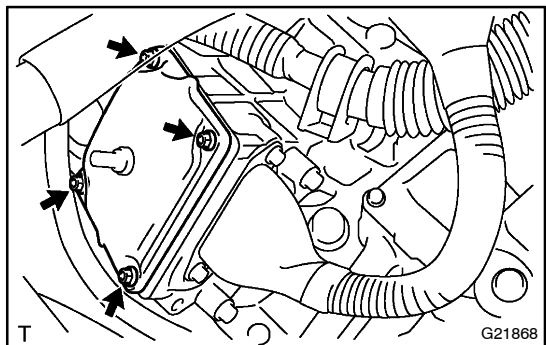
- (d) Install the generator cable with the 2 bolts.
Torque: 5.8 N·m (59 kgf·cm, 51 in·lbf)



- (e) Apply seal packing 281 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.·lb)

10. INSTALL W/CONVERTER INVERTER ASSY (SEE PAGE 21-25)
11. INSTALL COWL TOP PANEL SUB-ASSY OUTER FRONT (SEE PAGE 66-16)
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 16-11)
18. PERFORM INITIALIZATION (SEE PAGE 01-29)