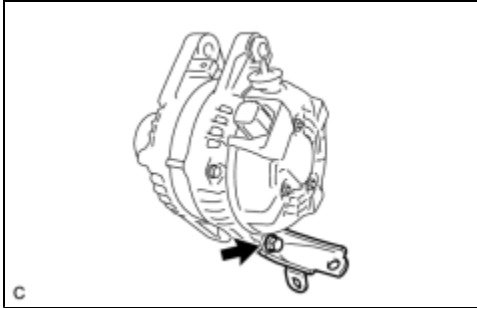


Last Modified: 7-13-2007		1.6 A
Service Category: Power Source/Network	Section: Battery/Charging	
Model Year: 2008	Model: ES350	Doc ID: RM000002EQW002X
Title: 2GR-FE CHARGING: GENERATOR: INSTALLATION (2008 ES350)		

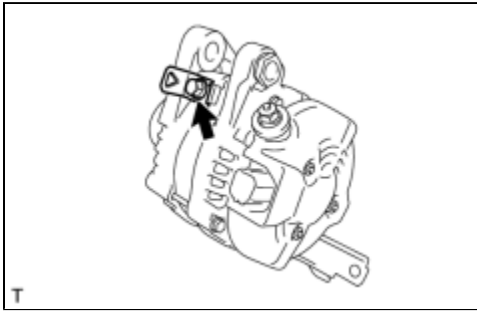
INSTALLATION

1. INSTALL GENERATOR ASSEMBLY



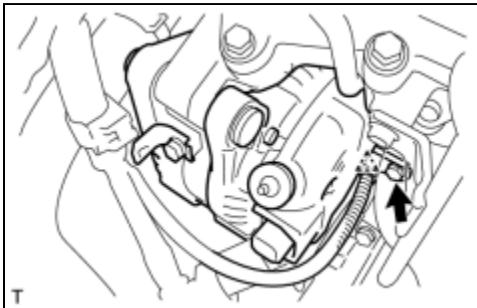
(a) Install the bracket with the bolt.

Torque: 20 N·m (204 kgf·cm, 15 ft·lbf)



(b) Install the wire harness clamp stay with the bolt.

Torque: 8.4 N·m (86 kgf·cm, 74 in·lbf)



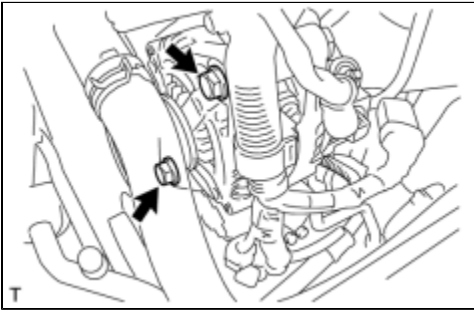
(c) Connect the wire harness clamp.

(d) Install the generator assembly to the cylinder block with the bolt.

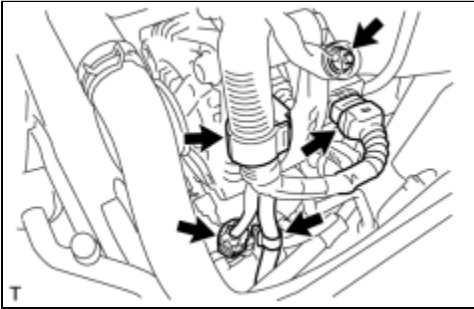
Torque: 20 N·m (204 kgf·cm, 15 ft·lbf)

(e) Install the 2 bolts.

Torque: 43 N·m (438 kgf·cm, 32 ft·lbf)



(f) Connect the generator connector to the generator assembly.



(g) Install the generator wire with the nut.

Torque: 9.8 N·m (100 kgf·cm, 87 in·lbf)

(h) Install the terminal cap.

(i) Connect the 2 wire harness clamps.

(j) Connect the magnetic clutch connector to the compressor and magnetic clutch.

2. INSTALL V-RIBBED BELT [INFO](#)

3. INSTALL RADIATOR ASSEMBLY [INFO](#)

4. INSTALL FAN SHROUD [INFO](#)

5. INSTALL RADIATOR SUPPORT UPPER [INFO](#)

6. CONNECT NO. 1 OIL COOLER OUTLET TUBE [INFO](#)















7. CONNECT NO. 1 OIL COOLER INLET TUBE [INFO](#)

8. CONNECT RADIATOR HOSE OUTLET [INFO](#)

9. CONNECT RADIATOR HOSE INLET [INFO](#)

10. CONNECT RADIATOR RESERVOIR TANK HOSE [INFO](#)

11. INSTALL MILLIMETER WAVE RADAR SENSOR ASSEMBLY (w/ Dynamic Radar Cruise Control System) [INFO](#)

12. INSTALL FRONT BUMPER ENERGY ABSORBER 
13. INSTALL FRONT BUMPER ASSEMBLY 
14. INSTALL NO. 1 AIR CLEANER INLET 
15. INSTALL NO. 2 AIR CLEANER INLET 
16. INSTALL AIR CLEANER CAP SUB-ASSEMBLY 
17. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL 
18. ADD ENGINE COOLANT 
19. CHECK FOR ENGINE COOLANT LEAKS 
20. INSTALL ENGINE UNDER COVER LH
21. INSTALL ENGINE UNDER COVER RH
22. INSTALL FRONT WHEEL OPENING EXTENSION PAD LH
23. INSTALL FRONT WHEEL OPENING EXTENSION PAD RH
24. INSTALL FRONT FENDER APRON SEAL RH
25. INSTALL V-BANK COVER SUB-ASSEMBLY 
26. INSTALL ENGINE ROOM SIDE COVER LH 
27. INSTALL ENGINE ROOM SIDE COVER RH 
28. INSTALL COOL AIR INTAKE DUCT SEAL 
29. INSTALL FRONT WHEEL RH 
30. PERFORM INITIALIZATION
 - (a) Perform initialization procedure  .

NOTICE:

Some vehicle systems require initialization after reconnecting the cable to the negative battery terminal.

