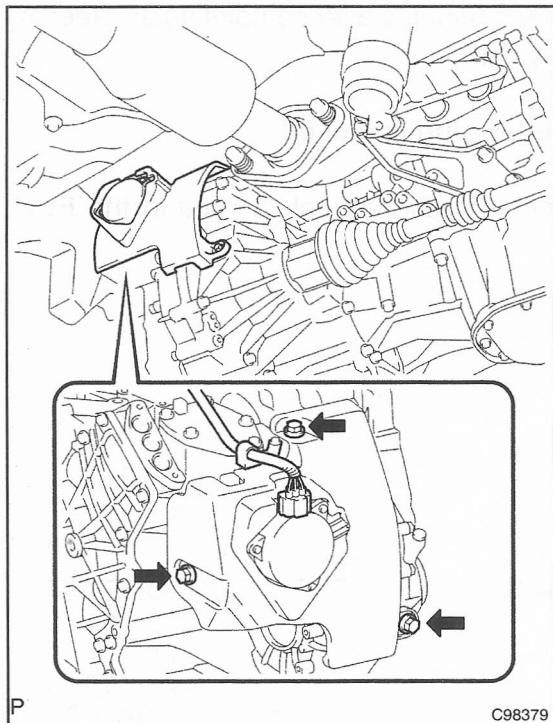


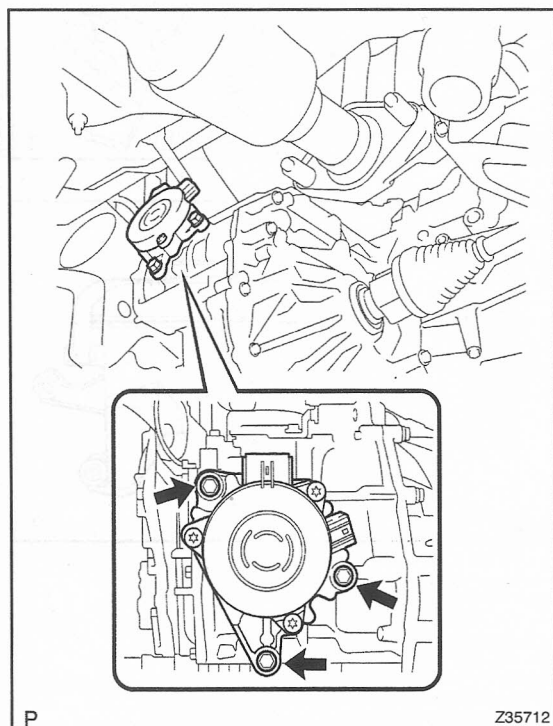
SHIFT CONTROL ACTUATOR ASSY REPLACEMENT

2200W-01

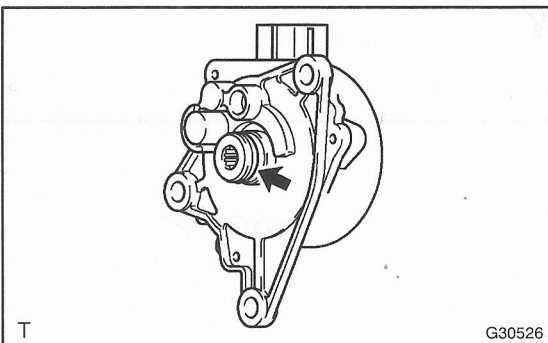


1. REMOVE SHIFT CONTROL ACTUATOR ASSY

- (a) Disconnect the connector.
- (b) Remove the 3 bolts. Remove the transmission case cover from the hybrid vehicle transaxle.

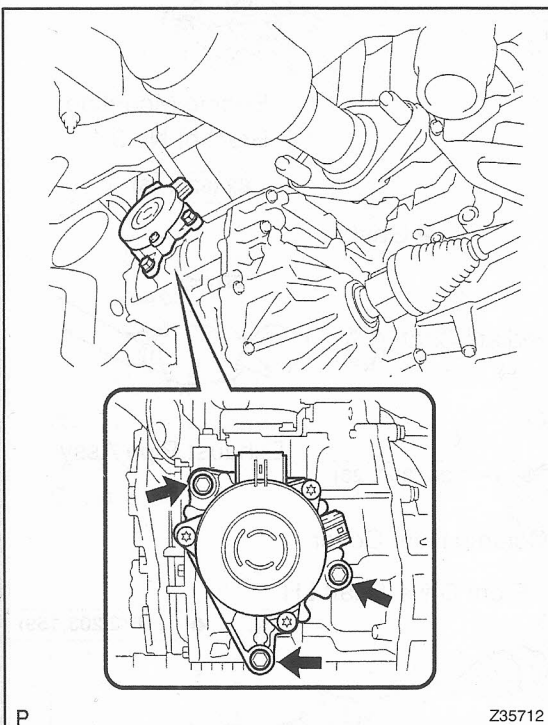


- (c) Remove the 3 bolts. Remove the shift control actuator assy from the hybrid vehicle transaxle.



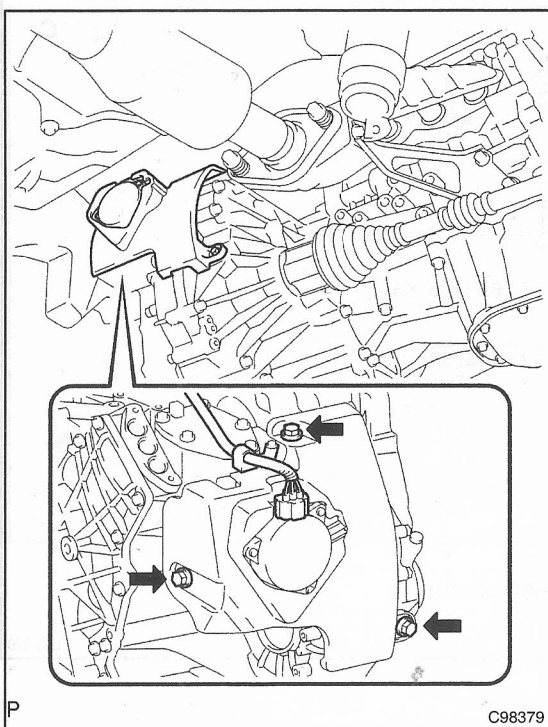
2. INSTALL SHIFT CONTROL ACTUATOR ASSY

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



- (b) Install the shift control actuator assy to the hybrid vehicle transaxle using the 3 bolts.

Torque: 16 N·m (160 kgf·cm, 12 ft·lbf)



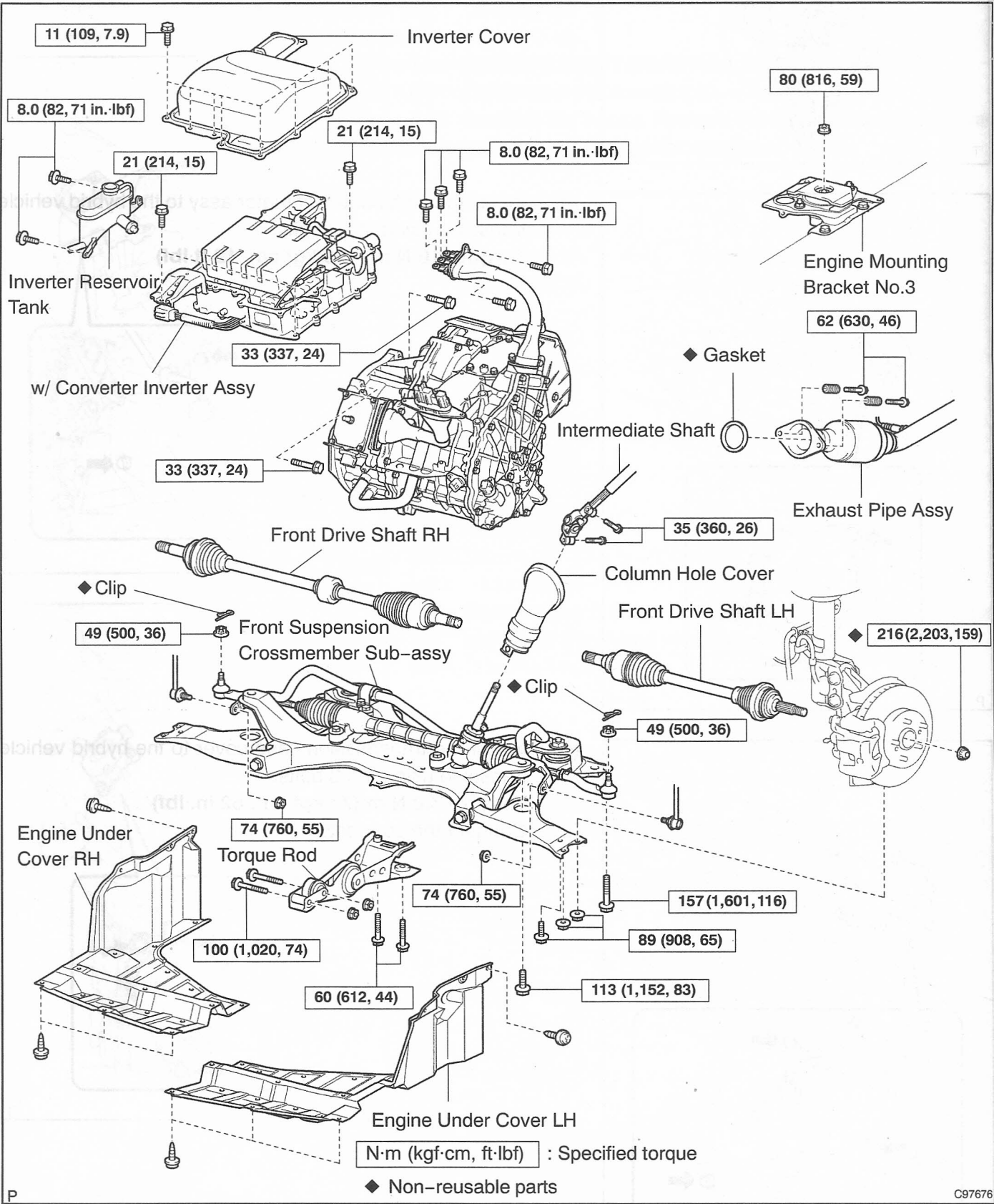
- (c) Install the transmission case cover to the hybrid vehicle transaxle using the 3 bolts.

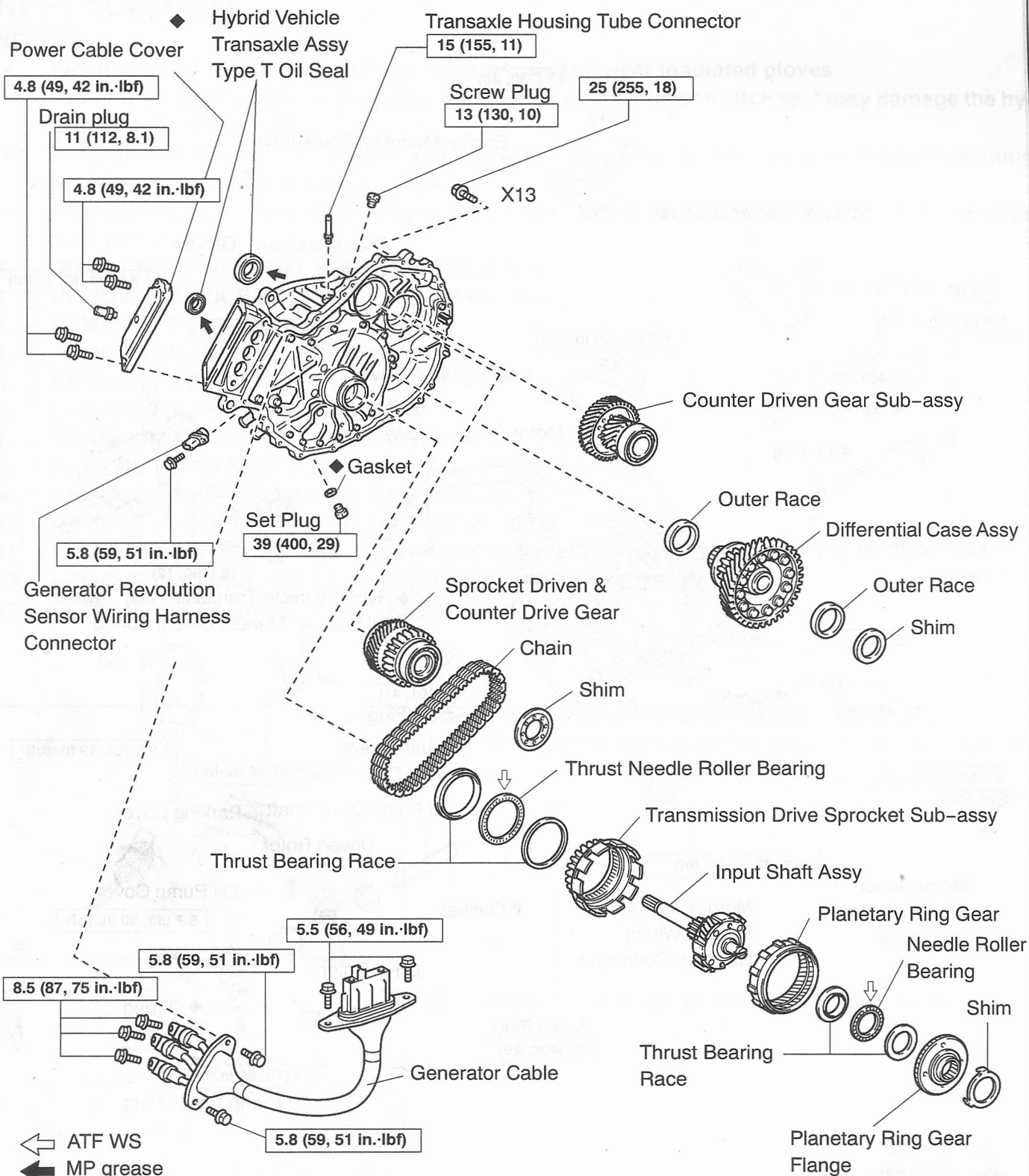
Torque: 7.0 N·m (71 kgf·cm, 62 in·lbf)

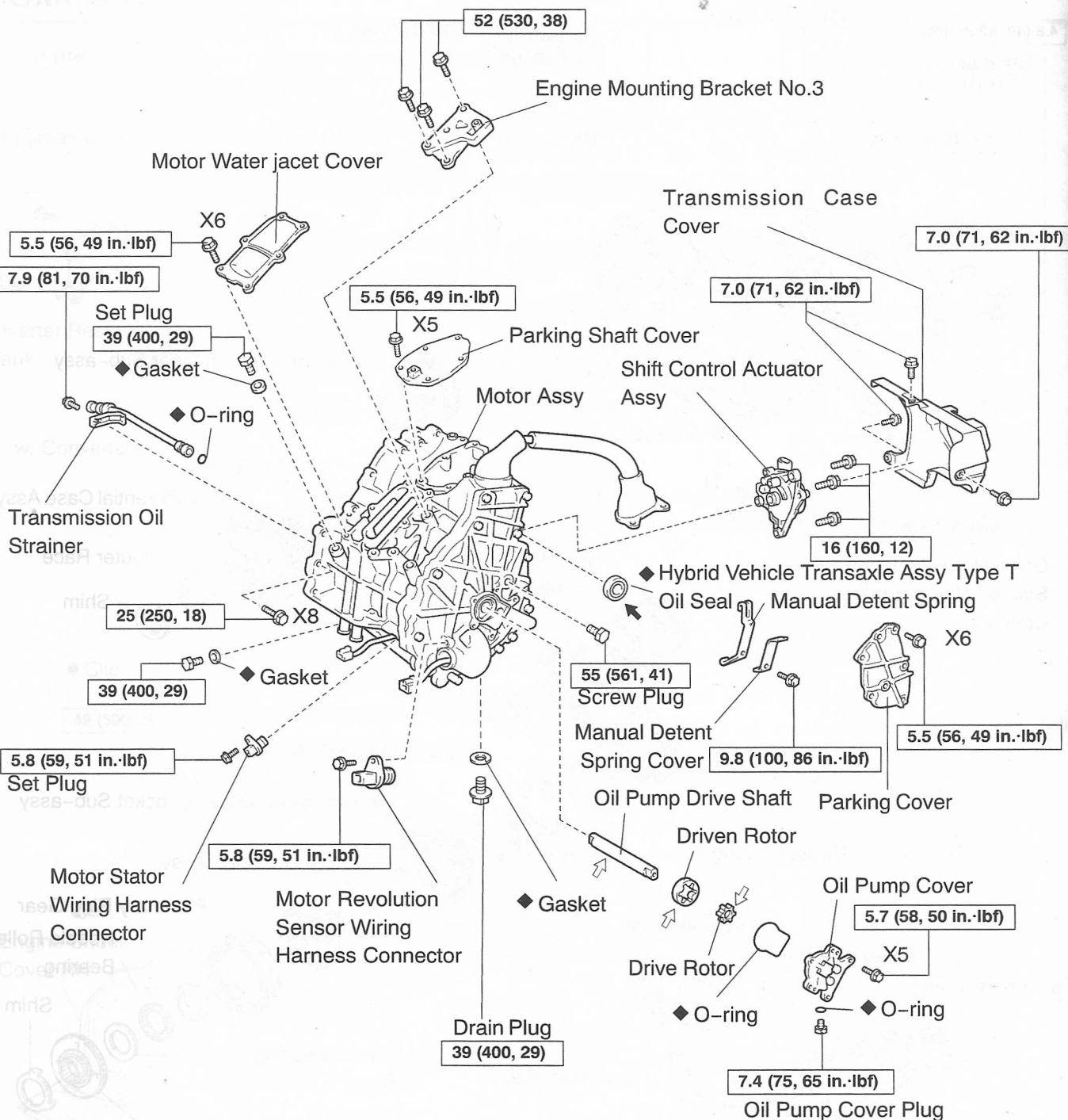
- (d) Connect the connector.

HYBRID VEHICLE TRANSAXLE ASSY

COMPONENTS







↖ ATF WS

↖ MP grease

N·m (kgf·cm, ft·lbf) : Specified torque

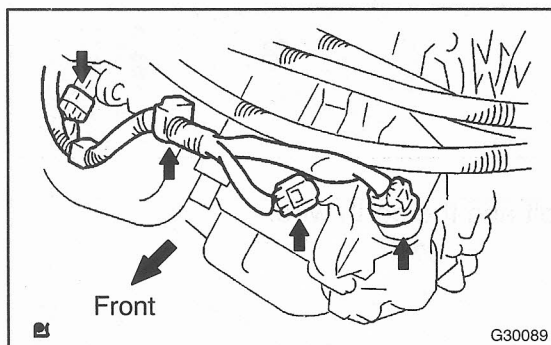
◆ Non-reusable parts

REPLACEMENT

NOTICE:

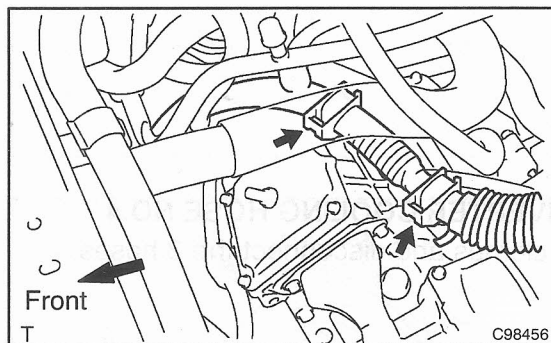
- When working on the high voltage systems, always wear insulated gloves.
- After removing the service plug grip, do not operate the power switch as it may damage the hybrid vehicle control ECU.
- Keep the removed service plug in your pocket to prevent other technicians from reconnecting it while you 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 FRONT WHEELS
4. REMOVE ENGINE UNDER COVER LH
5. REMOVE ENGINE UNDER COVER RH
6. DRAIN COOLANT (SEE PAGE 22-4)
7. DRAIN TRANSAXLE OIL (SEE PAGE 22-1)
8. REMOVE HOOD SUB-ASSY (SEE PAGE 75-4)
9. REMOVE FR WIPER ARM RH (SEE PAGE 66-14)
10. REMOVE FR WIPER ARM LH (SEE PAGE 66-14)
11. REMOVE COWL TOP PANEL SUB-ASSY OUTER FRONT (SEE PAGE 21-23)
12. REMOVE W/CONVERTER INVERTER ASSY (SEE PAGE 21-23)
13. REMOVE AIR CLEANER ASSY (SEE PAGE 14-32)

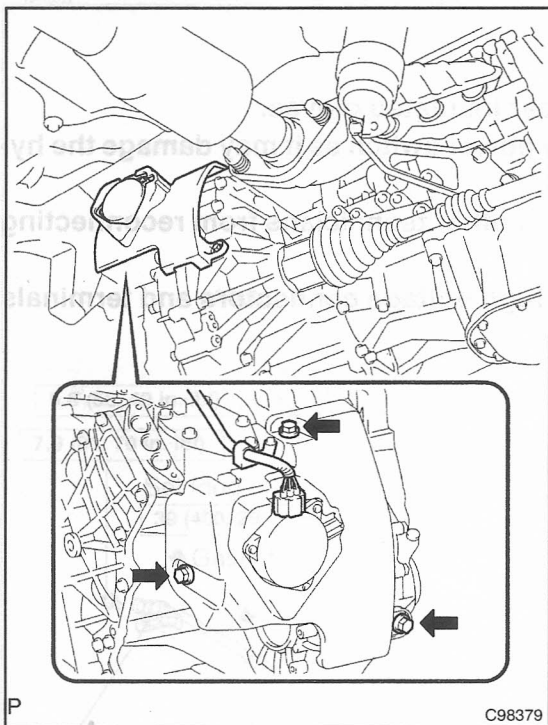


14. DISCONNECT WIRE HARNESS

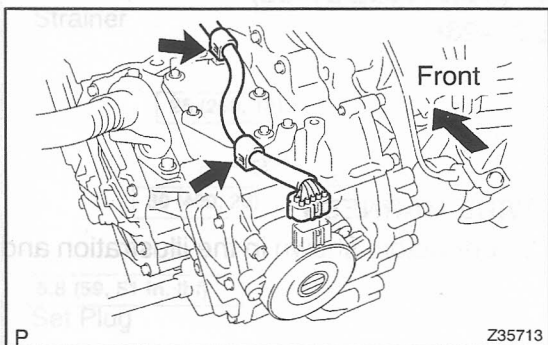
- (a) Disconnect the 3 connectors shown in the illustration and the clamp.



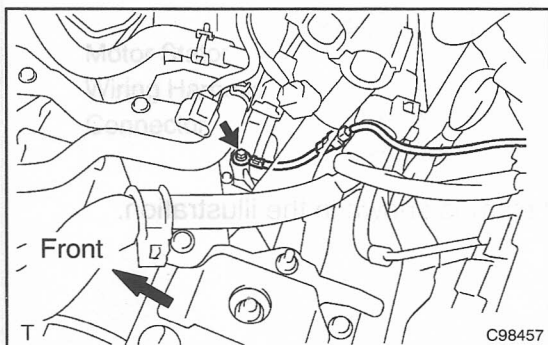
- (b) Separate the 2 clamps shown in the illustration.



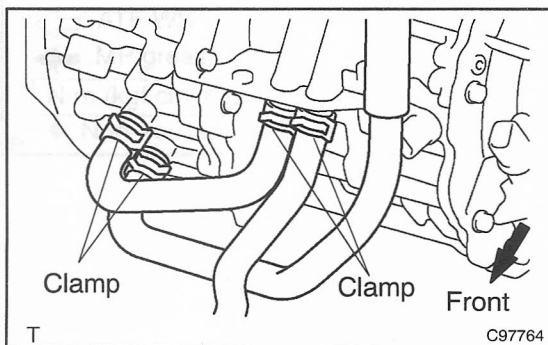
- (c) Disconnect the connector.
- (d) Remove the 3 bolts and the transmission case cover from the hybrid vehicle transaxle.



- (e) Disconnect the 2 clamps.



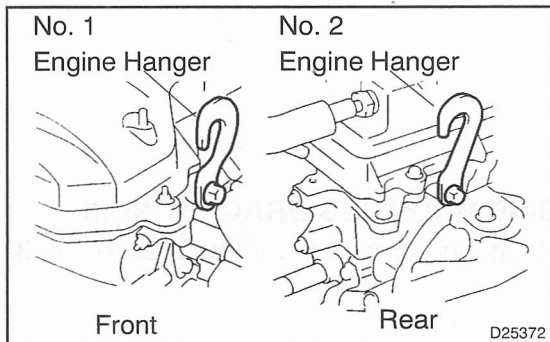
- (f) Remove the bolt and the earth wire.



15. SEPARATE INVERTER COOLING HOSE NO.4

- (a) Remove the 4 clamps and disconnect the 3 hoses.

16. REMOVE FRONT DRIVE SHAFT ASSY LH (SEE PAGE 30-7)
17. REMOVE FRONT DRIVE SHAFT ASSY RH (SEE PAGE 30-7)
SST 09520-01010, 09520-24010 (09520-32040)
18. SEPARATE EXHAUST PIPE ASSY (SEE PAGE 15-2)
19. REMOVE FRONT SUSPENSION CROSSMEMBER SUB-ASSY (SEE PAGE 14-32)



20. SUSPEND ENGINE ASSY

- (a) Disconnect the 2 PCV hoses.
- (b) Install the No.1 and No.2 engine hangers in the correct direction.

Parts No.:

No.1 engine hanger: 12281-22021

No.2 engine hanger: 12281-15040

Bolt: 91512-B1016

Torque: 38 N·m (387 kgf·cm, 28 ft·lbf)

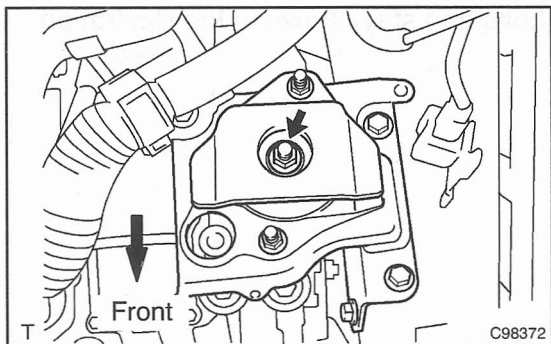
- (c) Attach the engine chain hoist to the engine hangers.

CAUTION:

Do not attempt to hang the engine by hooking the chain to any other parts.

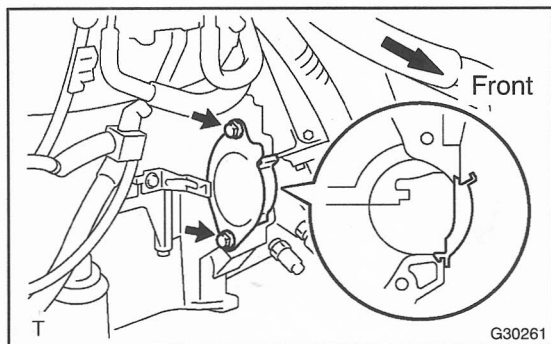
21. SUPPORT HYBRID VEHICLE TRANSAXLE ASSY

- (a) Using a transmission jack, support the hybrid vehicle transaxle assy.



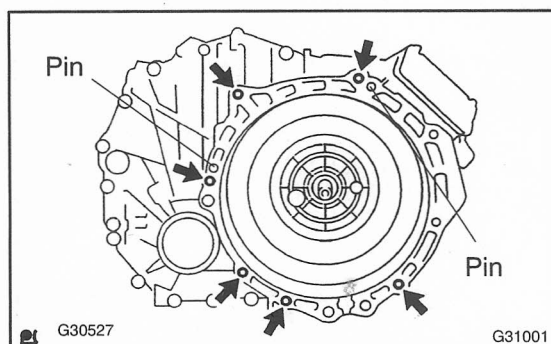
22. SEPARATE ENGINE MOUNTING BRACKET NO.3

- (a) Remove the nut and disconnect engine mounting bracket No.3 from the engine mounting insulator.



23. REMOVE HYBRID VEHICLE TRANSAXLE ASSY

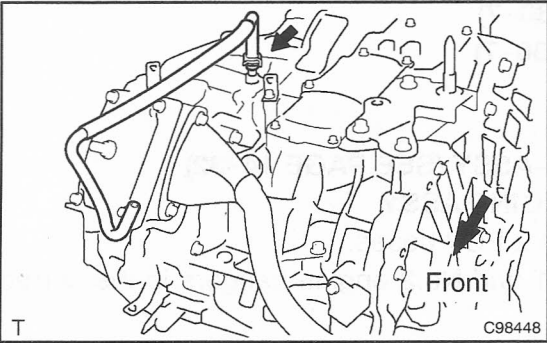
- (a) Remove the 2 bolts, starter cover and housing side cover.



- (b) Remove the 6 bolts and hybrid vehicle transaxle assy.

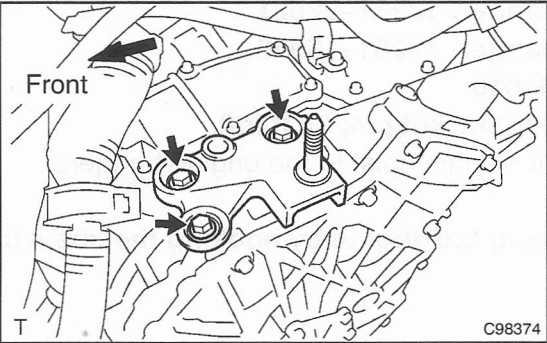
NOTICE:

To avoid damage to the knock pin, do not pry the connecting portion of the HV transaxle assy and the engine.



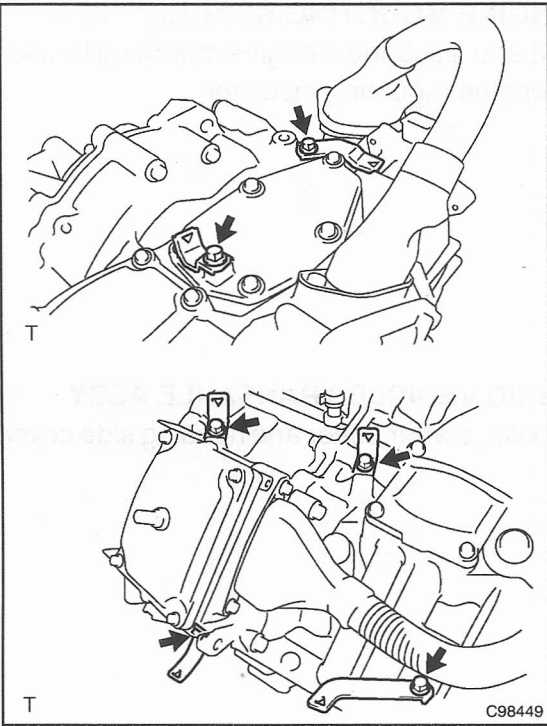
24. REMOVE INVERTER COOLING HOSE NO.6

- (a) Remove the clamp and inverter cooling hose No.6.

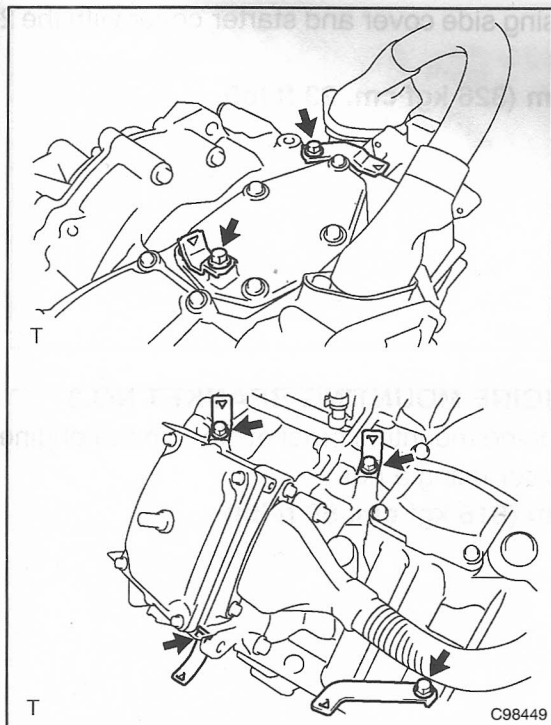


25. REMOVE ENGINE MOUNTING BRACKET NO.3

- (a) Remove the 3 bolts and engine mounting bracket No.3.



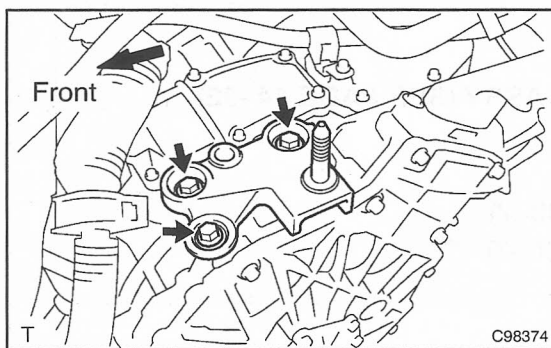
- (b) Remove the 6 bolts and stay shown in the illustration.



26. INSTALL ENGINE MOUNTING BRACKET NO.3

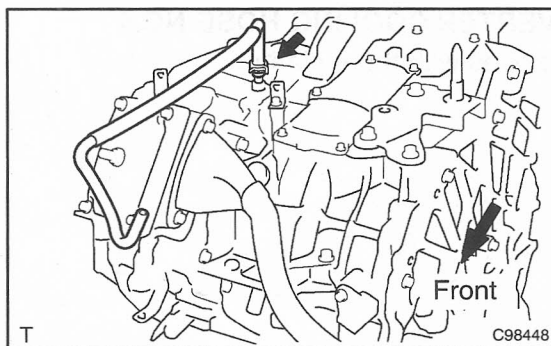
- (a) Install the stay in the position shown in the illustration using 6 bolts.

Torque: 9.0 N·m (92 kgf·cm, 80 in·lbf)



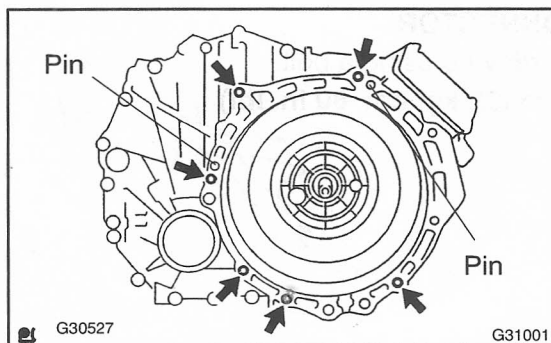
- (b) Install engine mounting bracket No.3 using 3 bolts.

Torque: 52 N·m (530 kgf·cm, 38 ft·lbf)



27. INSTALL INVERTER COOLING HOSE NO.6

- (a) Connect the inverter cooling hose No.6 and install the clamp.



28. INSTALL HYBRID VEHICLE TRANSAXLE ASSY

- (a) Install the hybrid vehicle transaxle assy with 6 bolts.

Torque: 33 N·m (337 kgf·cm, 24 ft·lbf)

NOTICE:

- Ensure that the knock pin is installed on the engine side.
- Tighten the 6 bolts in the positions shown in the illustration by placing the HV transaxle assy in a horizontal position and aligning the knock pin and its hole.