# DTC C2301 SHIFT CHANGING TIME MALFUNCTION

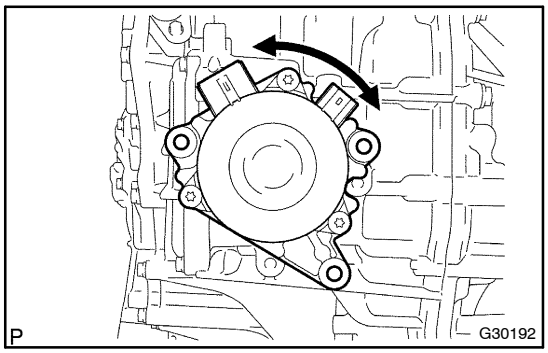
## CIRCUIT DESCRIPTION

The transmission control ECU receives a P position switch signal from the hybrid vehicle control ECU and then activates the shift control actuator. At the same time, the transmission control ECU detects length of time it takes for the parking lock mechanism to switch. The transmission control ECU outputs this DTC when this length of time is longer than specification.

| DTC No. | DTC detecting condition | Trouble area |
|---|---|---|
| C2301 | • Power switch on (IG).<br>• There is an internal abnormality in the shift control actuator assy for 2 sec. or more (the parking lock motor runs idle). | • Shift control actuator assy<br>• Transmission control ECU assy |

## INSPECTION PROCEDURE

| 1 | INSPECT SHIFT CONTROL ACTUATOR ASSY |
|---|---|




(a) Remove the 3 bolts and transmission case cover.
(b) Remove the 3 bolts.
(c) Slightly pull the shift control actuator assy from the hybrid vehicle transaxle so that the shift control actuator assy can be turned.
(d) Turn the shift control actuator assy.
**OK: The shift control actuator turns smoothly.**

HINT:
There may be an internal actuator abnormality if the actuator does not turn smoothly.

NG → **REPLACE SHIFT CONTROL ACTUATOR ASSY (SEE PAGE 22–6)**

OK →

**REPLACE TRANSMISSION CONTROL ECU ASSY**