SB-10053529-8724



Technical Service Bulletin

GROUP	NUMBER		
AUTOMATIC TRANSMISSION	13-AT-015 MODEL		
DATE			
AUGUST 2013	Genesis Sedan (BH), Genesis Coupe (BK) and Equus (VI)		

SUBJECT:

AUTOMATIC TRANSAXLE (8-SPEED)
INHIBITOR SWITCH DTC P0705, P0706

Description: An improperly adjusted or improperly operating inhibitor switch (range switch) may result in the following conditions. This bulletin provides the procedure to inspect and replace the inhibitor switch, if necessary.

- Malfunction Indicator Light (MIL) illuminated
- · Diagnostic trouble codes:
 - > P0705 Range switch sensor circuit
 - > P0706 Range switch range/performance
- No engine crank in "P" or "N"

Applicable	Model Year(s)	Model
Vehicles:	2012~	Genesis Sedan (BH), Equus (VI)
	2013~	Genesis Coupe (BK)

PARTS INFORMATION:

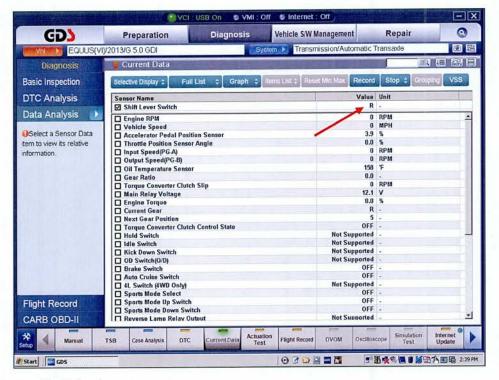
MODEL	PNC CODE	PART NUMBER		
2012~ Genesis Sedan (BH)		42700-4E000		
2012~ Equus (VI)	45956B	42700-4E000		
2013~ Genesis Coupe (BK)		42700-4E000		

WARRANTY INFORMATION:

MODEL	OP CODE	OPERATION	OP TIME	CAUSAL PART	NATURE CODE	CAUSE CODE
2012~ Genesis Sedan (BH)	42700R00	Replace inhibitor (range) switch	0.3	42700-4E000	N69	C15
2012~ Equus (VI)						
2013~ Genesis Coupe (BK)						
All	42700RQ0	GDS	0.3			

SERVICE PROCEDURE:

- Turn the ignition key to the ON position or push the Start/Stop Button two times without depressing the brake pedal.
- Using a GDS, check for DTC in the "Automatic Transaxle" menu. Record the DTC and description. Delete the DTC.
- 3. Select the following parameters. Move the shift lever through all gears and confirm the GDS shows P, R, N and D.
 - · Vehicle and A/T menu.
 - "Current Data"
 - Shift Lever Switch.



- 4. If the Shift Lever Switch shows:
 - The correct shift lever position (P, R, N and D), the wiring <u>currently</u> has no open/short circuits. Go to Step 6.
 - Does not show the correct shift lever position, go to Step 5.
- Visually check the wiring harness between the PCM and inhibitor switch for any damaged wires
 or open circuit/short circuit to ground. Check for any damaged pins or pin not fully inserted into
 the connector.
 - If damage exists, repair or replace the control wiring and drive the vehicle to confirm the repair.
 - If no damage or open/short circuit is found, go to Step 6.

TSB #: 13-AT-015 Page 2 of 4

SUBJECT: AUTOMATIC TRANSAXLE INHIBITOR SWITCH DTC P0705, P0706

6. Move the shift lever to the "N" position.

Turn the ignition switch to the OFF position.



- Raise the vehicle on a hoist.
 Remove the transmission splash shield.
- 8. Disconnect the nut (A) that secures the shift cable.

Disconnect the nut (B) that secures the manual control lever. Remove the lever.



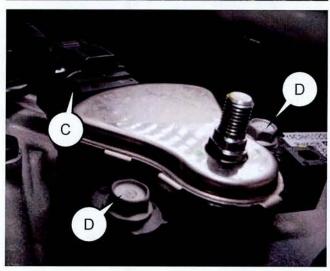
Disconnect the inhibitor switch connector (C).

Remove 2 mounting bolts (D) that secure the inhibitor switch and remove the switch.

Install a new inhibitor switch and reinstall the bolts (D).

Torque: 7~9 lb-ft (1.0~1.2kgf.m)

Reconnect the connector (C).

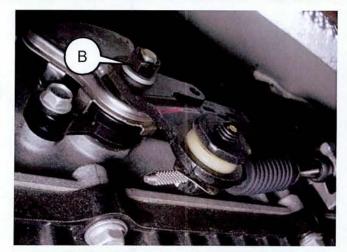


TSB #: 13-AT-015 Page 3 of 4

10. Insert the shift cable into the manual control lever.

Install the washer, manual control lever, lock washer and nut to the new inhibitor switch and tighten the nut (B).

Torque: 13~19 lb-ft (1.7~2.6 kgf.m)



11.

A CAUTION

Insert a 5mm bolt or 5mm screwdriver in the alignment hole before tightening the nut.

Install the shift cable nut (A) and tighten the nut to specification.

Torque: 13~19 lb-ft (1.7~2.6 kgf.m)

Remove the bolt or screwdriver from the alignment hole.

- 12. Reinstall the transmission splash shield.
- 13. Clear DTC in the BlueLink system per instructions of TSB 12-BE-005-2.
- 14. Clear any DTC and test drive the vehicle for two drive cycles (two key-on to key-off driving cycles). If the DTC:
 - Does not occur again, return the vehicle to the customer.
 - Occurs again, repair or replace the control wiring between the PCM and inhibitor switch.
 - If the DTC occur again, replace the PCM/TCM.

