

	GROUP <b>Transmission</b>	MODEL <b>2010-2012MY Sportage (SL), Sedona (VQ)</b>
	NUMBER <b>044</b>	DATE <b>November 2012</b>
<b>TECHNICAL SERVICE BULLETIN</b>		
SUBJECT: <b>6-SPEED AUTOMATIC TRANSAXLE INHIBITOR SWITCH BRACKET INSTALLATION</b>		

This bulletin provides information relating to some Sportage and Sedona vehicles, produced from April 01, 2009 to September 16, 2011, which may experience a no-start condition, uneven engagement when shifting gears and/or P0705 stored in the Power-train Control Module (PCM). To correct this concern, install the inhibitor switch bracket on the inhibitor switch by following the Service Procedure outlined below.

**DTC P0705:** Transmission Range Sensor Circuit Malfunction



*Inhibitor Switch Bracket Kit*

File Under: <Engine>

- 
- Circulate To:       General Manager       Service Manager       Parts Manager  
 Service Advisor(s)  Technician(s)       Body Shop Manager       Fleet Repair

**SUBJECT:**

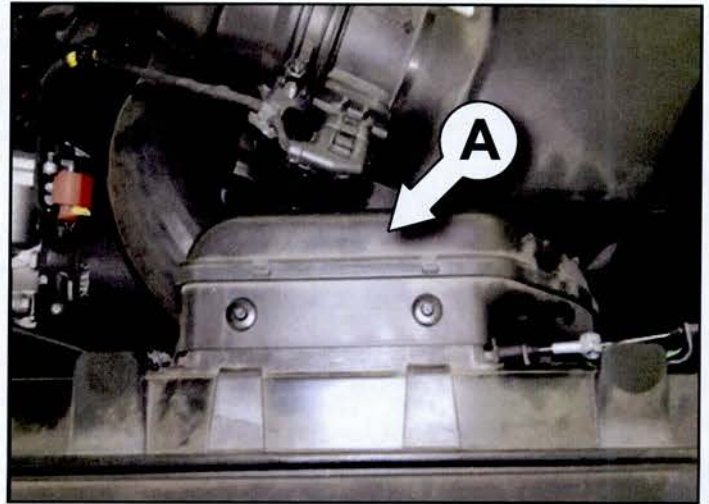
**6-SPEED AUTOMATIC TRANSAXLE INHIBITOR  
SWITCH BRACKET INSTALLATION**

**Service Procedure:**

1. Apply the parking brake.  
Set the shift lever to the "N" position.  
Turn the ignition switch to the OFF position.  
Remove the air duct (A).

**\*NOTICE**

Removal of the air box is not required on Sedona vehicles.



2. Disconnect the air intake hose (B).

**Tightening Torque:**

**26~43 in-lbs (2.9~4.9 Nm)**

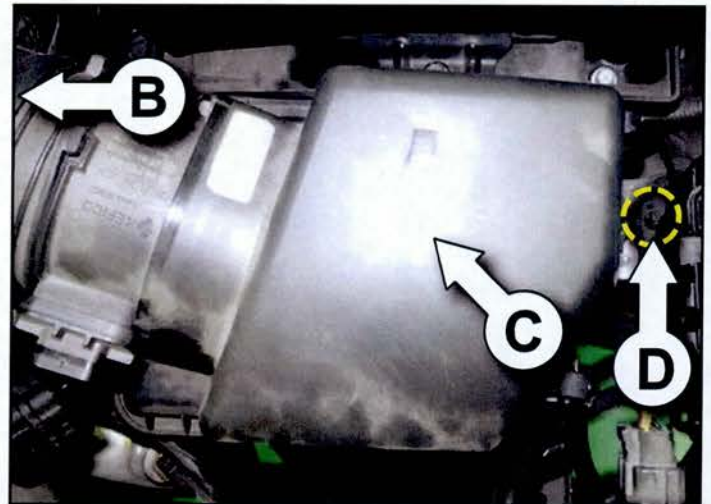
Remove the air cleaner assembly (C) by loosening mounting bolt (D).

**Tightening Torque:**

**70~86 in-lbs (7.8~9.8 Nm)**

**\*NOTICE**

Removal of the battery is not required on Sportage vehicles.



3. Record customer's radio stations before disconnecting battery.

Remove the battery assembly (E).

**Tightening Torque Specifications:**

**(-) terminal:**

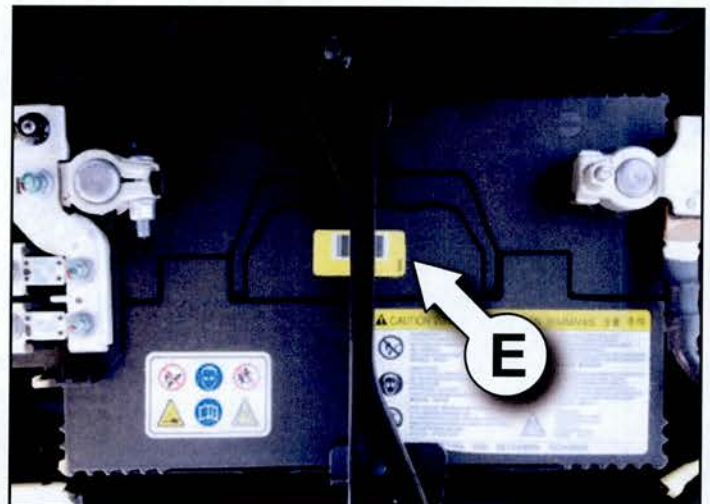
**4.0 ~ 6.0N.m (3.0 ~ 4.4lb-ft)**

**(+) terminal:**

**9.8 ~ 11.8N.m (7.2 ~ 8.7lb-ft)**

**Clamp nut:**

**9.8 ~ 11.8N.m (7.2 ~ 8.7lb-ft)**





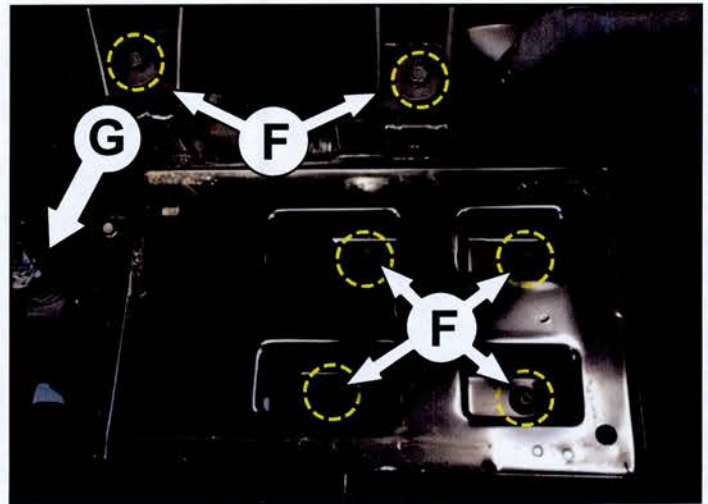
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4. Remove the battery tray by loosening mounting bolts (F).

**Tightening Torque: (E)**  
**9.8~11.8 Nm 7.2~8.7 lb-ft**

Disconnect connector (G) from the battery tray.

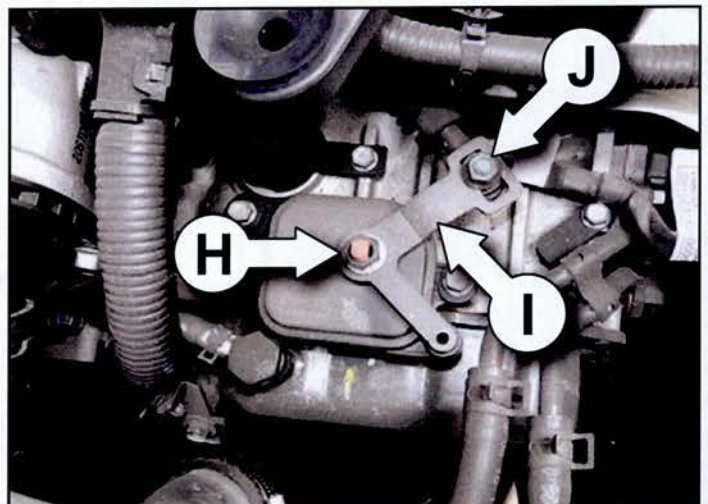


5. Remove the manual control lever mounting nut (H) and washer. Set the manual control lever (I) aside.

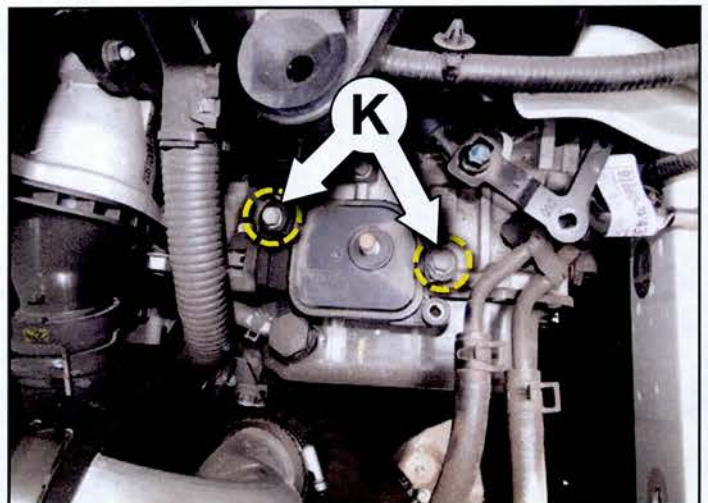
**DO NOT** loosen or remove the shift cable mounting nut (J) or adjustment may be required.

**CAUTION**

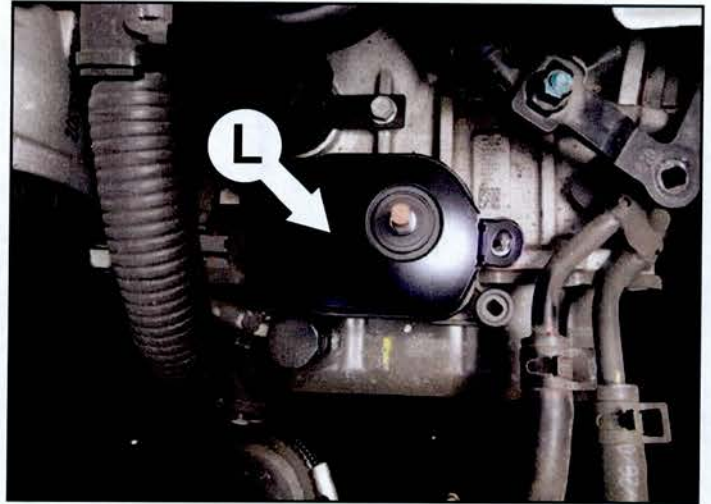
**Before removing nut and washer, make sure the shift gear selector is in the neutral position.**



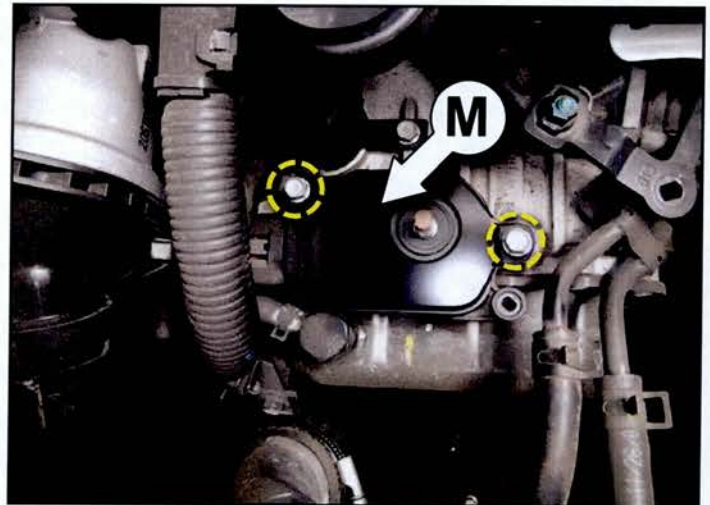
6. Remove two (2) inhibitor switch mounting bolts (K). Discard the bolts as they will not be re-used.



7. Install the new inhibitor switch bracket (L) to the inhibitor switch.



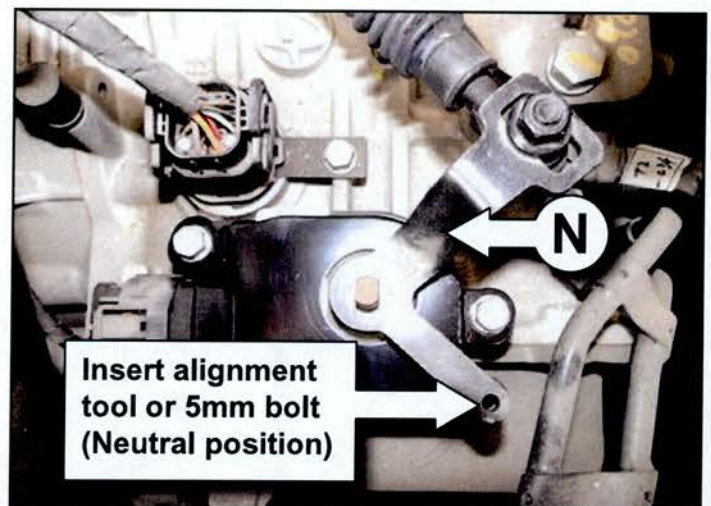
8. Install the new inhibitor switch bracket (M) to the inhibitor switch, install new retaining bolts but leave slightly loose for adjustment.



9. Re-install the removed manual control lever (N) to the inhibitor switch and tighten nut.

**CAUTION**

During installation, position the manual control lever in place with a 5mm bolt or suitable alignment tool, then tighten the inhibitor switch assembly mounting nut and washer.





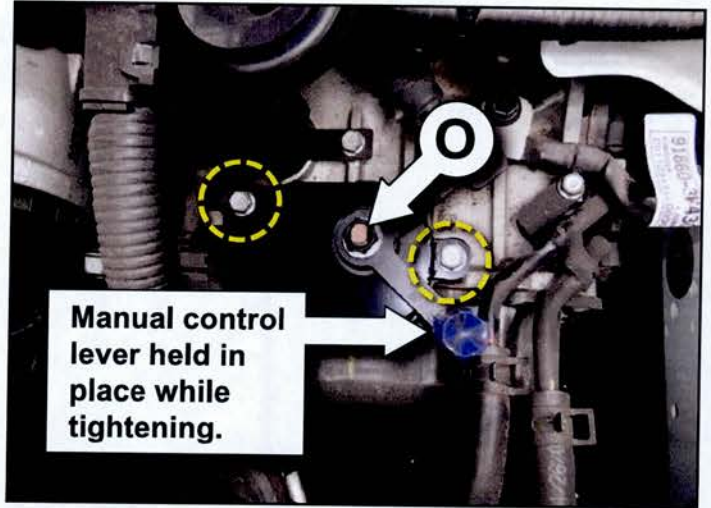
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10. Install the manual control lever washer and nut (O).

**Tightening Torque:**  
**13.0~18 ft-lbs (17.7~24.5 Nm)**

11. Tighten the two (2) inhibitor switch bracket bolts.

**Tightening Torque:**  
**86~104 in-lbs (9.8~11.8 Nm)**



12. Reinstall all the removed components in reverse order of removal.

Check if any DTCs (P0705) related to the inhibitor switch exists. Clear the DTC(s).


Make sure the vehicle is functioning properly.

13. Reprogram radio station presets as recorded in step 3.

**AFFECTED VEHICLE PRODUCTION RANGE:**

Model	Production Range
Sportage (SL), Sedona (VQ)	April 01, 2009 to September 16, 2011

**REQUIRED PART:**

Part Name	Part Number	Figure
Inhibitor Switch Bracket	42700 3B900FFF	

**REQUIRED SST:**

SST Name
5mm bolt or alignment tool to align lever to switch assembly.

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**6-SPEED AUTOMATIC TRANSAXLE INHIBITOR SWITCH BRACKET INSTALLATION**

**WARRANTY CLAIM INFORMATION:**

Claim Type	Causal P/N	Qty	N Code	C Code	Repair Description	Labor Op Code	Time	Replacement P/N	Qty
W	42700 3B000	0	N69	C15	(TRANS 044) A/T (6-spd) Inhibitor Switch Bracket Install Sedona (VQ)	42700F00	0.6 M/H	42700 3B900FFF	1
					(TRANS 044) A/T (6-spd) Inhibitor Switch Bracket Install Sportage (SL)		0.5 M/H		