 TSB-Local	Model	Sorento[XM]()
	Group	Automatic Transaxle System(52)
	TSB No.	KCE12-52-P150-XM;C21VA
Subject Sorento (XM) 6 speed automatic transaxle inhibitor switch bracket installation	Published	10/23/2012
	TSB Type	Customer Satisfaction(Complaint Base)
	Area & Distributor	U.K (C21VA)

1. Description

■ Symptom/Condition

Some Sorento (XM) vehicles might experience shock when shifting gear.

This symptom may be accompanied by DTC P0705.

* DTC P0705 : Transmission Range Sensor Circuit Malfunction

■ Countermeasure/Remedy

Install the inhibitor switch bracket to the inhibitor switch following the Service Procedure below.

2. Applicable Vehicles

■ **Model:** Sorento (XM) with 6 Speed A/T

■ **Applicable vehicle production date range:** From Apr. 20, 2009 to Feb. 28, 2011

■ **Applicable VIN range:** See attached UK VIN list file

■ **Area:** All Except North America

3. Parts Information

■ PARTS REQUIRED

PART NAME	PART NUMBER	REMARKS
Inhibitor switch bracket		
	427003B900QQK	


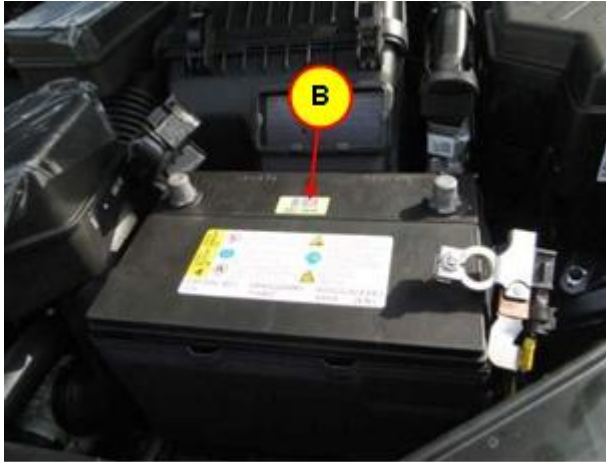

4. Operation Code And Time

OP CODE	OP NAME	OP TIME	NATURE	CAUSE
120057R0	6 Speed Automatic Transaxle Inhibitor Switch Bracket Installation	0.6 M/H	N69	C15

5. Service Procedure

NOTE

Before conducting the procedure, verify that the vehicle is in the affected range by VIN and production date period.

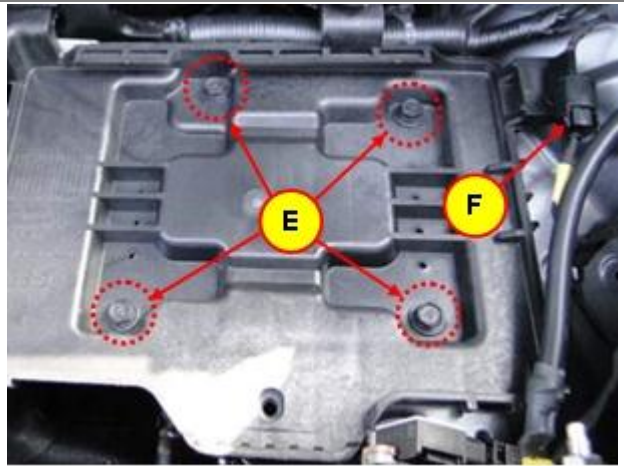
<ol style="list-style-type: none"> Place the shift lever to the "N" position. Turn the ignition switch to the OFF position. Remove the air duct (A). 	
<ol style="list-style-type: none"> Remove the battery assembly (B). <p>Tightening Torque (Battery mounting bolt) : 9.8~11.8 Nm(1.0~1.2kgf.m, 7.2~8.7lb-ft)</p>	
<ol style="list-style-type: none"> Remove the air intake hose (C) and the air cleaner assembly (D). <p>Tightening Torque</p> <ul style="list-style-type: none"> - Hose clamp bolt 2.9~4.9Nm (0.3~0.5kgf.m, 2.2~3.6lb-ft) - Air cleaner assembly bolt 7.8~9.8Nm (0.8~1.0kgf.m, 5.8~7.2lb-ft) 	

6. Remove the battery tray by loosening mounting bolts (E).

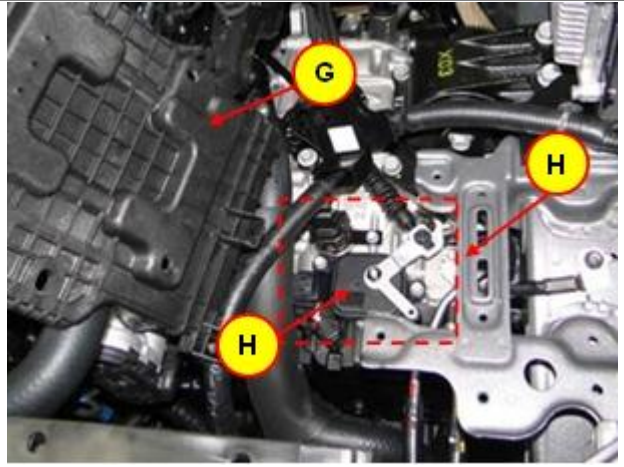
Tightening Torque: (E)

9.8~11.8Nm (1.0~1.2kgf.m, 7.2~8.7 lb-ft)

7. Disconnect the connector (F) from the battery tray.



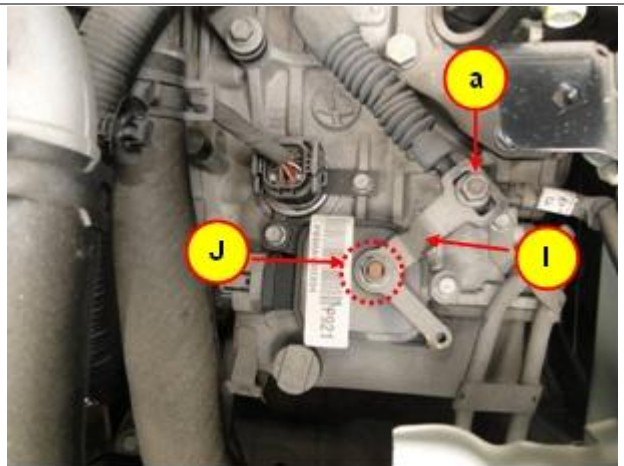
8. Put the battery tray (G) aside to gain access to the inhibitor switch (H).



9. Remove the manual control lever mounting nut (J) and washer. Set the manual control lever (I) aside by partially loosening the shift cable mounting nut (a).

CAUTION

When removing a nut and washer, the shift gear should be in neutral position.



10. Remove 2 inhibitor switch mounting bolts (K).



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



12. Install the new 2 inhibitor switch bracket bolts (K).

Tightening Torque :

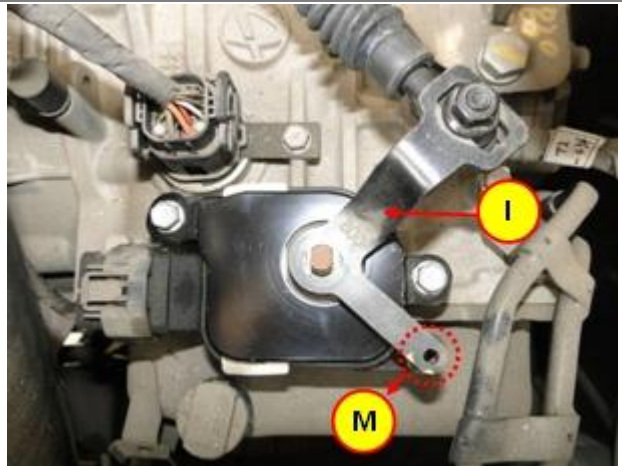
9.8~11.8Nm (1.0~1.2kgf.m, 7.2~8.7lb-ft)



13. Install the removed manual control lever (I) to the inhibitor switch.

CAUTION

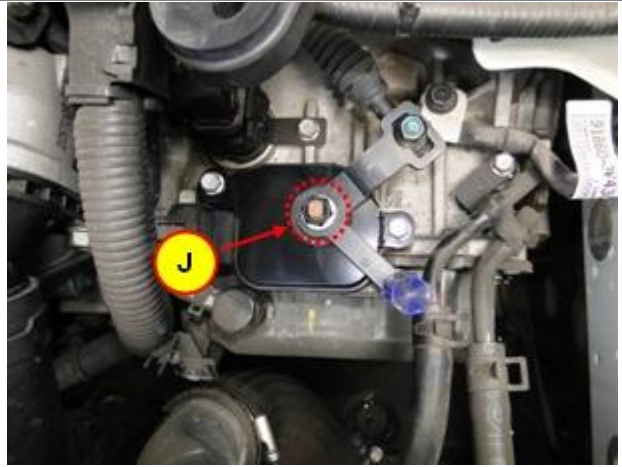
When installing, fix the removed manual control lever and the new inhibitor switch with Ø5 fixing jig (M). And then tighten the inhibitor assembly mounting nut and washer.



14. Install the manual control lever nut (J) and the washer and then remove the Ø5 fixing jig (M).

Tightening Torque :

17.7~24.5Nm (1.8~2.5kgf.m, 13.0~18.0lb-ft)



15. Re-install all the removed parts in reverse order of removal.

16. Check if any DTC (P0705) related to the inhibitor switch exists, and clear the DTC.