 <h1 style="text-align: center;">TSB-Local</h1>	<b>Model</b>	Carnival/Sedona [VQ](), ( )
	<b>Group</b>	Automatic Transaxle System(52)
	<b>TSB No.</b>	KCE12-52-P170-VQ;C21VA
<b>Subject</b> <h2 style="text-align: center;">Sedona (VQ) 6 speed automatic transaxle inhibitor switch bracket installation</h2>	<b>Published</b>	10/23/2012
	<b>TSB Type</b>	Customer Satisfaction(Complaint Base)
	<b>Area &amp; Distributor</b>	U.K (C21VA)

## 1. Description

### ■ Symptom/Condition

Some Sedona (VQ) 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:** Sedona (VQ) with 6 Speed A/T
- **Applicable vehicle production date range:** From April 16, 2009 to Feb.25, 2011
- **Applicable VIN range:** See attached UK VIN list file
- **Area:** General

## 3. Parts Information

### ■ PARTS REQUIRED

Part Name	Part No.	Remark
Inhibitor Switch bracket		
	427003B900QQK	

## 4. Operation Code And Time

OP Code	OP Name	OP Time	Nature	Cause
120058R0	6 Speed Automatic Transaxle Inhibitor Switch Bracket Installation	0.6 M/H	N 69	C15

## 5. Service Procedure

### NOTE

*Before conducting the procedure, verify that the vehicle is including in the affected list of VINs file.  
For further information, refer to the applicable Work Shop Manual.*

1. Place the shift lever to the "N" position.
2. Turn the ignition switch to the OFF position.
3. Disconnect the both battery terminals (A)

#### Tightening Torque:

**7.8-9.8 Nm(0.8~1.0 kgf.m,5.8~7.2 lb-ft)**



4. Remove the battery assembly (B).

- 1) Unfasten the battery mounting nuts and remove the battery clamp.

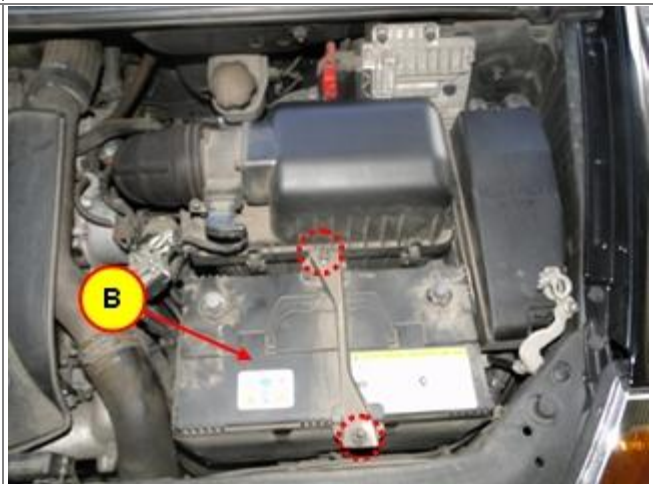
#### Tightening Torque:

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

- 2) Remove the battery assembly (B).

#### Caution

*When installing the battery tray, fix the mounting bracket on the tray correctly.*




5. Remove the battery tray assembly (C) by loosening mounting bolts and one of an air cleaner mounting bolt.


#### Tightening Torque: Battery tray

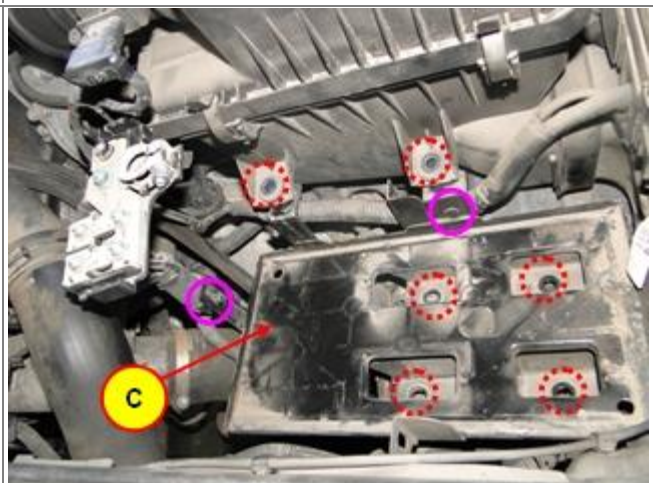
**9.8 ~ 11.8 N.m (1.0 ~ 1.2 kgf.m, 7.2 ~ 8.7 lb-ft)**

#### Tightening Torque: Air cleaner

**7.8-9.8 Nm(0.8~1.0 kgf.m,5.8~7.2 lb-ft)**

 : Air Cleaner and Battery Tray Mounting Bolts

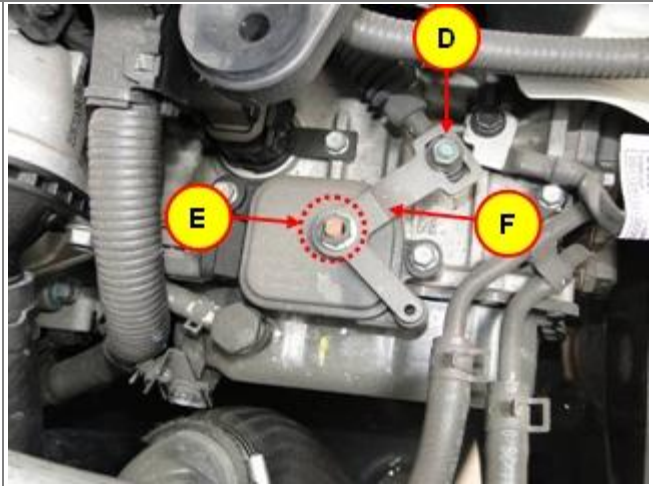
 : Wiring Band Clip



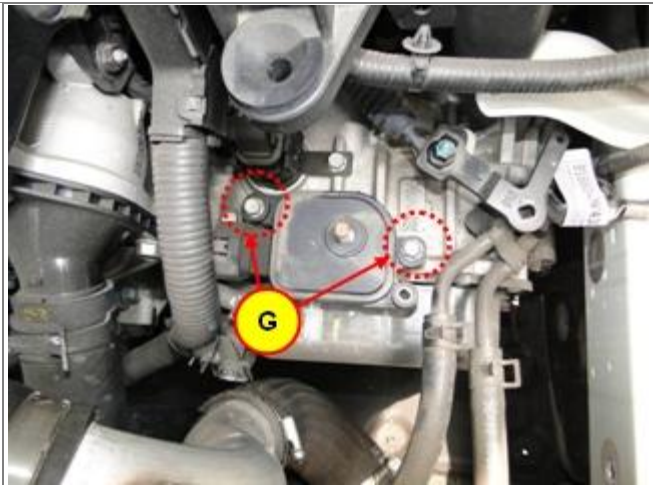
6. Remove the manual control lever mounting nut (E) and washer. Set the manual control lever (F) aside by partially loosening the shift cable mounting nut (D).

**CAUTION**

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



7. Remove 2 inhibitor switch mounting bolts (G).



8. Install the new inhibitor switch bracket (H) to the inhibitor switch.



9. Install the new 2 inhibitor switch bracket bolts (G).

**Tightening Torque :**

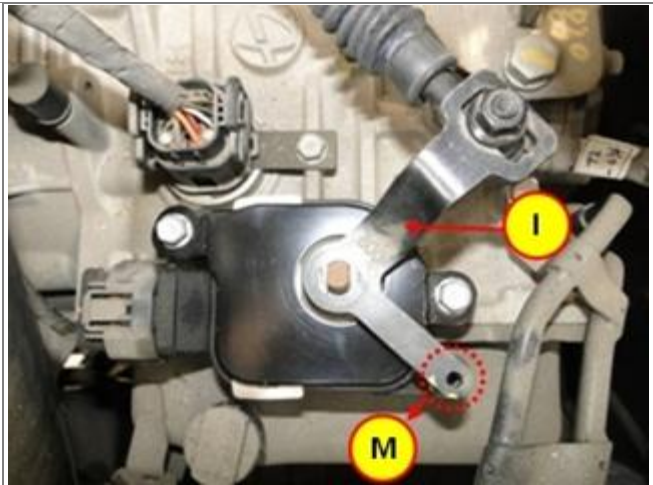
**9.8~11.8Nm (1.0~1.2kgf.m, 7.2~8.7lb-ft)**



10. 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  $\varnothing 5$  fixing jig (M). And then tighten the inhibitor assembly mounting nut and washer.*



11. Install the manual control lever nut (E) and the washer.

**Tightening Torque :**

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



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

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