


HYUNDAI

 NEW THINKING.
NEW POSSIBILITIES.

Technical Service Bulletin

GROUP	NUMBER
CAMPAIGN	12-01-021
DATE	MODEL
AUGUST 2012	TUCSON(LM) SONATA (YF)

**SUBJECT: AUTOMATIC TRANSAXLE INHIBITOR SWITCH BRACKET INSTALLATION
(SERVICE CAMPAIGN TL2)**

* IMPORTANT

*****SERVICE CAMPAIGN ONLY*****

Dealers must perform this Service Campaign on all affected vehicles whenever an affected vehicle is in the shop for any maintenance or repair.

When a vehicle arrives at the Service Department, access Hyundai Motor America's "Warranty Vehicle Information" screen via WEBDCS to identify open Campaigns.

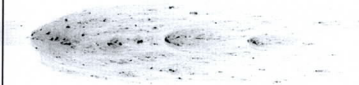

Description: Some Tucson (LM) and Sonata (YF) vehicles may experience a mild shock when shifting into Drive or Reverse. The condition may be accompanied by DTC P0705, Transmission range sensor circuit. This bulletin describes the procedure to install the Inhibitor Switch Bracket.

NOTE: No other vehicle performance issues are associated with this condition.

Applicable Vehicles: Tucson (LM) and Sonata (YF) with automatic transaxle – excludes HEV Sonata
Applicable Production Date Range:

- Tucson (LM): From March 12, 2010 through January 12, 2011
- Sonata (YF): From December 15, 2009 through August 31, 2010

PARTS INFORMATION:

PART NAME	PART NUMBER	DESCRIPTION
Inhibitor Switch Bracket and bolts 	42700-3B900-QQH	

WARRANTY INFORMATION:

MODEL	OP CODE	OPERATION	OP TIME
Tucson (LM)	20C034R0	Install Inhibitor Switch Bracket	0.5
Sonata (YF)	20C034R1		

★ NOTE

Verify that the vehicle is in the affected production date range and has an open Service Campaign.

SERVICE PROCEDURE:

1. **SONATA (YF) ONLY:**

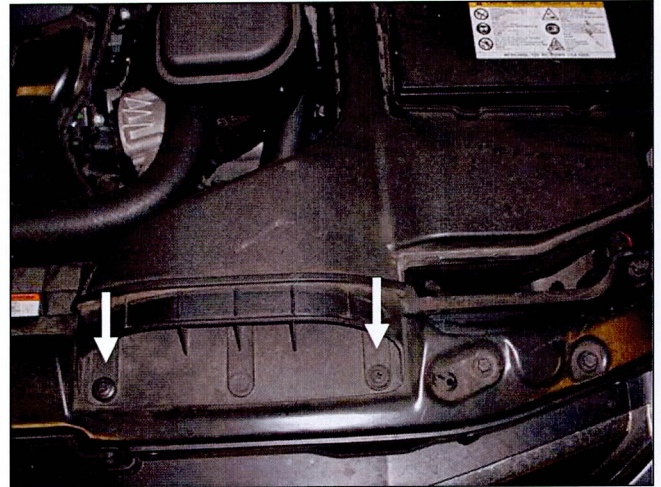
Set the parking brake and move the shift lever to the "N" position.

Turn the ignition switch to the OFF position.

Remove 2 screws and remove the air duct.

★ NOTE

It is not necessary to remove the air cleaner.



2. **SONATA (YF) ONLY:**

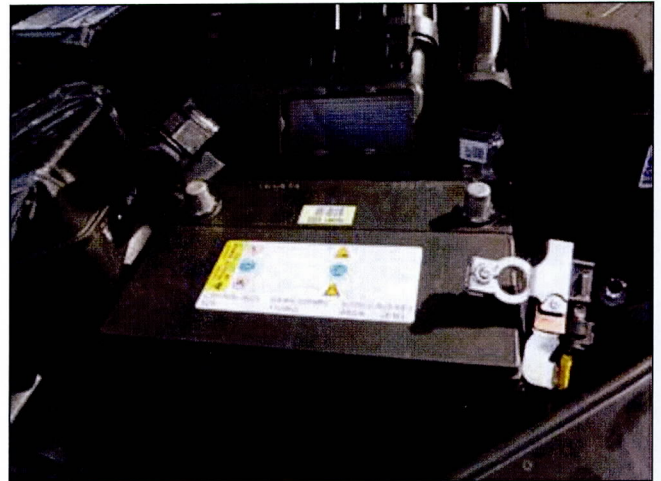
Remove the battery mounting bolt and support.

★ NOTE

Record the radio preset stations and input after repairs are completed.

Remove the battery cables.

Remove the battery.

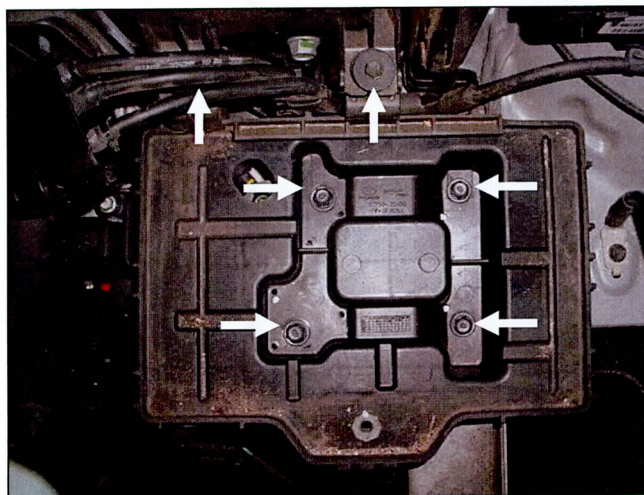


3. **SONATA (YF) ONLY:**

Remove 2 bolts to the air cleaner.

Remove 4 bolts to the battery tray and move the battery tray aside to gain access to the inhibitor switch.

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



4. **TUCSON (LM) ONLY:**

Set the parking brake and move the shift lever to the "N" position.

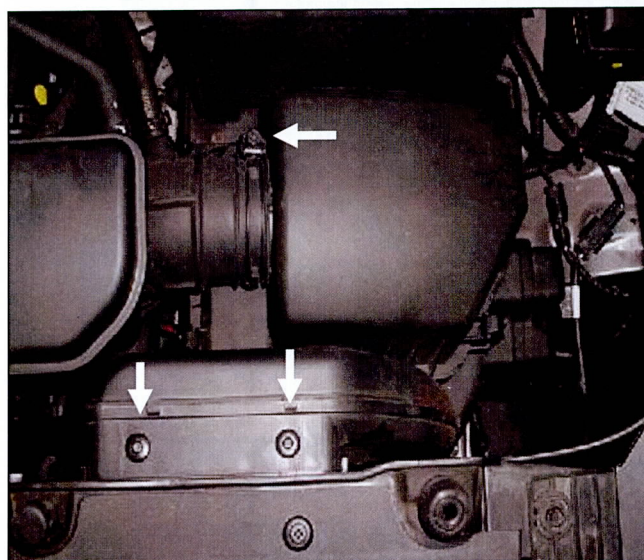
Turn the ignition switch to the OFF position.

Remove 2 screws and remove the air duct.

Loosen the hose clamp to the air cleaner and remove the air cleaner top.

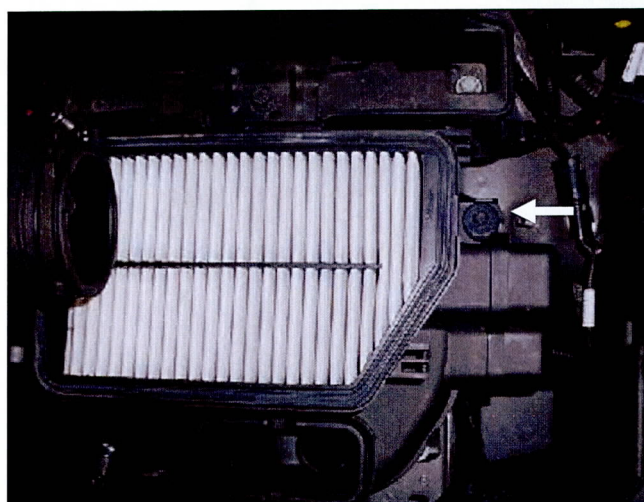
*** NOTE**

It is not necessary to remove the battery.



5. **TUCSON (LM) ONLY:**

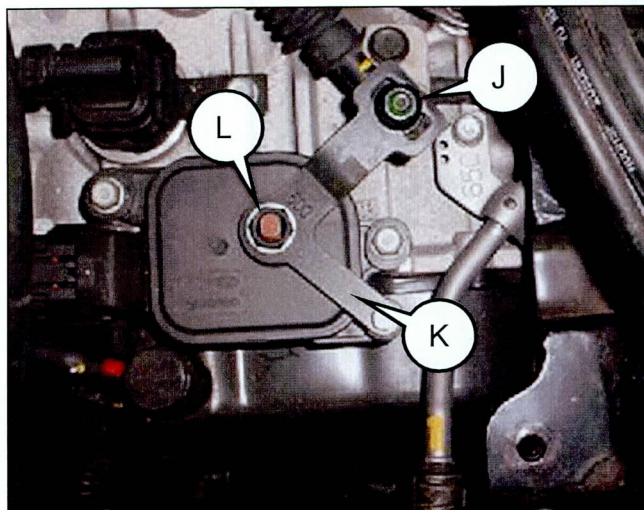
Remove the air cleaner mounting bolt and remove the air cleaner.



6. **TUCSON (LM) AND SONATA (YF):**

Loosen the shift cable mounting nut (J).

Remove the nut (L) and washer and remove the manual control lever (K). Move the lever aside.

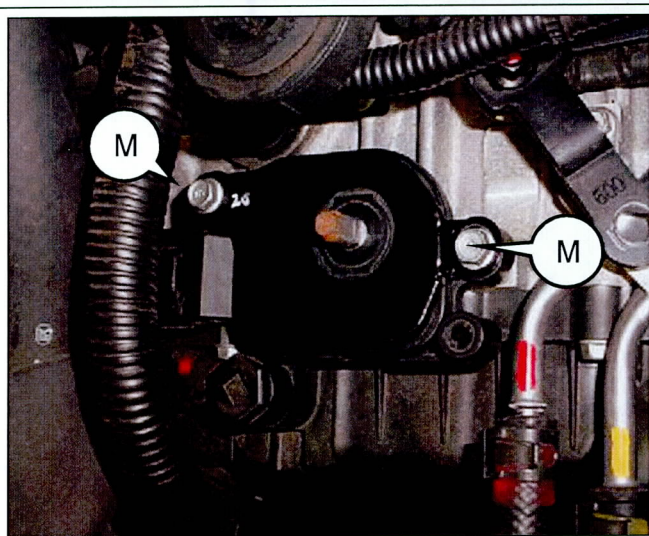


7. **TUCSON (LM) AND SONATA (YF):**

Remove 2 mounting bolts (M).

Use the new bolts to install the inhibitor switch bracket to the inhibitor switch.

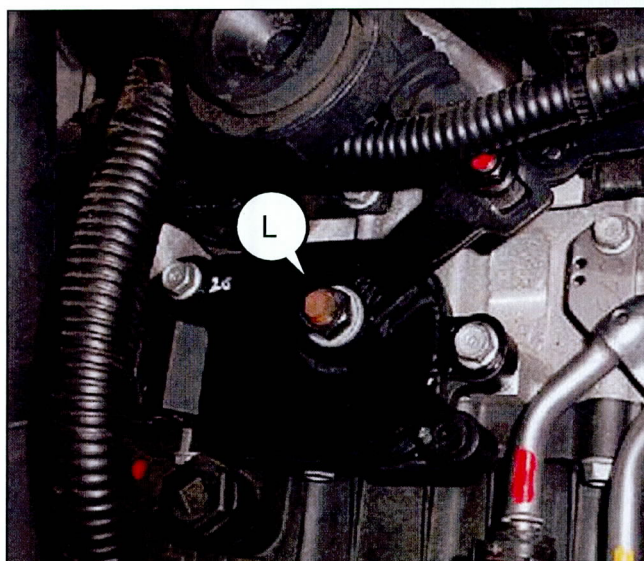
Torque: 7~9 lb-ft (1.0~1.2kgf.m)



8. **TUCSON (LM) AND SONATA (YF):**

Install the manual control lever, washer and nut (L) and tighten the nut.

Torque: 13~18 lb-ft (1.8~2.5kgf.m)



9. TUCSON (LM) AND SONATA (YF):

*** NOTE**

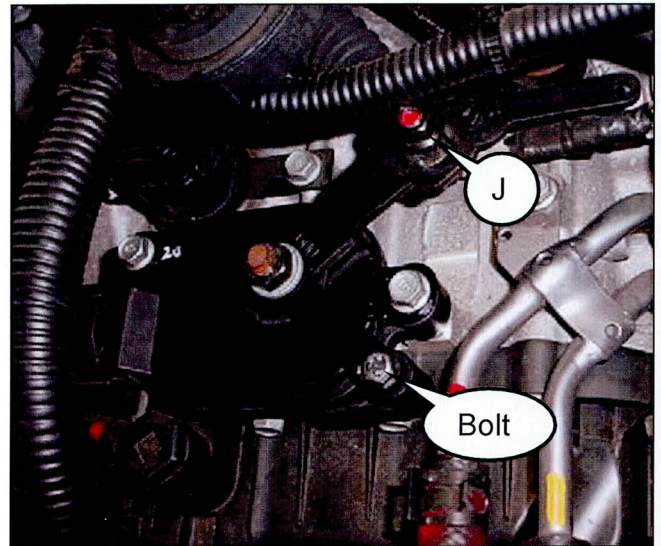
Insert a 5mm bolt or screwdriver in the alignment hole.

Loosen the shift cable mounting nut (J).

With the shift lever in Neutral, tighten the mounting nut (J).

Torque: 6~9 lb-ft (0.8 ~ 1.2 kgf.m)

Remove the bolt from the alignment hole.



10. Reinstall all the removed parts in reverse order of removal.

Check for DTC in the A/T menu and clear any DTC.

Confirm the engine starts in "P" and "N".

Drive the vehicle and confirm the shift lever, shift indicator lights, and the vehicle operate properly.