 <b>HYUNDAI</b> <b>Technical Service Bulletin</b>	GROUP <b>CAMPAIGN</b>	NUMBER <b>17-01-064</b>
	DATE <b>NOVEMBER, 2017</b>	MODEL <b>SANTA FE SPORT (AN) SONATA (LFA)</b>
<b>SUBJECT:</b>	<b>INHIBITOR SWITCH REPLACEMENT (SERVICE CAMPAIGN T2M)</b>	


<b>* IMPORTANT</b>	<b>*** Dealer Stock and Retail Vehicles ***</b>
<p>Dealers must perform this Service Campaign on all affected vehicles prior to customer retail delivery and whenever an affected vehicle is in the shop for any maintenance or repair.</p> <p>When a vehicle arrives at the Service Department, access Hyundai Motor America's "Warranty Vehicle Information" screen via WEBDCS to identify open Campaigns.</p>	

**Description:** This bulletin describes the service procedure to replace the inhibitor switch. A possible symptom is Diagnostic Trouble Code P0705 (Transmission Range Sensor Circuit).

**Applicable Vehicles:**

2017~18	Santa Fe Sport (AN)
2017	Sonata (LFA)

**PARTS INFORMATION:**

MODEL	PART NUMBER	DESCRIPTION	PHOTO
Santa Fe Sport (AN) Sonata (LFA)	427003B700QQH	Inhibitor Switch	

**WARRANTY INFORMATION:**

MODEL	OP CODE	OPERATION	OP TIME	CAUSAL PART	NATURE CODE	CAUSE CODE
Sonata (LFA)	70C097R2	Replace Inhibitor Switch	0.4	42700- 3B700	I3A	ZZ3
Santa Fe Sport (AN) (5NM)*	70C097R3					
Santa Fe Sport (AN) (5XY)*	70C097R4					

**NOTE 1:** \* = 1<sup>ST</sup> three digits of VIN

**NOTE 2:** Submit claim on Campaign Claim Entry Screen.

**NOTE 3:** If a part is found in need of replacement while performing this TSB and the affected part is still under warranty, please submit a separate claim using the same Repair Order.

**SERVICE PROCEDURE:**

1. Apply the parking brake.  
Turn the ignition to the **ON** position and move the shift lever to the **N** position.  
Turn the ignition switch to the **OFF** position.



2. Open the hood and remove the plastic tabs and remove the air duct.



3. Remove the negative and positive battery cables.  
Remove the battery hold down bolt and remove the battery.  
**Torque: 7~9 lb-ft (1.0~1.2 kgf.m, 10~12 N.m)**



**NOTICE**

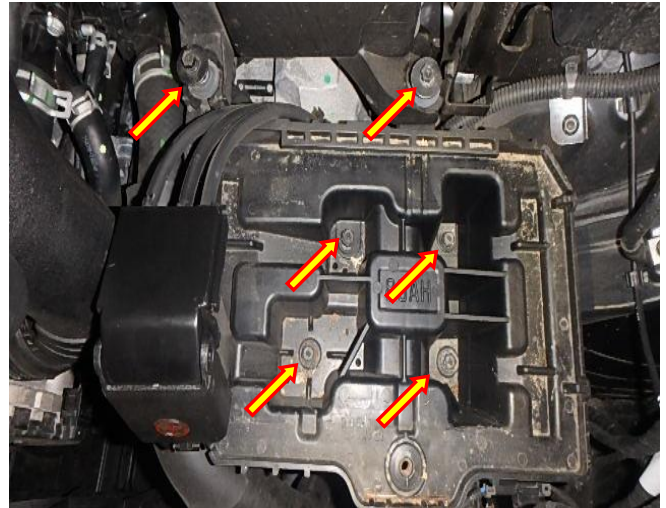
Record the preset radio stations and reset after repairs are completed.

4. Remove 2 bolts to the air cleaner and remove the air cleaner.

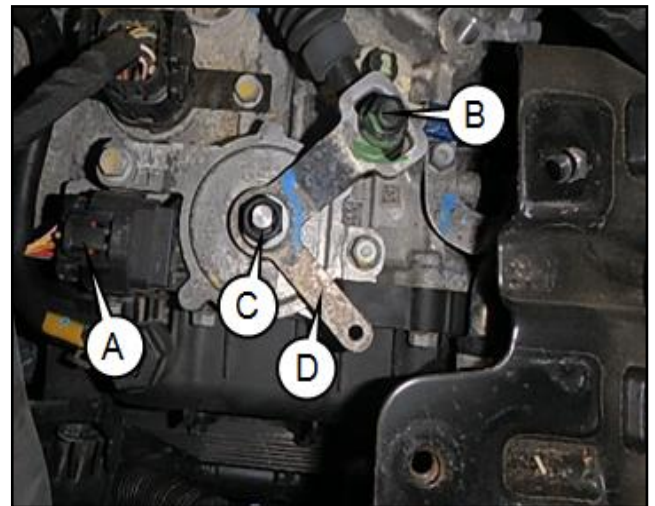
Remove 4 bolts to the battery tray and remove the battery tray.

**Torque: 7~9 lb-ft (1.0~1.2 kgf.m, 10~12 N.m)**

Move the battery tray aside to gain access to the inhibitor switch.



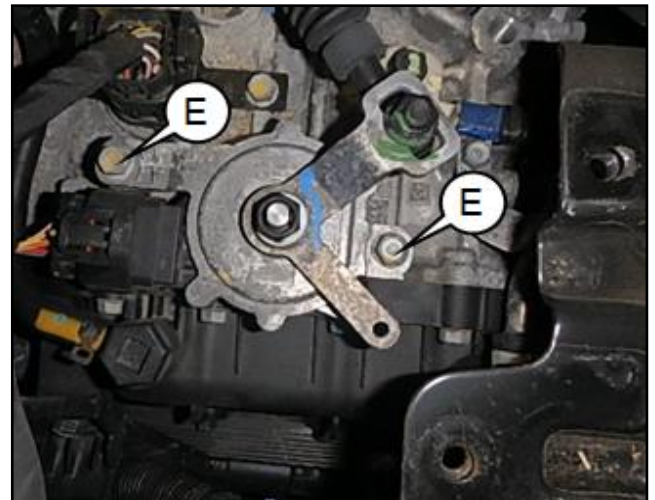
5. Disconnect the inhibitor switch connector (A)  
Remove the shift cable mounting nut (B).  
Remove the nut (C) and washer and remove the manual control lever (D).



6. Remove 2 mounting bolts (E) and remove the inhibitor switch assembly.

Install the new inhibitor switch assembly to the transaxle and tighten the mounting bolts.

**Torque: 7~9 lb-ft (1.0~1.2 kgf.m, 10~12 N.m)**

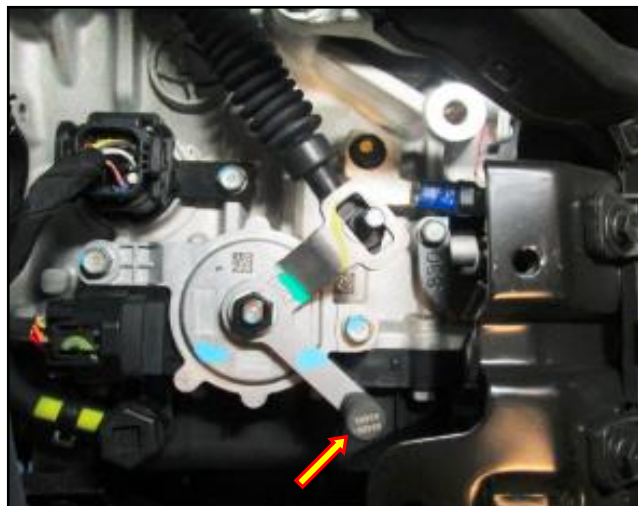
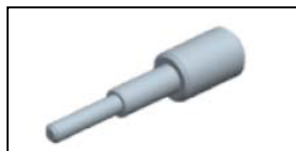


7. Install the manual control lever, washer and nut to the new inhibitor switch and tighten the nut.

**Torque: 13~18 lb-ft (1.8~2.5 kgf.m/18~24 N.m)**

Insert the **09480-A3800** guide pin or **5mm** bolt in the alignment hole before tightening the nut.

**SST 09480-A3800**, Inhibitor Switch Guide Pin.

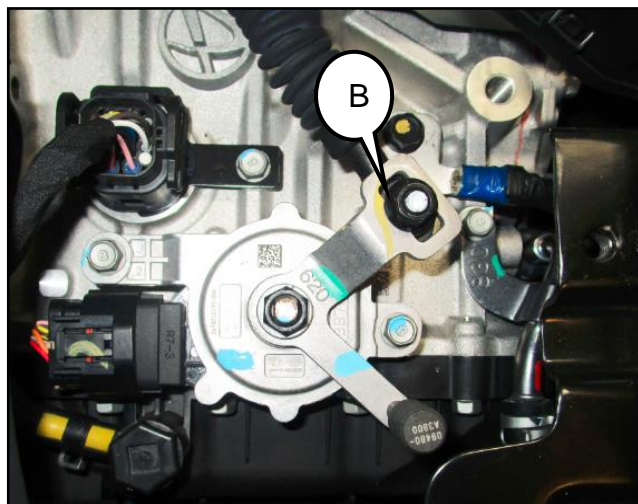


8. Confirm the shift lever is in the **N** position.

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

**Torque: 6~9 lb-ft (0.8 ~ 1.2 kgf.m, 8~12 N.m)**

Remove the SST or 5mm bolt from the alignment hole.



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

**NOTICE**

**Reset the preset radio stations.**

10. Attach a GDS and clear any DTC.

Clear any DTC in the BlueLink system per the instructions in TSB 12-BE-005-2.

Move the shift lever through P, R, N and D and confirm the indicator lights on the shift lever and cluster illuminate.

Drive the vehicle to confirm the transmission shifts correctly.