



HYUNDAI

Technical Service Bulletin

GROUP AUTOMATIC TRANSMISSION	NUMBER 19-AT-009H
DATE APRIL 2019	MODEL SANTA FE (NC)

SUBJECT: SANTA FE (NC) HARSH 1-2 SHIFT WHEN COLD

Description: This bulletin provides a procedure to improve the 1-2 shift quality when the transmission fluid is cold.

Applicable Vehicles: 2015~16 Santa Fe (NC)

Parts Information:

Refer to the PNC in the parts catalog to order the correct solenoid part number.

Model	Part	PNC	Part Number
2015~16 Santa Fe	Shift solenoid B (26-B)	46313C	46313-3B770
	Valve body cover gasket	45282E	45283-3B010

Warranty Information:

Model	OP Code	Operation	OP Time	Causal Part	Nature Code	Cause Code
2015~16 Santa Fe (NC)	45775R00	Replace solenoid valve	Refer to WEBLTS for current LTS	Refer to part number in table above	T74	ZZ3
	45775RQ0	GDS Operation				

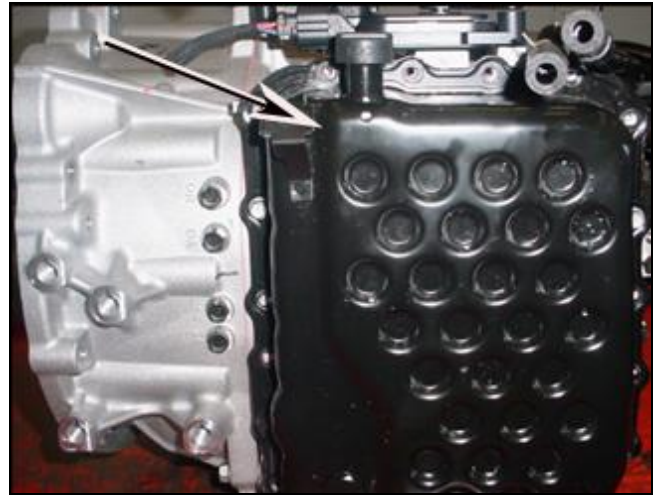
Service Procedure:

- Using a GDS, check for DTC in the **A/T menu**.
 - If so, refer to the Santa Fe Shop Manual or appropriate TSB and follow the repair procedure for the DTC.
 - If no DTC, go to Step 2.
- Record the preset radio stations.
Remove the battery and battery tray.
- Remove the undercover below the transmission.
- Drain the radiator and remove the lower radiator hose from the radiator, if necessary.
Drain the ATF.

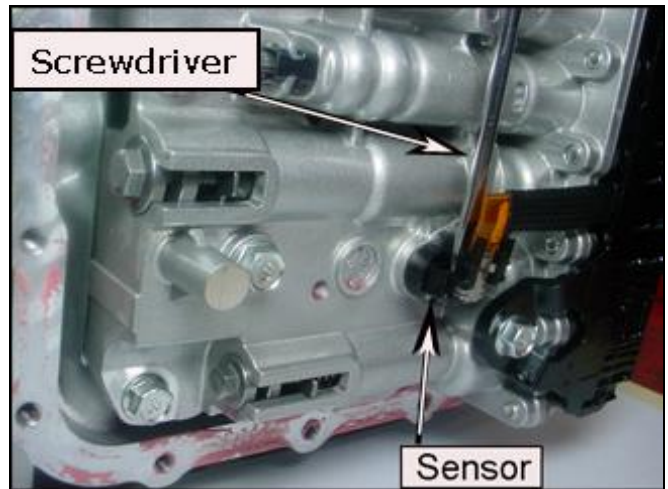
- Remove the oil pan bolts and remove the pan.

**CAUTION**

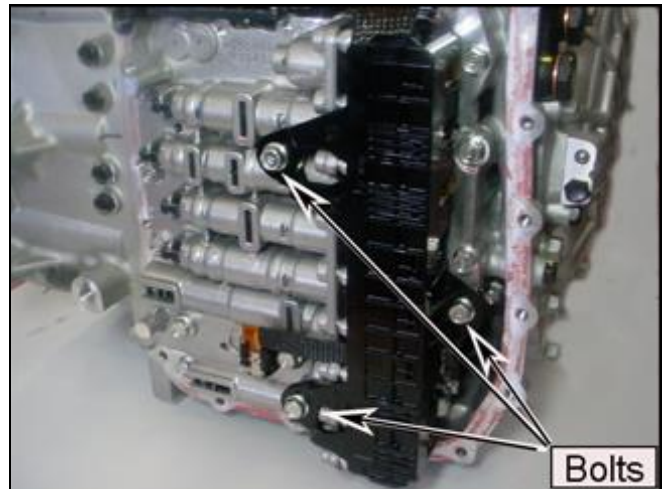
Use rubber hammer to tap the oil pan cover on a corner until the cover is loose.



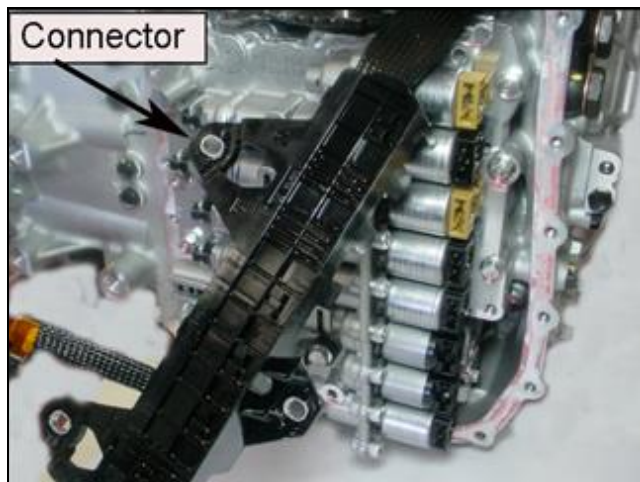
- Remove the bolt that secures the temperature sensor.



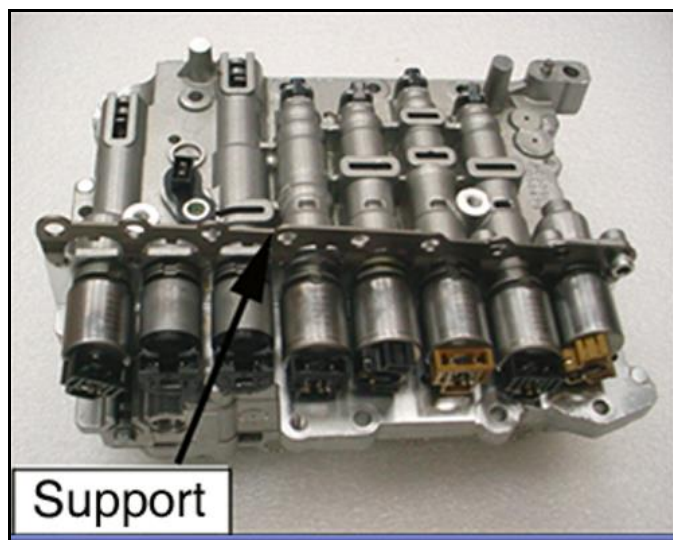
- Remove three bolts to the solenoid valve connector.



8. Pull the solenoid connector outward and move the connector out of position.

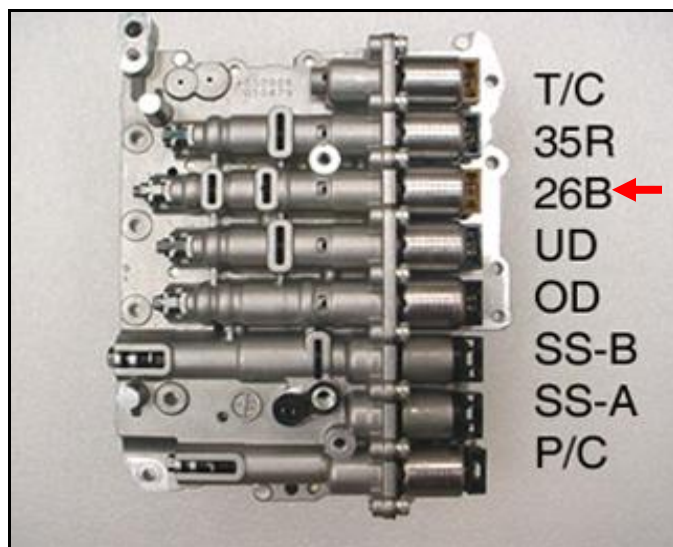


9. Use a 5mm hex socket and remove 9 Allen bolts that secure the solenoid support. Remove the solenoid support.



10. Remove the 26B solenoid and install a new solenoid.

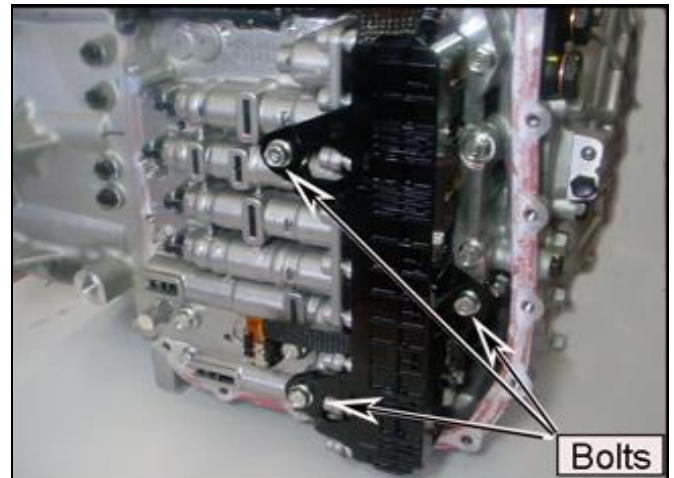
Reinstall the solenoid support and 9 Allen bolts.



11. Reconnect the solenoid harness to the solenoids and oil temperature sensor.

Install the bolts to the solenoid harness connector and torque to specification.

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



12. Install a new gasket to the valve body cover, reinstall the cover and tighten the valve cover bolts to specification.

Torque: 6~7 lb.ft (0.9~1.0 kgf.m/8~9 N.m)



13. Add ethylene glycol engine coolant to the radiator and check the level according to the appropriate shop manual, "Engine" Section.
14. Reconnect the battery.
Input the radio stations recorded in Step 2.

15. Remove the transaxle fill plug.

Use a funnel to add approximately 5~6 quarts of SP-IV ATF through the fill plug opening. Reinstall the fill plug.

Attach the GDS to the DLC and select **Vehicle, A/T menu, Current Data** and **Oil Temperature Sensor**.

Start the engine and shift to Park. When the ATF is 122°F~140°F (50~60°C), remove the level checking plug. The level is correct when oil flows out of the level checking plug in a thin steady stream.

Collect and dispose of any excess fluid in accordance with local regulations.

16. Accelerate the vehicle at about 25~35% accelerator pedal (APS) from a stop when cold. If the harsh 1-2 shift returns, replace the transmission.
17. Clear any DTC in the Blue Link system per instructions of TSB 12-BE-005-2.
18. Drive the vehicle to confirm the transmission is operating as designed.

