

 HYUNDAI Technical Service Bulletin	GROUP AUTOMATIC TRANSMISSION	NUMBER 18-AT-001
	DATE FEBRUARY, 2018	MODEL ELANTRA (AD/ADa) 2.0L, SANTA FE SPORT (AN) 2.4L
SUBJECT: AUTOMATIC TRANSAXLE SHIFT LEVER DIFFICULT TO MOVE		

Description: If you are servicing an applicable vehicle with a shift lever that is difficult to move, follow the Service Procedure in this bulletin.

Applicable Vehicles: 2017~ Elantra Sedan (AD/ADa) 2.0L
2017~ Santa Fe Sport (AN) 2.4L

Parts Information:

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

MODEL	DTC PART	PNC	PART NUMBER
2017~ Elantra Sedan (AD/ADa) 2.0L	Manual valve	46267	46267-2F00*
2017~ Santa Fe Sport (AN) 2.4L	Valve body	46210	46210-*****

Warranty Information:

MODEL	OP CODE	OPERATION	OP TIME	CAUSAL PART	NATURE CODE	CAUSE CODE
2017~ Elantra 2.0L (AD/ADa) 2017~ Santa Fe Sport 2.4L (AN)	45600R00	Valve Body Assy.	Refer to WEBLTS for current LTS time	46210-*****	T25	ZZ2

Service Procedure:

- Disconnect the shift cable at the inhibitor switch.
 - If the shift lever is difficult to move, check and replace the shift lever, if necessary.
 - If the shift lever shifts smoothly, rotate the manual control lever on the inhibitor switch. If the manual control lever is difficult to rotate, go to Step 2.

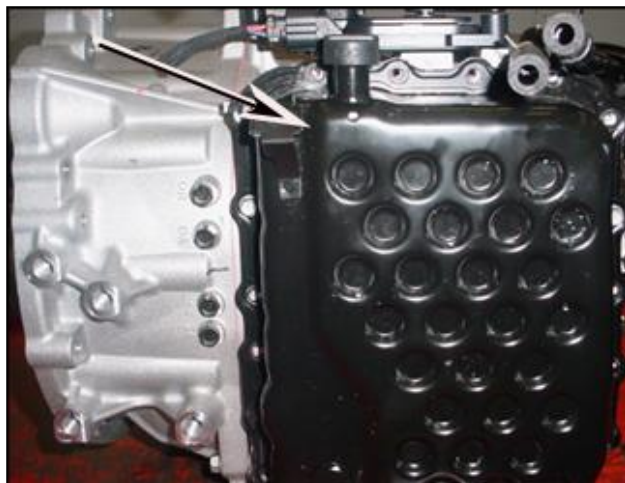


2. Record the preset radio stations.
Remove the battery and battery tray.
3. Remove the undercover below the transmission.
4. If necessary to access the valve body, drain the radiator and remove the lower radiator hose from the radiator.
Drain the ATF.
5. Remove the oil pan bolts and remove the pan.



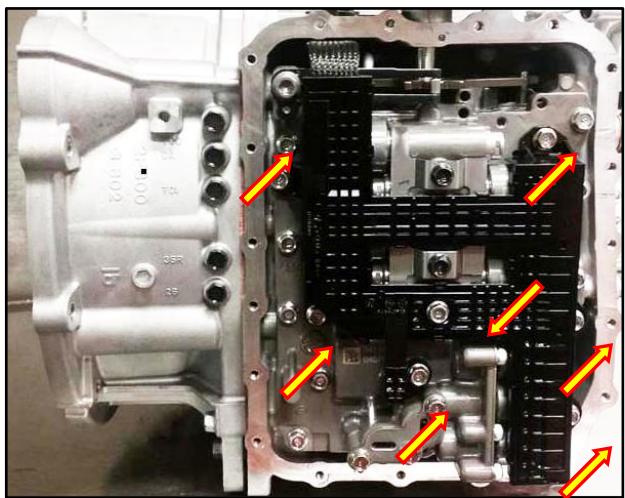
CAUTION

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



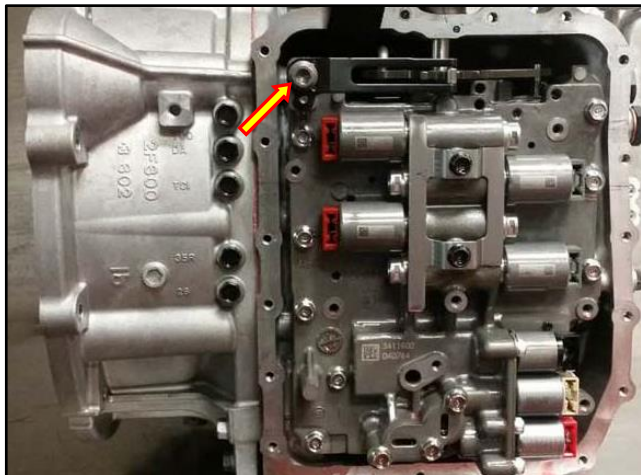
6. Remove 7 bolts to the oil pressure switch harness.

Pull the harness outward and move the harness out of position.



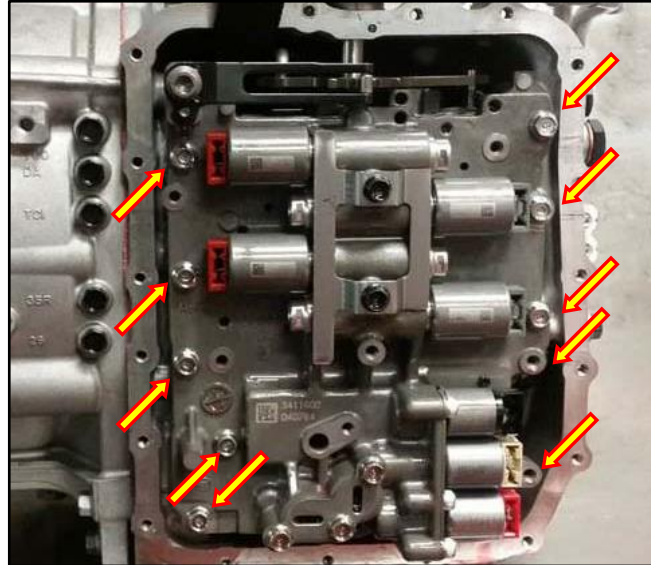
7. Remove the bolt that secures the detent spring and remove the spring.

Torque: 8~11 lb.ft (1.2~1.5 kgf.m/10~13 N.m)



8. Remove the valve body bolts from the outermost bolts to the center bolts.

Remove the valve body.

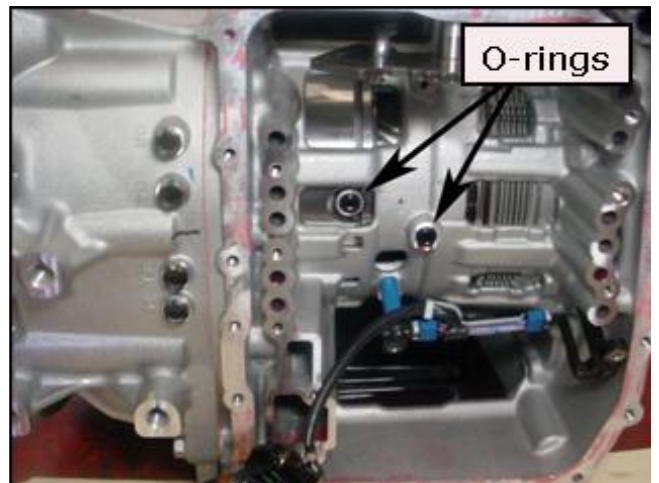


9. Remove the manual valve and install the new manual valve.

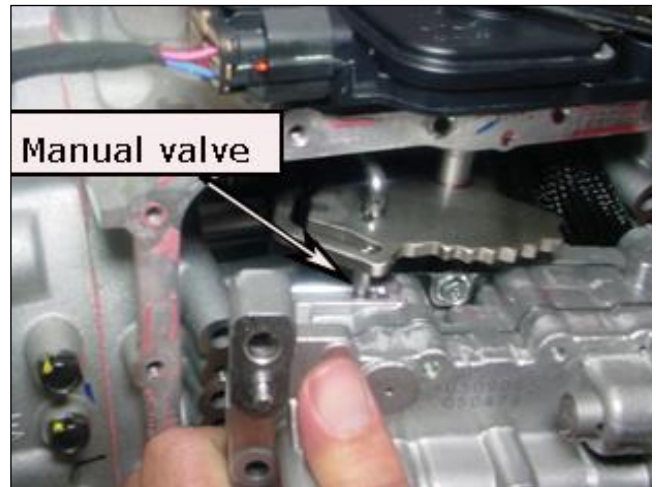
Confirm the manual valve moves smoothly in the bore. If not, replace the valve body.



10. Confirm the O-rings are installed correctly in the case.



11. Align the manual valve to the lever and install the valve body.

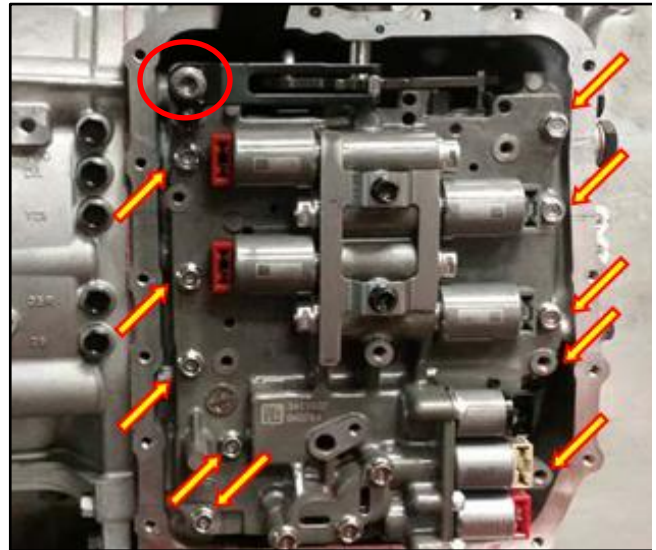


12. Install the valve body bolts and torque the bolts to specification from the center bolts to the outermost bolts.

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

Reinstall the bolt and detent spring.

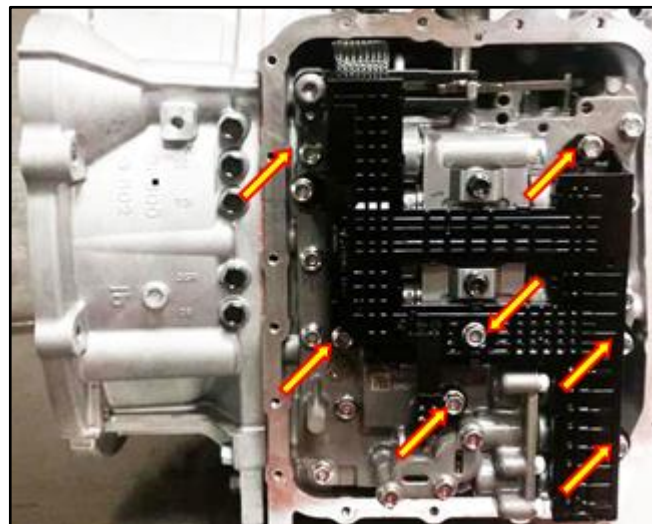
Torque: 8~11 lb.ft (1.2~1.5 kgf.m/10~13 N.m)



13. Reconnect the oil pressure harness to the solenoids.

Install the bolts to the harness and torque to specification.

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



14. Reinstall the pan and tighten the bolts to specification.

Torque: 9~10 lb.ft (1.2~1.4 kgf.m/12~14 N.m)



15. Add ethylene glycol engine coolant to the radiator and check the level according to the appropriate shop manual, "Engine" section.
16. Reconnect the battery.
Input the radio stations recorded in Step 2.
17. Remove the transaxle fill plug.

Use a funnel to add approximately 5~6 quarts of SP4-M ATF through the fill plug opening. Reinstall the fill plug.

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

Start the engine and shift to R and D and place in 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.

18. Drive the vehicle to confirm the transmission shifts P-R-N-D as designed.

