

 <b>HYUNDAI</b> <b>Technical Service Bulletin</b>	GROUP <b>AUTOMATIC TRANSMISSION</b>	NUMBER <b>20-AT-001H</b>
	DATE <b>JANUARY 2020</b>	MODEL <b>SEE APPLICABLE MODELS BELOW</b>
<b>SUBJECT:</b> AUTOMATIC TRANSMISSION INCORRECT RATIO DTC P0731, P0732, P0733, P0734, P0735, P0736, P0729, P076F & P0730		

***This TSB supersedes TSB 19-AT-012H to revise the AD/ADa model years.***

**Description:** This TSB provides a procedure to diagnose and repair a transaxle for the following Incorrect Ratio DTC (transaxle clutch slipping more than 200 rpm in gear).

DTC		Description
P0731	P073100	Gear 1 incorrect ratio
P0732	P073200	Gear 2 incorrect ratio
P0733	P073300	Gear 3 incorrect ratio
P0734	P073400	Gear 4 incorrect ratio
P0735	P073500	Gear 5 incorrect ratio
P0736	P073600	Reverse incorrect ratio
P0729	P072900	Gear 6 incorrect ratio
P076F	P076F00	Gear 7 incorrect ratio
P0730	P073000	Gear 8 incorrect ratio

**Applicable Vehicles:**

2012~17	Accent (RB)	2020~	Palisade (LX2)
2018~	Accent (HC)	2019~	Santa Fe (TMa)
2011	Azera (TG)	2011~14	Sonata (YF)
2012~17	Azera (HG)	2015~	Sonata (LF) 2.0T/2.4L
2011~16	Elantra (MD/UD)	2011~15	Sonata Hybrid (YF HEV)
2017~19	Elantra (AD/ADa) 2.0L	2016~	Sonata Hybrid (LF HEV/PHEV)
2013~14	Elantra Coupe (JK)	2010~15	Tucson (LM)
2013~17	Elantra GT (GD)	2016~	Tucson (TL) 2.0L
2018~	Elantra GT (PD) 2.0L	2013~15	Veloster Turbo (FS)
2018~	Kona (OS) 2.0L	2019~	Veloster (JS) 2.0L
2007~12	Santa Fe (CM)		
2013~18	Santa Fe Sport (AN)		
2013~19	Santa Fe (NC)		

**Warranty Information:** Normal warranty applies.

**Service Procedure:**

1. Connect a GDS and check for DTC. Record the DTC and delete the DTC.
  - If any of the solenoid DTC listed below are found, refer to the appropriate TSB or shop manual and follow the repair procedure.
  - If no solenoid DTC are found, go to Step 2.

Solenoid DTC		Description	
		6AT FWD	8AT FWD
P0743	P074300	Torque converter solenoid (TC)	Torque converter solenoid (TC)
P0748	P074800	Pressure control solenoid (PC)	Pressure control solenoid (PC)
P0753	P075300	Shift solenoid A (UD)	Shift solenoid A (UD)
P0758	P075800	Shift solenoid B (26B)	Shift solenoid B (46)
P0763	P076300	Shift solenoid C (35R)	Shift solenoid C (37R)
P0768	P076800	Shift solenoid D (OD)	Shift solenoid D (OD&LR)
P0773	P077300	Shift solenoid E (SS-A)	Shift solenoid E (28)
P2709	P270900	N/A	Shift solenoid F (SS-A)

2. If any of the DTC on Page 1 are found, refer to the appropriate shop manual, Automatic Transmission section. Replace the transmission.