



HYUNDAI

Technical Service Bulletin

GROUP	NUMBER
AUTOMATIC TRANSMISSION	24-AT-002H
DATE	MODEL
APRIL 2024	SEE APPLICABLE MODELS BELOW

SUBJECT:	AUTOMATIC TRANSMISSION INCORRECT RATIO DTC P0731, P0732, P0733, P0734, P0735, P0736, P0729, P076F & P0730
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This TSB supersedes TSB 20-AT-001H to add additional models.

Description: This TSB provides a procedure to diagnose and replace, if necessary, an automatic transmission with Incorrect Ratio DTC (transmission clutch slip in gear above limit) listed on Page 2.

Applicable Vehicles (Certain):

Model	Description
<ul style="list-style-type: none"> • 2012~17 Accent (RB) 1.6L • 2006~11 Azera (TG) 3.3L/3.8L • 2012~17 Azera (HG) 3.3L • 2011~16 Elantra (MD/UD) • 2017~19 Elantra (AD/ADa) 2.0L • 2013~14 Elantra Coupe (JK) 1.8L/2.0L • 2018~20 Elantra GT (PD) 2.0L • 2018~21 Kona (OS) 2.0L • 2007~12 Santa Fe (CM) 2.4L/3.5L • 2013~19 Santa Fe (NC) 3.3L • 2019 Santa Fe XL 3.3L • 2013~18 Santa Fe Sport (AN) 2.0T/2.4L • 2021~23 Santa Fe Hybrid (TM HEV) 1.6T • 2011~14 Sonata (YF) 2.0T/2.4L • 2015~17 Sonata (LFA) 2.0T/2.4L • 2016~19 Sonata Hybrid (LF HEV) 2.0L • 2020~ Sonata Hybrid (DN8 HEV) 2.0L • 2010~15 Tucson (LM) 2.0L/2.4L • 2016~21 Tucson (TL) 2.0L/2.4L • 2022~ Tucson Hybrid (NX4 HEV) 1.6T • 2013~15 Veloster (FS) (1.6T) • 2019~21 Veloster (JS) 2.0L 	<p>6-Speed Front-wheel Drive (Gen2)</p>
<ul style="list-style-type: none"> • 2024~ Kona (SX2) 1.6T • 2018~19 Sonata (LFA) 2.0T • 2020~ 22 Sonata (DN8A) 1.6T/2.5L • 2021~ Sonata (DN8) 1.6T/2.5L • 2020~ Palisade (LX2) 3.8L • 2022~ Santa Cruz (NXT) 2.5L • 2022~ Tucson (NX4/NX4a) 2.5L 	<p>8-Speed Front-wheel Drive</p>

Applicable Vehicles (Continued):

SUBJECT:**ATM INCORRECT RATIO DTC**

- 2009~14 Genesis (BH) 3.8L/4.6L/5.0L
- 2015~16 Genesis (DH) 3.3T/3.8L/ 5.0L
- 2010~16 Genesis Coupe (BK) 2.0T/3.8L
- 2011~16 Equus (VI) 4.6L/5.0L
- 2017~18 Genesis G80 (DH) 3.3T/3.8L/5.0L
- 2017~18 G90 (HI) 3.3T/5.0L

8-Speed
Rear-Wheel Drive

Incorrect Ratio DTC:

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

Warranty Information:

Model	Op code	Operation	Op Time	Causal Part	Nature Code	Cause Code
See list above	45000R**	Transmission Assy - Auto	Refer to WebLTS for current LTS time	Refer to Web Parts Catalog for applicable transmission part number.	W11	ZZ3
	45000RQ0	Diagnostic tool operation				

NOTE 1: Normal warranty applies.

NOTE 2: Submit claim on Claim Entry Screen as "Warranty" type.

NOTE 3: If a part is found in need of replacement while performing this TSB and the affected part is still under warranty, submit a separate claim using the same repair order. If the affected part is out of warranty, submit a Prior Approval request for goodwill consideration prior to performing the work.

NOTE 4: The incident parts are subject to callback through the normal Warranty Technical Center (WTC) parts return process. Claim is subject to debit if the part is not returned.

Service Procedure:

1. Connect a GDS and check for DTC(s). Record the DTC(s) and delete the DTC(s).
 - If any input/output speed sensor DTC or solenoid DTC listed below are found, refer to the appropriate TSB and follow the repair procedure.
 - If only incorrect ratio DTC listed on Page 2 are found, refer to the related shop manual and replace the transmission.

Input/Output Sensor DTC		Description
P0717	P071700	Input speed sensor – No signal
P0721	P072100	Output speed sensor – Range/performance
P0722	P072200	Output speed sensor – No signal

Solenoid DTC		Description
P0743	P074300	Torque converter solenoid (TC)
P0748	P074800	Pressure control solenoid (PC)
P0753	P075300	Shift solenoid A
P0758	P075800	Shift solenoid B
P0763	P076300	Shift solenoid C
P0768	P076800	Shift solenoid D
P0773	P077300	Shift solenoid E
P2709	P270900	Shift solenoid F