

HYUNDAI **Technical Service Bulletin**

GROUP AUTOMATIC TRANSMISSION	NUMBER 26-AT-002H
DATE FEBRUARY 2026	MODEL(S) SANTA FE (TMA) TUCSON (NX4A)

SUBJECT: ELECTRIC OIL PUMP REPLACEMENT - DTC U028700

★ IMPORTANT

This field action requires justification in the form of a customer concern, and a confirmed case for the related symptom outlined in the TSB, prior to any repair work. If justification requirements are not met, any submitted claims are subject to debit. 10 / 100,000 Powertrain Limited Warranty for original owners and 5 / 60,000 New Vehicle Limited Warranty (NVLW) for subsequent owners applies. See Warranty Information section for more details.

Description: Some Santa Fe (TMA) and Tucson (NX4A) vehicles equipped with a 2.5L GDI engine and 8 speed automatic transmission may have DTC U028700 (Lost Communication With Trans Fluid Pump Module) set by the transmission Electric Oil Pump (EOP). This DTC can cause the Idle Stop & Go (ISG) system to become inoperative. Follow the procedure in this bulletin to replace the Electric Oil Pump on affected vehicles.



Applicable Vehicles:

Model Year	Model	Production Dates	Engine	Transmission	VIN Starts with
2021 - 2023	Santa Fe (TMA)	11/19/2020 - 12/29/2023	2.5L GDI	8AT	5NM
2022 - 2024	Tucson (NX4A)	02/03/2021 - 09/19/2024			

SUBJECT:

ELECTRIC OIL PUMP REPLACEMENT - DTC U028700

Parts Information:

Model	Part Name	Part Number	Figure	Remarks
Santa Fe (TMA) Tucson (NX4A)	Pump Assy - Electric Oil	46110-2F600QQH		Applies to 8AT Transmission Only
	ATF SP4-M1	00232-19107		Qty: 1 Quart
	O-Ring	45263-3B000		Qty: 1
	O-Ring	45262-3B100		Qty: 1
	Eye Bolt Assy	45284-4G800		Qty: 1

Warranty Information:

Model	Op. Code	Operation	Op. Time	Causal Part	Nature Code	Cause Code
Tucson (NX4A)	50DA01R0	DTC U028700 and Electric Oil Pump (EOP) Replacement	0.9 M/H	46110-2F600	I11	ZZ3
Santa Fe (TMA)	50DA01R1					

NOTE 1: Submit claim on Claim Entry Screen as “Campaign” type.

NOTE 2: 10 / 100,000 Powertrain Limited Warranty for original owners and 5 / 60,000 New Vehicle Limited Warranty (NVLW) for subsequent owners, apply to the part(s) and repair procedure(s) outlined in this TSB. Prior to beginning any repair work, ensure that the part(s) associated with the repair procedure are within the applicable warranty, observing mileage and Warranty Start Date or date of first use. If the subject part(s) are out of warranty coverage, the dealer may submit a PA Request for goodwill consideration on a case-by-case basis.

NOTE 3: If any part(s) not subject to this TSB are found in need of replacement while performing the repair procedure, and the affected part(s) are still under warranty, the dealer may submit a separate claim using the same repair order. If the part(s) not subject to this TSB are out of warranty coverage, the dealer has the option to submit a PA Request for goodwill consideration on a case-by-case basis.

NOTE 4: This TSB includes repair justification in the form of automatically uploaded DTC(s) via GDS e-Report at the time of diagnosis. To ensure adherence to the Digital Documentation Policy before claim submission, DTC history can be reviewed via the e-Report function within the GDS.

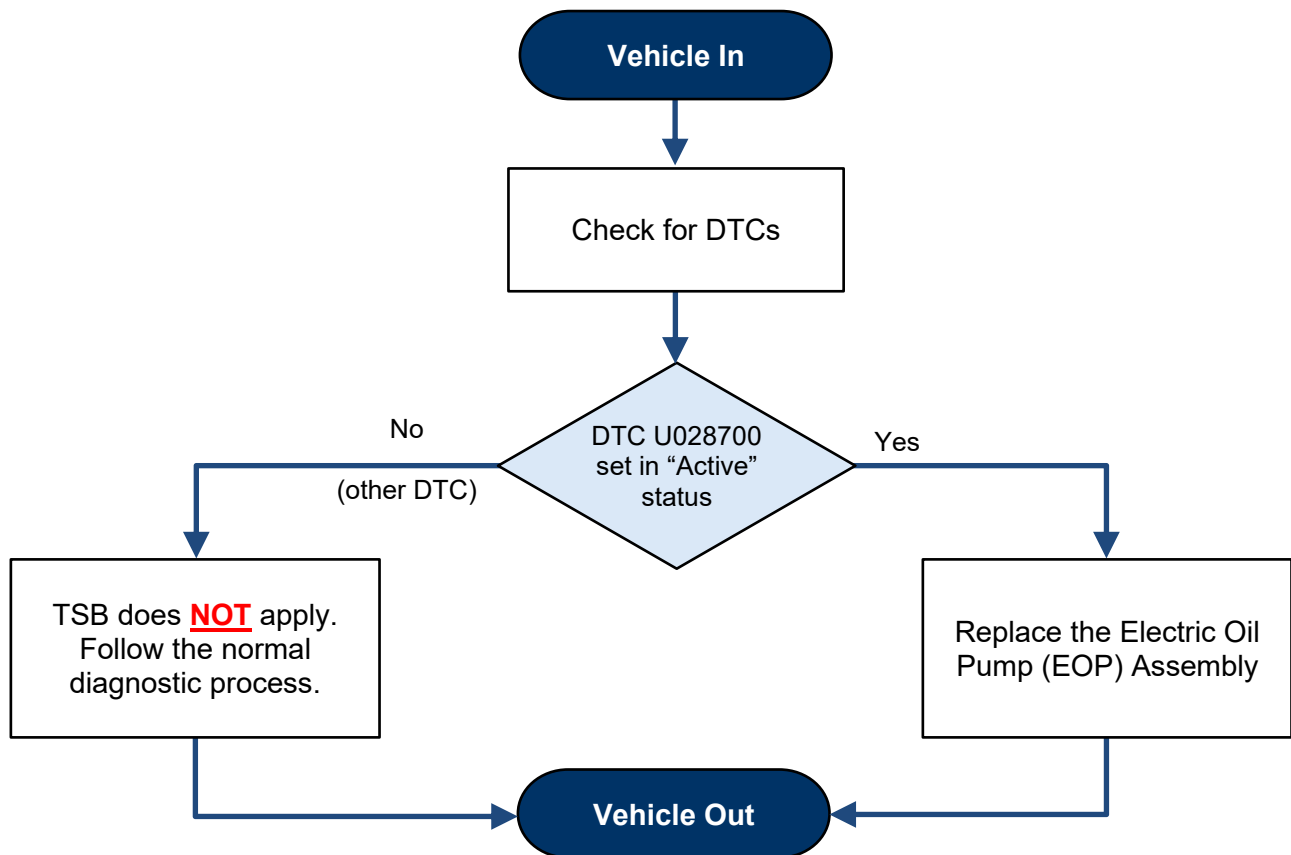
Service Procedure:

DIGITAL DOCUMENTATION

This TSB includes repair justification in the form of an automatically uploaded DTC via GDS e-Report at the time of diagnosis. To ensure adherence to the Digital Documentation Policy prior to claim submission, DTC history can be reviewed via the e-Report function within the GDS.

NOTICE

Applying the recommended torque to all fasteners is essential to reduce potential issues from occurring after the service procedure.

Service Procedure Flowchart

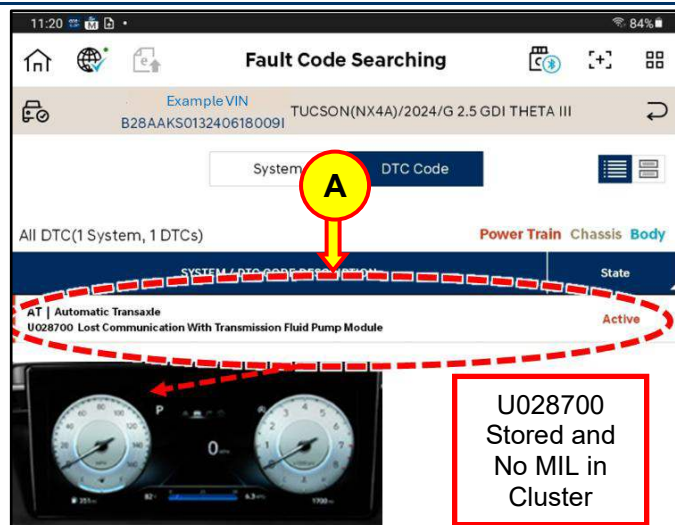
DTC Check and EOP Replacement

1. Using GDS, perform **Fault Code Searching** in the **AT** system for “**Active**” DTC **U028700** (Lost Communication With Trans Fluid Pump Module).

i Information

DTC U028700 does **NOT** illuminate a warning light in the instrument cluster, but stores the DTC in the transmission control unit.

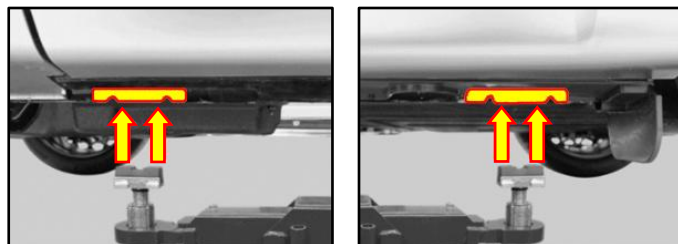
- If DTC U028700 is set in “**Active**” status (A), **proceed to step 2**.
- If DTC U028700 is **NOT** in “**Active**” status, or another DTC is found, this TSB does **NOT** apply. Follow the normal diagnostic process.



2. Disconnect the negative (–) battery cable.
3. Visually check that the lift blocks are properly seated on the vehicle support points and raise the vehicle.

NOTICE

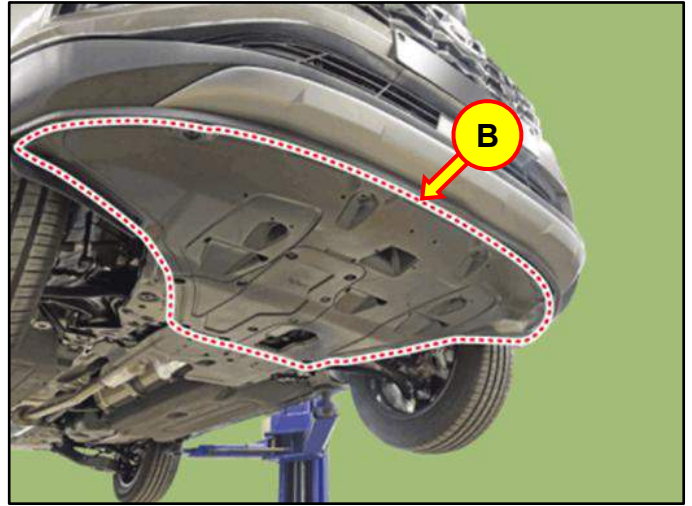
Raising the vehicle from anywhere other than the support points may damage vehicle components.



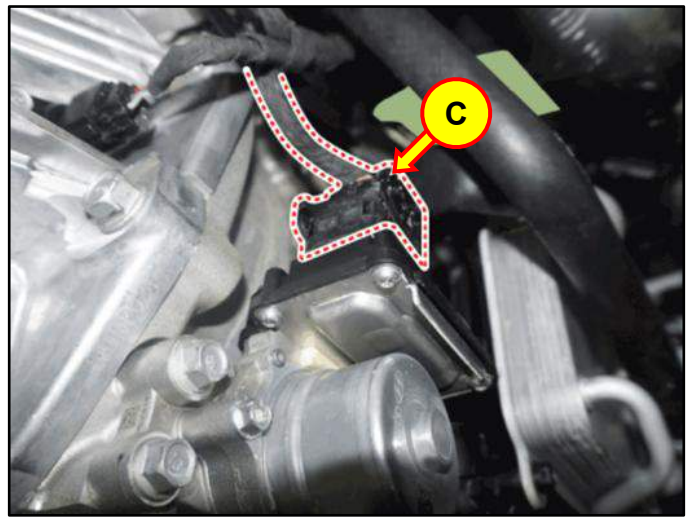
Refer to the shop manual:

- **General Information > Lift and Support Points > General Information**

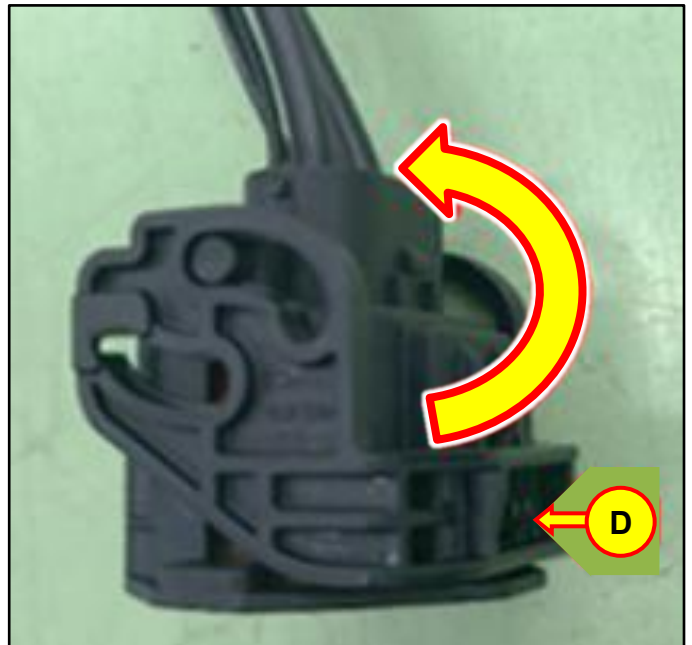
4. Remove the engine room under cover (B) by referring to the shop manual:
 - **Engine Mechanical System > Engine and Transmission Assembly > Engine Room Under Cover > Removal and Installation**



5. Disconnect the electric oil pump (EOP) connector (C).

**Information**

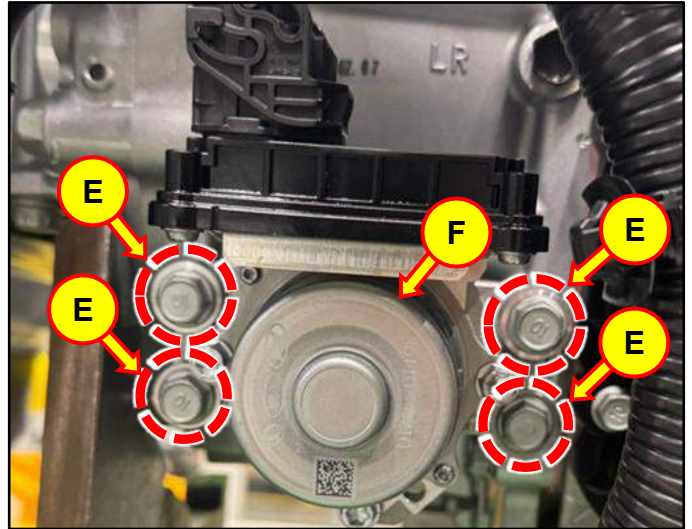
Release the connector hook (D) and then pull it upward.



6. Remove the **4 bolts** (E) securing the electric oil pump (EOP) to the transmission and remove the EOP (F).

Tightening Torque:

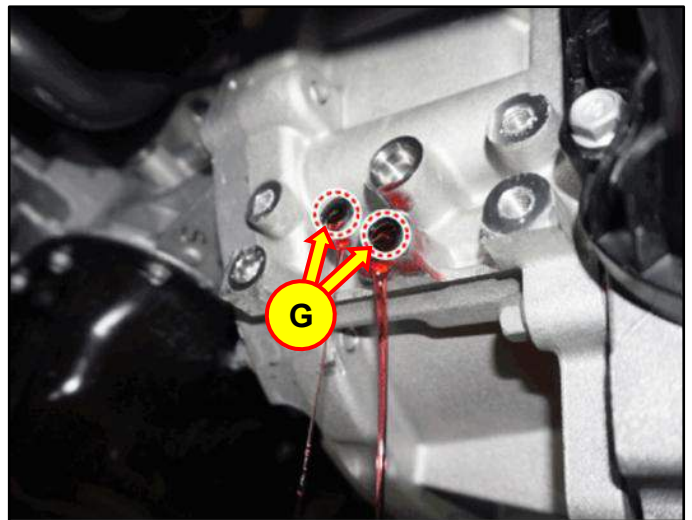
lb-ft	18
N.m	23



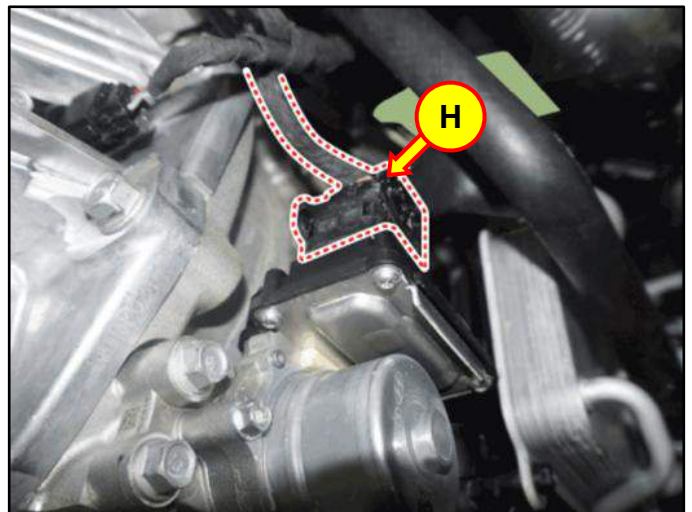
7. Replace the **2 O-rings** (G) on the transmission and install the new EOP in the reverse order of removal.

Tightening Torque:

lb-ft	18
N.m	23



8. Connect the electric oil pump (EOP) connector (H).



9. Add ATF to the specified level according to the shop manual.

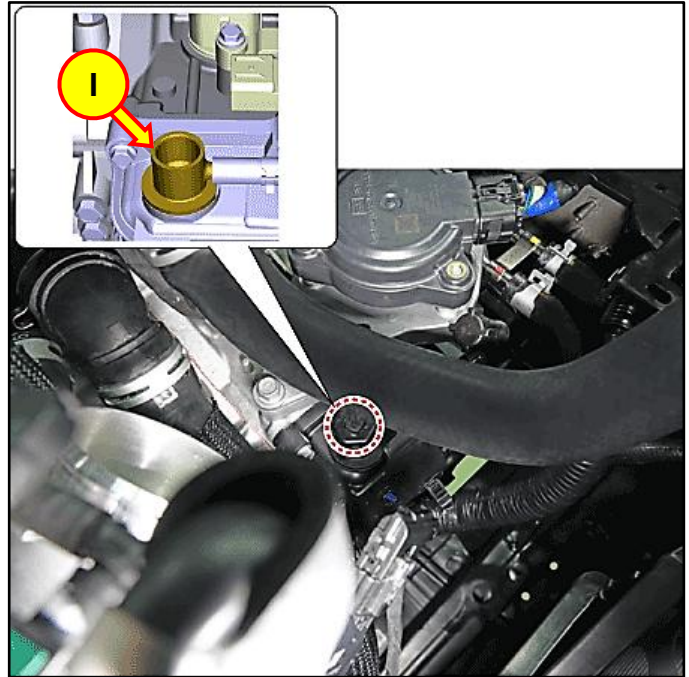
- **Automatic Transaxle System > Automatic Transaxle System > Automatic Transaxle Fluid (ATF) > Repair Procedures**



Information

Make sure to add 24 oz. (0.7 liters) of the proper ATF to the ATF injection hole (I) before starting the engine.

Check ATF level and check for leaks.



10. Reinstall all components in the reverse order of the removal process.
11. Using GDS, erase DTC history, and perform **Fault Code Searching**, confirm DTC **U028700** does **NOT** set again.
12. The service procedure is now complete.