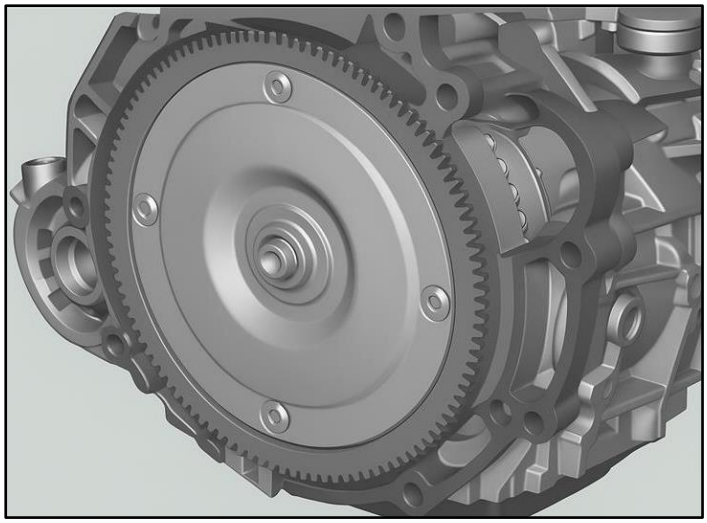
HYUNDAI **Technical Service Bulletin**	GROUP **AUTOMATIC TRANSAXLE**	NUMBER **26-AT-003H**
	DATE **MAY 2026**	MODEL(S) **SANTA FE (MX5A)** **SANTA CRUZ (NXT)**

SUBJECT: LOW IDLE OR EXCESSIVE VIBRATION DTC P050600 – TORQUE CONVERTER REPLACEMENT

★ IMPORTANT

This field action requires both a reported condition consistent with the symptoms outlined in this TSB and dealer confirmation of those symptoms before any repair work is performed. If 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 (MX5A) and Santa Cruz (NXT) vehicles may exhibit a low idle or excessive vibration while in Drive or Reverse, or DTC P050600 (Idle Air Control System – RPM Lower than Expected) caused by the one-way clutch sprags being misaligned. This bulletin provides instructions to remove the automatic transmission and replace the torque converter.



Applicable Vehicles:

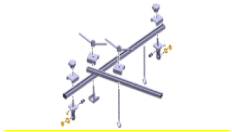
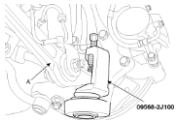
Model Year	Model	Engine	Production Dates
2026	Santa Fe (MX5A)	2.5T	06/16/2025 – 10/07/2025
	Santa Cruz (NXT)		06/16/2025 – 10/09/2025

Circulate To: General Manager, Service Manager, Parts Manager, Warranty Manager, Service Advisors, Technicians, Body Shop Manager, Fleet Repair

Parts Information:

Model	Part Name	Part Number	Remarks
Santa Fe (MX5A) Santa Cruz (NXT)	Converter Assembly – Torque	45100 – 4G800QQH	QTY: 1
	Bolt – Roll Rod Support	43172 – 26000	QTY: 1
	Bolt – Automatic Transaxle Bracket	11234-12406P	QTY: 1
	Pin – Split	57799-4D200	QTY: 2
	Nut – Driveshaft Lock	49557-2D000	QTY: 2
	Bolt – Propeller Shaft	11435-10256K	QTY: 4 4WD **ONLY**
	Coolant – Pink Antifreeze	00232 - 19098	QTY: 2
	Fluid – Automatic Transmission	00232 - 19107	8 Quarts ATF SP4M-1

SST Information:

Tool Name	Tool Number	Figure	Ordering Information
VCI 3	G0VHNNN06		Website: https://hyundaiessentialtools.com/ Email: Hyundaitools@snapon.com Phone: 1-855-763-9199 Hours: 7 AM – 7 PM CST
VCI 2	G1XDDMN001		
Engine Support Fixture (Beam)	09200 – 3N000		
Ball Joint tool	09568 – 2J100		
Ball Joint tool	09568 – 4R100		

NOTE: VCI 2 can **NO** longer be ordered but can be used for the updates in this TSB.

Warranty Information:

Model	Op. Code	Operation	Op. Time	Causal Part	Nature Code	Cause Code
Santa Fe (MX5A) 2WD	50DA58R0	Torque Converter Replacement (Includes alignment)	4.7 M/H	45100 – 4G800	W17	ZZ3
Santa Fe (MX5A) 4WD	50DA58R1		4.9 M/H			
Santa Cruz (NXT) 2WD	50DA58R2		4.7 M/H			
Santa Cruz (NXT) 4WD	50DA58R3		4.9 M/H			

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 retailer may submit a Prior Approval (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.
NOTE 5: 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:

DIGITAL DOCUMENTATION

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.

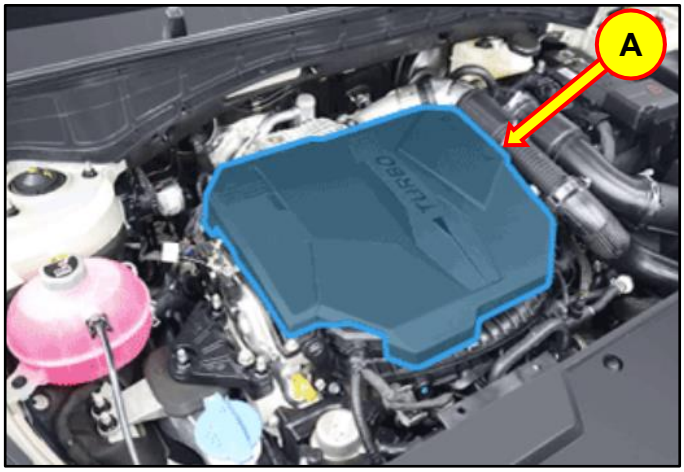
NOTICE

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

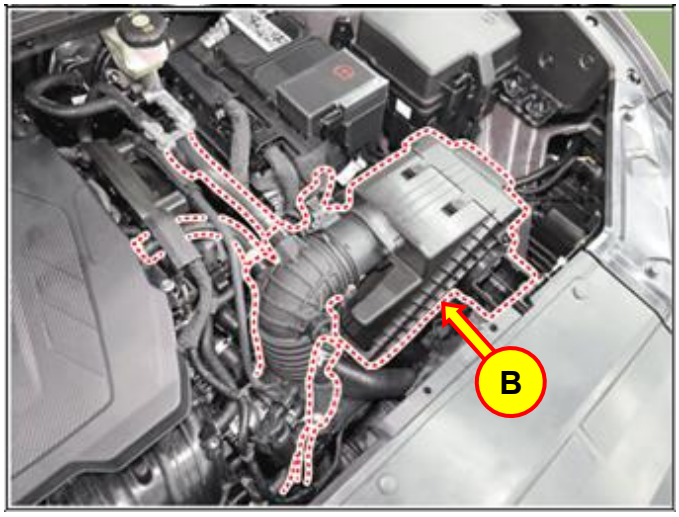
Torque Converter Replacement

1. Disconnect the negative (–) battery terminal.

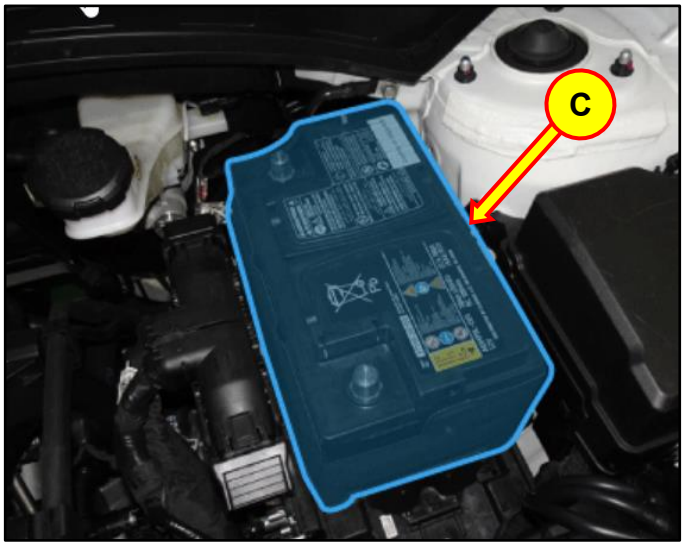
2. Remove the engine cover (A) by referring to the shop manual:
   - **Engine Mechanical System > Engine and Transaxle Assembly > Engine Cover > Removal and Installation**



3. Remove the air cleaner assembly (B) by referring to the shop manual:
   - **Engine Mechanical System > Intake and Exhaust System > Air Cleaner > Removal and Installation**

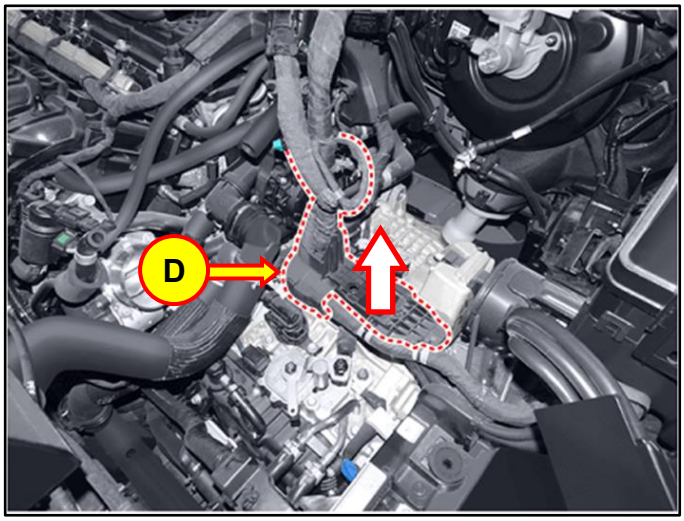


4. Remove the **12V** battery (C) and battery tray.by referring to the shop manual:
   - **Engine Electrical System > Charging System > 12V Battery > Removal**

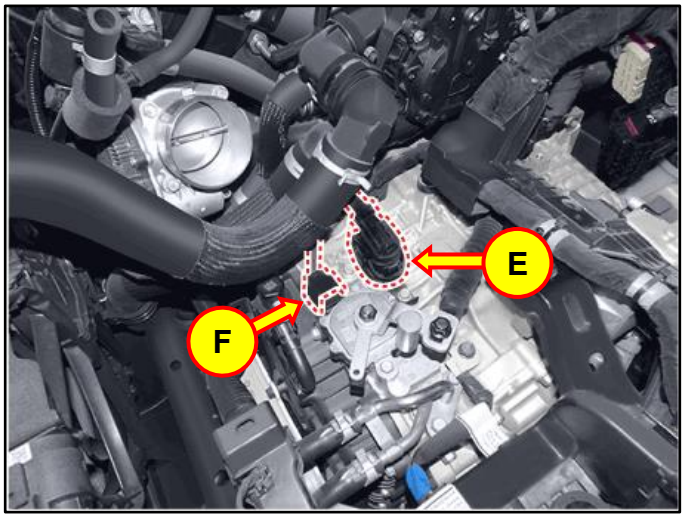


5. Drain the engine coolant by referring to the shop manual:
   - **Engine Mechanical System > Cooling System > Coolant > Drain**

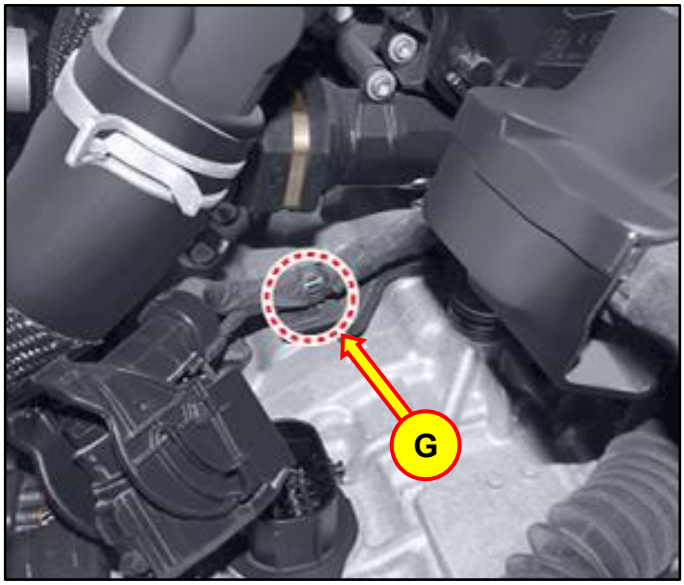
6. Detach the control wiring harness connectors from the transmission (D).



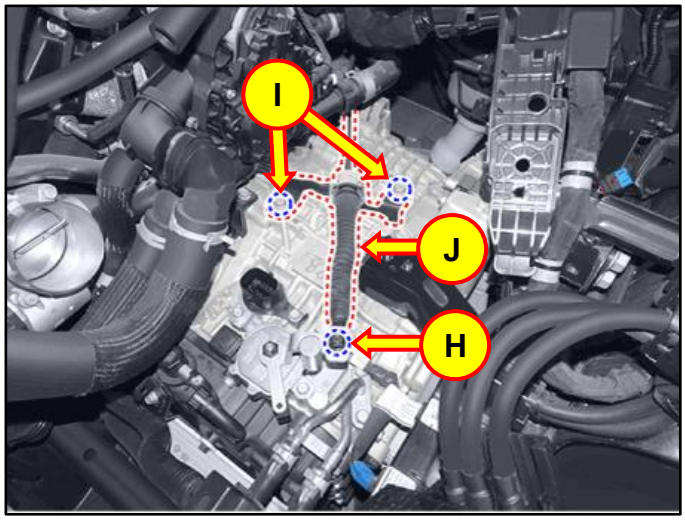
7. Disconnect the main connector (E) and the inhibitor switch connector (F).



8. Detach the wiring (G).



9. For Santa Cruz (NXT) **ONLY**:



Remove **1** nut (H) and **2** bolts (I) and detach the shift cable (J).

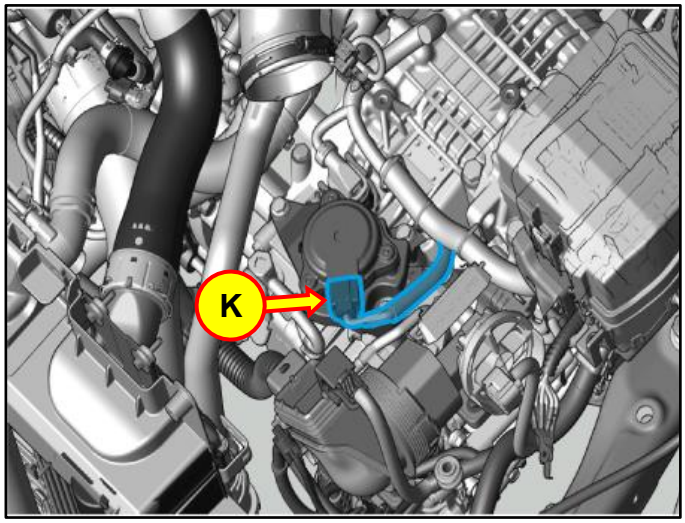
Tightening Torque (H):

lb-ft	9.0
lb-in	108
N.m	12.3

Tightening Torque (I):

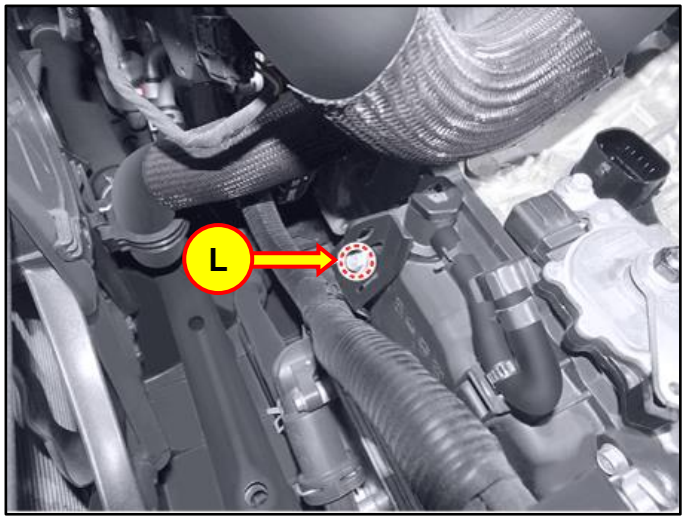
lb-ft	14
N.m	18

For Santa Fe (MX5A) **ONLY**:

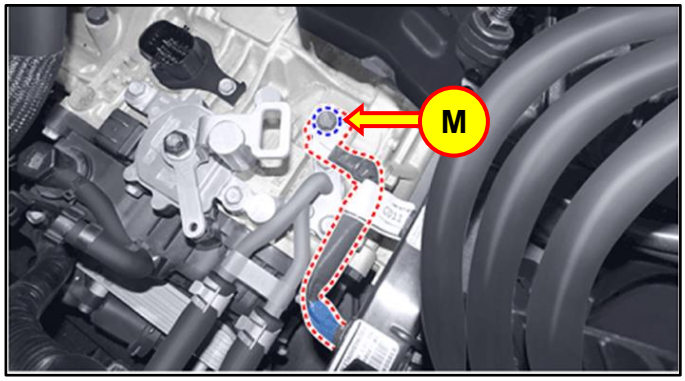


Disconnect the electronic shift actuator connector (K).

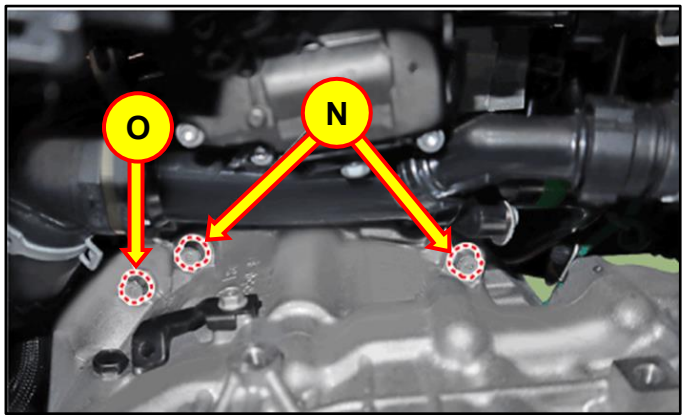
10. Remove the bolt (L) and detach the wiring bracket.



11. Remove the bolt and detach the ground line (M).



12. Remove **2** automatic transaxle upper bolts (N) and **1** starter motor upper bolt (O).



Tightening Torque (N):

lb-ft	36
N.m	48

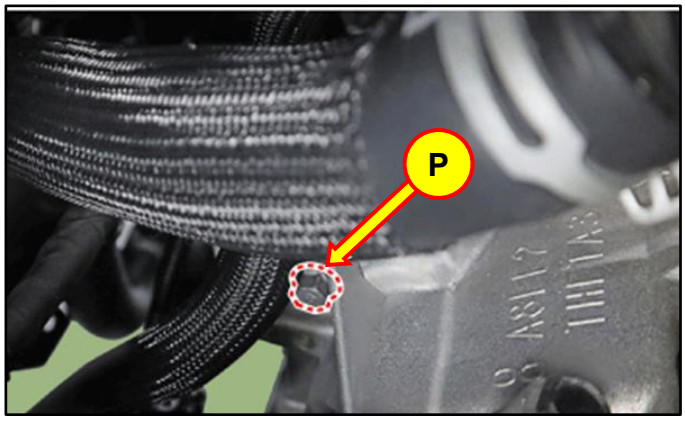
Tightening Torque (O):

lb-ft	42
N.m	57

13. Remove the starter motor lower bolt (P).

Tightening Torque:

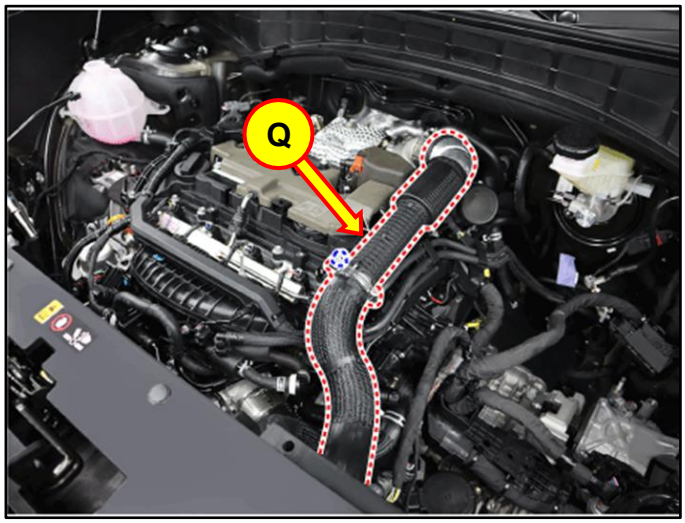
lb-ft	42
N.m	57



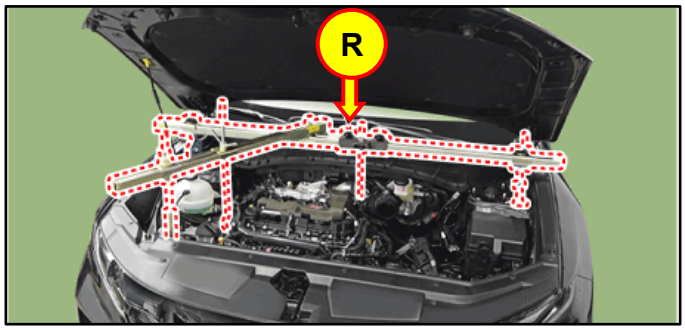
14. Remove the bolt and detach the intercooler inlet hose and pipe (Q).

Tightening Torque:

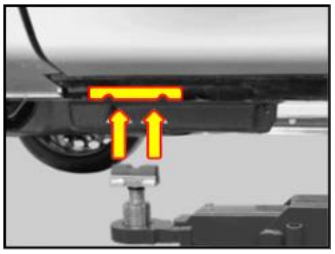
lb-ft	13
N.m	18

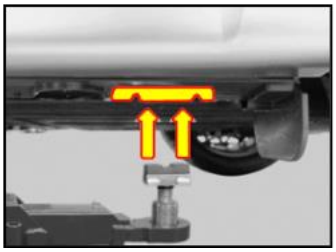


15. Assemble the engine support fixture (R).



16. Visually check that the lift blocks are properly seated on the vehicle support points and raise the vehicle.



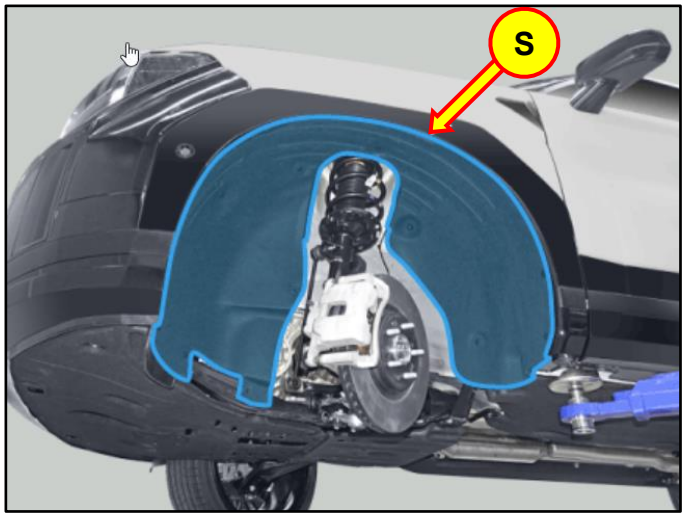


NOTICE

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

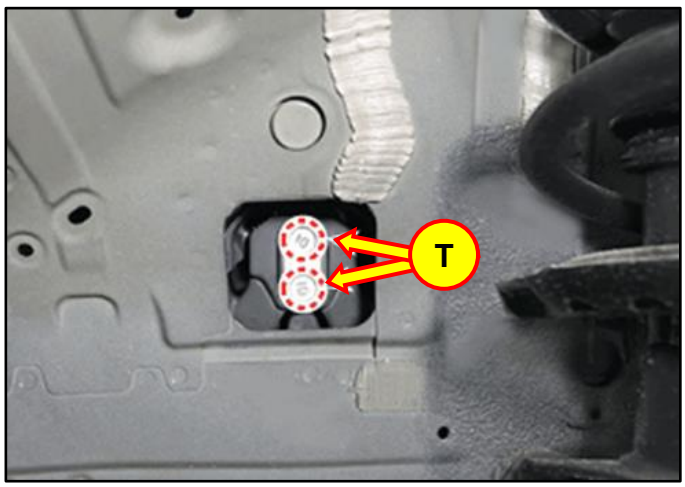
17. Remove the LH front wheel guard (S) by referring to the shop manual:
    - **Body (Interior / Exterior / Electrical) > Body Side Molding > Wheel Guard > Removal and Installation**



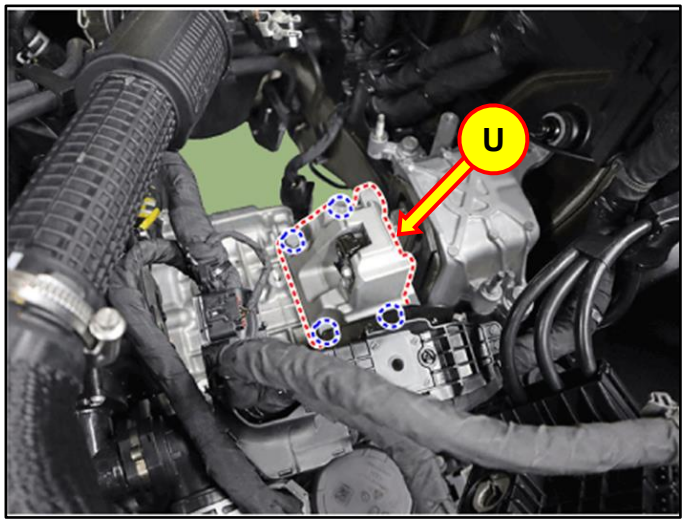
18. Remove **2** automatic transaxle bracket support bolts (T).

Tightening Torque:

lb-ft	87
N.m	118



19. Remove **4** bolts then remove the automatic transaxle bracket (U).

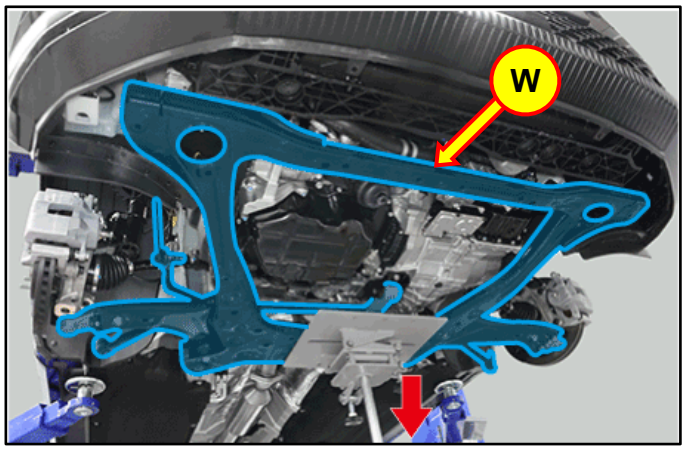


NOTICE

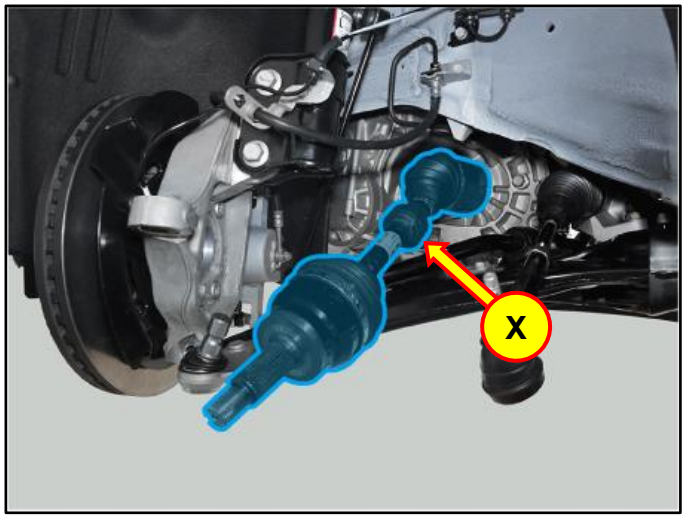
Do **NOT** reuse the automatic transaxle bracket bolts.

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

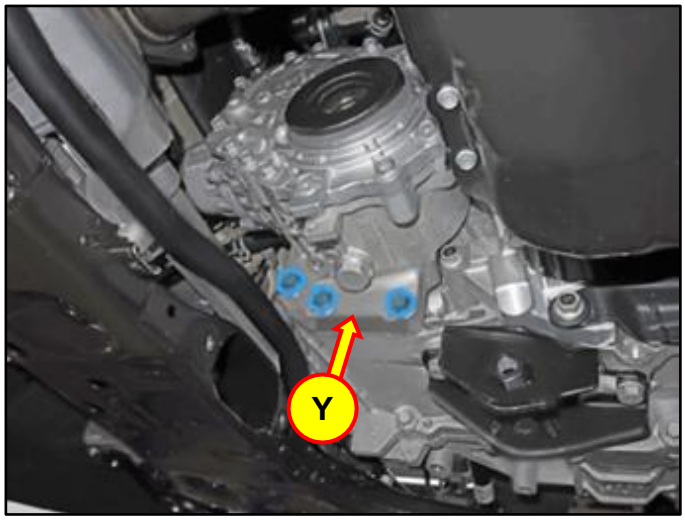
21. Support the sub frame (W) safely with a jack, then remove the sub frame by referring to the shop manual:
    - **Suspension System > Front Suspension System > Front Sub Frame > Removal**



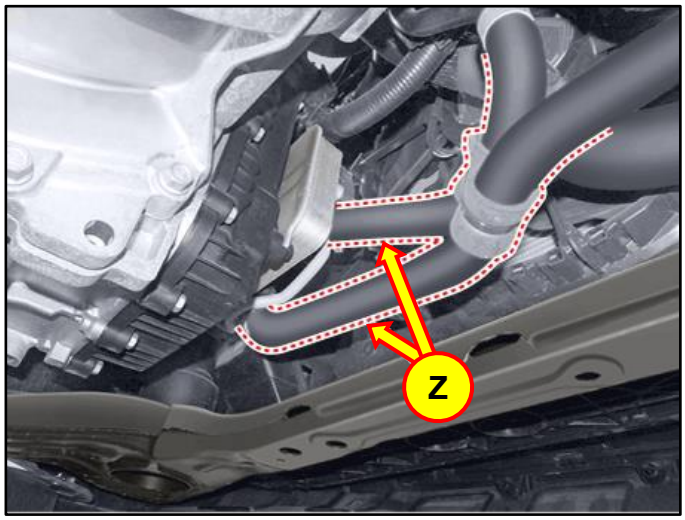
22. Remove the LH and RH front driveshaft assembly (X) by referring to the shop manual:
    - **Driveshaft and Axle > Front Driveshaft Assembly > Front Driveshaft > Removal**



23. Remove the transfer assembly (Y) by referring to the shop manual:
    - **4 Wheel Drive (4WD) System (4WD Control) > Transfer Assembly > Front Wheel Transfer Assembly > Removal**



24. Detach the ATF coolant hose (Z).



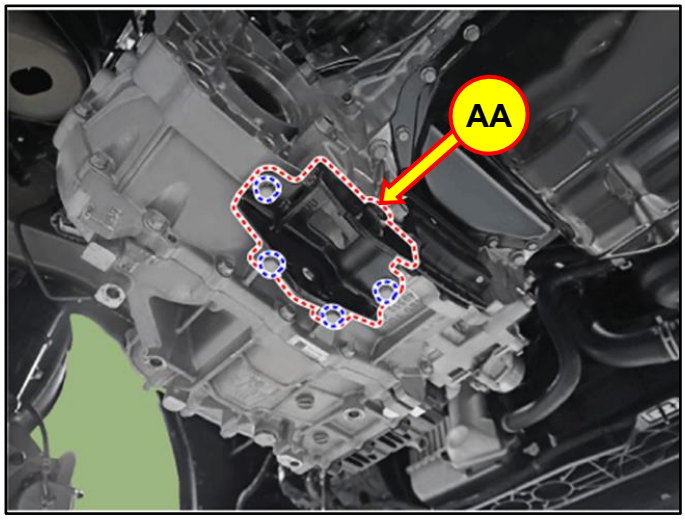
25. Remove **4** bolts then remove the roll rod support bracket (AA).

Tightening Torque:

lb-ft	44
N.m	59

NOTICE

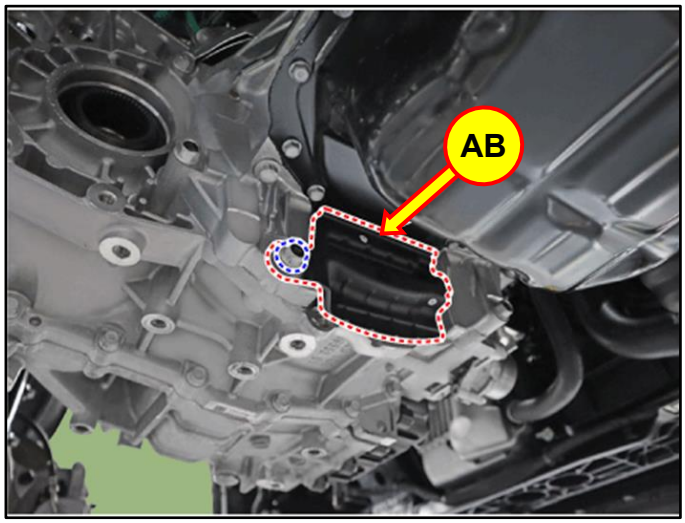
Do **NOT** reuse the roll rod support bracket bolts.



26. Remove the bolt then remove the dust cover (AB).

Tightening Torque:

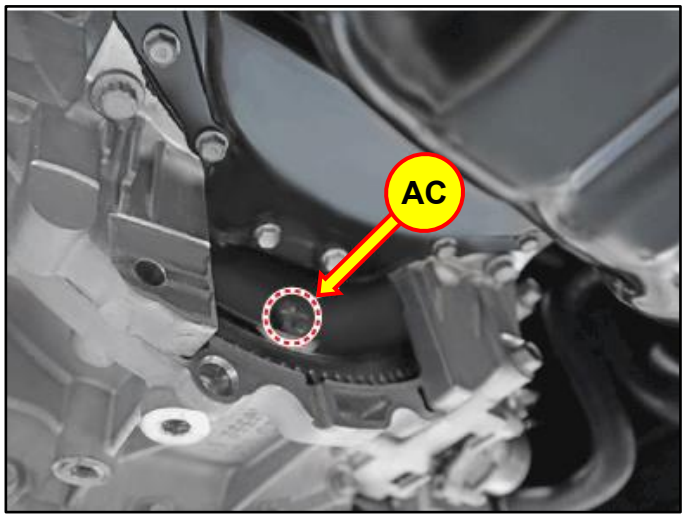
lb-ft	34
N.m	46



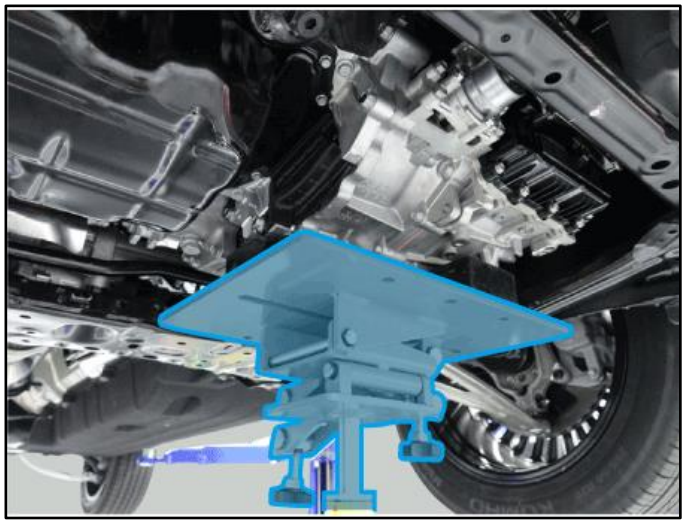
27. Rotate the crankshaft to remove the torque converter bolts (AC).

Tightening Torque:

lb-ft	36
N.m	49



28. Support the transaxle safely with a jack.



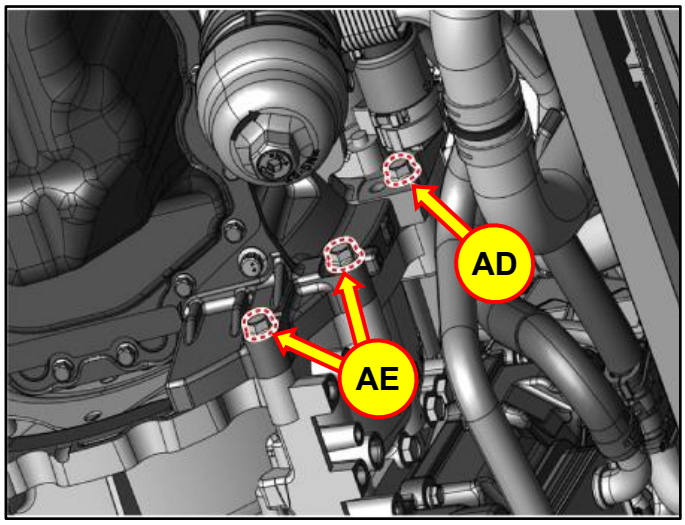
29. Remove **3** automatic transaxle lower bolts (AD,AE).

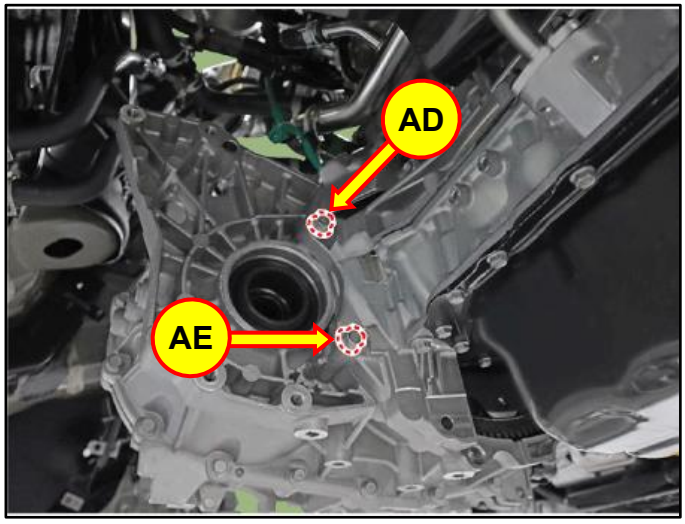
Tightening Torque (AD)

lb-ft	36
N.m	49

Tightening Torque (AE)

lb-ft	34
N.m	46





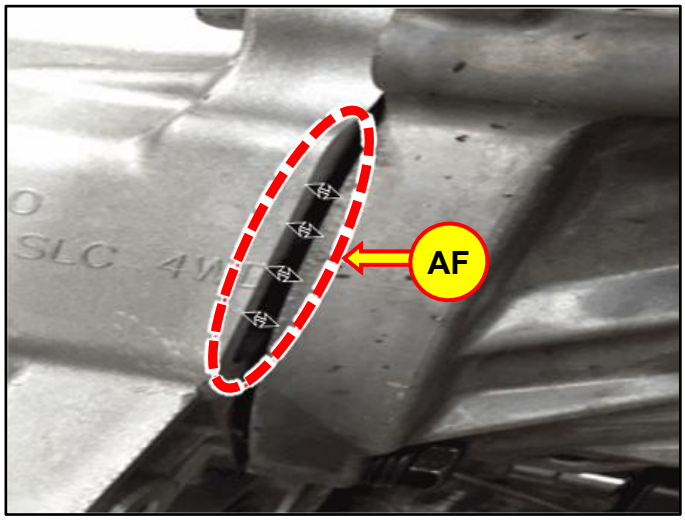
30. Detach the automatic transaxle assembly from the engine.

    Lower the jack slowly to remove the automatic transaxle assembly.

NOTICE

Be careful **NOT** to damage any parts when removing the automatic transaxle assembly.

31. Install the new torque converter in the reverse order of the removal process.

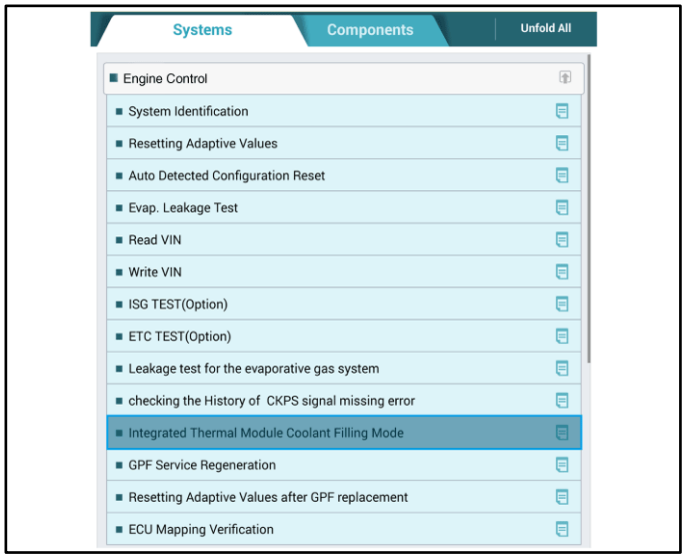


NOTICE

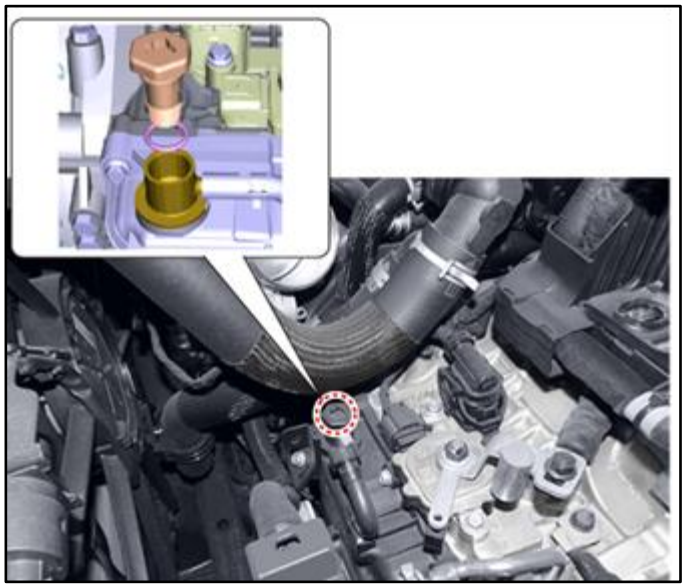
Before reassembling the automatic transaxle to the engine assembly, make sure there is **NO** gap (AF) between the automatic transaxle and engine assembly. If a gap exists, realign the automatic transaxle until it is properly seated against the engine assembly. Do **NOT** reassemble the automatic transaxle to the engine assembly until the gap (AF) is corrected.

32. Use the GDS to erase any DTCs.

34. Refill the coolant by referring to the shop manual:
    - **Engine Mechanical System > Cooling System > Coolant > Supplement**



35. Check the ATF level after refilling the automatic transaxle with fluid by referring to the shop manual:
    - **Automatic Transaxle System > Hydraulic System > Fluid > Supplement**



36. Perform alignment check by referring to the shop manual:
    - **Suspension System > Tires/Wheels > Alignment > Alignment**

37. Confirm the proper operation of the vehicle.

38. The service procedure is now complete.