



GROUP

MODEL

TRA

2024-2025MY
Seltos AWD (SP2)

NUMBER

DATE

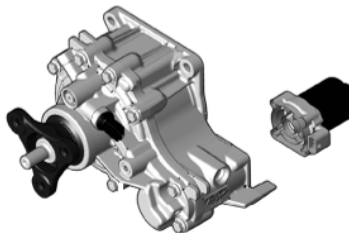
114

June 2025

TECHNICAL SERVICE BULLETIN

SUBJECT: **AWD/4WD COUPLING ACTUATOR REPLACEMENT (CA2503)**

This bulletin provides information related to the Technical Service Bulletin previously published under ELE374, titled 'Service Action: AWD Coupling Actuator Logic Improvement (SA605)'. If the affected vehicles experience a loss of AWD capability (FWD continues to operate but there is no power sent to the rear wheels) accompanied by a warning message on the instrument cluster "Check AWD/4WD System" and the Malfunction Indicator Lamp (MIL) illuminated with DTCs P195800 and P196000 stored AFTER the AWD Coupling Actuator Logic Improvement has been installed per ELE374/SA605, follow the instructions outlined in this publication to replace the AWD Coupling Actuator on the applicable vehicle.

DTC Description:**P195800 - AWD-Torque Error****P196000 - AWD-Bleeding Pressure Error****NOTICE**

A Technical Service Bulletin is a field fix repair program without customer notification that may be performed during the warranty period.

This bulletin should only be performed with a valid customer complaint of (1) inoperative AWD capability, (2) warning message "Check AWD/4WD System" on the instrument cluster and/or (3) the Malfunction Indicator Lamp (MIL) with a related DTC stored.

Repair status for a VIN is provided on KDealer+ (Service → Warranty Coverage → Warranty Coverage Inquiry). If TRA114/CA2503 is complete, any subsequent or follow up concerns need to be addressed under the terms of Kia's Basic Limited Warranty Coverage.

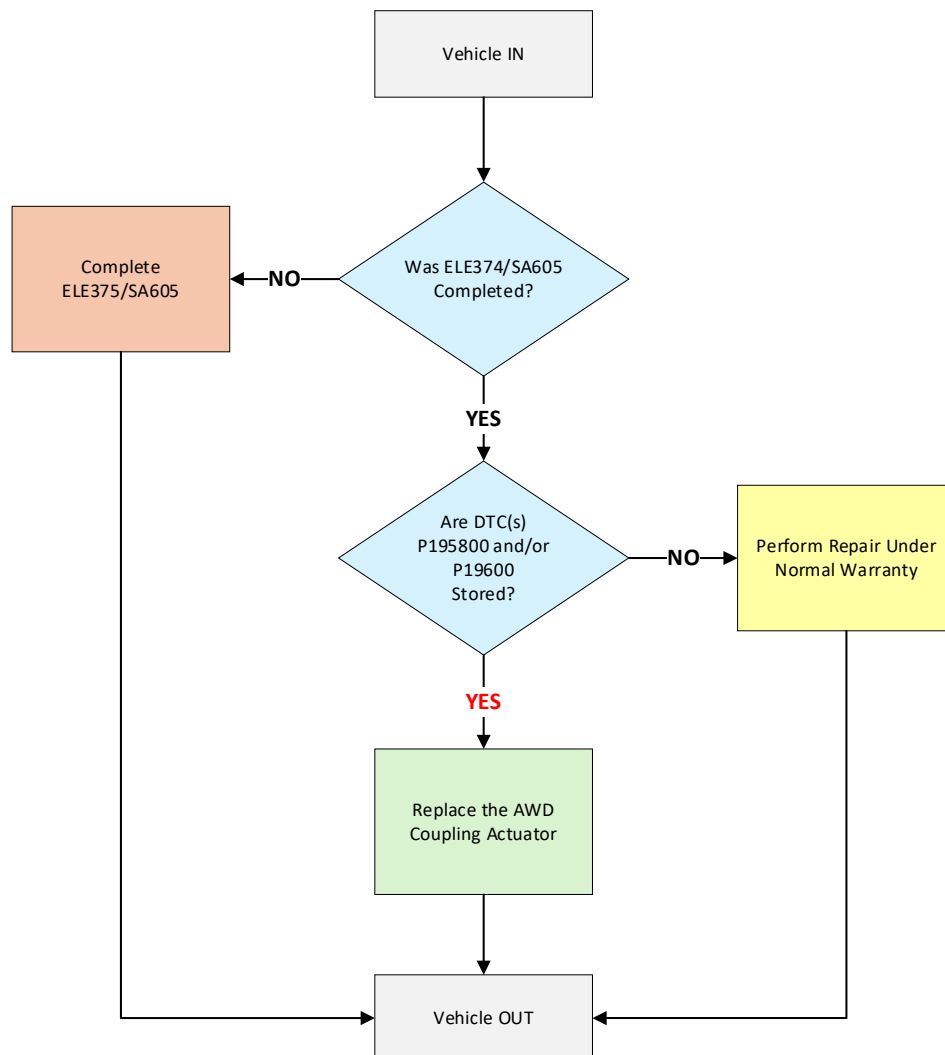
A printed copy is for reference only; publication information can be updated at any time.
Always refer to KGIS for the latest information. After logging in kdealer.com, the newest technical publications are listed in 'Service Releases' and has the latest service information that has been released.

Flowchart:

- TRA114 → Vehicle 'IN' after ELE374 (SA605) was completed AND any of the 'related' DTC's are stored.

One or more 'related' DTC(s) stored:

DTC	DTC Description
P195800	AWD-Torque Error
P196000	AWD-Bleeding Pressure Error



Note: A [Vehicle Diagnosis Number \(VDN\)](#) must be created for DTC's prior to ordering parts and performing necessary procedure(s), as outlined in this TSB. If a VDN is not created, Parts Ordering and Warranty claim submission issues WILL occur. Any claims for replacement parts are subject to Warranty review and chargeback.

Repair Procedure:

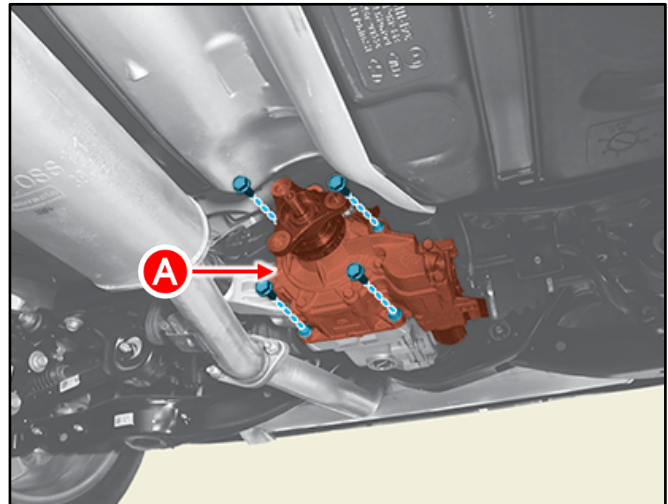
BEFORE PERFORMING THIS TSB:

Customer complaint of (1) inoperative AWD capability, (2) warning message "Check AWD/4WD System" on the instrument cluster and/or (3) the Malfunction Indicator Lamp (MIL) with a related DTC stored **MUST** be stated in the opening RO and Claim Notes.

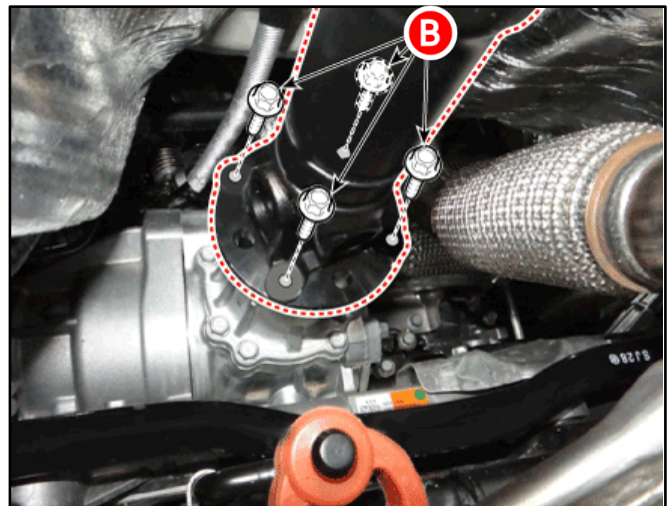
1. **Remove** the Coupling Assembly (A) by referring to "All Wheel Drive (AWD) System → Coupling Assembly → Direct Electro Hydraulic Coupling → Removal and Installation" in the applicable Shop Manual on KGIS.



Tightening torque for coupling bolts:
42.0 - 47.7 lb.ft (56.9 - 64.7 N.m)

**TECH TIP**

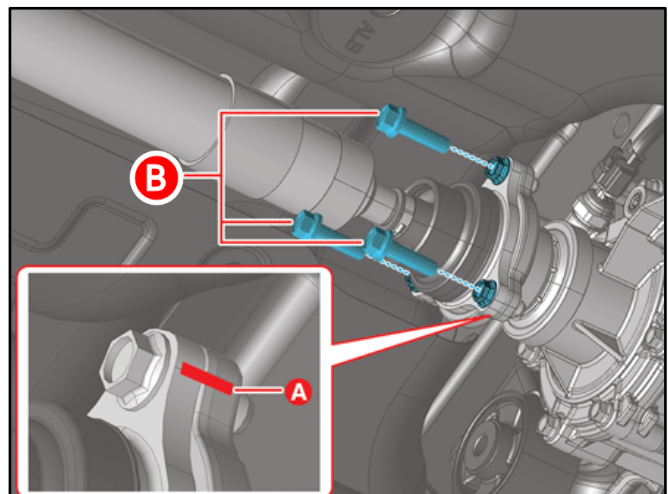
Mark the front transfer assembly and propeller shaft mounting position before removing the mounting bolts (B).



Tightening torque for propeller shaft bolts:
36.2 - 50.6 lb.ft (49.0 - 68.6 N.m)

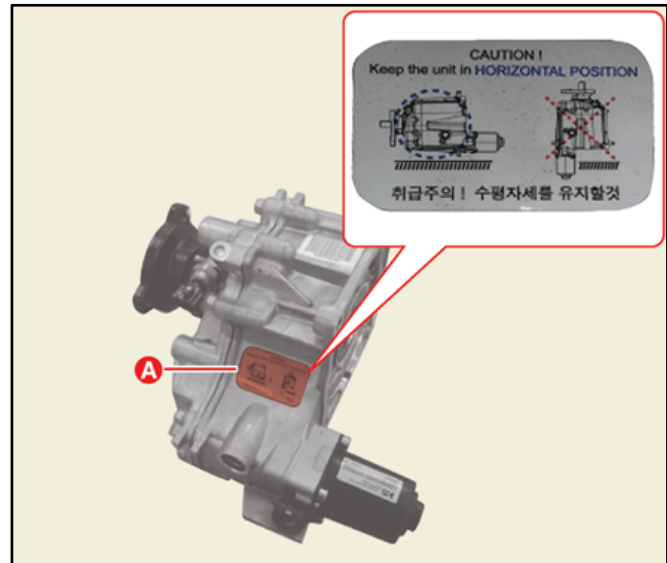
**TECH TIP**

Mark the rear tube rubber coupling and the rear differential companion mounting position before removing the mounting bolts (B).

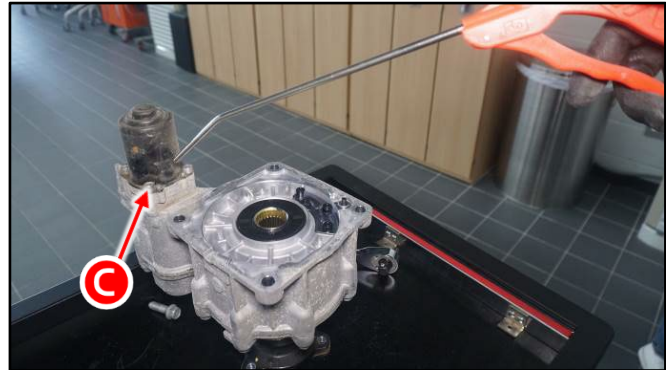


! CAUTION

DO NOT tilt the AWD/4WD coupling assembly on its side or remove the actuator with the coupling assembly installed on the vehicle as the existing oil may leak out.



2. Using an air gun, clean the exterior area of the AWD/4WD Coupling Actuator (C) to prevent any dust/debris entering the coupling assembly before dissassembly.



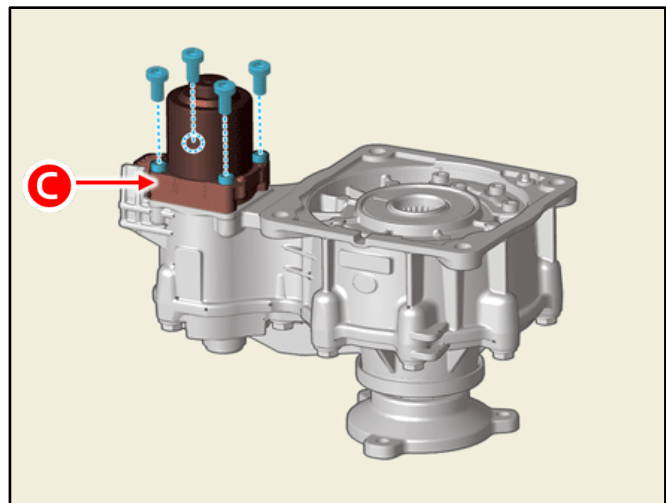
3. Loosen the four (4) bolts to remove the AWD/4WD Coupling Actuator (C).



Tightening torque for coupling actuator bolts:
7.2 - 8.7 lb.ft (9.8 - 11.8 N.m)

! IMPORTANT

DO NOT tip the 4WD coupling assembly on its side as the existing oil may leak out.



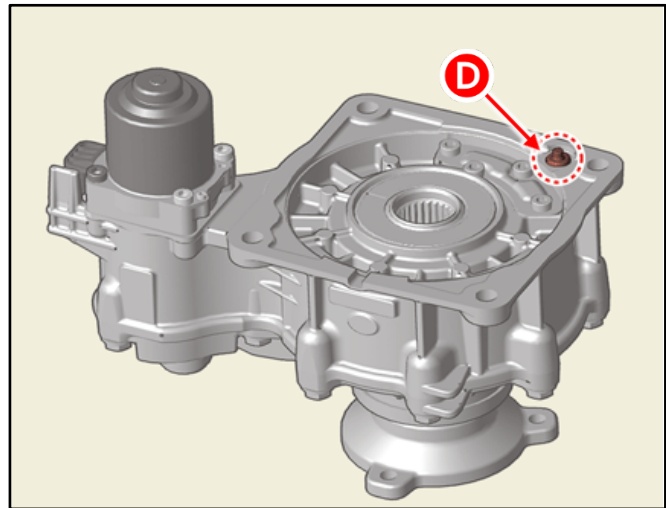
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- 4a. To avoid oil spillage from the actuator mounting area, press down on the air breather valve (D) to drain the accumulated oil back into the coupling assembly (A) housing.

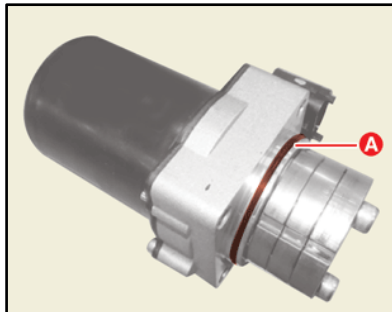
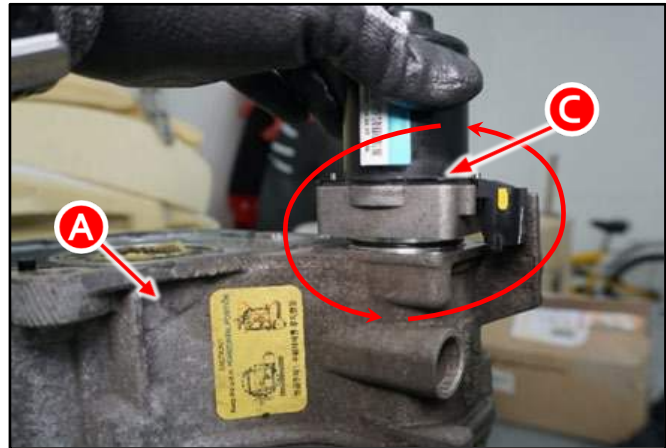
NOTICE

Drain the remaining oil from the coupling actuator (B) to the inside of the coupling assembly (A) as much as possible (roughly 5 - 10 seconds).



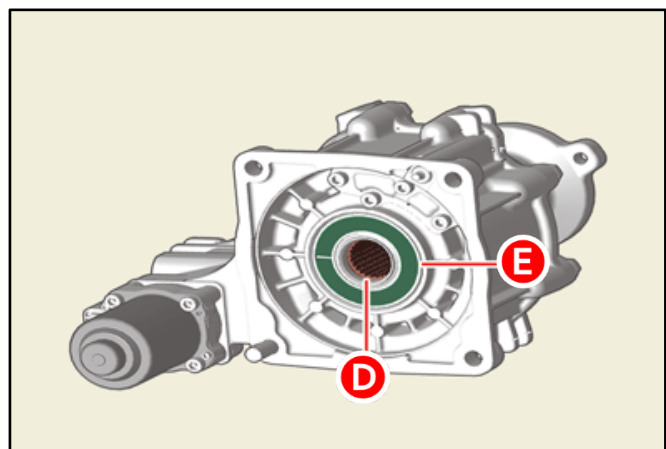
- 4b. To install the 'new' AWD/4WD Coupling Actuator (C) onto coupling assembly (A), slowly turn the actuator side to side while applying downward pressure.

Note: Lightly lubricate the O-ring prior to installing the new actuator.



- 5a. Apply a small amount of high-pressure grease to the spline hole (D) before installing the Coupling Assembly (A).

Note: Be careful not to damage the oil seal (E) when reinstalling the Coupling Assembly (A).



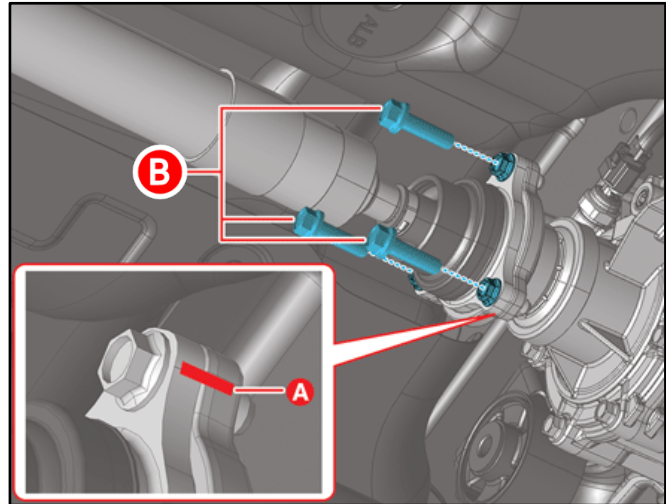
- 5b. Reinstall all removed parts in reverse order of removal.

Note: Install 'new' mounting bolts (B) when reinstalling the propeller shaft.

❗ IMPORTANT

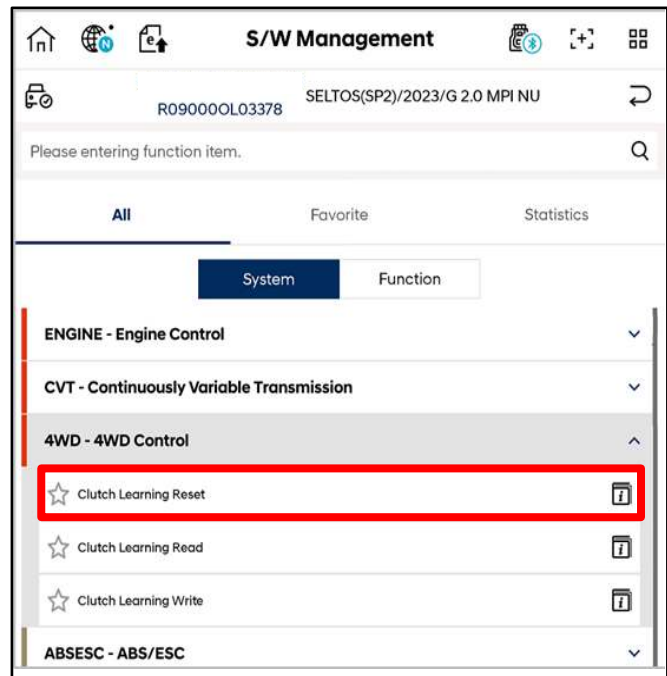
DO NOT reuse the 'old' removed propeller shaft mounting bolts (B).

Match the marks made on the front and rear of the propeller shaft done in step 1 before tightening the bolt when installing.



Tightening torque for propeller shaft bolts:
36.2 - 50.6 lb.ft (49.0 - 68.6 N.m)

6. Using the KDS 2.0, perform the 'Clutch Learning Reset' by referring to 'Expert Diagnosis → S/W Management → 4WD-4WD Control → Clutch Learning Reset'.



7. Confirm normal vehicle operation.

SUBJECT:

AWD/4WD COUPLING ACTUATOR REPLACEMENT (CA2503)**AFFECTED VEHICLE RANGE:**

Model	Production Date Range
Seltos (SP2)	February 14, 2023 to October 08, 2024

REQUIRED PART:

Part Name	Part Number	Figure	Qty.	Comments
AWD Coupling Actuator Assembly	47899 4G550QQK		1	N/A
Propeller Shaft Rear Bolts	49129 2B000QQK		3	
Propeller Shaft Front Bolts	11647 10256KQQK		4	
High-Pressure Grease	Locally Sourced	N/A	As Needed	Locally Sourced

Note: The replacement part numbers will require a VIN entry for parts ordering. **DO NOT** order these parts for stocking purposes, related to this TSB. Supply is very limited. Until supply stabilizes, please confirm part availability before scheduling customers. Please be sure to expedite warranty claim filing.

WARRANTY INFORMATION:

N Code: N99 C Code: C99

Claim Type	Causal P/N	Qty.	Repair Description	Labor Op Code	Op Time	Replacement P/N	Qty.
V	47899 4G500	0	AWD/4WD Coupling Actuator Replacement	240247R0	0.8 M/H	47899 4G550QQK	1
						49129 2B000QQK	3
						11647 10256KQQK	4

Note: When substitute transportation is provided, manually enter sublet code 'X2' for rental expense reimbursement or one roundtrip rideshare expense. A [Vehicle Diagnosis Number \(VDN\)](#) must be created for DTC's prior to ordering parts and performing necessary procedure(s), as outlined in this TSB. If a VDN is not created, Parts Ordering and Warranty claim submission issues **WILL** occur. Any claims for replacement parts are subject to Warranty review and chargeback.