



GROUP	MODEL
ELE	2023MY Sportage (NQ5a)
NUMBER	DATE
256 (Rev 1, 06/03/2022)	May 2022

## TECHNICAL SERVICE BULLETIN

SUBJECT: **SERVICE ACTION: TRANSMISSION WIRE HARNESS UPGRADE AND RELATED DTC P07XX, P0880 (SA499)**

### NOTICE

**This bulletin has been revised to include additional information. New/revised sections of this bulletin are indicated by a black bar in the margin area.**

This bulletin provides information to upgrade the transmission wire harness on some 2023MY Sportage (NQ5a) vehicles produced from January 12, 2022 through June 1, 2022, in which the wire harness may rub against the shift cable bracket bolt and in some cases, cause the wiring to become chaffed and create an intermittent ground against the bolt. This condition can potentially cause the MIL to come ON with DTC(s) P07XX and/or P0880 and may cause the vehicle to default into 5th gear. The vehicle can continue to be operated in default mode (5th gear), but it will accelerate slowly. Follow the procedure outlined in this publication to upgrade the transmission harness. Before conducting the procedure, verify that the vehicle is included in the list of affected VINs.



### NOTICE

**A Service Action is a repair program without customer notification that is performed during the warranty period. Any dealer requesting to perform this repair outside the warranty period will require DPSM approval.**

**Repair status for a VIN is provided on WebDCS (Service → Warranty Coverage → Warranty Coverage Inquiry → Campaign Information). Not completed Recall / Service Action reports are available on WebDCS (Consumer Affairs → Not Completed Recall → Recall VIN → Select Report), which includes a list of affected vehicles.**

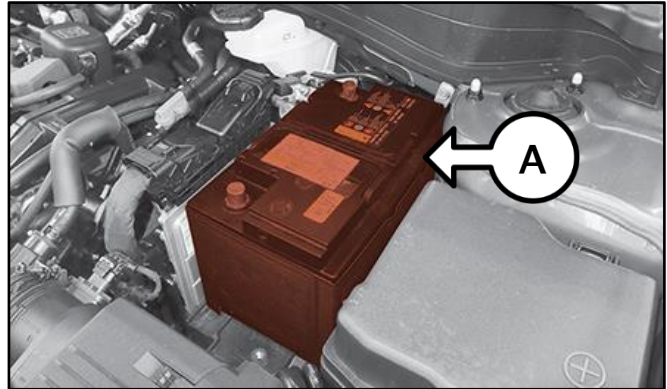
**This issue number is SA499.**

SUBJECT:

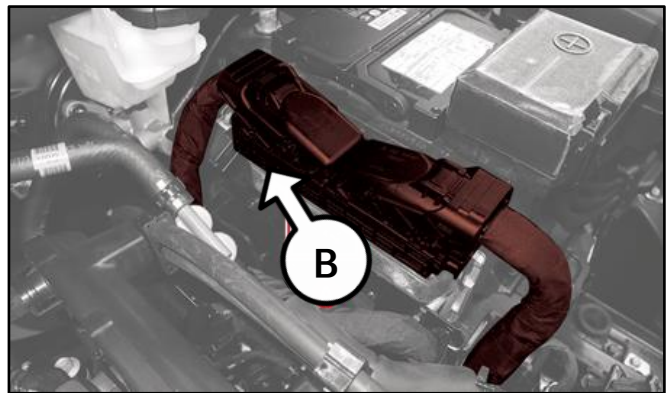
## TRANSMISSION WIRE HARNESS UPGRADE AND RELATED DTC P07XX, P0880 (SA499)

### Repair Procedure:

1. Remove the battery (A) by referring to the "Engine Electrical System → Charging System → Battery → Removal and Installation" procedure in the applicable Shop Manual on KGIS.

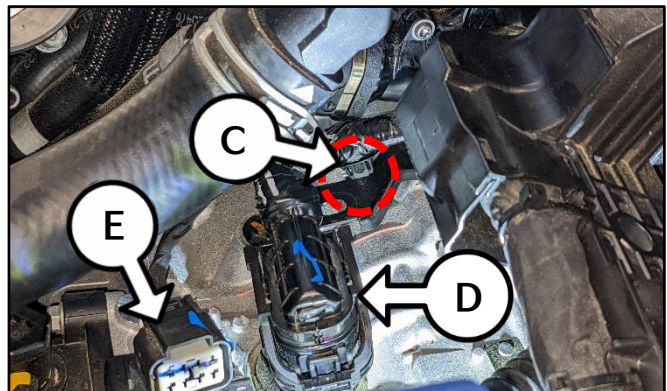


2. Remove the engine control module (ECM) (B) by referring to the "Engine Control System / Fuel System → Engine Control System → Engine Control Module (ECM) → Removal and Installation" procedure in the applicable Shop Manual on KGIS.



**Note:** The ECM bracket does not need to be removed.

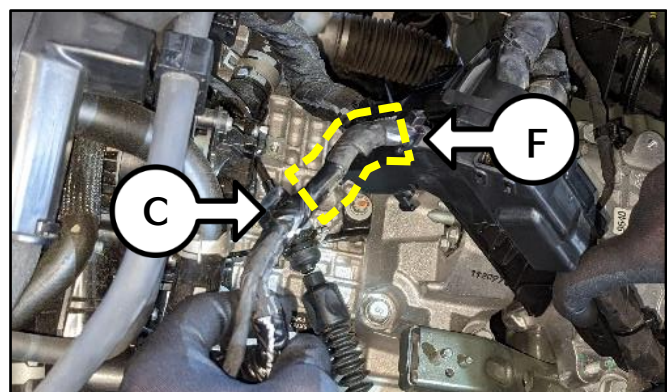
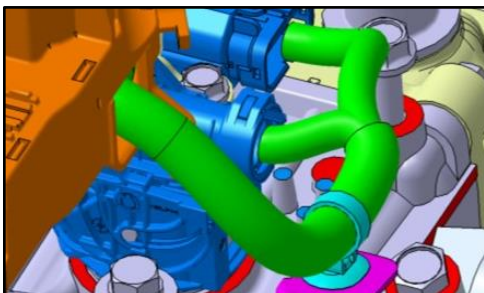
3. Detach the transmission control harness clip (C) and disconnect the two (2) transmission connectors (D) and (E).



#### **ⓘ IMPORTANT**

Confirm that no other connectors are detached in the surrounding work areas.

4. Locate the repair area shown between the harness clip (C) and zip tie (F).



SUBJECT:

## TRANSMISSION WIRE HARNESS UPGRADE AND RELATED DTC P07XX, P0880 (SA499)

### ❗ IMPORTANT

If damage to the wire insulation is found, wrap the affected wire(s) with electrical tape prior to continuing with the repair procedure below.

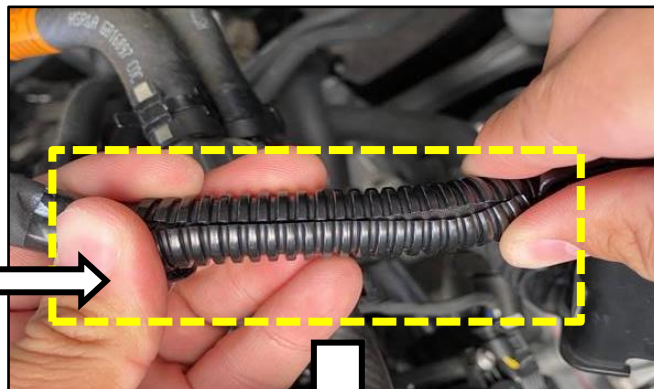
5. Cut a piece of the plastic conduit flex tubing to 90mm (3.5" inch) in length.

**Note:** Use high temp (275° F) ½" inch (13mm) plastic conduit flex tubing.

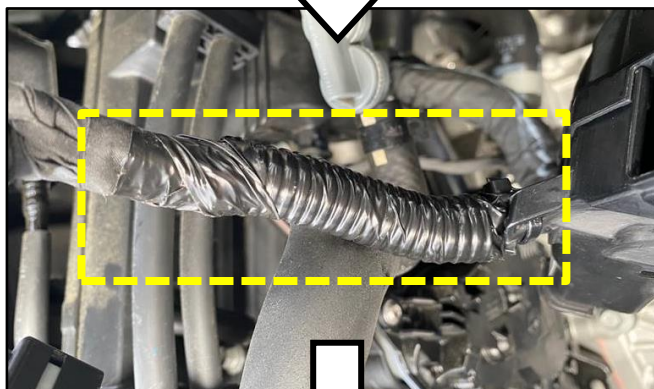
Source: (P/N FLX-5007T) THE HOME DEPOT®



6. Cover/wrap the repair area of the control harness using the plastic conduit tubing as shown.



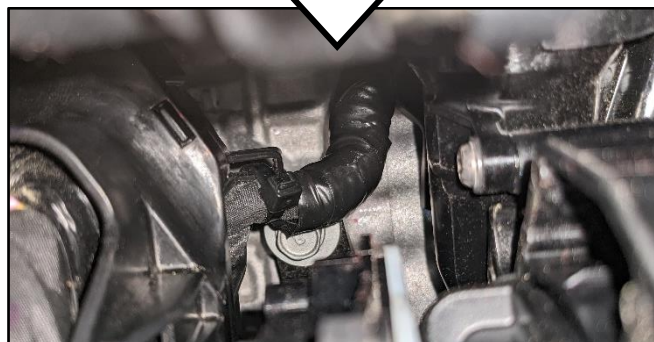
7. Adhere high-temperature 3M™ electrical tape around the entire length of the plastic conduit tubing as shown.
8. Reinstall all removed parts in the reverse order of removal.



### ⚠ CAUTION

Ensure that ALL related and surrounding connectors are inserted securely during re-assembly. A softset or poor connection may cause a no start condition.

9. Confirm that the control harness is not in contact with the shift cable bracket bolt and normal operation of the vehicle.





**SUBJECT: TRANSMISSION WIRE HARNESS UPGRADE AND RELATED DTC P07XX, P0880 (SA499)**

**AFFECTED VEHICLE RANGE:**

Model	Production Date Range
Sportage (NQ5a)	January 12, 2022 to June 1, 2022

**REQUIRED PART:**

Part Name	Part Number	Figure	Qty.
Plastic Conduit 1/2" Flex Tubing	N/A*		1
Hi-Temp Electrical Tape	N/A*		

\*Dealers should source high temp (275° F) wire harness conduit and high temp (221° F) 3M™ Scotch® electrical tape at local parts store.

**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	91420 DW120	0	(SA499) Transmission Control Harness Rework	220A06R0	0.5 M/H	N/A	0
			(SA499) Transmission Control Harness Rework and Wire Repair and Clear DTC(s)	220A06R1	0.8 M/H		

**Note:** Use sublet code 'X1' for reimbursement of 1/2" plastic conduit tubing and hi-temp electric tape used in course of this repair (maximum allowance of \$1.00).

**NOTICE**

VIN inquiry data for this repair is provided for tracking purposes only. Kia retailers should reference **SA499** when accessing the WebDCS system.

