HYUNDAI Technical Service Bulletin	GROUP **RECALL**	NUMBER **25-01-036H**
	DATE **MAY 2025**	MODEL(S) **PALISADE (LX2)**

SUBJECT: ELECTRONIC OIL PUMP (EOP) CONTROLLER REPLACEMENT (RECALL 278)

✶ IMPORTANT

Vehicle repairs related to safety recalls are critically important and must be performed properly in accordance with TSB procedures. Review this bulletin in its entirety prior to beginning any repair work.

As required by federal law, dealers must not deliver new vehicles for sale or for lease to customers until all open recalls have been performed. Dealers must also perform all open recalls on used vehicles, demo, and rental vehicles prior to placing them into customer use and whenever an affected vehicle is in the shop for any maintenance or repair.

Access the “Vehicle Information” screen via WebDCS to identify open recalls.

Description: The Idle Stop and Go Electronic oil Pump (ISG EOP) used in certain 2025MY Palisade (LX2) vehicles may have been produced with insufficient hermetic sealing on the controller housing due to damaged tooling. An insufficient seal could allow moisture ingress and contamination on the controller PCB, increasing the risk of electrical shorting and subsequent thermal damage. Thermal damage to the EOP controller circuitry can increase the risk of a vehicle fire if unaddressed. Follow the procedures in this TSB to replace the EOP controller.

Applicable Vehicles (Certain):

- 2025MY Palisade (LX2) produced from 02/03/2025-02/24/2025

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	Figure	Remarks
Palisade (LX2)	ISG EOP Controller	46110-4G5ASQQH		Qty:1

Required Equipment/Supplies:

Name	Figure	Remarks
T25 Torx Wrench		Commercially Available

Warranty Information:

Model	Op. Code	Operation	Op. Time	Causal Part	Nature Code	Cause Code
Palisade (LX2)	51D133R0	Electronic Oil Pump Controller Replacement	0.5 M/H	46110-4G500	I14	ZZ1

NOTE 1: Submit claim on Claim Entry Screen as “Campaign” type.
NOTE 2: If a part is found in need of replacement while performing this recall 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 3: This TSB includes repair validation photos. Op times include VIN, Mileage, and repair validation photo(s) as outlined in the Digital Documentation Policy.
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:

DIGITAL DOCUMENTATION

This TSB includes repair validation photos. Refer to the latest Warranty Digital Documentation Policy for requirements.

NOTICE

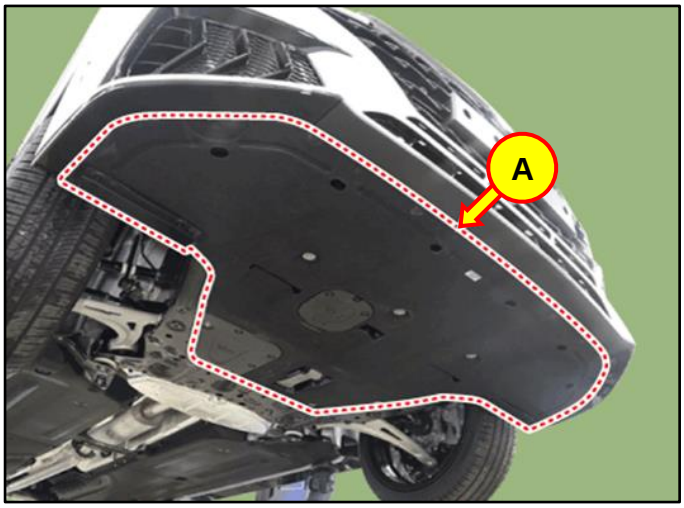
Applying the recommended torque to all fasteners is essential to reduce potential issues from occurring after the service procedure.

1. Turn ignition **OFF** and disconnect the negative (–) battery cable.

2. Raise vehicle on a lift and remove the engine room under cover (A).

   Refer to the shop manual:

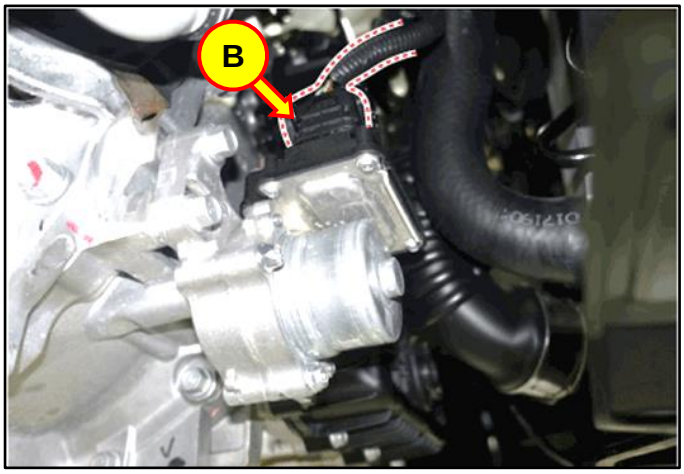
   - **Engine Mechanical System > Engine And Transaxle Assembly > Engine Room Under Cover > Repair procedures**



Tightening Torque:

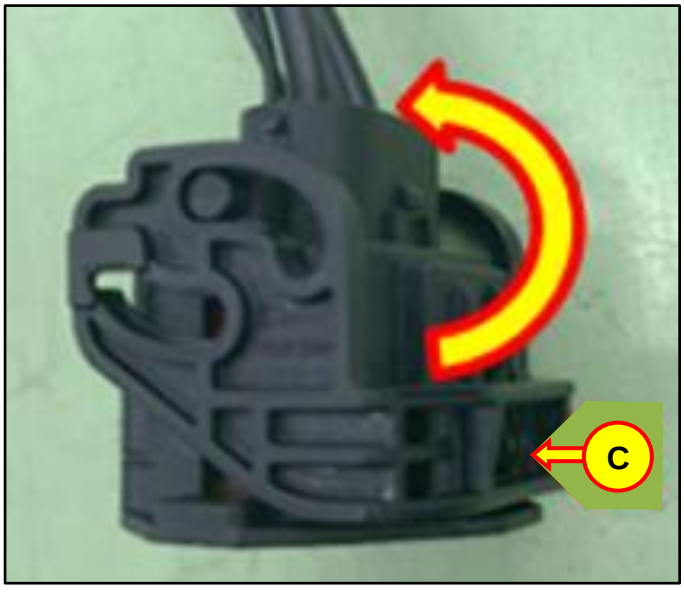
lb-ft	6.5
lb-in	78
N.m	8.8

3. Disconnect the EOP connector (B).



Information

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



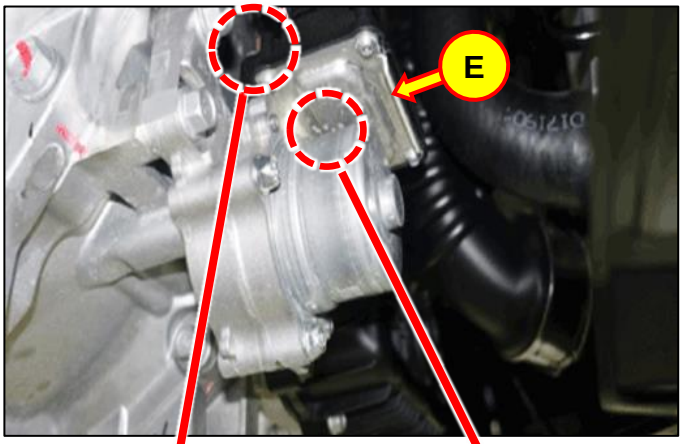
NOTICE

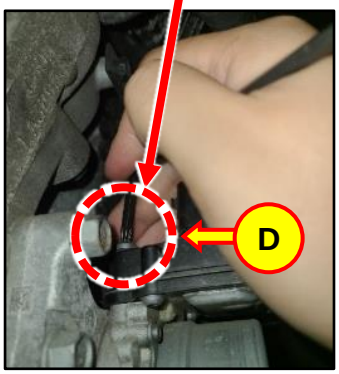
Ensure the connector remains clean and is covered after it is disconnected.

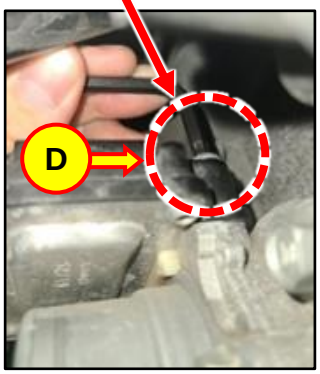
4. Remove the **2** EOP Controller bolts (D) using the Torx wrench and remove by pushing the EOP Controller up (E).

Tightening Torque:

lb-ft	6.5
lb-in	78
N.m	8.8

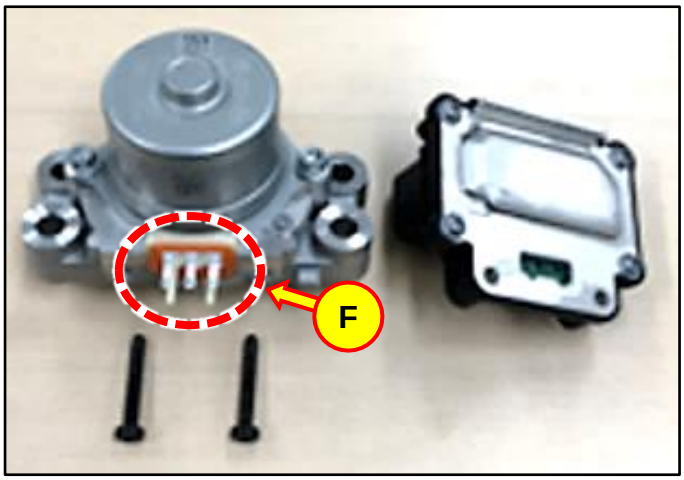






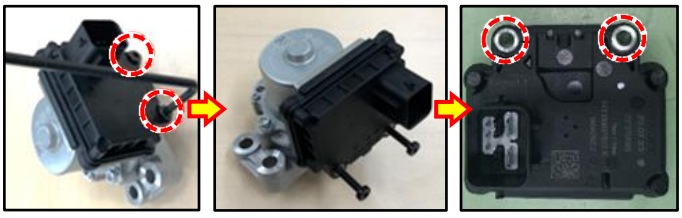
NOTICE

Be careful **NOT** to damage the terminals (F) on the motor during removal of the controller.



Information

Refer to the bolt locations shown in the photos on the right.



5.

DIGITAL DOCUMENTATION

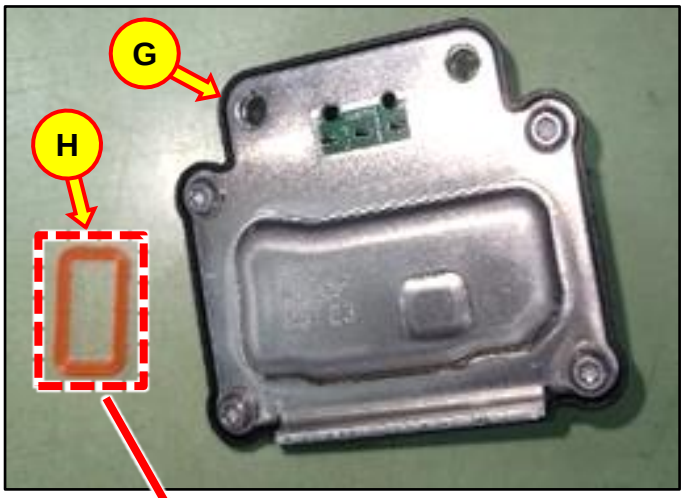
Using STUI, take a photo of the original EOP controller and new EOP controller side by side, clearly showing the stamped lot numbers, with the last 6 digits of the VIN and the date of repair on a piece of paper.

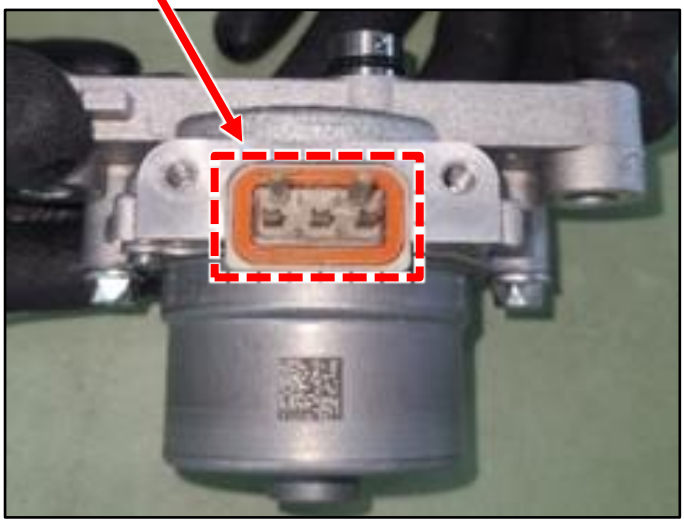
Upload the photo to STUI.

6. Install the new EOP Controller (G) onto the EOP. Then tighten the **2 bolts** and connect the EOP connector.

NOTICE

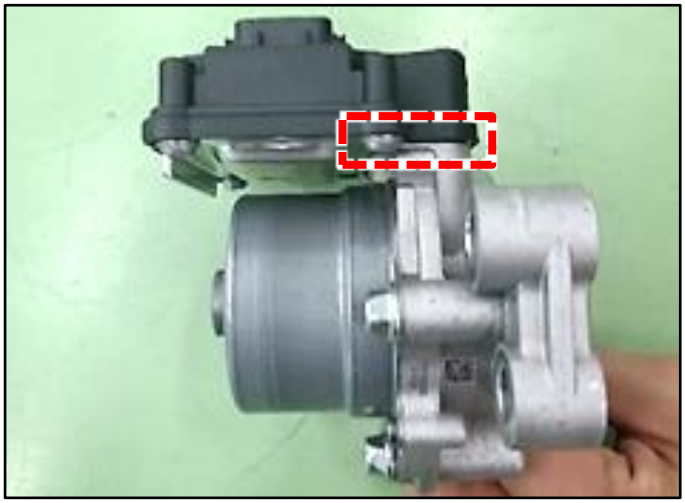
If the seal (H) remained attached to the original EOP Controller during removal, reinstall it to its correct sealing position on the EOP housing prior to installing the new EOP Controller.





NOTICE

Ensure there is **NO** gap between the EOP and the Controller when installed.



7. Reinstall all components in the reverse order of removal.

   Reconnect the negative (–) battery cable.

8. Service procedure is now complete.