



HYUNDAI

Technical Service Bulletin

GROUP RECALL	NUMBER 23-01-071H
DATE AUGUST 2023	MODEL(S) PALISADE (LX2)

SUBJECT: ELECTRIC OIL PUMP CONTROLLER INSPECTION AND REPLACEMENT (RECALL 246)

*** 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 transmission electric oil pump for the Idle Stop & Go System ("ISG") in certain Palisade (LX2) vehicles may have been assembled with printed circuit boards ("PCB") that were damaged during manufacturing by the oil pump controller supplier. A damaged capacitor on the pump controller PCB could impact electrical operation leading to heat damage to the electric oil pump circuit board, connector and wiring harness. The heat damage at the pump increases the risk of a vehicle fire in addition to a potential Controller Area Network ("CAN") communication disruption for multiple onboard controllers.

This bulletin provides the procedure to check the ISG Electric Oil Pump (EOP) controller specification and replace it if necessary.

APPLICABLE VEHICLES (Certain):


- 2023-24MY Palisade produced from 10/28/2022 – 06/27/2023

PARTS INFORMATION:

Model	Part Name	Part Number	Figure	Qty
Palisade (LX2)	Controller	46110-2F0ASQQH		1

NOTE: Replace only the controller.

TOOL REQUIRED:

Part Name	Figure
T25 TORX Wrench or ratchet	

WARRANTY INFORMATION:

Model	Op Code	Operation	Op Time	Causal Part	Nature Code	Cause Code
Palisade (LX2)	31D094R0	EOP controller inspection	0.3 M/H	46110-2F0ASQQH	I14	ZZ1
	31D094R1	EOP controller inspection and replacement	0.5 M/H			

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 photos 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.**

Refer to the link below for guided video information: <https://vimeo.com/856569490/2a45f0587a>

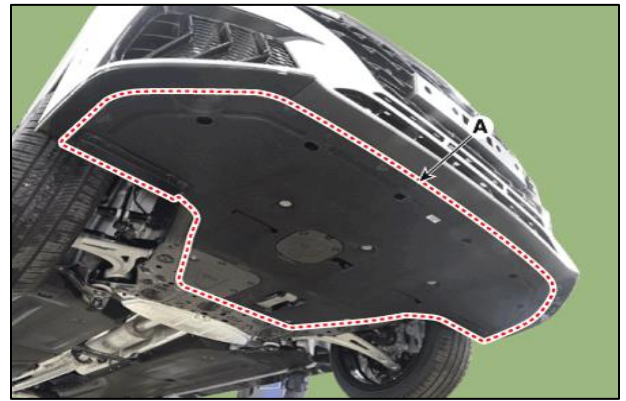
SERVICE PROCEDURE:

STUI

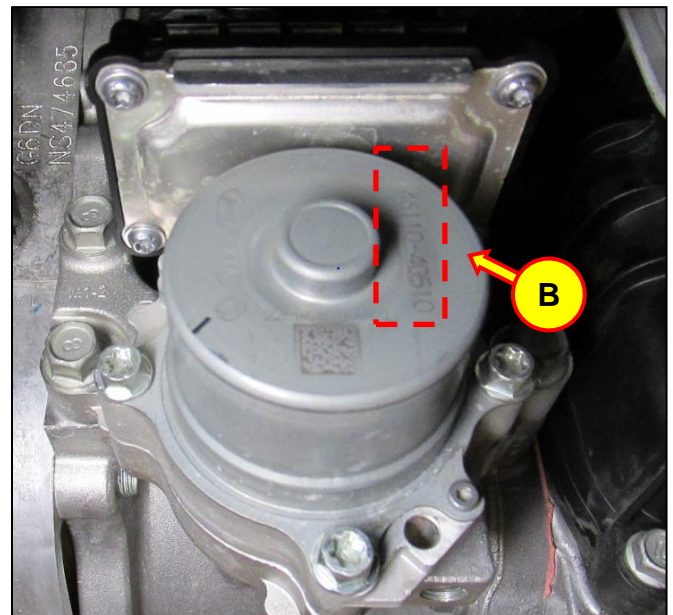
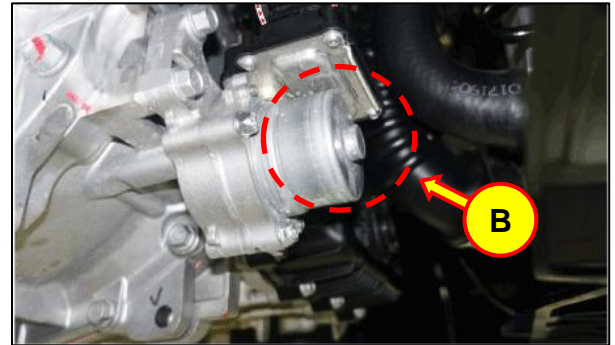


This TSB includes Repair validation photos. Refer to the latest Warranty Digital Documentation Policy for requirements.

1. Record the customer's radio presets.
Disconnect the negative battery cable.
Lift the vehicle on a hoist and remove the undercover (A).



2. Check the EOP controller part number.
- Use the part number of the part surface (B).
 - If the part number is as follows, take a STUI picture per the next page's directions and reinstall the undercover and return the vehicle.
46110-4G500, 46110-4G510
 - If the part number is as follows, go to next page to take the STUI picture, followed by Step 3 to replace the EOP controller.
46110-4G530

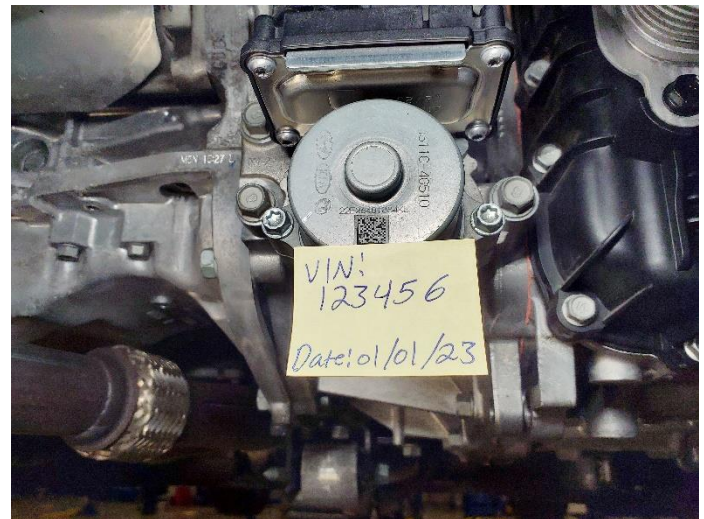


STUI



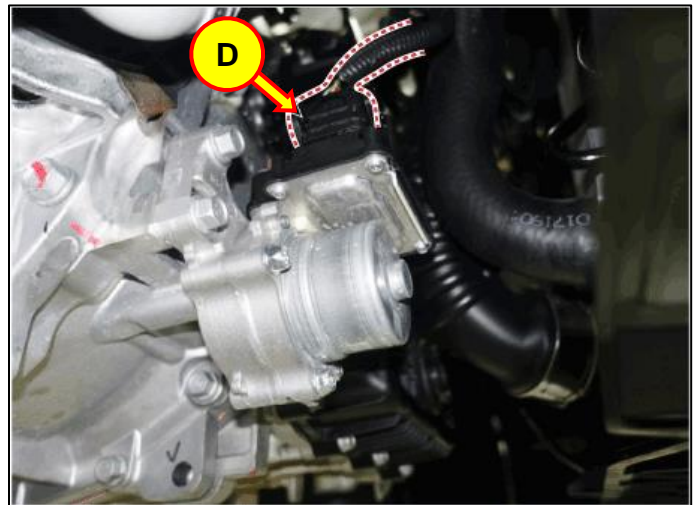
Using STUI, take a photo of the existing controller with the part number visible, including the last 6 digits of the VIN and date of the inspection on a piece of paper.

Upload the photo to STUI.



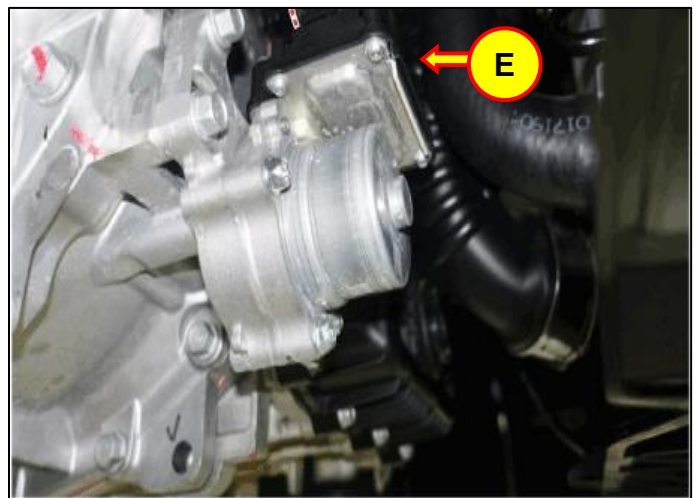
3. Disconnect the EOP connector (D).

NOTE: Release the connector hook and then pull it upward.



4. Loosen 2 EOP controller bolts using the wrench and remove the EOP controller (E).

NOTE: See the bolt location below:



STUI



Using STUI, take a photo of the new controller (right) next to the existing controller with the last 6 digits of the VIN and the date of the repair on a piece of paper.

Upload photo to STUI.



5. Confirm the orange seal is attached to the EOP.
Install a new controller and reinstall the bolts.

CAUTION

If the orange seal is separated when replacing the controller, make sure to install it onto the EOP.

CAUTION

Be careful not to make a gap with the EOP when installing the controller.



6. Reconnect the EOP connector.
7. Reconnect the negative battery cable.
Input the radio presets.
8. Start the engine and confirm no ATF leaks are found.
Reinstall the undercover.
Return the vehicle to the customer.