



HYUNDAI

Technical Service Bulletin

GROUP CAMPAIGN	NUMBER 24-01-066H
DATE AUGUST 2024	MODEL(S) SANTA FE HYBRID (MX5A HEV)

SUBJECT: COOLANT RESERVOIR LEAK INSPECTION AND REPLACEMENT
(SERVICE CAMPAIGN TCB)

* IMPORTANT

Dealers must perform this service campaign on all affected vehicles prior to customer retail delivery and whenever an affected vehicle is in the shop for any maintenance or repair.



Access the "Vehicle Information" screen via WebDCS to identify open campaigns.

Description: Certain 2024MY Santa Fe Hybrid (MX5A HEV) vehicles may produce a coolant leak from the coolant reservoir tank. This bulletin outlines the procedure to inspect and, if necessary, replace the coolant reservoir tank to correct the condition.

Applicable Vehicles (Certain):




- 2024MY Santa Fe Hybrid (MX5A HEV) vehicles produced from 03/06/2024 to 05/07/2024.

Parts Information:

Model	Part Name	Part Number	Figure	Remarks
Santa Fe Hybrid (MX5A HEV)	Coolant Reservoir Tank	25431-P7100QQH		Replace if leaking. <i>Re-use the coolant reservoir tank cap, hoses, and hose clamps</i>
	Pink Coolant	00232-19098WAR		Approximately ¼ gallon (1 quart) of coolant will be used due to loss of coolant during the coolant reservoir tank replacement

NOTE 1: Dealer will be reimbursed for 1 quart of coolant.

Required Equipment/Supplies:

Name	Figure		Remarks
Fluid Extractor (Hand or Pneumatic)			Standard Shop Supply <i>Used to remove coolant from the coolant tank reservoir.</i>
Hose Pinch Clamp Pliers			Standard Shop Supply <i>Used to clamp the lower coolant hose located on the coolant tank reservoir.</i>

Warranty Information:

Model	Op. Code	Operation	Op. Time	Casual Part	Nature Code	Cause Code
Santa Fe Hybrid	40D097R2	Coolant Reservoir Tank Leak Inspection	0.3 M/H	25430-P7000	L31	ZZ7
(MX5A HEV)	40D097R3	Coolant Reservoir Tank Leak Inspection and Replacement	1.0 M/H	25430-P7000		

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 campaign 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.**

NOTE 5: One (1) quart of coolant will be reimbursed under labor OP code 40D097R3.

Service Procedure:

STUI



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

A) Coolant Reservoir Tank Inspection

1. Remove the coolant reservoir tank cap (A).

CAUTION

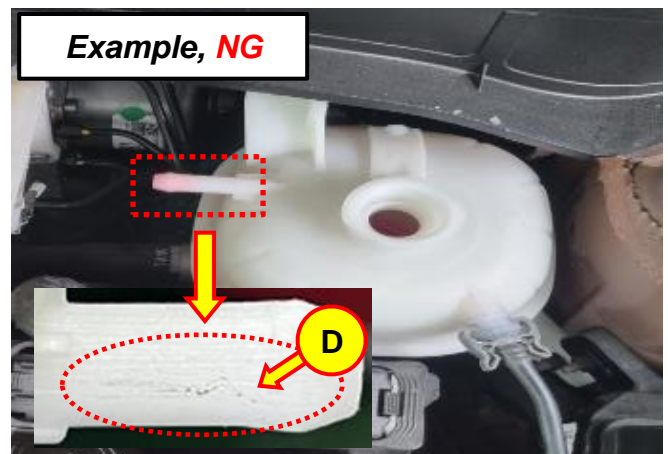
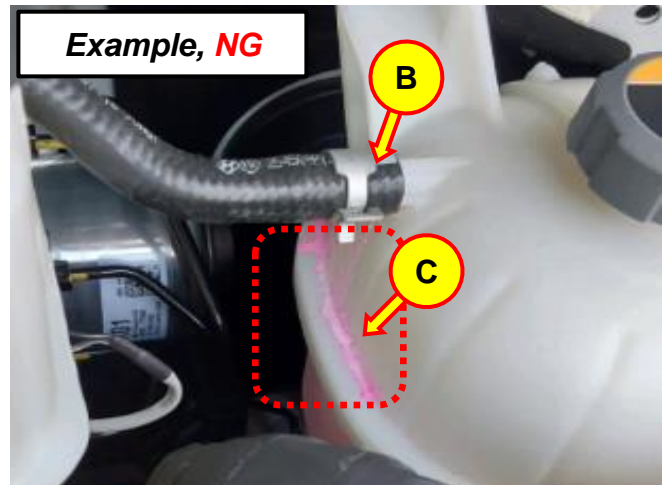
If the engine has been operated, the coolant may be hot. Be sure to allow sufficient time to cool prior to beginning this procedure.



2. Remove the reservoir tank hose (B) and check for any burrs, cracks, or coolant leaks (C) located at the tank flange (D).

Information

- If there is **NO** coolant leak, crack, or burr, then **STOP**. Do not continue with this service procedure in this TSB. Use OP Code **40D097R2** to finish the inspection procedure.
 - **Take a picture of the tank showing no coolant leaks / cracks / burrs as indicated in step 3b.**
 - **Reinstall all parts in reverse order.**
- If a coolant leaking condition is found at any of the indicated areas, then follow step 3a to take a STUI photo and replace the coolant reservoir tank in Section B. An additional photo will be required in Section B.
 - **Be sure to inspect for cracks and/or burrs at multiple locations along the flange (90°/180°/270°)**



- 3a. Document the coolant leaking, crack, or burr condition at the coolant reservoir tank and/or tank flange using STUI prior to reservoir replacement.

STUI



Using STUI, take a photo any burrs, cracks, or coolant leaks located at the tank flange with the last 6 digits of the VIN and the date of repair on a piece of paper.

Example, NG



- 3b. Document the coolant reservoir showing no coolant leaks / cracks / burrs.

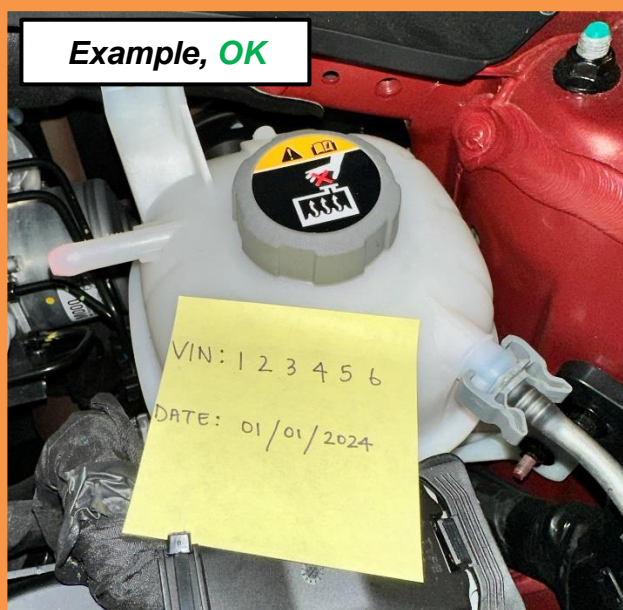
STUI



Using STUI, take a photo of the tank flange with the reservoir tank hose disconnected and the last 6 digits of the VIN and date of inspection on a piece of paper.

Upload the photo to STUI.

Example, OK



B) Coolant Reservoir Tank Replacement and Coolant Bleeding Procedure

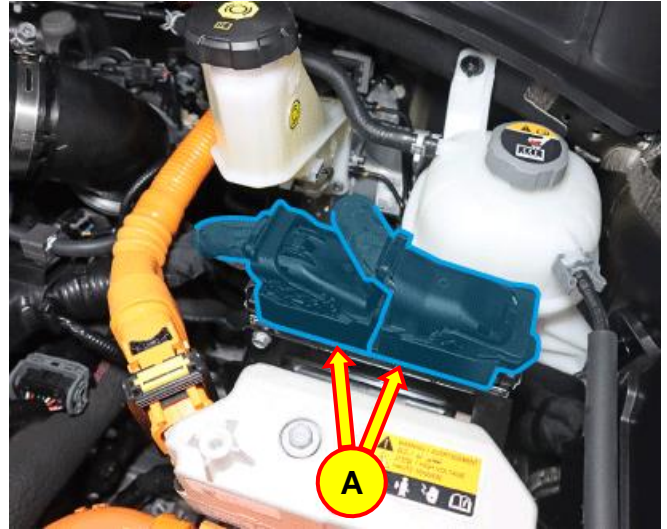
1. Disconnect the negative battery terminal, engine control module connectors (A) and remove the engine control module (ECM).

Refer to Shop Manual:

- **Engine Control / Fuel System > Engine Control System > Engine Control Module (ECM) > Removal**

NOTICE

Be sure to record the audio station presets (XM, AM, FM, etc.) prior to disconnecting the battery.



2. Using an evacuation tool, remove the coolant from the reservoir.

CAUTION

If the engine has been operated, the coolant may be hot. Be sure to allow sufficient time to cool prior to beginning this procedure.



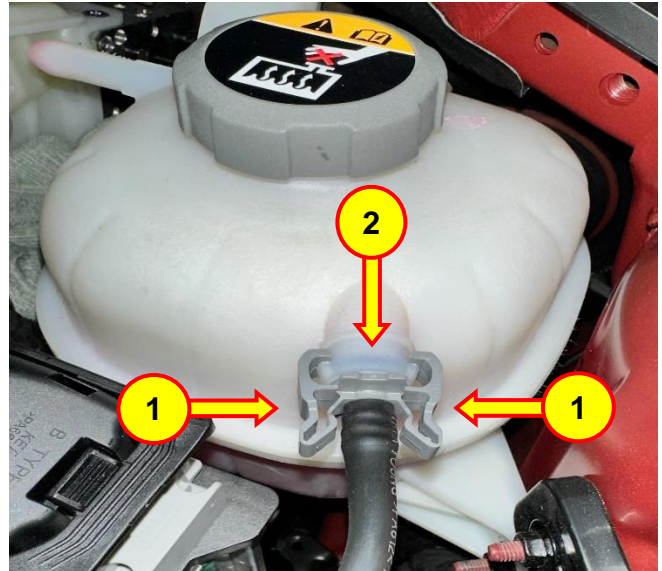
3. Remove the reservoir tank hose (B).



4. Remove the degassing hose from the reservoir tank.

NOTICE

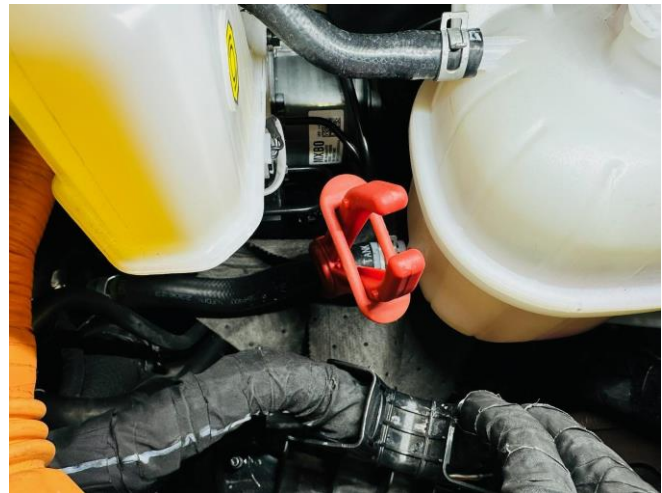
When disconnecting the degassing hose, separate in the order shown to the right.



5. Remove the lower cooling hose from the reservoir tank, remove the two fasteners holding the coolant tank reservoir, and remove the coolant tank reservoir.

NOTICE

- Place a hose pinch clamp plier on the lower hose before removing to prevent excess coolant loss.
- Place an absorbent mat underneath the coolant tank reservoir to capture any coolant that may escape.



- 6.

STUI



Using STUI, take a clear photo of the OLD part removed next to the NEW part in the bag with the 'QQH' label showing with the last 6 digits of the VIN and the date of repair on a piece of paper.

Upload the photo to STUI.



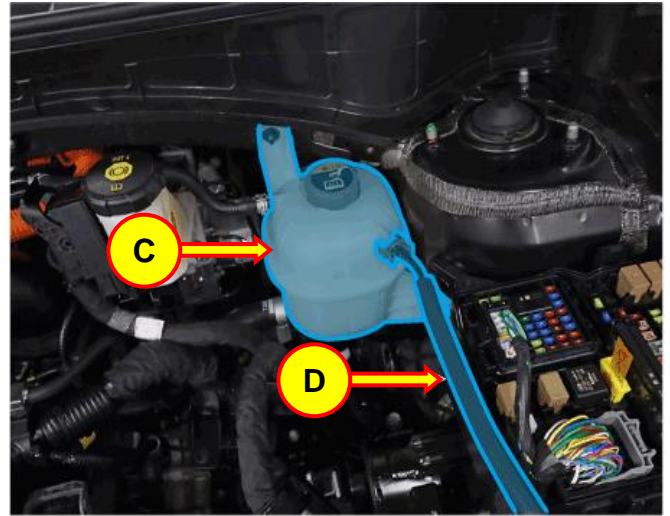
7. Install the new coolant reservoir tank in the reverse order of removal along with other disconnected or removed components (C & D).

NOTICE

Re-use the old coolant reservoir tank cap, hoses, and hose clamps.

Tightening Torque:

lb-ft	7.3
lb-in	87.0
N.m	9.8



8. Fill the coolant reservoir tank with coolant (E) as needed.

Refer to the Shop Manual:

- **Engine Mechanical System > Cooling System > Coolant > Supplement**

NOTICE

Be sure to follow the Integrated Thermal Module Coolant Filling Mode procedure. Failure to do so may result in air pockets and overheating of engine.



9. Start the engine and then check the coolant reservoir tank and hose connections for any leaks.
10. Adjust the coolant level as necessary to the MAX line and program the recorded radio presets.

NOTICE

Wipe off any remaining coolant residue that may have occurred during the reservoir tank replacement.

11. Service Procedure is now completed.