HYUNDAI **Technical Service Bulletin**	GROUP **DRIVESHAFT & AXLE**	NUMBER **24-DS-002H**
	DATE **MAY 2024**	MODEL(S) **SANTA FE (MX5A)** **SANTA FE HYBRID (MX5A HEV)**
SUBJECT: FUEL TANK HEAT PROTECTOR NOISE INSPECTION AND ADJUSTMENT		

Description: Certain AWD 2024MY Santa Fe (MX5A) and Santa Fe Hybrid (MX5A HEV) vehicles may experience scraping, rubbing, and/or grinding noise coming from underneath and rear of the vehicle under acceleration and turns due to interference between the propeller shaft and fuel tank heat protector.

Follow the procedure outlined below to inspect, adjust the fuel tank heat protector, and apply paint to the affected areas.

Applicable Vehicles:

- 2024MY Santa Fe (MX5A) and Santa Fe Hybrid (MX5A HEV) vehicles equipped with AWD produced between 1/11/2024 – 4/17/2024.

Circulate To: General Manager, Service Manager, Parts Manager, Warranty Manager, Service Advisors, Technicians, Body Shop Manager, Fleet Repair

Required Equipment/Supplies:

Name	Figure	Remarks
Krylon High Heat Spray Paint (Black) K01707077		1 Can (12 ounces) can treat about 10 vehicles. **Use any commercially available anti-rust paint that has the same specifications as listed in Note 2 below.*
Safety Goggles		Standard Shop Supply
Tape		
Plastic Bags		
Gloves		
Ruler		

NOTE 1: The spray paint products can be purchased at local/online retailers.
NOTE 2: The spray paint products must prevent rust and resist oil, gas, and grease in high temperature environments.

Warranty Information:

Model	Op. Code	Operation	Op. Time	Causal Part	Nature Code	Cause Code
Santa Fe (MX5A) Santa Fe Hybrid (MX5A HEV)	31220FF0	FUEL TANK HEAT PROTECTOR NOISE INSPECTION AND ADJUSTMENT	0.7M/H	31220-R6300	Q51	ZZ1

NOTE 1: Normal warranty applies.
NOTE 2: Submit claim on Claim Entry Screen as “Warranty” type.
NOTE 3: Take a picture of the warrantable defect. Op times include VIN, Mileage, and Repair validation photo(s) as outlined in the Digital Documentation Policy.
NOTE 4: Include cost/usage of spray in sublet as part of claim submission for reimbursement.
NOTE 5: If a part is found in need of replacement while performing this TSB 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.

Service Procedure:

STUI

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

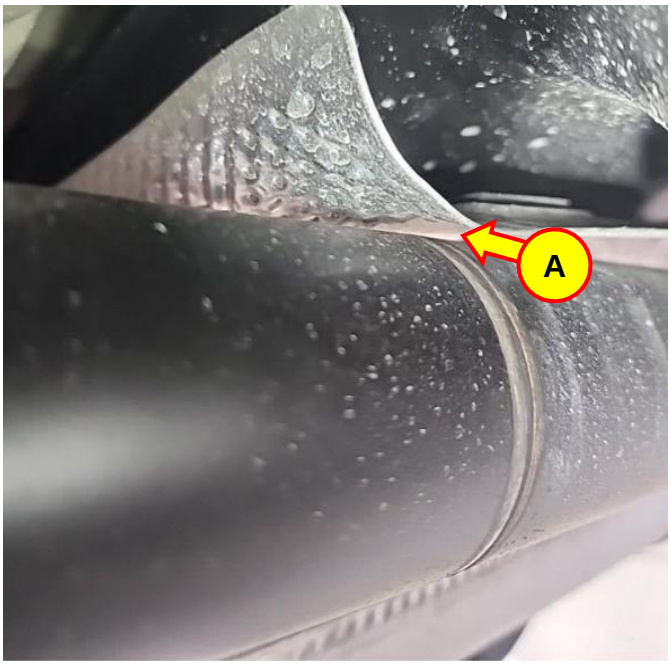
(A) NOISE INSPECTION

1. Test drive the vehicle and determine if a scraping, rubbing, and/or grinding noise is coming from underneath and rear of the vehicle under acceleration and turns.

2. If noise is present, place the vehicle in N (Neutral), lift the vehicle and check for interference between the heat shield on the fuel tank and propeller shaft (A).

   Refer to the shop manual:

   - **General Information > Lift and Support Points > General Information**



Information

- There may be wear marks caused on the propeller shaft due to interference. Some marks may be more visible than others.
- Follow the service procedure below to re-adjust the fuel tank heat protector.

Follow the procedure on the Owners Manual to place the vehicle in Neutral.

Refer to the owners manual:

- **Hyundai Tech Info > OM > Page 6-13 for Hybrid and 6-14 for Non-Hybrid > To stay in N (Neutral) when vehicle is OFF**

Information

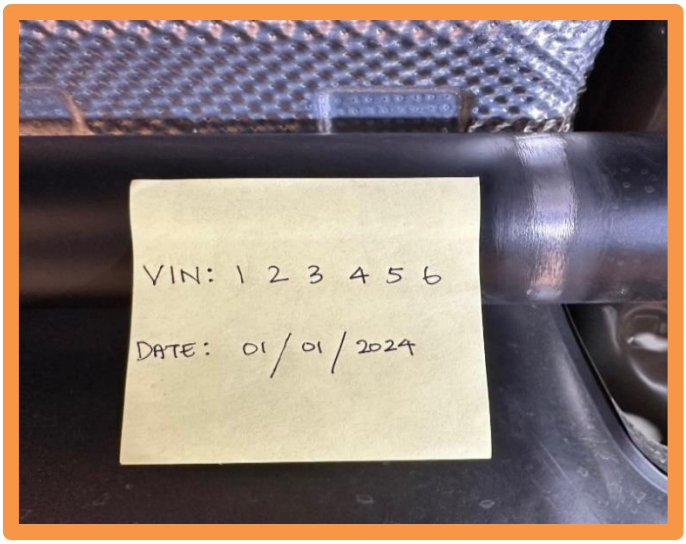
- Close the front driver door latch actuator prior to performing the procedure to allow the vehicle to stay in neutral with the driver door slightly open.

3.

STUI

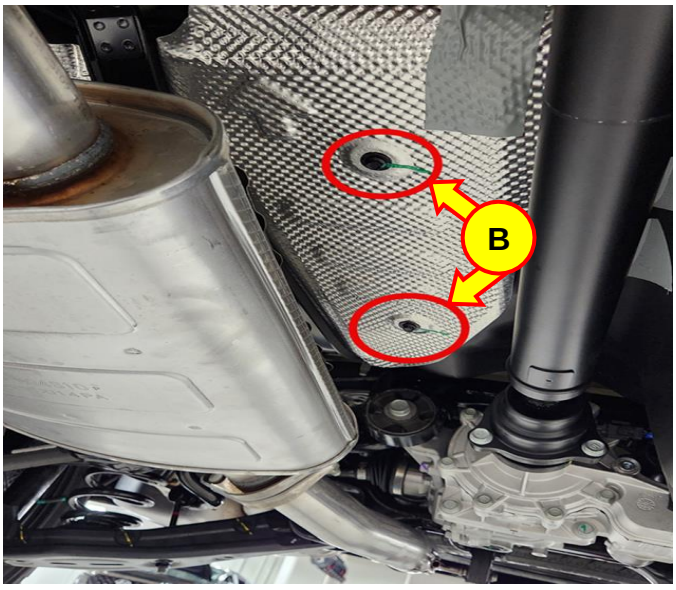
Using STUI, take a photo of the wear marks caused by interference between the fuel tank protector and propeller shaft with the last 6 digits of the VIN and the date of repair on a piece of paper.

Upload the photo to STUI.



(B) FUEL TANK HEAT PROTECTOR ADJUSTMENT

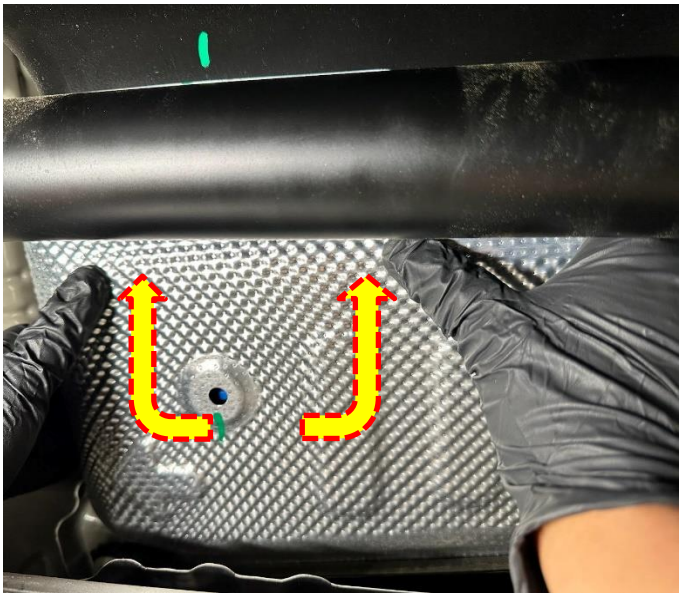
1. Loosen and remove the two fasteners holding the fuel tank heat protector to the fuel tank (B).



Tightening Torque:

lb-ft	3.3
lb-in	39.0
N.m	4.5

2. Once removed, apply upward force on the affected areas to adjust the heat protector away from the propeller shaft as shown in the picture to the right.

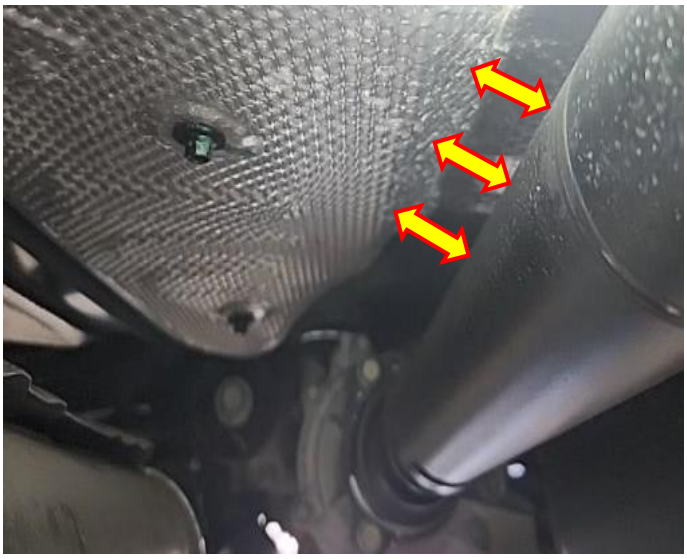


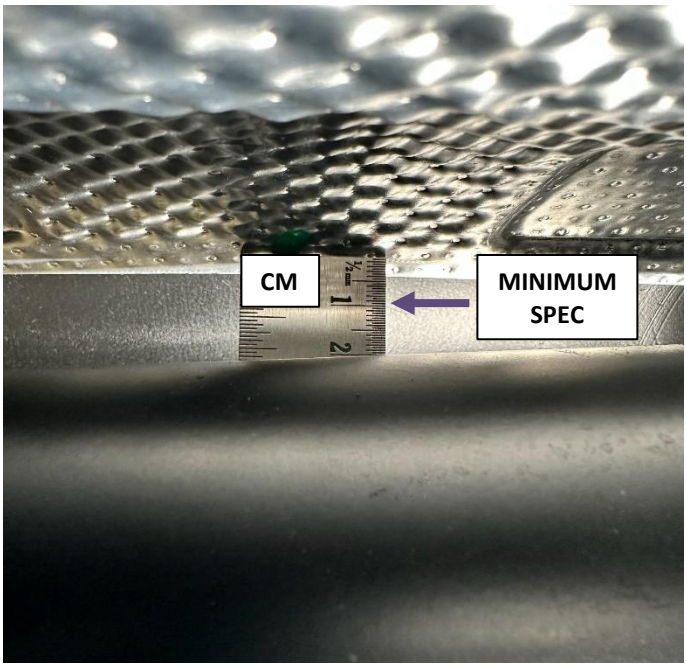
3. Re-attach the heat protector to the fuel tank and verify the minimum clearance using a ruler. Rotate the propeller shaft slowly by hand and verify the noise concern.

Minimum Clearance Specification:
10 MM or 1 CM

- If the noise is still **present**, repeat Steps 1 - 2 to re-adjust the fuel tank heat protector.

- If the noise has been eliminated, proceed to **Section C** to apply paint on the affected areas of the propeller shaft.





(C) PAINT APPLICATION

DANGER

- **This procedure must be performed in a well-ventilated area.**
- **Must wear safety goggles, face protection, and gloves. Rinse eyes with water or skin with soap and water. Do not inhale spray. Seek medical attention if needed.**
- **Flammable & pressurized. Do not spray near flames, sparks, or heated areas. Do not pierce can.**

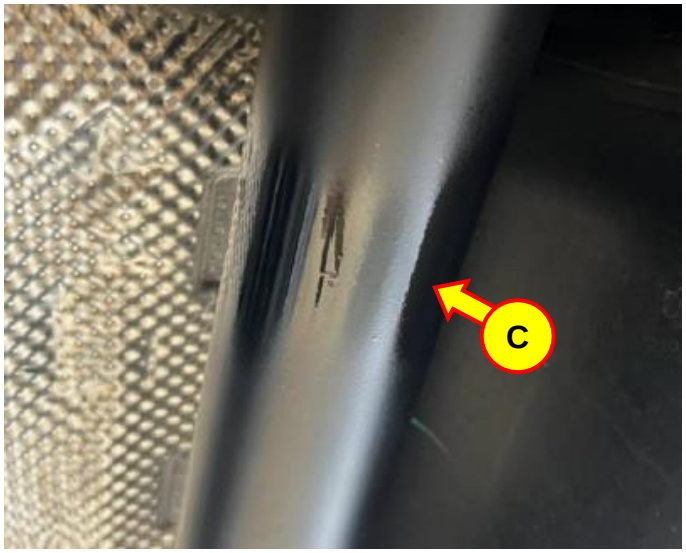
1. Using a damp shop towel, wipe the scuffed areas on the propeller shaft of any debris, dirt, or dust.

2. Apply tape to the area slightly larger than the scuffed area on the propeller shaft, as well as the area behind the the propeller shaft to prevent overspray.

3. Apply a light film of spray paint on the affected area, slowly rotating the propeller shaft until all affected areas have been covered (C).

Information

- Paint approximately 10-12 inches away from the affected area to prevent paint drip.
- Allow 10 minutes for the painted area to dry before performing a final test drive.



4. Perform a short road test to confirm the vehicle has been repaired.

5. Service Procedure is now completed.