



# TECHNICAL SERVICE BULLETIN

## 4WD - Grinding/Rubbing Noise Under Acceleration From Floor Pan/Underbody Area

22-2161

26 April 2022

This bulletin supersedes 19-2377.

### Model:

<b>Ford</b> 2021-2022 Bronco Sport
2020-2022 Escape
2022 Maverick
<b>Lincoln</b> 2020-2022 Corsair

### Summary

This article supersedes 19-2377 to update the vehicles and model years affected.

**Issue:** Some 2020-2022 Escape/Corsair, 2021-2022 Bronco Sport, 2022 Maverick vehicles equipped with 4-wheel drive (4WD) may exhibit a grinding/rubbing noise from floor pan/underbody area. This noise will be most noticeable on tip-in acceleration and may be due to a mispositioned fuel tank heat shield. To correct the condition, follow the Service Procedure to reposition the fuel tank heat shield.

**Action:** Follow the Service Procedure to correct the condition on vehicles that meet all of the following criteria:

- One of the following vehicles:
  - 2020-2022 Escape/Corsair
  - 2021-2022 Bronco Sport
  - 2022 Maverick
- 4WD
- Rubbing/grinding noise, noticeable on tip in acceleration, from the passenger floor pan/under body area

**Warranty Status:** Eligible under provisions of New Vehicle Limited Warranty (NVLW)/Service Part Warranty (SPW)/Special Service Part (SSP)/Extended Service Plan (ESP) coverage. Limits/policies/prior approvals are not altered by a TSB. NVLW/SPW/SSP/ESP coverage limits are determined by the identified causal part and verified using the OASIS part coverage tool.

### Labor Times

Description	Operation No.	Time
2020-2022 Escape/Corsair, 2021-2022 Bronco Sport 4WD: Inspect And Modify The Fuel Tank Heat Shield Following The Service Procedure (Do Not Use With Any Other Labor Operations Outside Of This Article)	222161A	0.3 Hrs.
2022 Maverick 4WD: Inspect And Modify The Fuel Tank Heat Shield Following The Service Procedure (Do Not Use With Any Other Labor Operations)	222161B	0.3 Hrs.
2021-2022 Bronco Sport: Additional Time To Remove And Install The Fuel Tank Underbody Hard Shields If Equipped (Can Be Claimed With Operation A)	222161C	0.4 Hrs.

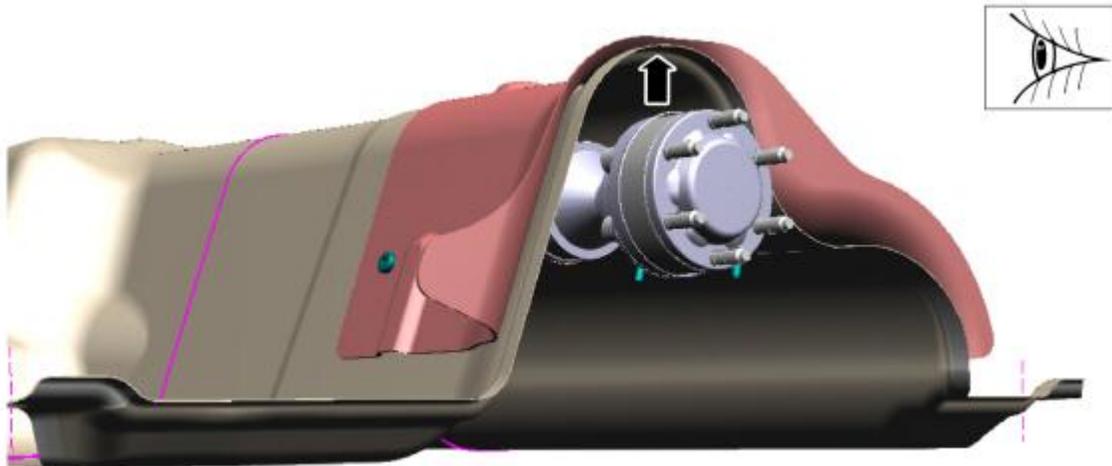
### Repair/Claim Coding

Causal Part:	58114B06
Condition Code:	07

## Service Procedure

1. Visually inspect the fuel tank heat shield to see if there are witness marks from where the driveshaft has made contact with the fuel tank heat shield.
2. Are there signs of witness marks from the driveshaft contacting the fuel tank heat shield? (Figure 1)
  - (1). Yes - proceed to Step 3.
  - (2). No - this article does not apply. Refer to Workshop Manual (WSM), Section 100-04 for normal diagnostics.

Figure 1

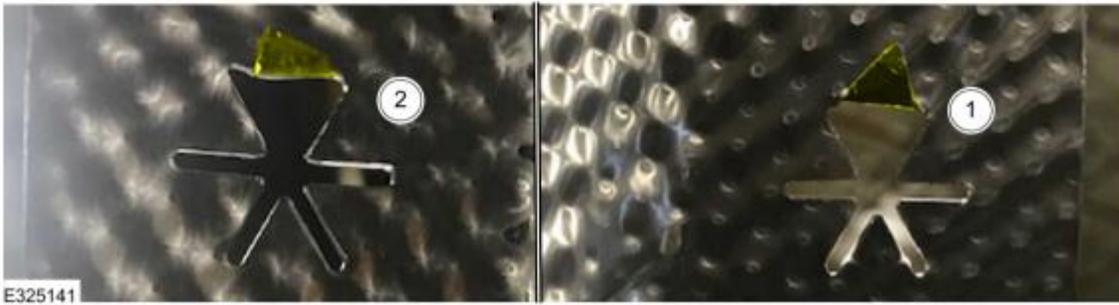


E325140

3. Remove the right rear and left front fuel tank heat shield retainer nuts. Refer to WSM, Section 310-01A.
4. Using pliers or equivalent, modify the heat shield attachment star-shaped openings.
  - (1). Bend the tab closest to the front of the vehicle downward and flatten the tab against the bottom of the heat shield. (Figure 2)

**NOTE: Once bent, the tabs should be pointing down and away from the underside of the vehicle. (Figure 2)**

Figure 2



- 5. Loosen the remaining fuel tank heat shield retainer nuts.
  - 6. Reposition the heat shield toward the front of the vehicle. (Figure 3)
- Figure 3



E325142

7. Secure the heat shield to the fuel tank by tightening the retainer nuts. Refer to WSM, Section 310-01A.

---

© 2022 Ford Motor Company

All rights reserved.

NOTE: The information in Technical Service Bulletins is intended for use by trained, professional technicians with the knowledge, tools, and equipment to do the job properly and safely. It informs these technicians of conditions that may occur on some vehicles, or provides information that could assist in proper vehicle service. The procedures should not be performed by "do-it-yourselfers". Do not assume that a condition described affects your car or truck. Contact a Ford or Lincoln dealership to determine whether the Bulletin applies to your vehicle. Warranty Policy and Extended Service Plan documentation determine Warranty and/or Extended Service Plan coverage unless stated otherwise in the TSB article. The information in this Technical Service Bulletin (TSB) was current at the time of printing. Ford Motor Company reserves the right to supersede this information with updates. The most recent information is available through Ford Motor Company's on-line technical resources.