



NUMBER: 14-009-22

GROUP: 14 - Fuel System

DATE: June 9, 2022

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This Technical Service Bulletin (TSB) has also been released as a Rapid Service Update (RSU) 22-105, date of issue June 9, 2022. All applicable Sold and Un-Sold RSU VINs have been loaded. To verify this RSU service action is applicable to the vehicle, use VIP or perform a VIN search in DealerCONNECT/Service Library. All repairs are reimbursable within the provisions of warranty. This RSU will expire 18 months after the date of issue.

SUBJECT:

Fuel Line Buzz Vibration Noise

OVERVIEW:

This bulletin involves isolating the fuel lines from the chassis.

MODELS:

2021 (WK) Jeep Grand Cherokee

NOTE: This bulletin applies to vehicles within the following markets/countries: North America, EMEA, LATAM and APAC.

NOTE: This bulletin applies to WK vehicles built equipped with the 3.0L V6 Turbo Diesel Engine (Sales Code EXF) on or after June 01, 2021 (MDH 0601XX).

SYMPTOM/CONDITION:

A customer may not notice a Buzz, Squeak or Rattle (BSR) noise coming from the front of the vehicle while driving at 1000 to 1500 RPM.

DIAGNOSIS:

Using a Scan Tool (wiTECH) with the appropriate Diagnostic Procedures available in DealerCONNECT/Service Library, verify all related systems are functioning as designed. If DTCs or symptom conditions, other than the ones listed above are present, record the issues on the repair order and repair as necessary before proceeding further with this bulletin.

If a customer's VIN is listed in VIP or your RSU VIN list, perform the repair. **This RSU only applies to vehicles on the RSU VIN list.**

PARTS REQUIRED:

Qty.	Part No.	Description
1 (AR)	05019056AA	Foam Tape

REPAIR PROCEDURE:

1. Raise the vehicle on a hoist. Refer to the detailed service procedures available in DealerCONNECT> under: Service Info>04 Vehicle Quick Reference/Hoisting/ Standard Procedure.
2. Remove three 13 mm bolts securing the rear close out panel from the transmission cross member support. (Fig. 1)



Fig. 1
Rear Close Out Panel Bolts

1 - Rear Close Out Panel Bolts

3. Remove the two center 13 mm bolts securing the front close out panel to the front suspension cross member. Set the close out panel aside. (Fig. 2)

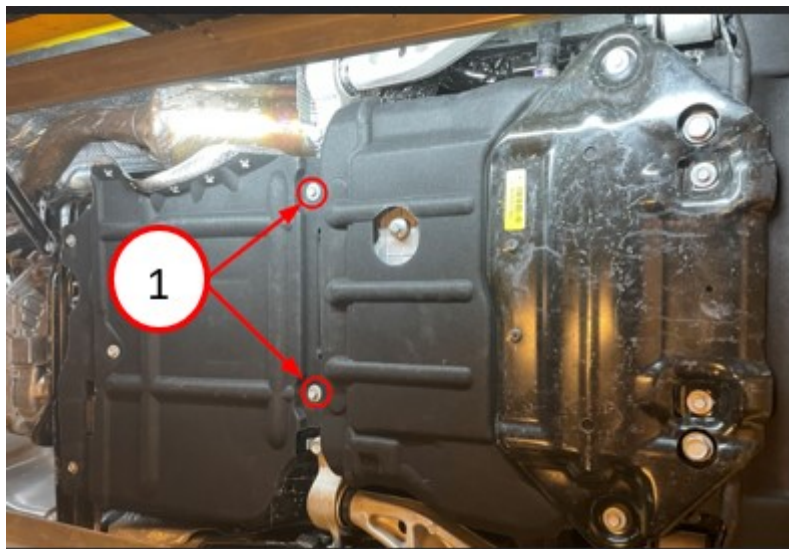


Fig. 2
Front Close Out Panel Bolts

1 - Front Close Out Panel Bolts

4. Remove the four remaining 13 mm bolts securing the Skid Plate. Set the Skid Plate aside. Refer to the detailed service procedures available in DealerCONNECT> Service Library under: Service Info 13 - Frame and Bumpers / Under Body Protection / plate, Skid, Front Suspension / Removal (Fig. 3)

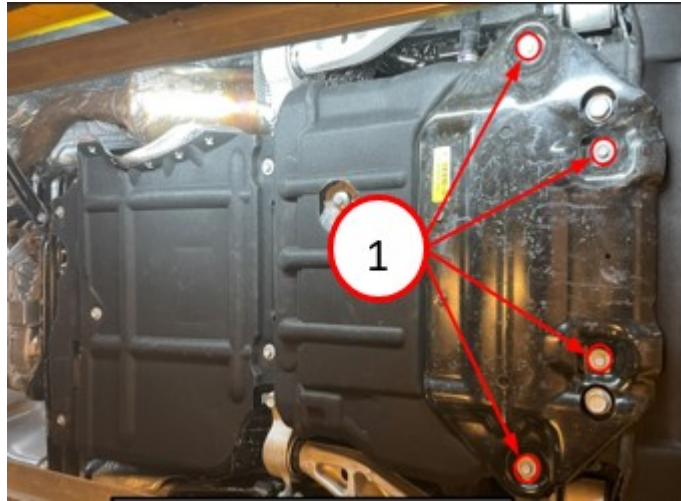


Fig. 3
Skid Plate Bolts

1 - Skid Plate Bolts

5. Remove five 11 mm nuts securing the lower heat shield to the underbody. Do not attempt to remove heat shield until the hidden nut is removed as shown in the next step. (Fig. 4)

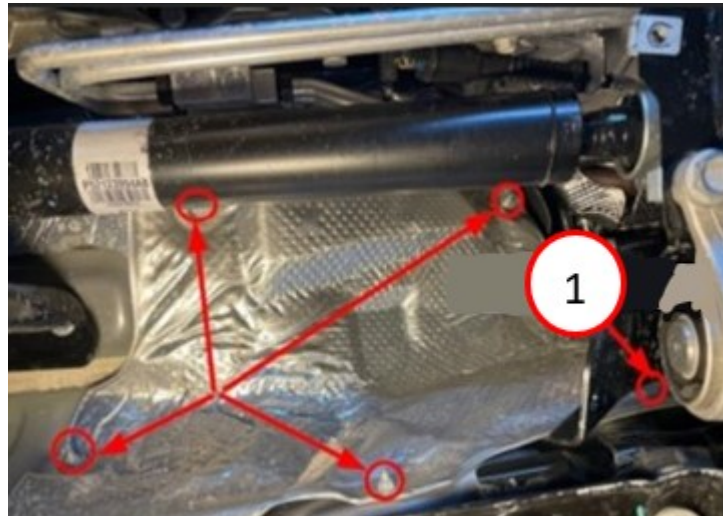


Fig. 4
Lower Heat Shield

1 - Hidden Fastener

6. Remove hidden nut on lower heat shield. Set the heat shield aside. (Fig. 5)

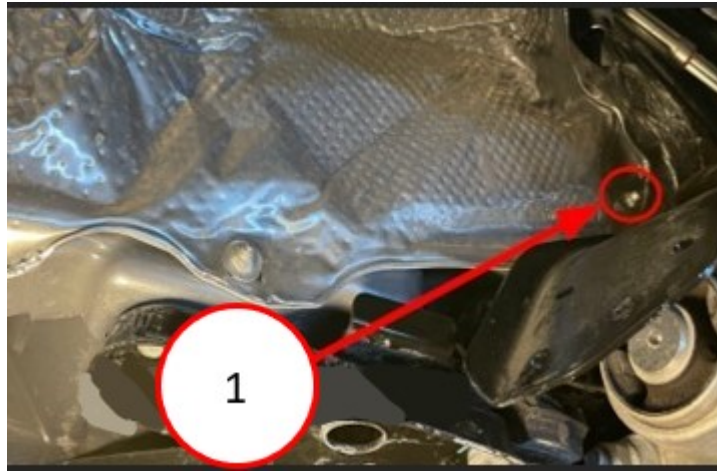


Fig. 5
Lower Heat Shield

1 - Hidden Fastener Close up

Hidden Heat Shield Nut

7. Remove one 10 mm nut from the fuel supply insulation shield covering the diesel supply lines. (Fig. 6)

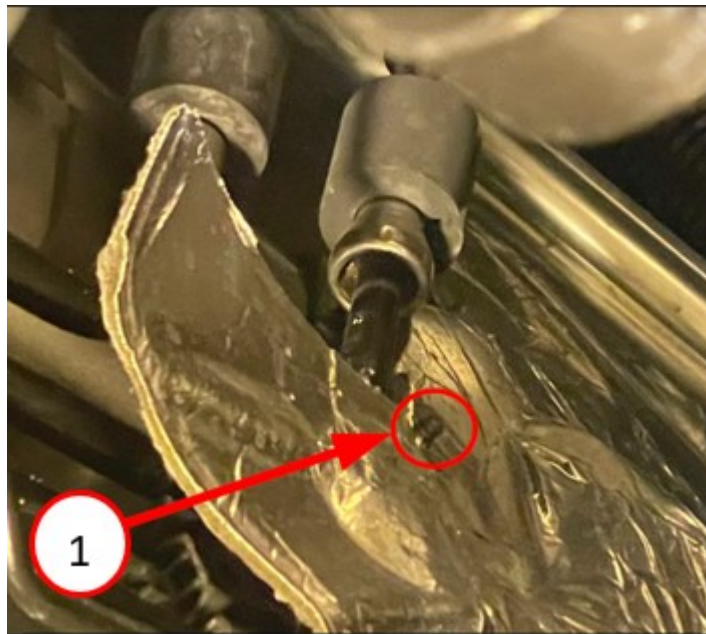


Fig. 7

1 - Fuel supply line insulation shield nut

Fuel Supply Line Insulation Shield Nut

8. Prop the fuel supply insulation shield away from the body. (Fig. 7)



Fig. 8
Prop Insulation Shield Away From Body

9. Cut foam patch down to 53.34 mm x 38.1 mm (2.1" x 1.5"). (Fig. 8)

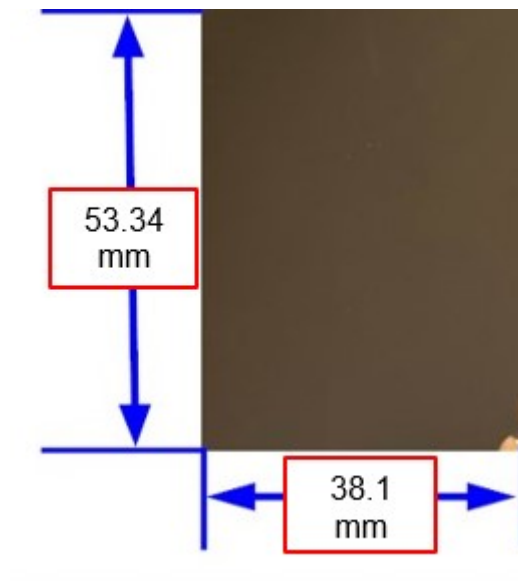


Fig. 9
Foam Patch

10. Clean the area and install the 53.34 mm x 38.1 mm (2.1" x 1.5") foam patch between the rear fuel line connector and the front inner left rail. (Fig. 9)



Fig. 10
Foam Patch Installed

11. Reinstall 10 mm nut on fuel supply insulation shield.
12. Reinstall lower heat shield.
13. Reinstall Skid plate. Refer to the detailed service procedures available in DealerCONNECT> Service Library under: Service Info 13 - Frame and Bumpers / Under Body Protection / plate, Skid, Front Suspension / Removal
14. Reinstall Close out panel.
15. Lower vehicle and remove from hoist.
16. Start the vehicle and drive between 1000 to 1500 RPM and confirm noise is no longer heard.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
14-19-03-91	Foam Tape - Repair Hard Contact Between Fuel Line and Frame Rail (0 - Introduction)	14 - Fuel System	0.7 Hrs.

FAILURE CODE:

ZZ	Service Action
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