TECHNICAL SERVICE BULLETIN
Equipped With A Gas Engine - Loose/Sagging Underbody Insulator

22-2247
09 August 2022

Model:

Ford 2017-2022 Super Duty	Gas engine

Issue: Some 2017-2022 F-Super Duty vehicles may experience a loose/sagging underbody insulator that could be seen or heard by the customer. This may be due to insufficient retention. To correct the condition, follow the Service Procedure to re-secure the insulator and adding additional clamping points.

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

- 2017-2022 F-Super Duty
- Equipped with a gas engine
- Equipped with a steel driveshaft
- Loose/sagging underbody insulator

Parts

Service Part Number	Quantity	Description	Unit of Issue	Piece Quantity
Obtain Locally	2	Washer - Zinc Coated Steel Or Aluminum, 1/4 inch Inside Diameter, 2 Inch Outside Diameter, Thickness 2 mm Max	1	2
TA-2-B	As Needed	Motorcraft® Seam Sealer (Black)		
PM-13-B	As Needed	Motorcraft® Anti-Corrosion Coating		

Parts

Rivets - 1 or 2 total pieces required depending on the application. This list contains various options, not all will be needed.

Service Part Number	Quantity	Description	Unit of Issue	Piece Quantity
W719880-S417	1	Rivet	4	1 Or 2
W702554-S900	1	Rivet	4	1 Or 2
W702554-S437	1	Rivet	4	1 Or 2
W708777-S900	1	Rivet	4	1 Or 2
W708777-S900C	1	Rivet	100	1 Or 2
W705297-S417	1	Rivet	4	1 Or 2

Quantity refers to the amount of the service part number required to repair the vehicle.

Unit of Issue refers to the number of individual pieces included in a service part number package.

Piece Quantity refers to the total number of individual pieces required to repair the vehicle.

As Needed indicates the amount of the part may vary and/or is not a whole number. Parts can be billed out as non-whole numbers, including less than 1.

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
2017-2022 F-Super Duty 6.2L/6.8L/7.3L: Re-Secure The Insulator Following The Service Procedure (Do Not Use With Any Other Labor Operations)	222247A	0.4 Hrs.

Repair/Claim Coding

Causal Part:	2611130
Condition Code:	24

Service Procedure

Review the following video before ordering parts or attempting to repair a vehicle:

Video Link - Super Duty Underbody Insulators Loose/Sagging

NOTE: The underbody insulator is located directly above the exhaust. The insulator is highlighted for illustration purposes only in Figures 1-2.

Figure 1 - Crew Cab

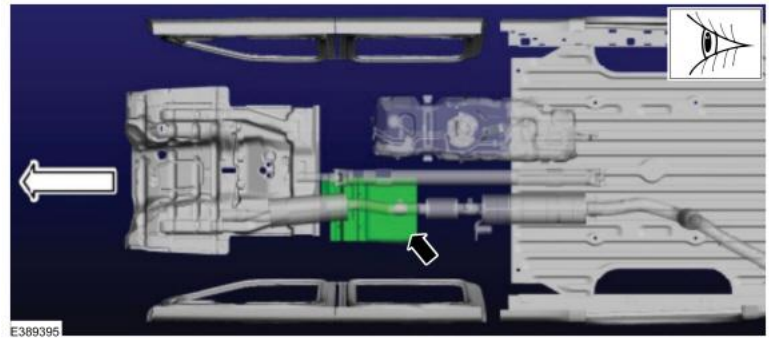
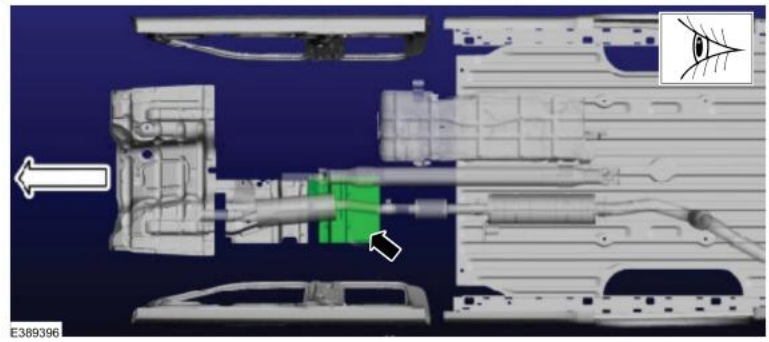


Figure 2 - Super Cab



1. With the vehicle in neutral (N), position the vehicle on a hoist. Refer to Workshop Manual (WSM), Section 100-02.

2. Measure and mark the locations on the underbody insulator according to cab and wheelbase:

(1). For Crew Cab vehicles with a 160 or 179 in. wheelbase, refer to Figure 3.

(2). For Crew Cab vehicles with a 175 in. wheelbase, refer to Figure 4.

(3). For Super Cab vehicles with a 164 in. wheelbase, refer to Figure 5.

(4). For Super Cab vehicles with a 192 in. wheelbase, refer to Figure 6.

Figure 3

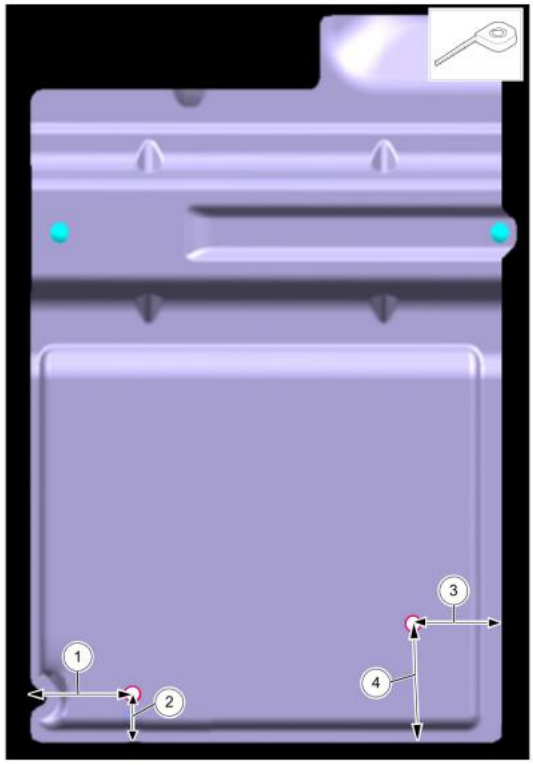


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Figure 4

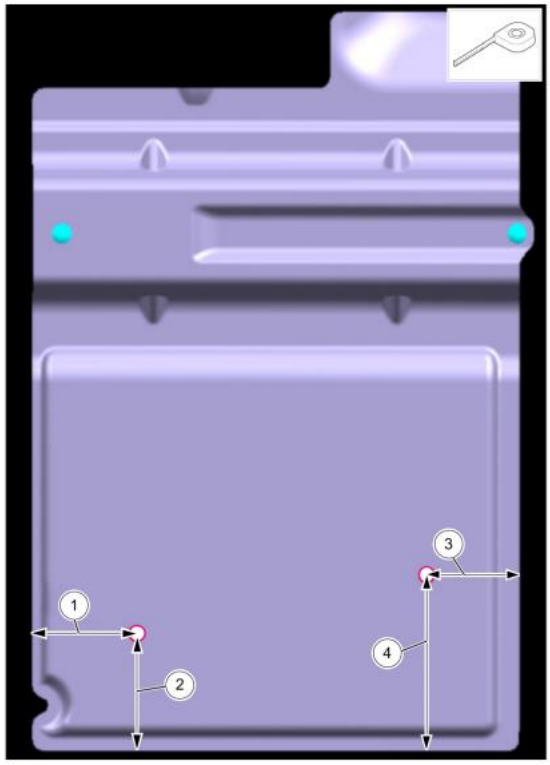

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Figure 5

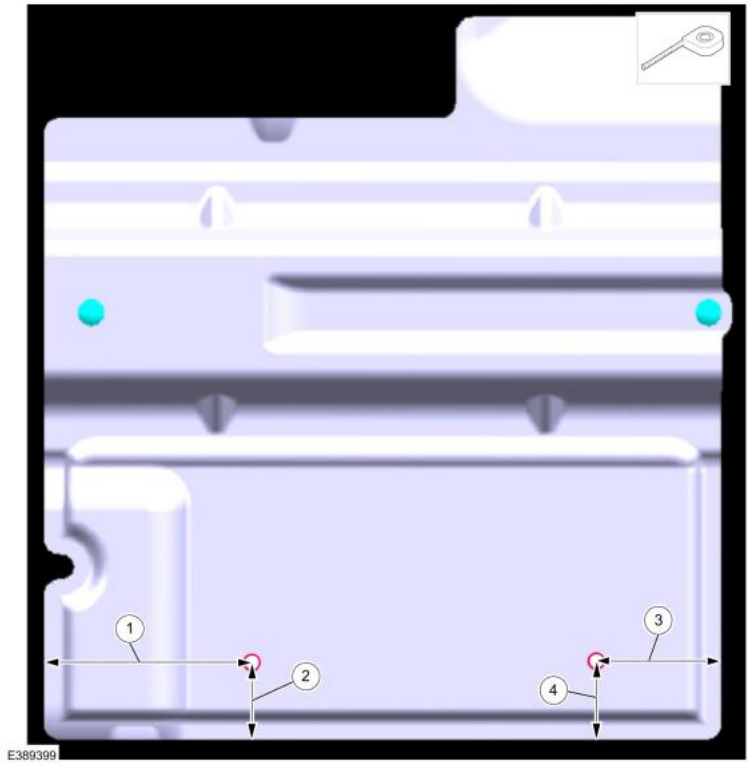
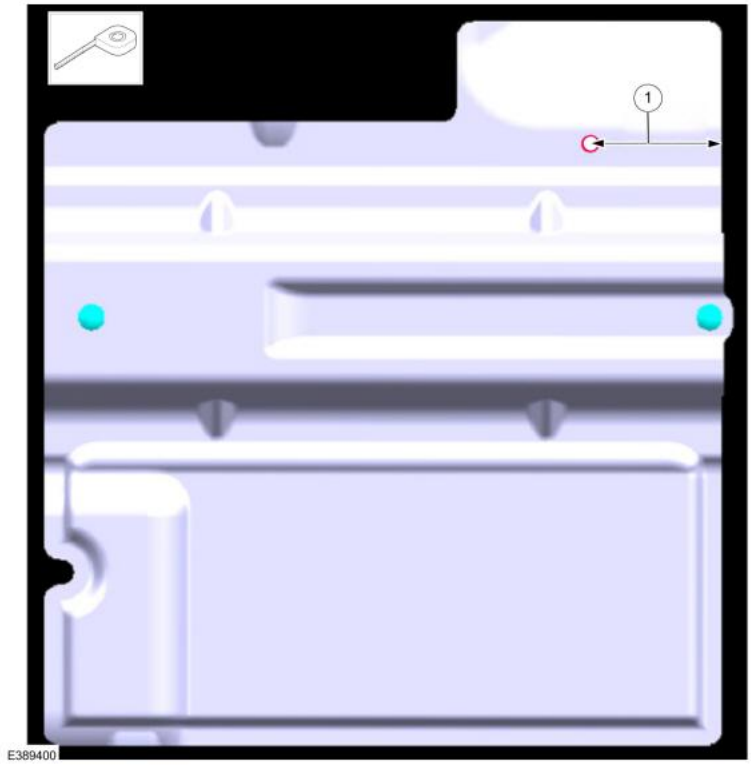


Figure 6



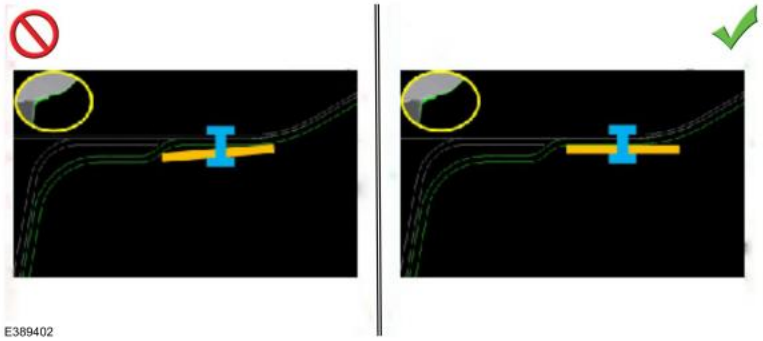
3. For rivet part number W719880-S417, use the 5.1 mm (13/64 in) drill bit. For all other rivets, use a 6.7 mm (17/64 in) drill bit to drill a hole through the insulator and into the floor. (Figure 7)

(1). For Super Cab vehicles with a 192 in. wheelbase, lay the washer on the flat surface and follow the dimensions as shown for the pilot hole center. Refer to Figure 8 where the yellow line is the washer and the blue line is the rivet.

(2). Use the 13 mm (1/2 in) drill stop to make sure the drill bit does not reach the carpet.

Figure 7

Figure 8 - Yellow line indicates the washer, blue line indicates the rivet



4. Using a small brush, apply a layer of Motorcraft® Anti-Corrosion Coating to the edges of the newly drilled holes.

5. Install the washer onto the rivet. (Figure 9)

NOTE: Not all approved rivets may appear the same as shown in these instructions.

Figure 9

6. Apply a thick layer of Motorcraft® Seam Sealer (Black) to the rivet and the backside of the washer. (Figure 10)

Figure 10

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7. Using a 1/4" rivet gun, install the rivet and washer to the drilled hole. (Figure 11)

(1). To confirm the rivet is properly secured, apply as much force to the rivet gun as possible.

Figure 11

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8. Attempt to move the washer/rivet to confirm it is properly secured.

9. Using a small brush, apply a layer of the Motorcraft® Anti-Corrosion Coating to the washer and rivet.

10. If a second drilled hole is required, repeat Steps 3-9.