



Service Bulletin

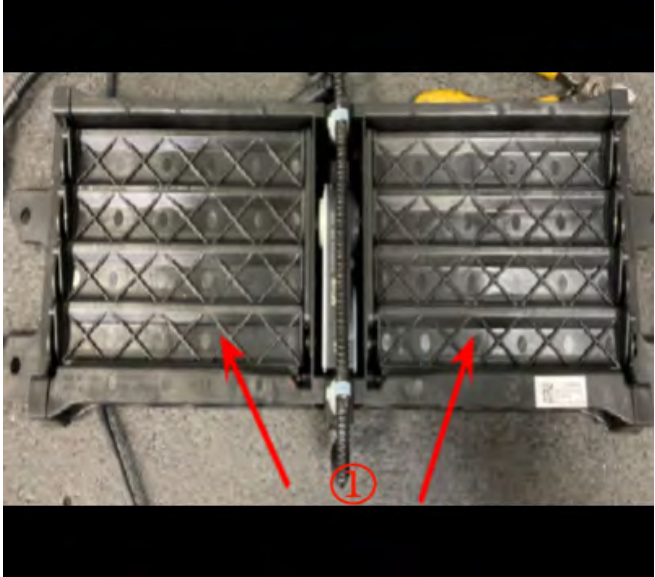
Bulletin No.: 21-NA-071

Date: March, 2021

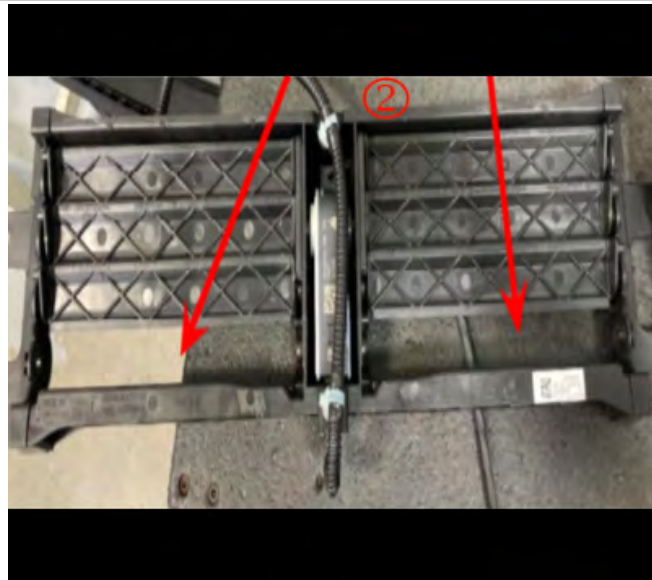
TECHNICAL

Subject: DTC's P05AE or P059F Set Current or History

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Chevrolet	Silverado 2500HD/3500HD	2020	2021			All	All
GMC	Sierra 2500HD/3500HD						

Involved Region or Country	North America, Saudi Arabia, Israel, Chile
Additional Options (RPOs)	
Condition	<p>Customers may come in for service and technician may find either of the DTC's listed below set in current, or history.</p> <ul style="list-style-type: none"> • DTC P05AE - Active Grille Air Shutter 2 Performance • DTC P059F- Active Grille Air Shutter 1 Performance
Cause	The cause of the condition may be road debris like small stones, or ice, may collect at the bottom of the front bumper lower shutter assembly and can prevent the louver from fully closing, causing the DTC's to set.
Correction	

5778559



5778560

Note: The graphics above show before (1), and after (2), examples of the lower shutter modification.

Remove the front bumper lower shutter and complete the *Lower Shutter Louver Modification Procedure* below, to remove the lowest row of louvers from the shutter.

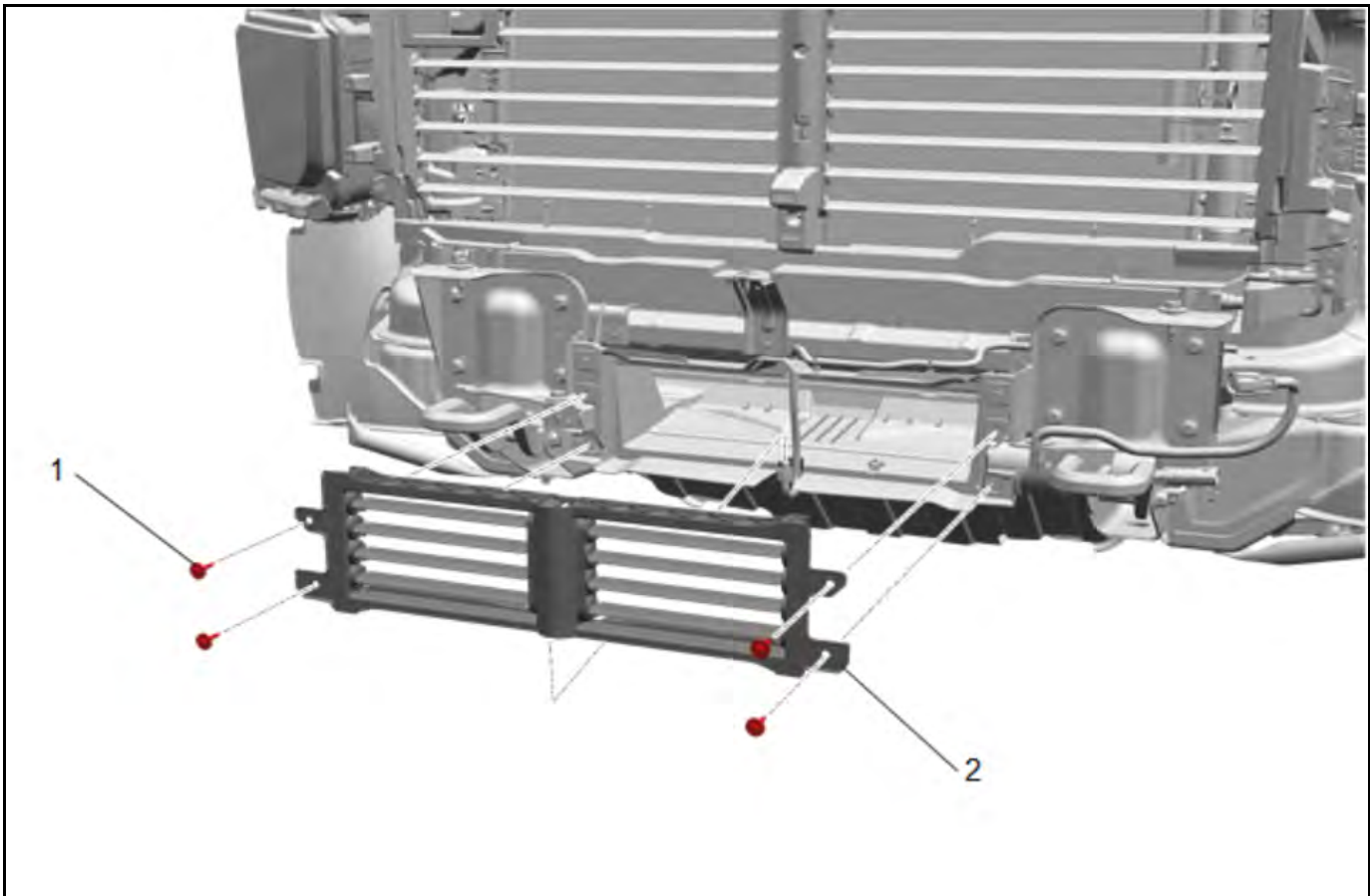
Lower Shutter Louver Modification Procedure

Required Tools



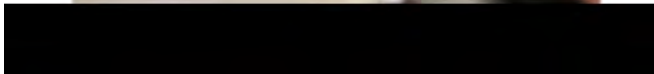
5778561

- Rotary tool (1)
- Disc cutter (2)
- Putty knife (3)
- Side cutters (4)

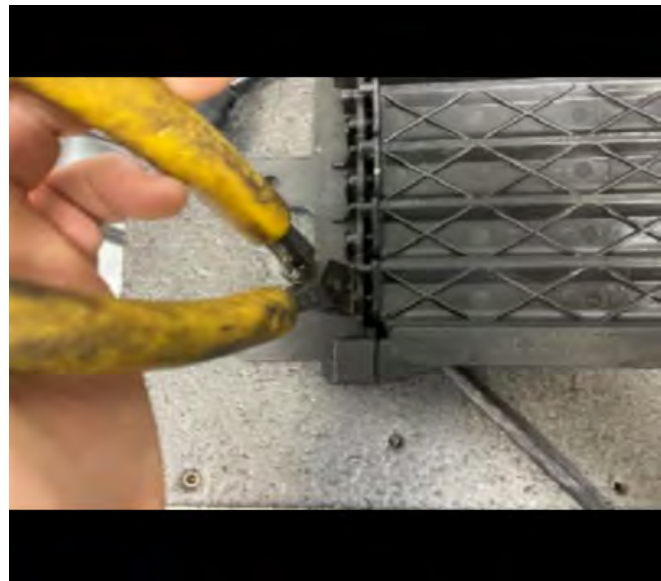


5241037

1. Remove the front bumper lower shutter (2) from the vehicle. Refer to *Front Bumper Lower Shutter Replacement*, in SI.



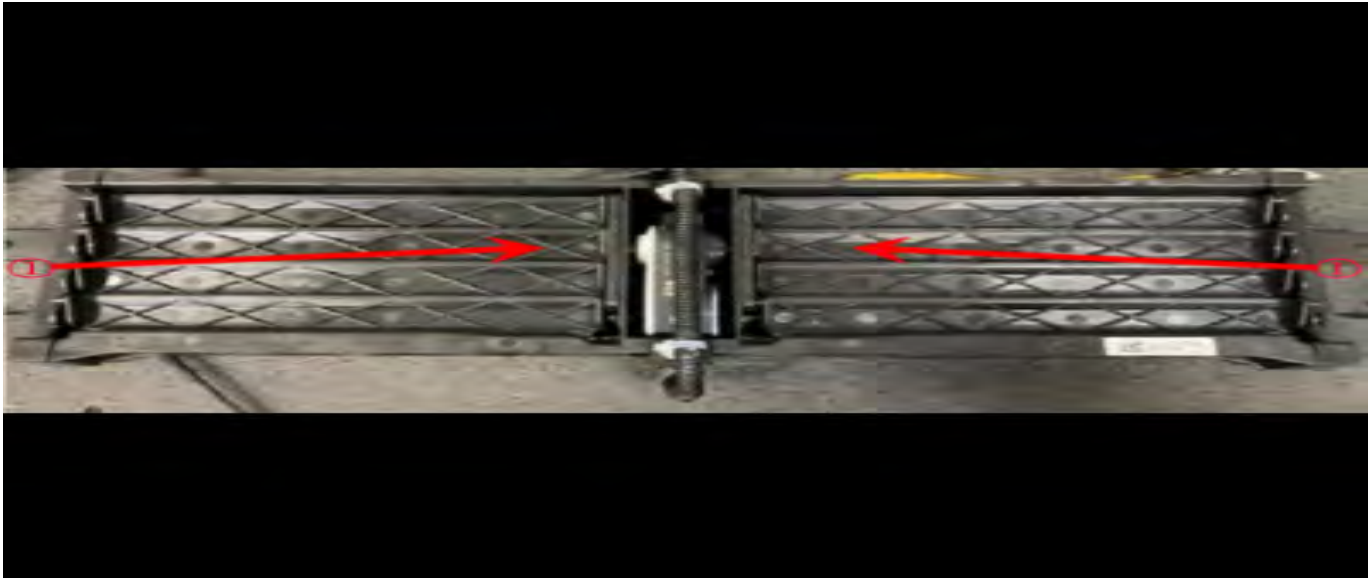
5778562



5778563

2. Using side cutters, snip the outer pivot pins of the 2 lower louvers.

Tip: Pushing the lower louver outboard will allow you to cut more of the pin, which will aid in the louver removal later in the procedure.



5778564

Note: The preferred way to open the louvers is to apply pressure on the drive louvers (1).



5778565

3. If not already open, rotate all louvers to the open position.



5778566

Note: This step is done to prevent damage to the frame or actuator when completing step # 5.

4. As shown in the graphic above, insert the putty knife between the link bar and the center of the shutter frame. This is the area closest to the actuator motor.



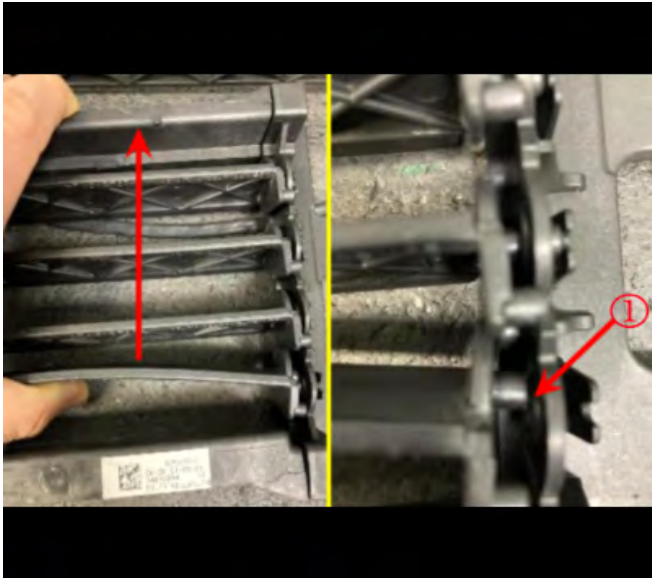
5778567

Tip: This cut is easier to accomplish with the shutter standing on end.



5778568

5. Using the rotary tool, cut the link bar (2) of the lowest louver (3), just below the louver link pin (1) above the lowest row.
6. Remove the lower louver following the steps below.



5778570

- 6.1. Bend the louver upwards until the previously cut outboard pivot pin (1) ejects out of the hole.
- 6.2. Then remove the louver and the cut link section.



5778571

7. Repeat steps # 2–6 on the other side bottom louver.
8. Reinstall the front bumper lower shutter to the vehicle. Refer to *Front Bumper Lower Shutter Replacement*, in SI.

Parts Information

No parts are required for this repair.

Warranty Information

For vehicles repaired under the Bumper-to-Bumper coverage (Canada Base Warranty coverage), use the following labor operation. Reference the Applicable Warranties section of Investigate Vehicle History (IVH) for coverage information.

Labor Operation	Description	Labor Time
1481518*	Remove and Reinstall the Front Bumper Lower Shutter, Complete Lower Shutter Louver Modification	1.7 hrs Silverado 2.5 hrs Sierra
*This is a unique Labor Operation for Bulletin use only.		

Version	1
Modified	Released March 23, 2021

