

# SS 3090 FTL2021 M2-106 DD8 Engine Harness Chafing Air Compressor Suction Line

## **Applicable Vehicles**

FTL M2 106 with DD8 Engines.

## **Symptoms**

Air Compressor Suction Line damaged/perforated - Air Compressor noise.

## **Issue**

Engine Harness routing may cause chaffing/rubbing with Air Compressor suction line creating air leaks that in some cases may not allow the system to build air pressure. A hole in the suction line allows dirty air /debris to be sucked by air compressor with potential to damage internal components of the air compressor.



Figure 1: Interference between Engine Harness and Air Compressor Suction Line.

## **Solution**

Engine Harness routing needs to be revised adding a Mounting-Tie, Cable, Dual Swivel and two Clamp Cable Ties to bundle Harness and suction line together as shown in the Figure 2.

1. Park the vehicle, shut down the engine, and apply the parking brakes. Chock the tires.
2. Disconnect the batteries.
3. Open the hood to get access to the Air Compressor Suction Line and Engine Harness.
4. Remove and replace Air Compressor Suction Line with new Suction Line Item 1.
5. Install Items 2 and 3 to bundle together Harness and Suction Line. Care must be taken to avoid crushing the Suction Line and causing air intake restrictions.

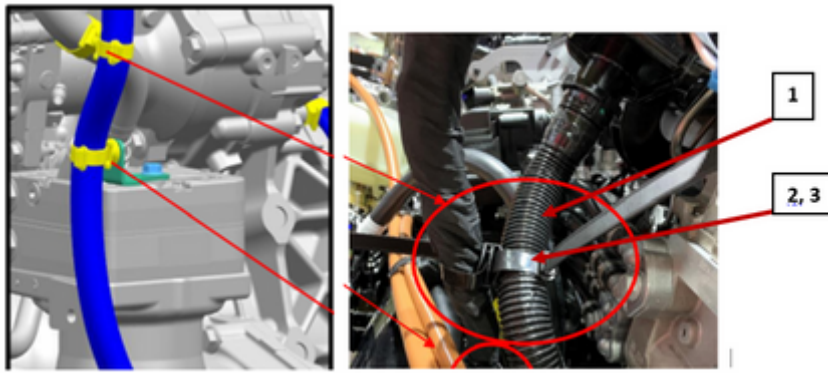


Figure 2: Revised Engine Harness routing adding additional clipping point.

Parts required to complete retrofit are shown below:

Item Number.	Part Number	Description	Quantity
1	DDE A9361306157	Air Compressor Suction Line	1 Pc.
2	23-12886-001	MOUNT-TIE, CABLE, DUAL, SWIVEL	1 Pc.
3	23-09796-629	CLAMP-CABLE TIE, 15", 0-4 BUNDLE	2 Pcs.

Contact CAC or your DSM if questions arise.

Labels :

M2

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