STELLANTIS PARTS & SERVICES			Technical Service Bulletin (TSB) Cold Engine Ticking Noise			
REFERENCE:	TSB : 09-001-24 GROUP : 09 - Engine	Date:	January 20, 2024	REVISION:	09-011-22	
VEHICLES AFFECTED:	**2019 - 2024** (DT) Ram 1500 Pickup This bulletin applies to vehicles equipped with a 5.7L V8 Hemi MDS VVT Etorque Engine (Sales Code EZL) and a 5.7L V8 Hemi MDS VVT Engine (Sales Code EZH).		MARKET AN NA SA EE	PPLICABILITY:		
CUSTOMER SYMPTOM:	The customer may describe a ticking noise from the exhaust manifold location(s) when cold.					
CAUSE:	Exhaust manifold.					

This bulletin supersedes Technical Service Bulletin (TSB) 09-011-22, date of issue September 03, 2022, which should be removed from your files. All revisions are highlighted with **asterisks** and include new vehicle years.

REPAIR SUMMARY:

This bulletin involves replacing the exhaust manifolds.

CLAIMS DATA:

Labor Operation No:	Labor Description	Skill Category	Labor Time
09-45-01-A4	Exhaust Manifold - Replace (Both Sides)(1 - Semi-Skilled)	1 - Engine Repair and Performance	4.5 Hrs.
09-45-01-A3	Exhaust Manifold - Replace (Right Side Only) (1 - Semi-Skilled)	1 - Engine Repair and Performance	3.1 Hrs.
09-45-01-A2	Exhaust Manifold - Replace (Left Side Only) (1 - Semi-Skilled)	1 - Engine Repair and Performance	3.4 Hrs.
Failure Code	ZZ	Service Action	

OPTIONAL EQUIPMENT:

Labor Operation No:	Labor Description	Skill Category	Labor Time
09-45-01-67	4X4 Equipped	1 - Engine Repair and	0.9 Hrs.
		Performance	

SPARE PARTS:

Qty	Part No.	Description	Notes
1 (AR)	68591572AA	RH Exhaust Manifold Kit	
1 (AR)	68591572AA	LH Exhaust Manifold Kit	

DIAGNOSIS:

If the customer describes the symptom/condition listed above, perform the Repair Procedure.

REPAIR PROCEDURE:

- 1. Start the vehicle cold. Listen for ticking noise that stops after engine is warmed up.
- 2. Shut engine off and allow engine to cool.
- 3. Remove exhaust manifold heat shield(s) from the side that is suspect to be leaking for manifold inspection .
- 4. Re-start cold engine and listen for noise source at exhaust manifold area.
- 5. Visually inspect for a cracked manifold and confirm it is not a casting parting line or casting fin in location shown. Fig. 1



Fig. 1
Exhaust Manifold Area

1- Manifold Crack Area

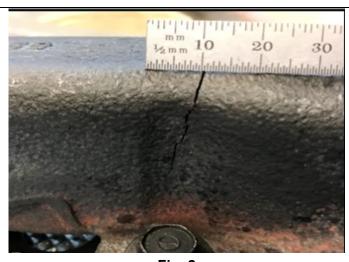


Fig. 2
Exhaust Manifold Crack

6. If a cracked manifold is found, replace the exhaust manifold(s) that are cracked. Refer to the detailed service procedures available in DealerCONNECT>Service Library under: 09 - Engine, 5.7L / Manifolds / Manifold, Exhaust / Removal and Installation.

NOTE: Replace all fasteners to prevent bottoming in cylinder head. Fasteners were lengthened 6mm (Approximately 1/4 inch) when tie bars were added to exhaust manifolds.

NOTE: Use all kit components. Exhaust manifold, gasket, fasteners, heat shield and tie bar.

NOTE: Tie bars in kit must be used even if there were no tie bars originally.

NOTE: Right side fastener 06510140AA (front-most fastener) is 5mm (3/16 inch) shorter than other fasteners.

POLICY:

Reimbursable within the provisions of the warranty.

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