

Technical Service Bulletin (TSB)
Engine Misfire From Intake Manifold Crack

REFERENCE:	TSB: 09-025-23 GROUP: 09 - Engine	Date:	November 30, 2023	REVISION:	-
VEHICLES AFFECTED:	2022 - 2023 (LD) Dodge Charger This bulletin applies to vehicles built on or after December 09, 2022 (MDH 1209XX) and on or before January 20, 2023 (MDH 0120XX) equipped with a 5.7L V8 Hemi MDS VVT Engine (Sales Code EZH).	MARKET APPLICABILITY:			
		<input checked="" type="checkbox"/> NA <input type="checkbox"/> MEA <input type="checkbox"/> SA <input type="checkbox"/> IAP <input type="checkbox"/> EE <input type="checkbox"/> CH			
CUSTOMER SYMPTOM:	<p>Customers may experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation the technician may find the following DTC has been set:</p> <ul style="list-style-type: none"> • P0301 - Cylinder 1 Misfire. <p>Customers may experience the following:</p> <ul style="list-style-type: none"> • Rough idle and shakes while driving. 				
CAUSE:	Fracture crack at left front of intake manifold Fig. 1 .				

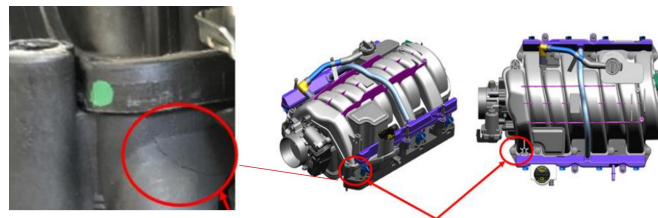


Fig. 1

Area Where Crack Occurs

This Technical Service Bulletin (TSB) has also been released as a Rapid Service Update (RSU) 23-329, date of issue November 30, 2023. All applicable 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.

REPAIR SUMMARY:

This bulletin involves inspecting and if needed replacing the intake manifold for a crack.

CLAIMS DATA:

Labor Operation No:	Labor Description	Skill Category	Labor Time
09-50-01-91	Intake Manifold - Inspect (2 - Skilled)	1 - Engine Repair and Performance	0.2 Hrs.
09-50-01-94	Intake Manifold - Inspect and Replace (2 - Skilled)	1 - Engine Repair and Performance	0.9 Hrs.
Failure Code	ZZ	Service Action	

SPARE PARTS:

Qty	Part No.	Description	Notes
1 (AR)	68189105AC	Manifold, Intake	
1 (AR)	68545089AA	Manifold, Intake – Gasket Kit	
1 (AR)	04627591AA	Seal, Throttle Body To Intake	

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.

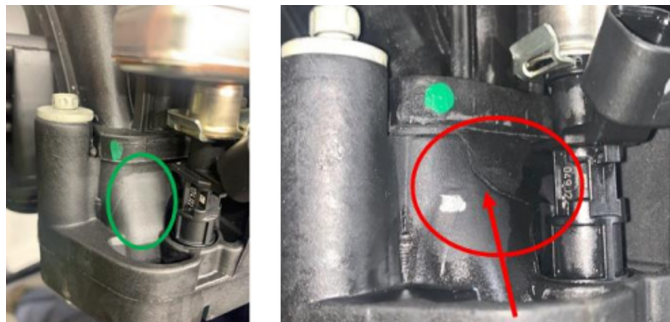
If a customer's VIN is listed in VIP or your RSU VIN list, perform the repair. If any vehicle not on the VIN list exhibits any of the symptom listed above in the customer symptom section, perform the Inspection Procedure.

SPECIAL TOOLS/EQUIPMENT:

Description	Ref. No.	Notes
wiTECH or Equivalent	–	–

REPAIR PROCEDURE:

1. Remove the oil cap.
2. Lift upward and remove the engine cover.
3. Verify the above DTC as being stored, active or pending and inspect the left front corner of the intake manifold for any signs of cracks.

**Fig. 2**

Crack Shown Up Close

4. Is the DTC present or were any intake manifold cracks found in the left front corner [Fig. 2](#)?
 - YES>>> Proceed to [Step 5](#).
 - NO>>> This bulletin does not apply. Install the oil cap and engine cover. Use Inspect LOP (09-50-01-91) to close this active RSU. Normal diagnosis should be performed.
5. Replace the intake manifold. Refer to the detailed service procedures available in DealerCONNECT/ Service Library under: 09 - Engine, 5.7L / Manifolds / Manifold, Intake / Removal and Installation.
6. Clear all DTCs that may have been set in any module due to reprogramming. The wiTECH application will automatically present all DTCs after the flash and allow them to be cleared.

POLICY:

Reimbursable within the provisions of the warranty.

This bulletin is supplied as technical information only and is not an authorization for repair. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, or otherwise, without written permission of FCA US LLC.