Connection offline

Technical Service Bulletin

Transaction No.: **2079645/1**

01-25-06 - Misfire Due To Excess Intake Flashing

Condition

Applicable Vehicles					
Model(s)	**Year**	**Eng. Code**	**Trans. Code**	**VIN Range From**	**VIN Range To**
Atlas	2024 - 2026	2.0T DRKB	All	All	All
Atlas Cross Sport	2024 - 2026	2.0T DRKB	All	All	All

Revision Table			
Instance Number	**Published Date**	**Version Number**	**Reason For Update**
2079645/1	10/23/2025	01-25-06	Original publication

The MIL is flashing or illuminated.

One or more of the following fault code(s) are stored in the ECM fault memory:

DTC	Description
P0300	Random Misfire Detected
P0301	Cylinder 1 Misfire Detected
P0302	Cylinder 2 Misfire Detected
P0303	Cylinder 3 Misfire Detected
P0304	Cylinder 4 Misfire Detected

Engine may also exhibit reduced performance without significant loss of power.

Technical Background

Excess flashing left behind during the intake manifold injection molding process can cause a lean misfire in affected cylinders.

Production Solution

Improvements made to the manufacturing process of the intake manifold.

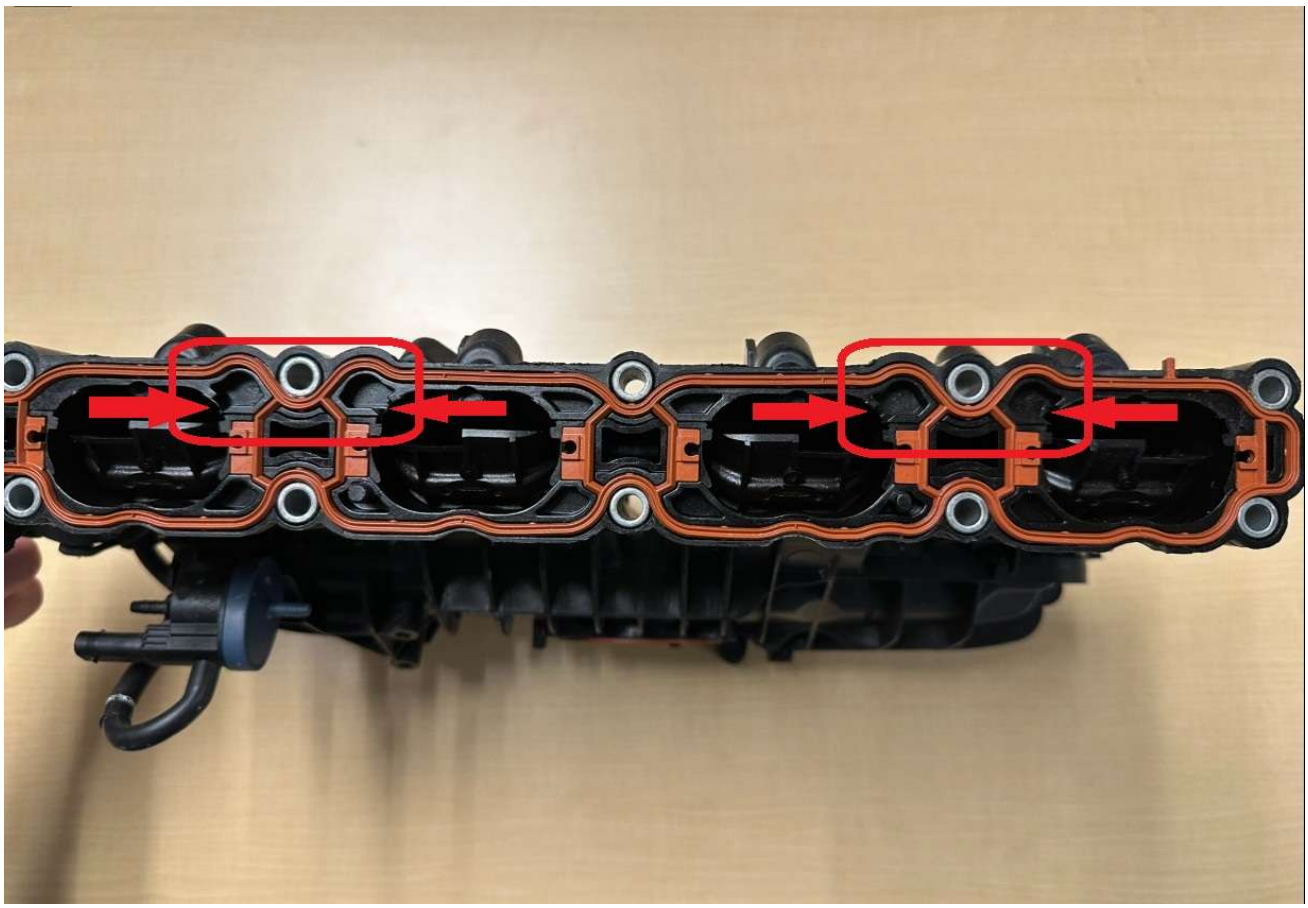
Service

While performing the misfire diagnostics outlined in TSB 2033805 – Engine, Misfire Diagnostic Aid, if the misfire does not move to another cylinder after swapping the spark plug and/or ignition coil, before swapping fuel injectors, it is important to remove the intake manifold and check for signs of excess flashing in the intake manifold ports.

1. Remove the intake manifold per the steps outlined in the repair manual.

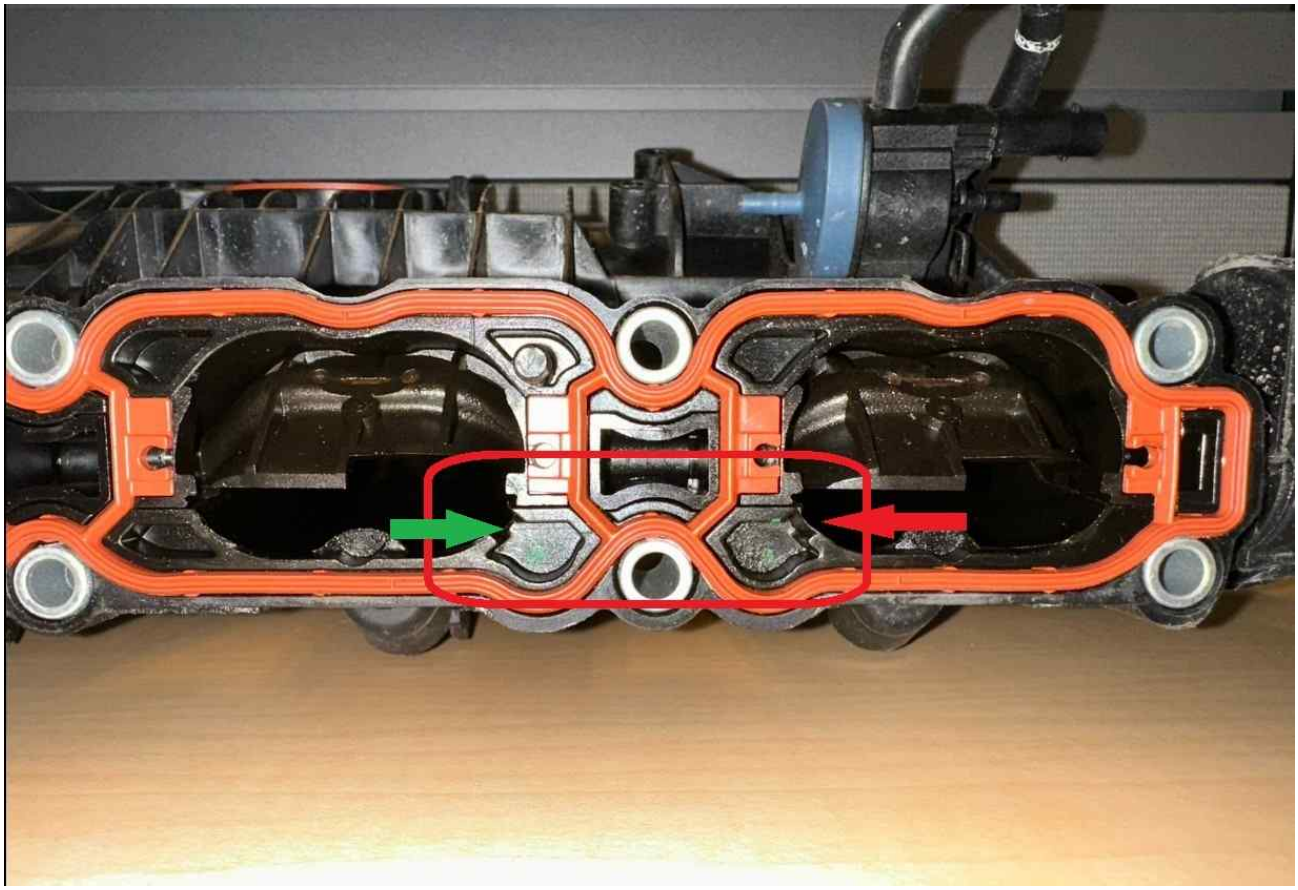
2. Inspect the 4 intake ports for excess flashing in the areas circled in red below in figure 1.

Figure 1:



In figure 2 below, the green arrow shows an intake port without excess flashing, and the red arrow shows an intake port with excess flashing.

Figure 2:



3. If excess flashing is found blocking the intake manifold port, rework of the intake manifold will be required. See figure 3 below for another example.

Figure 3:

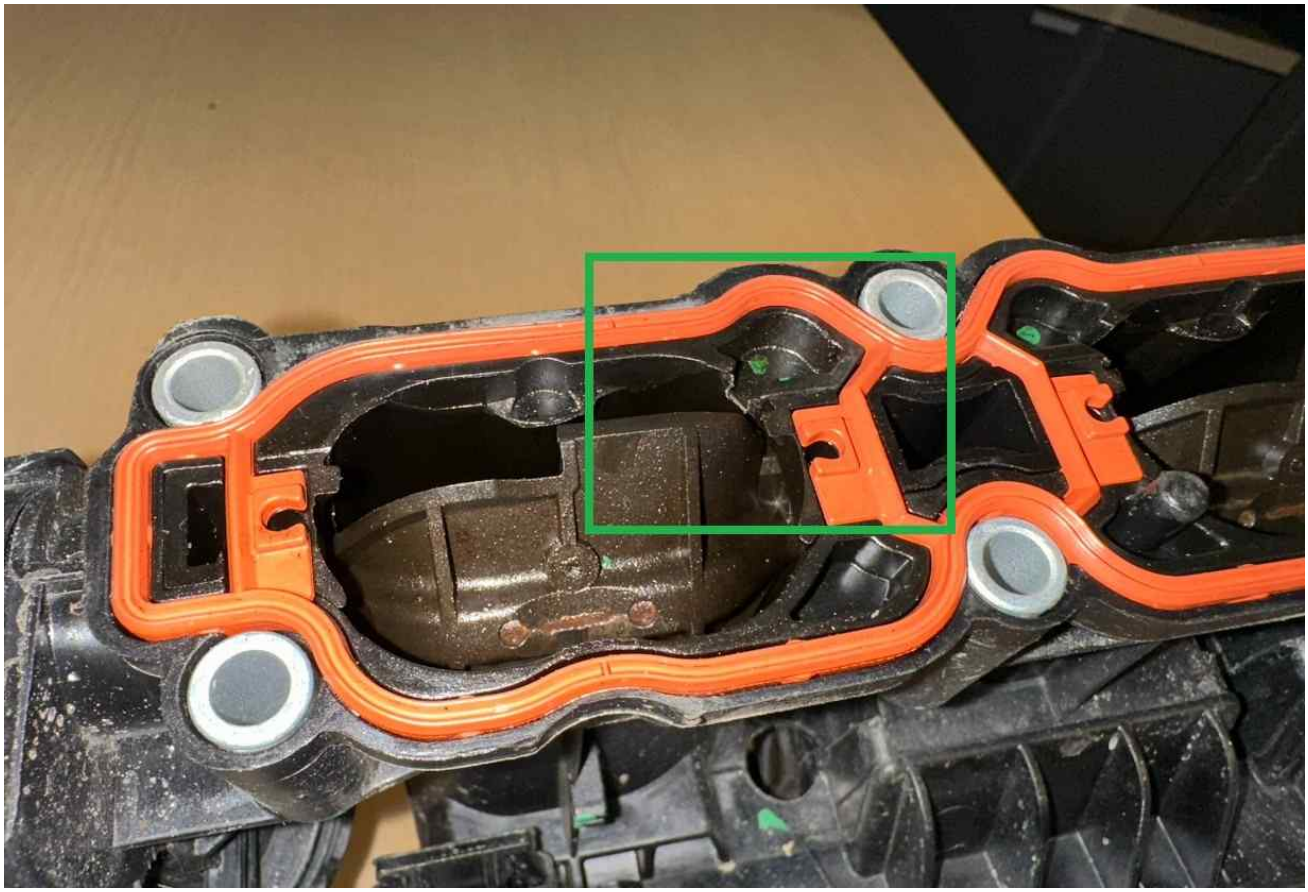
NOTICE

If no excess flashing is found blocking the intake manifold ports, this TSB does not apply, and further diagnosis is necessary!

4. Identify the port(s) with excess flashing, and using a pair of needle nose pliers, securely grab the excess flashing and twist the pliers, removing the excess flashing from the manifold. See figure 4 below.

Figure 4:

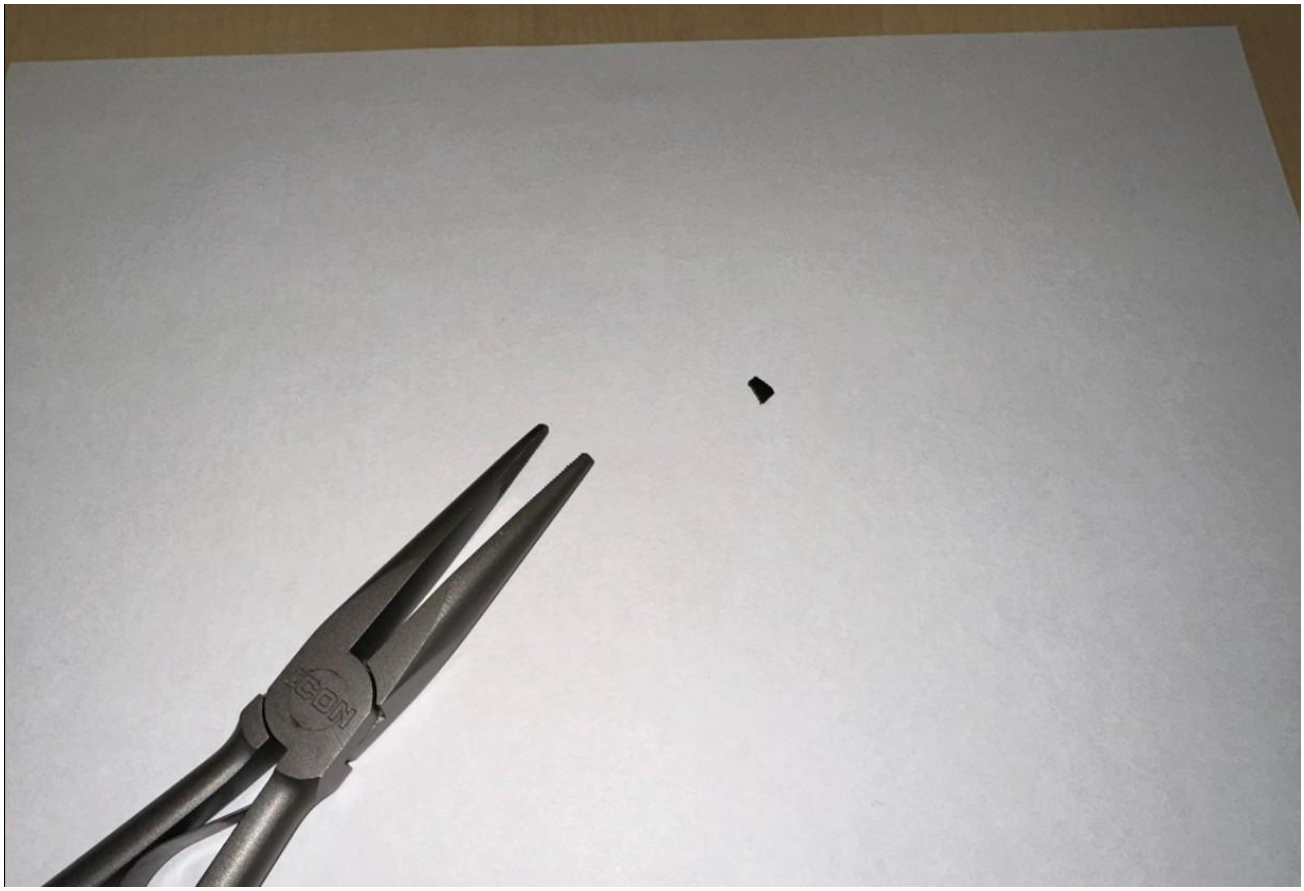
Figure 5:



NOTICE

Using a piece of white paper to set the removed flashing on is an easy way to keep track of the removed material.

Figure 6:

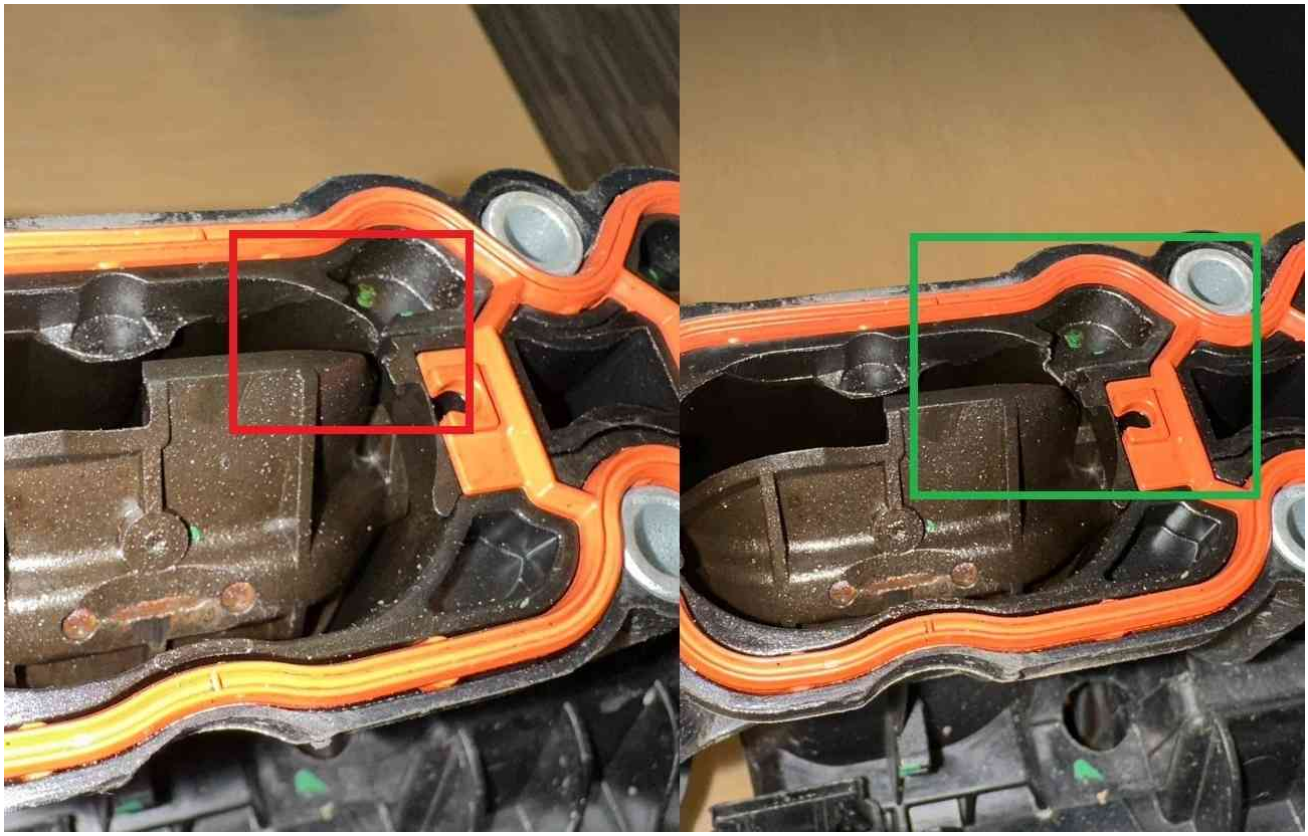


WARNING

To prevent possible engine damage, ensure that none of the removed flashing falls into the intake manifold runners!

Figure 7 below shows an example of the intake port before and after the rework procedure.

Figure 7:



5. Replace the intake manifold gasket, reinstall the intake manifold, and reassemble the vehicle per the steps outlined in the repair manual.

6. If misfire faults are still present after performing the rework procedure on the intake manifold, further diagnosis is needed, and this bulletin no longer applies.

Warranty

To determine if this procedure is covered under Warranty, always refer to the Warranty Policies and Procedures Manual [1)]					
Model(s)	**Year(s)**	**Eng. Code(s)**	**Trans. Code(s)**	**VIN Range From**	**VIN Range To**
Atlas	2024 - 2026	2.0T DRKB	All	All	All
Atlas Cross Sport	2024 - 2026	2.0T DRKB	All	All	All
SAGA Coding					
Claim Type:	**Use applicable Claim Type [1)]**				

Service Number:	Damage Code	HST	Damage Location (Depends on Service No.)
2447	0010	--	--

Parts Manufacturer		
	MY24 Atlas / Atlas Cross Sport	WWO [2)]
	MY25-26 Atlas / Atlas Cross Sport	VOA [2)]

Labor Operation [3)]**:** GFF Functions (including Battery Charge)	01500010 = See Elsa for latest time units
Labor Operation [3)]**:** Air Cleaner Remove + Reinstall	24251930 = See Elsa for latest time units
Labor Operation [3)]**:** Intake Manifold Remove + Reinstall	24471980 = See Elsa for latest time units
Labor Operation [3)]**:** Rework up to 4 ports on Intake Manifold	24474199 = 10 TU max.
Causal Part: Select Labor Operation	24474199

Diagnostic Time [4)]		
GFF Time expenditure	01500060 = 50 TU max.	YES
Road Test	01210004 = 10 TU max.	YES
Technical Diagnosis	01320000 = 00 TU max.	NO

Claim Comment: Input “As per Technical Bulletin 2079645” in comment section of Warranty Claim.

[1)] Vehicle may be outside any Warranty in which case this Technical Bulletin is informational only.

[2)] Code per warranty vendor code policy.

[3)] Labor Time Units (TUs) are subject to change with ELSA updates.

[4)] Documentation required per Warranty Policies and Procedures Manual.

Required Parts and Tools

Part Number	Part Description	Quantity
See ETKA	Oil Filter and Sealing Ring	1
See ETKA	Intake Manifold Gasket	1

N 902 322 01	Self-locking Hex Head Bolt (for engine support bracket)	1

Tool Description	Tool No.
Midtronics Battery Tester/Charger	GRX3000VAS or MTRMSP0702 battery maintainer/charger
VAS Diagnostic Tool	VAS 6150/X & VAS 6160/X with: ODIS Service with current online updates.

Additional Information

All part and service references provided in this Technical Bulletin are subject to change and/or removal. Always check with your Parts Dept. and Repair Manuals for the latest information.