00-17-13 - Fuel Additive to Help Prevent Sporadic Misfire Faults (Gasoline Engines Only)

Release date: 6/14/2022

Condition

Applicable Vehicles

Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
All (Except Routan, ID.4)	2006-2023	All Gasoline Engines	All	All	All

Revision Table

Instance Number	Published Date	Version Number	Reason For Update
2033846/15	6/14/2022	00-17-13	Update to include current Model Year
2033846/14	6/22/2021	00-17-13	Update to include current Model Year
2033846/13	2/22/2021	00-17-13	Update the Top Tier brochure ordering address.
2033846/11	6/15/2020	V001713	Update the Top Tier brochure part number. Update model and model year applicability.
2033846/1	1/15/14	V001401	Original publication.

A Volkswagen approved fuel additive is available to help remove and prevent deposits on fuel injectors and intake valves.

One or more of the following fault codes may be stored in the ECM Fault Memory:

DTC	Description
P0300	Random/Multiple Cylinder Misfire Detected
P0301-P0308	Cyl.1 Misfire Detected - Cyl.8 Misfire Detected

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Technical Background

Fuel quality impacts the operating performance, efficiency and service life of the engine. The use of poor quality fuels may result in deposit build up on the fuel injectors and intake valves. This may result in a rough running condition, sporadic misfires, or cold start misfire faults storing in the ECM fault memory.

Production Solution

Not applicable.

Service

If sporadic cylinder misfire faults are found and a P130A Hide Cylinder fault is not present, the concern may be related to poor quality fuel and/or deposit build-up on the fuel injectors and intake valves.

With the fuel tank at least half full, pour 1 bottle of fuel additive part number G 001780M3 into the fuel tank and drive the vehicle with the transmission in the “S” (Sport) selection to help dissolve any deposits in the engine.

Note:

Only one bottle of fuel additive is covered under warranty.

If no concerns are found during the test drive, return the vehicle to the customer. Advise the customer to use quality detergent gasoline from a Top Tier fueling station as noted in their owner’s manual or in the 2020 VW Top Tier Fuel Brochure. If available, provide a printed copy of the brochure to the customer.

If misfire faults return during the test drive, follow Technical Bulletin 2033805 Engine, Misfire Diagnostic Aid to further diagnose the concern.

Tip:

Volkswagen recommends Top Tier detergent gasoline with additives that do not contain metal. If Top Tier fuel is not readily available, advise the customer that to help prevent this condition from reoccurring, fuel additive part number G 001780M3 may be used approximately every 3000 miles (5000 km) to help keep the fuel injectors and intake valves clean.

Depending on the severity of the case, the customer may need to add a second bottle of additive to help remove all deposits after driving approximately 100 miles.

For best results, the fuel tank should be at least half full when the cleaner is added. If there is less than half a tank of fuel when added, the additive will not be as effective.

The customer may purchase this fuel additive from the parts department, and should pour the additive into the fuel tank when re-fueling.

For more information on Top Tier Detergent Gasoline, please go to the official website: http://www.toptiergas.com.

Only use fuel additives approved by Volkswagen.

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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
All (Except Routan, ID.4)	2006-2023	All Gasoline Engines	All	All	All

SAGA Coding

Claim Type:	**Use applicable Claim Type [1)]**

Service Number:	Damage Code	HST	Damage Location (Depends on Service No.)
2440	0016	--	--

Labor Operation [3)]: Fuel Additive	20103399 = 10 TU max.	
Causal Part: Select Labor Operation	20103399	
Outside Material: 2020 Top Tier Fuel Brochure	VWTOPTIERMAY20	$1.50

Diagnostic Time [4)]

GFF Time expenditure	01500000 = 20 TU max.	YES
Road Test	01210004 = 10 TU max.	YES
Technical Diagnosis	01320000 = 00 TU max.	NO

Claim Comment: Input “As per Technical Bulletin 2033846” 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.

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Required Parts and Tools

Part Description	Part Number	Quantity
Injector Cleaner	G 001780M3	1
2020 VW Top Tier Fuel Brochure	VWTOPTIERMAY20	1

No special tools required.

Tip:

Additional copies of the brochure may be ordered from Volkswagen Technical Literature Ordering Center at https://literature.vw.com/

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.

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