



# Technical Bulletin

| Model(s)               | Year      | Engine Code          | Trans. Code | VIN Range From | VIN Range To |
|------------------------|-----------|----------------------|-------------|----------------|--------------|
| All<br>(Except Routan) | 2006-2014 | All Gasoline Engines | All         | All            | All          |

## Condition

00 14 02 February 25, 2014 2033846 Supersedes V001401 dated January 15, 2013 to correct published date.

### Fuel Additive to Help Prevent Sporadic Misfire Faults

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 |

## 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.



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## 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 2014 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

|  |                       |                      |   |                       |                     |
|--|-----------------------|----------------------|---|-----------------------|---------------------|
| <b>To determine if this procedure is covered under Warranty, always refer to the Warranty Policies and Procedures Manual <sup>1)</sup></b>   |                       |                      |   |                       |                     |
| <b>Model(s)</b>  | <b>Year(s)</b>        | <b>Eng. Code(s)</b>  | <b>Trans. Code(s)</b>                           | <b>VIN Range From</b> | <b>VIN Range To</b> |
| All (Except Routan)  | 2006-2014             | All Gasoline Engines | All   | All                   | All                 |
| <b>SAGA Coding</b>   |                       |                      |   |                       |                     |
| <b>Claim Type:</b>   |                       |                      | <b>Use applicable Claim Type <sup>1)</sup></b>  |                       |                     |
| <b>Service Number:</b>   | <b>Damage Code</b>    | <b>HST</b>           | <b>Damage Location (Depends on Service No.)</b> |                       |                     |
| 2440   | 0016                  | --                   | Use applicable when indicated in ElsaWeb (L/R)  |                       |                     |
| <b>Labor Operation <sup>3)</sup>: Fuel Additive</b>  |                       |                      | 20103399 = 10 TU max.                           |                       |                     |
| <b>Causal Part: Select Labor Operation</b>   |                       |                      | 20103399  |                       |                     |
| <b>Diagnostic Time <sup>4)</sup></b>   |                       |                      |   |                       |                     |
| <b>GFF Time expenditure</b>  | 01500000 = 20 TU max. |                      | YES   |                       |                     |
| <b>Road Test</b>   | 01210004 = 10 TU max. |                      | YES   |                       |                     |
| <b>Technical Diagnosis</b>   | 01320000 = 00 TU max. |                      | NO  |                       |                     |
| <b>Claim Comment: Input "As per Technical Bulletin 2033846" in comment section of Warranty Claim.</b>  |                       |                      |   |                       |                     |
| <sup>1)</sup> Vehicle may be outside any Warranty in which case this Technical Bulletin is informational only<br><sup>2)</sup> Code per warranty vendor code policy.<br><sup>3)</sup> Labor Time Units (TUs) are subject to change with ELSA updates.<br><sup>4)</sup> 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        |
| 2014 VW Top Tier Fuel Brochure | VWTOPTIERJAN14 | 1        |

No special tools required

## 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.