



Technical Service Bulletin

01 MIL on (gasoline quality), DTCs for misfire, air/fuel ratio imbalance, or lean fuel system stored in the ECM P030000

01 24 48 2014753/13 December 5, 2024. Supersedes Technical Service Bulletin Group 01 number 23-41 dated February 6, 2023 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
All Audi Vehicles	2000 – 2025	All	Not Applicable

Condition

REVISION HISTORY		
Revision	Date	Purpose
13	-	Revised title (Updated title) Revised <i>Warranty</i> (Updated Claim Types, Labor Operations)
12	02/06/2023	Revised <i>Warranty</i> (Updated Labor Operations)
11	04/01/2020	Revised <i>Required and Tools</i> (Changed to Shop Supply)

The use of contaminated gasoline or gasoline with a low content of deposit control additives may result in one or more of the following conditions:

- Excessive accumulation of deposits on intake valves, intake manifold, fuel injectors, and combustion chambers.
- Engine running rough after cold start.
- Excessive engine cranking time.
- Hesitations while driving.
- Rough engine idle.
- Reduced engine performance.
- Poor fuel economy.

Workshop findings:

Conditions may be severe enough to illuminate the MIL in conjunction with storage of DTCs in engine control module (ECM), J623 (address word 0001) for one or more of the following concerns:

- Misfires (example: **DTC P0300** and **P030x**).
- Lean fuel system (example: **DTC P0171, P0174, P1128, P1130, P1136, and P1138**).
- Air/fuel ratio imbalance (example: **DTC P219C00, P219D00, P219E00, P219F00, P21A000 or P21A100**).



Technical Service Bulletin

Technical Background 1

- Condition may be caused by use of contaminated gasoline.
- Condition may be caused by use of gasoline with a low content of deposit control additives.

For MY16-MY19 3.0TFSI EVO (CREC) equipped vehicles:

- Because of deviations in the country-specific fuel quality deposits can form in the injectors preventing their complete closure. After switching off the vehicle fuel can get into the lower intake manifold or cylinder which makes the mixture too rich for the subsequent start. **Do not replace injectors for this issue.**

Production Solution

Not applicable.

Service

For MY16-MY19 3.0TFSI EVO (CREC) equipped vehicles, and If deposits in the injector is suspected:

Use the multi-purpose additive for gasoline according to the guidelines to remove any deposits on the low-, and high-pressure injector and to ensure their tight closure. Do not replace injectors for this issue. Use additive first then continue with further diagnosis if the issue persists.

If use of contaminated gasoline is suspected:

Consider advising the customer to change gasoline source (brand/gas station). Contaminated gasoline may exhibit one or more of the following characteristics:

- May have unique color and odor.
- May contain undissolved water.
- May contain sediments and suspended matter.
- May appear cloudy and (after settling) may show signs of separation.

If use of gasoline with a low content of deposit control additives is suspected:

Recommend to the customer the exclusive use of TOP TIER Detergent Gasoline, which provides improved deposit control performance. At the time of this publication, retailers in the USA providing TOP TIER Detergent Gasoline in all grades of their gasoline include:

- | | | |
|-------------------|-------------------------------|----------------|
| • 76 Stations | • Holiday Stationstores, Inc. | • Rebel Oil |
| • Aloha Petroleum | • Kwik Trip / Kwik Star | • Road Ranger |
| • Chevron | • MFA Oil Co. | • Severson Oil |
| • Conoco | • Mileage Stations | • Shell |



Technical Service Bulletin

- CountryMark
- Entec Stations
- Exxon
- Hawaii Fueling Network
- Mobil
- Ohana Fuels
- Phillips 66
- Quik Trip
- Texaco
- Tri-Par Oil Co.
- U.S. Oil

For the most up-to-date list of TOP TIER retailers, visit www.toptiergas.com.

Repair:

Gasoline additive **G 001770A2** can be used for removal of existing carbon deposits from:

- Injectors (MPI and FSI engines).
- Combustion chambers (MPI and FSI engines).
- Intake valves (MPI engines only).

Mix the additive with gasoline directly in the **full** fuel tank following the mix ratio. For example, 60 ml per 20 liters gasoline or 120 ml per 10 gallons of gasoline.

For MY16-MY19 3.0TFSI EVO (CREC) equipped vehicles use additive G 001780M3 (200 ml).



For removal of carbon deposits from intake valves of FSI engines, refer to TSB 2019948: 01 MIL on (P0300 and/or P0301 - P0306 stored in ECM).

Warranty

This TSB is informational only and not applicable to any Audi Warranty.



NOTICE

The use of gasoline additive G 001770A2 is not reimbursed under warranty.

Required Parts and Tools

Always check with your Parts Department and/or ETKA for the latest information and parts bulletins.

Part Number	Part Description	Quantity
See ETKA	Fasteners, Bolts, Nuts, and Screws as needed per the Repair Manual	See ETKA/ELSA



Technical Service Bulletin

G 001780M3 (2016 – 2019 only)	Additive	Shop Supply
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Additional Information

The following Technical Service Bulletin(s) will be necessary to complete this procedure:

- TSB 2019948, *01 MIL on (P0300 and/or P0301 - P0306 stored in ECM)*.

All parts and service references provided in this TSB (**2014753**) are subject to change and/or removal.

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