



## Technical Tip

<b>Topic</b>	20-16-03TT - Cold Start - DTCS <b>P13EA</b> , P0300, P0301, P0302, P0303, P0304, P305, P0306
<b>Market area</b>	United States 444 Volkswagen of America, Inc. (6444)
<b>Brand</b>	Volkswagen
<b>Date</b>	September 23, 2016

## Condition

<b>ATTENTION:</b>
<b>THIS IS A TECH TIP, NOT A TECHNICAL BULLETIN.</b>
<b>TECH TIPS ARE NOT ASSOCIATED WITH WARRANTY CLAIMING.</b>

**Cold Start - DTCS **P13EA**, P0300, P0301, P0302, P0303, P0304, P305, P0306 May be Set**

Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
Touareg	<b>2011-2017</b>	3.6L (CGRA)	All	All	All

## Technical Background

Cold start misfires may occur as a result of poor fuel quality or incorrect octane rating.

## Service

- Review the GFF log and verify the misfires were set on cold start up ONLY. This will typically be at ambient temps below 10°C (50°F).
- Determine what brand and octane rating of fuel the customer is using and if they continually utilize the same filling station.
  - Note:
    - 2015 and prior model years **must** use 91 octane
    - 2016-2017 model years **must** use 87 octane, as a result of different calibration.
- Drain both sides of the Fuel Tank (**IT IS IMPERATIVE TO DRAIN BOTH SIDES OF THE TANK**).
- Add fresh Fuel (minimum of ½ tank) using Top Tier Fuel.
- Clear all DTCs and road test 50 to 200 miles with multiple cold start-ups.
- Advise the customer to utilize Top Tier Fuel of the correct octane rating, per their owner’s manual.



<b>Revision History</b>		
<b>Revision Number</b>	<b>Released Date</b>	<b>Reason For Update</b>
2045491/6	6/9/17	Update model year applicability and add DTC P13EA
2045491/1	9/23/16	Original publication

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