



01-15-08TT - Engine runs rough with MIL ON, DTCs P0011, P0016, P000A, P0341 and or P052A

Release date: 05/01/2020

Condition

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

Applicable Vehicles					
Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
Jetta, GTI, Passat, CC, Beetle, EOS	2008-2015	2.0L (CCTA, CBFA)	All	All	All
Tiguan	2008 -2018	2.0L (CCTA)	All	All	All

Revision Table			
Instance Number	Published Date	Version Number	Reason For Update
2042502//4	5/1/20	01-15-08TT	Include additional model year applicability.
2042502/1	11/13//2015	01-15-08TT	Original publication.

Technical Background

Engine may run rough with one or more fault codes present due to possible damaged camshaft adjuster spool valve.

Service

1. Monitor MVB 93/3 in the ECM. The field should not exceed +/- 5 degrees. If the field is reading over 5 degrees at idle or during a WOT snap, suspect that the screen located in the camshaft adjuster bridge has come apart and lodged itself within the camshaft adjuster spool and the intake camshaft adjuster (only serviced with the intake camshaft).
2. For an engine that does not run (with one or multiple faults setting), please start with checking the base mechanical timing per ELSA. If mechanical timing is off, please determine the cause of the timing to be skipped/jumped. Still inspect for a missing oil screen in the camshaft adjuster bridge. If piston to valve contact has occurred, the timing chain, tensioner and crank spur gear and crank bolt should be replaced in conjunction with the cylinder head assembly.

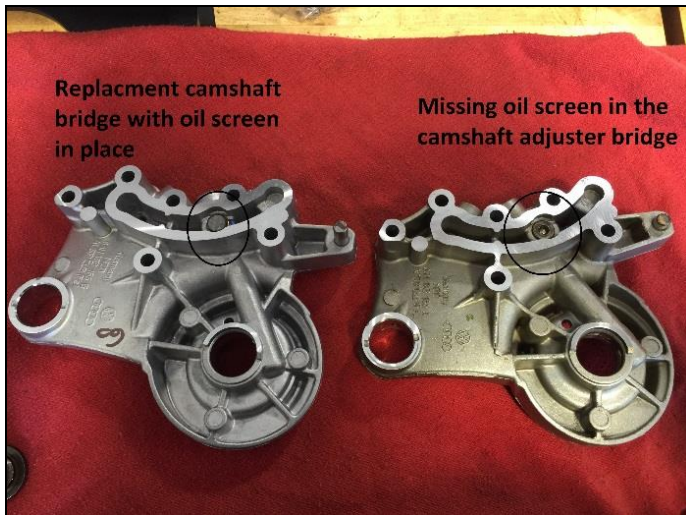
If the oil screen is present and mechanical timing is correct, please inspect the intake camshaft spool valve for damage or the end of the valve having come apart, resulting in a portion of the spool valve being left in the adjuster bore. A magnet can be used to remove the parts from the camshaft.

Despite the failure found, the repair should include replacement of the camshaft adjuster bridge, intake camshaft and the spool valve adjuster.



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Additional Information

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