



Technical Tip

Topic	20-18-05TT - DTC P0087 and Fuel System Diagnosis - Gasoline Engines Only
Market area	United States 444 Volkswagen of America, Inc. (6444)
Brand	Volkswagen
Date	December 7, 2018

Condition

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

DTC P0087 and Fuel System Diagnosis - Gasoline Engines Only

Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
Jetta, Golf, Golf Wagon, Beetle, Beetle Convertible, Passat	2014-2018	1.8L, 2.0L (CPRA, CPKA, CPPA, CPLA)	All	All	All

Technical Background

Vehicles experiencing crank no start, rough running, or drivability concerns with suspected low fuel pressure. Concerns may be intermittent. Misfire faults and low fuel pressure faults may be present.

Service

TSI engines that are not equipped with a low fuel pressure sensor may still have a measure value block (MVB) labeled as low fuel pressure. This MVB is not valid and displays 11 bar under all conditions. This MVB is to not be used for diagnosis, it will be necessary to install low pressure fuel gauge to manually check low side fuel pressure.

Follow the Elsa procedure for checking low side pressure. (Note low side pressure specs in Elsa are **NOT** with the engine running). Compare to like vehicle at operating temperature to verify normal idle pressure. If pressure is low, check residual pressure. If below spec per Elsa, close the valve to the engine and evaluate to verify if residual pressure loss is on the low or high side of the fuel system. If excessive pressure loss is still occurring with the valve closed, pressure loss is on the low side. Inspect for external leaks, if none are found then the retention valve in the in tank fuel pump or fuel filter (if applicable) is at fault.



Additional Information

Revision History		
Revision Number	Released Date	Reason For Update
2053220/1	12/7/18	Original publication.

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