Technical Tip

Topic	00-18-02TT – DTC Status Bit Explanation
Market area	United States 444 Volkswagen of America, Inc. (6444)
Brand	Volkswagen
Date	September 28, 2018

Condition

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

DTC Status Bit Explanation

Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
All	2006-2019	All	All	All	All

Technical Background

Status Bit information can assist in determining additional ambient condition detail and occurrences of DTCS.

Keep in mind that bit information is read from right to left, **NOT** from left to right. Bit numbering always starts with a zero.

Service

- Bit 0 => This Bit is "Test Failed". This bit is set to 1 if the fault is active. It is set to 0 if the fault is passive or sporadic.

- Bit 1 => This Bit is "Test Failed This Operation Cycle". This bit is set to 1 if the fault has occurred anytime during the current operation cycle.

- Bit 2 => This Bit is for a "Pending DTC". This bit is set to 1 if the fault is pending. Pending DTCs become active only if they reoccur a certain number of times in a certain number of drive cycles. The number of reoccurrences and the number of drive cycles depends on the fault.

- Bit 3 => This Bit is "Confirmed DTC". This bit is set to 1 if the fault is active and matured. This bit indicates that the fault has been continuously active for a specific monitoring routine and is matured enough in the current operation cycle so that it can be said confirmed.

- Bit 4 => This Bit is "Test Not Completed Since Last Clear". This bit is set to 1 if the monitoring routine for this fault has not completed since the last time the DTCs were cleared.

- Bit 5 => This Bit is "Test Failed Since Last Clear". This is set to 1 if the monitoring routine has reported that test has failed in any operation cycle at least once after clearing the DTC action is performed.

- Bit 6 => This Bit is "Test Not Completed This Operation Cycle". This bit is set to 1 if the monitoring routine has not run during the current operation cycle.

- Bit 7 => This Bit is "Warning Indicator Requested/MIL on". This bit is set to 1 if the MIL light is turned on.

Numbering for BIT reading below:

7,6,5,4,3,2,1,0

0 0 0 0 1 0 0 0

DTC memory entries:

DTC memory entry

Number:	P091900: Gear Shift Position Control Error
Error type 2:	passive/sporadic
Symptom:	10643
Status:	00001000

Standard ambient conditions:

Date:	8/24/18
Time:	10:05:53 AM
Mileage (DTC):	8325
Priority:	0
Frequency counter:	3
Elimination counter / driving cycle:	255

Figure 1

Additional Information

Revision History

Revision Number	Released Date	Reason For Update
2052542/1	9/28/18	Original publication.