



<b>Topic</b>	45-18-03TT – Autonomous Braking Event - Data Gathering
<b>Market area</b>	United States 444 Volkswagen of America, Inc. (6444)
<b>Brand</b>	Volkswagen
<b>Date</b>	November 2, 2018

## Condition

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

### Autonomous Braking Event - Data Gathering

Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
Touareg	2015-2017	All	All	All	All
CC, Golf, GTI, Sportwagen, Golf R, Jetta, Passat, Tiguan	2016-2019	All	All	All	All
Atlas, Tiguan LWB	2018-2019	All	All	All	All

## Technical Background

The customer may have a concern their vehicle performed an unwarranted autonomous braking event.

## Service

Perform the test plan Distance Regulation Control Module -~~J428~~ in O.D.I.S. Service.

To locate the test plan:

- Enter the Select Self Test tab, select Systems with diagnostic capability, then 0013 – Distance Control (ACC), then Electrical components, and Distance Regulation Control Module -~~J428~~, finally, click attach to test plan.
- Once the test plan is complete, save the GFF log to the desktop as an .htm file. Open the saved log and select expand so all tabs are open. Scroll to the bottom of the log to locate the -~~J428~~- data.
  - Data in blue (lines 1-4) indicate a pre-warning or warning was given.
  - Data in red (lines 5-18) indicate a partial and-or full braking event.

**You should find data that looks like the following:**

```
0x1000: 0000; 0x1001: 00000000; 0x1002: 0000; 0x1003: 0000; 0x1004: 0000; 0x1005: 0000; 0x1006: 0000; 0x1013: 0000; 0x1014: 0000; 0x1015: 0000;
```

0x101C:5992873C04987CC3500161A800000B00002B0100002200EC00C901F9F92190090700290000000B000001E800001A0CF600210095:

0x101D: 5992876104987CC3500161A80001F000032FB00011EFFEA00D3FCF9F9209009070024000000000000FFEA00000D0AFA002E007F:

[illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible]

```
0x1032: 0014; 0x1033: 0000;
```

**If there are only zeros in lines 5-18:**

Check the MVB for **-J428-** misalignment angle. Ensure the angle is within specification ( $-0.8^{\circ}$  to  $+0.8^{\circ}$ ). If it is not, perform a calibration of the **-J428-**. Then refer the customer to the Owner's Manual and [www.knowyourvw.com](http://www.knowyourvw.com) for an explanation of the system operation and limitations.

**If there is any alphanumeric data in lines 5-18:**

Gather MVB information (via guided functions) from AW 13 Distance Control module/Adaptive Cruise Control, AW 8B - Distance Control Module 2/Adaptive Cruise Control 2, and AW A5 Front Sensors Driver Assistance System (some vehicle may not have all modules installed). With O.D.I.S. on the OBD screen, click on each module one at a time, use the dropdown box just above the module list, and select MVB and then green forward arrow. Display all MVB information for that selected module, then on the right side menu of O.D.I.S., there is "OBD Log", select this, then select "New", then "Add", then "Display". This will then open a HTM file that can be saved to the laptop. Do this for each of the modules requested.

Conduct a visual inspection of the radar sensor(s) and driver assistance camera, their mounting brackets, and glass. Note any signs of damage or distortion. Verify the sensors are properly secured in the mounting brackets. Note if there is any damage or obstruction to the glass in the front camera location, if equipped. Inspect the front bumper cover and grille for damage, distortion, or looseness. Take pictures of any findings.

Have the customer complete the Front Assist Questionnaire, as thoroughly as possible. The questionnaire can be found on Service Net under Technician References, Technician Helpline, Worksheets/Check Sheets.

Once all information is compiled, create a VTA case. Attach the GFF log (with **-J428-** test plan data), all MVBs, the completed Front Assist Questionnaire, and any pictures.



## Additional Information

Revision History		
Revision Number	Released Date	Reason For Update
2052848/1	11/2/18	Original publication.

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