	Technical Tip	Transaction No:	2052848/2
45-18-03TT - Autonomous Braking Event - Data Gathering		Release date:	11/08/2019

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
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

Revision Table				
Instance Number	Published Date	Version Number	Reason For Update	
2052848/2	11/8/19	45-18-03	Additional service instruction.	
2052848/1	11/2/18	45-18-03	Original publication.	

Technical Background

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

Service

Perform the test plan <u>Distance Regulation Control Module</u> -J428- in O.D.I.S. Service.

To locate the test plan:

- Enter the Select Self Test tab:
- Select Systems with diagnostic capability, and then 0013 Distance Control (ACC).
- Select 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.

	Technical Tip	Transaction No:	2052848/2
45-18-03TT - Autonomous Braking Event - Data Gathering		Release date:	11/08/2019

- 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; $0x\\ 101\\ C:5992873C04987CC3500161A800000B00002B0100002200EC00C901F9F9219009070029000000B000001E800001A0CF600210095;$ 0x101D: 5992876104987CC3500161A800001F000032FB00011EFFEA00D3FCF9F920900907002400000000000FFEA00000D0AFA002E007F; 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° to +0.8°). If it is not:

 Perform a calibration of the -J428-, and then refer the customer to the Owner's Manual and 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 vehicles 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.
- On the right side menu of O.D.I.S., there is "OBD Log", select this.
- 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.

- Check whether the sensor/body has any sign of damage and manually check the mounting.
- Inspect the front grill, the emblem, and the bumper for proper seating and fitment.
- Investigate whether the vehicle's front end has been damaged.

	Technical Tip	Transaction No:	2052848/2
45-18-03TT - Autonomous Braking Event - Data Gathering		Release date:	11/08/2019

- Obtain a photo of the Grill, Emblem, Bumper Cover and the back of the Radar Sensor, which will show all printed detail on it.
- Obtain photos of the -KX2- Instrument Cluster and of the Radio while the engine is running. The
 photos should include the vehicle's current time and date (with a clock next to it) as well as the
 mileage.
- Attach all information including photos, GFF log (w/-J428- test plan and MVBs), and completed
 questionnaire to the VTA ticket.

Example Pictures















	Technical Tip	Transaction No:	2052848/2
45-18-03TT - Autonomous Braking Event - Data Gathering		Release date:	11/08/2019

Additional Information

© 2019 Volkswagen Group of America, Inc. All rights reserved. Information contained in this document is based on the latest information available at the time of printing and is subject to the copyright and other intellectual property rights of Volkswagen Group of America, Inc., its affiliated companies and its licensors. All rights are reserved to make changes at any time without notice. No part of this document may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, nor may these materials be modified or reposted to other sites, without the prior expressed written permission of the publisher.

4