



# Technical Bulletin

| Model(s)                                    | Year | Eng. Code | Trans. Code | VIN Range From | VIN Range To |
|---|------|-----------|-------------|----------------|--------------|
| Golf/GTI, Golf R, Golf Sportwagon, Alltrack | 2018 | All       | All         | All            | All          |

## Condition

**96 18 07** September 26, 2018 **2052500**

### Blind Spot Detection and Side Assist Inoperative with DTC U104500

Blind spot and side assist is inoperative.

| DTC     | Description  |
|---------|--|
| U104500 | Lane Change Assistance Control Module No Communication |



#### Tip:

Validate fault code U104500 lane change assistance control module no communication is present in "Address: 0019 - Diagnostic interface for data bus".



#### Note:

**DO NOT** diagnose or replace components due to DTC U104500 **before** performing the update function as explained in this bulletin.

## Technical Background

A software-related deviation in the blind spot detection module -**J1086**-.

Loss of coding caused by CAN bus traffic.

## Production Solution

Improved software implemented at factory.



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## Service

### Procedure:

- Record customer driver assistance presets from multi-function indicator. They will be used later, after SVM flash 419B is completed (Figures 1 and 2).



Figure 1



Figure 2

### Note:

Deselect all presets prior to starting SVM.

To perform the software update after the full vehicle scan at GFF start-up:

- Click on the “Special Functions” tab in O.D.I.S. Service and select “Adapting Software”.
- Follow the on screen prompts using the SVM unit code as listed in the table below.

### Note:

Prior to launching the O.D.I.S. Service diagnostic applications and starting control module update process, confirm Date/Time & Time Zone.

The Windows date/time and time zone settings are used by the diagnostic software as a component of the diagnostic logs submitted for warranty purposes. If the date/time and time zone are incorrect on submitted diagnostic logs, warranty claim reimbursement may be questioned and/or delayed.

Ensure date/time etc. settings are correct as follows:

- From the Windows desktop toolbar, double click on the local time indicator (typically found in the lower right corner of the desktop).
- Use the tabs to ensure the current date/time, and time zone applicable to your location is set correctly.



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## Update-Programming Procedure:



### Tip:

To Update-Programming using SVM, review and follow instructions in Technical Bulletin 2014603 “Software Version Management”.

The SVM Process must be completed in its entirety so the database receives the update confirmation response. A warranty claim may not be reimbursed if there is no confirmation response to support the claim.

O.D.I.S. Service tester: The O.D.I.S. Service tester patch version 4.0.0 and the baseline version 2.33.3 or higher must be installed.

- Connect an InCharge 940 (INC-940) or GRX3000VAS battery tester/charger to the vehicle battery.
- Make sure that during the software update no electro-magnetic radiation sources (for example, mobile phones or cordless phones) are used in or near the vehicle.

A cable connection between the O.D.I.S. Service tester and the vehicle must be used. When using a Bluetooth or WIFI connection (diagnostic tool) the software update may fail.

- During the software update switch the hazard warning lights on to ensure a constant CAN data bus activity of the vehicle.
- Update the Blind Spot Detection Module using the SVM Unit code as listed in the table below:

| Part Number | Old Version | New Version | SVM Unit Code |
|-------------|-------------|-------------|---------------|
| 5Q0907686C  | SW 0080     | SW 0081     | 419B          |

- Once the update programming is complete, cycle the key off for 10 seconds.
- Clear DTC's, make sure no DTC's return.



### Note:

A DTC may remain in “Address: 0013 - Distance control” you must cycle key off again for 10 seconds to ensure fault clears.

- Reselect customer driver assist presets that you had captured previously.
- Select “side assist” from multi-function indicator and road test to validate operation of blind spot detection and side assist.



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## Warranty

| <b>To determine if this procedure is covered under Warranty, always refer to the Warranty Policies and Procedures Manual <sup>1)</sup></b>  |  |                          |                   |                |              |
|---|--|--------------------------|-------------------|----------------|--------------|
| Model(s)  | Year(s)  | Eng. Code(s)             | Trans. Code(s)    | VIN Range From | VIN Range To |
| Golf/GTI, Golf R, Golf Sportwagon, Alltrack   | 2018   | All                      | All               | All            | All          |
| <b>SAGA Coding</b>  |  |                          |                   |                |              |
| <b>Claim Type:</b>  | <b>Use applicable Claim Type <sup>1)</sup></b> |                          |                   |                |              |
| <b>Service Number:</b>  | <b>Damage Code</b>                             | <b>HST</b>               | --                |                |              |
| 9635  | 0040   | --                       | --                |                |              |
| <b>Parts Manufacturer</b>   | Golf/GTI, Golf R, Golf Sportwagon, Alltrack    |                          | HLH <sup>2)</sup> |                |              |
| <b>Labor Operation <sup>3)</sup> : Charge Battery</b>   |  | 27068950 = 10 TU         |                   |                |              |
| <b>Labor Operation <sup>3)</sup> : Update Programming</b>   |  | See GFF Time expenditure |                   |                |              |
| <b>Causal Part: Select Labor Operation</b>  |  | 01500000                 |                   |                |              |
| <b>Diagnostic Time <sup>4)</sup></b>  |  |                          |                   |                |              |
| <b>GFF Time expenditure</b>   | 01500000 = Actual GFF Printout, 60 TU Max.     |                          | YES               |                |              |
| <b>Road Test</b>  | 01210004 = 10 TU                               |                          | YES               |                |              |
| <b>Technical Diagnosis</b>  | 01320000 = 00 TU max.                          |                          | NO                |                |              |
| <b>Claim Comment: Input "As per Technical Bulletin 2052500" in comment section of Warranty Claim.</b>   |  |                          |                   |                |              |
| <sup>1)</sup> Vehicle may be outside any Warranty in which case this Technical Bulletin is informational only<br><sup>2)</sup> Code per warranty vendor code policy.<br><sup>3)</sup> Labor Time Units (TUs) are subject to change with ELSA updates. |  |                          |                   |                |              |



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4) Documentation required per Warranty Policies and Procedures Manual.

## Required Parts and Tools

No special parts required.

| Tool Description                  | Tool No:   |
|-----------------------------------|--|
| Midtronics Battery Tester/Charger | InCharge 940 (INC-940)<br>or<br>GRX3000VAS                               |
| VAS Diagnostic Tool               | VAS 6150/X & VAS 6160/X and<br>ODIS Service with: current online updates |

## Additional Information

All part and service references provided in this Technical Bulletin are subject to change and/or removal. Always check with your Parts Dept. and Repair Manuals for the latest information.

| Document Control Revision Table |                |                |                       |
|---------------------------------|----------------|----------------|-----------------------|
| Instance Number                 | Published Date | Version Number | Reason For Update     |
| 2052500/1                       | 9/26/18        | V961807        | Original publication. |