Condition

Applicable Vehicles						
Model(s)	**Year**	**Eng. Code**	**Trans. Code**	**VIN Range From**	**VIN Range To**	**PR Code**
Jetta	2019	All	All	BU_KM000001	BU_KM186986	9S0

Revision Table			
Instance Number	**Published Date**	**Version Number**	**Reason For Update**
2054011/1	8/21/19	90-19-01	Original publication.

The customer reports the Digital Cockpit instrument cluster screen is blank or has no display and multiple warning lamps are illuminated in the instrument cluster.

The following DTC is stored in the Instrument Cluster Control Module *-J285-* diagnostic address 17:

DTC	Description
B159AF0	Monitored display output Replacement function activated (static or sporadic)

Technical Background

Start-up initialization error in software of the Instrument Cluster Control Module *-J285-*.

Production Solution

Optimized software in the Instrument Cluster Control Module *-J285-*.

Service

⚠️**Note:**

Review and follow instructions in Technical Bulletin 01-18-12 "Software Version Management" (2014603).

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.

Prior to launching the ODIS service diagnostic applications and starting control module update process, confirm the date/time and time zone in Windows. 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.

- The ODIS tester patch version **5.1.3** and the baseline version **2.38.0** or higher must be installed.

- Connect an InCharge 940 (INC-940) or GRX3000VAS battery tester/charger to the vehicle battery.

- Do not operate the instrument cluster and the radio-navigation system during the update.

- Do not start the engine during the update.

- 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 ODIS 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.

Tip:

Inform the customer in advance, that when this Instrument Cluster Control Module update is performed, the user settings in the radio-navigation system will be reset.

Step 1: Make the SD card for software update using the SD Creator

1. Refer to Technical Bulletin 00-19-04 "Set Up SD Creator to Obtain Software Updates" (2054866).

2. Read out the part number and software version of the instrument cluster using GFF > Control Module List > 0017 – Dash Board > Guided Functions > 0017 – Identification

3. Using the table below, select the required SD card part number which corresponds to the part number and software version of the instrument cluster.

4. Label the SD card with the SD card part number prior to use.

Instrument Cluster Part Number	Instrument Cluster Software Version	SD Card Part Number (Made using the SD Creator)	Size
17A 920 790	0600, 0610, 0620	3G0 919 360 EQ	1 GB
17A 920 890			
17A 920 790 A	1690, 1691	3G0 919 360 EP	
17A 920 890 A			

Step 2: Use the SD card with SVM to perform the software update

1. The process of using the SD card to perform the update is controlled by the ODIS tester using Software Version Management (SVM).

2. Connect the ODIS tester to the vehicle and start Guided Fault Finding (GFF).

3. After the full vehicle scan, click on the "Special Functions" tab and select "Adapting Software".

4. Hold the key against the immobilizer reader coil on the steering column continuously during this entire software update (Figure 1).

Figure 1.

5. Select "Software update via measure code" and enter the SVM code as listed in the table below and follow the on-screen prompts.

6. When prompted, insert the SD card with the correct part number (made according to the table above in Step 1) into the SD1 card slot of the Information Electronics Control Module 1 *-J794-*.

⚠️**Note:**

Only an SD card made using the SD Creator may be used. Using an SD card copied outside of the SD Creator can cause control module damage if the software update fails.

7. Upon confirming the location of the SD card, the ODIS tester starts and monitors the software update process and displays the progress (Figure 2).
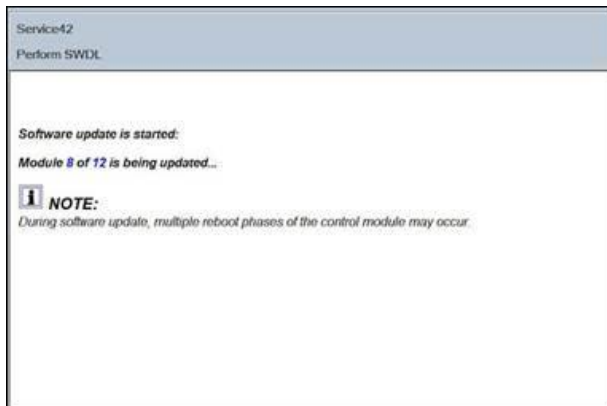

Figure 2.

8. The progress is also displayed on the infotainment system display (Figure 3).
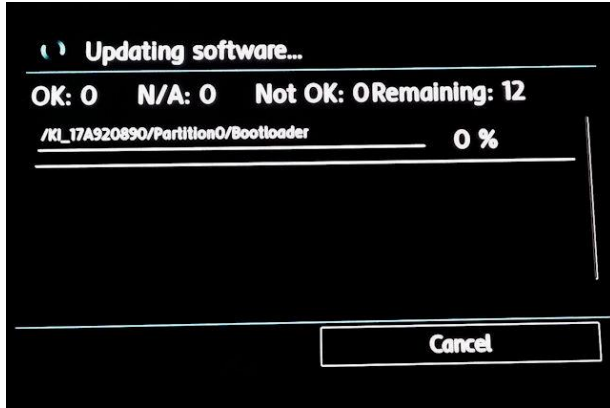

Figure 3.

9. The control module may reboot during the software update process.

10. After the software update has completed successfully, the ODIS tester displays a confirmation message (Figure 4).
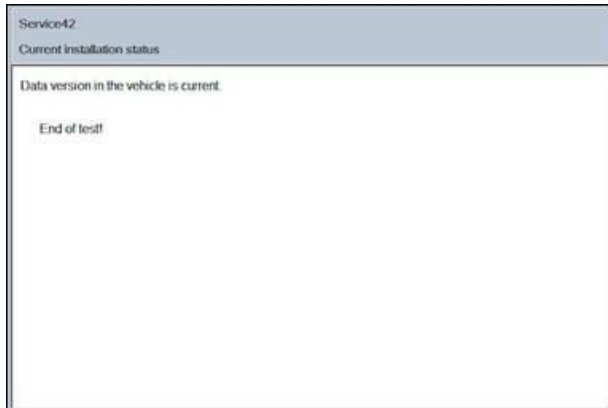

Figure 4.

Old Part Number	Old Software Version	New Part Number	New Software Version	SVM Code
17A 920 790	0600, 0610, 0620	17A 920 790	0640	FPK1
17A 920 890		17A 920 890		
17A 920 790 A	1690, 1691	17A 920 790 A	1701	
17A 920 890 A		17A 920 890 A		

Step 3: Ignition Key Cycle

After the software update process has finished completely, perform an additional ignition key cycle.

1. Switch ignition "OFF" for 10 seconds.

2. Switch ignition "ON" and continue.

Step 4: Check Instrument Cluster Language

Check whether the language in the Instrument Cluster has changed. If necessary, adjust the language of the Instrument Cluster.

Warranty

To determine if this procedure is covered under Warranty, always refer to the Warranty Policies and Procedures Manual [1]					
Model(s)	**Year(s)**	**Eng. Code(s)**	**Trans. Code(s)**	**VIN Range From**	**VIN Range To**
Jetta	2019	All	All	BU_KM000001	BU_KM186986
SAGA Coding					
Claim Type:	Use applicable Claim Type [1]				
Service Number:	**Damage Code**		**HST**	**Damage Location (Depends on Service No.)**	
9025	0039		--	--	
Parts Manufacturer		Jetta		VDD [2]	
Original Part Number:		17A 920 890			
		17A 920 890 A			
Labor Operation [3]: Charge Battery		27068950 = 10 TU			
Labor Operation [3]: Update Programming		See GFF Time Expenditure			
Causal Part: Select Labor Operation		01500000 = 100 TU Max.			
Diagnostic Time [4]					
GFF Time expenditure	01500000 = Actual GFF printout (100 TU Max.)		Yes		

Road Test	01210002 = 00 TU	No
	01210004 = 00 TU	
Technical Diagnosis	01320000 = 00 TU max.	No

Claim Comment: Input "As per Technical Bulletin 2054011" in comment section of Warranty Claim.

[1] Vehicle may be outside any Warranty in which case this Technical Bulletin is informational only.

[2] Code per warranty vendor code policy.

[3] Labor Time Units (TUs) are subject to change with ELSA updates.

[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) or GRX3000VAS
VAS Diagnostic Tool	VAS 6150/X & VAS 6160/X with 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.