

Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
Beetle, Beetle Convertible	2016	All	All	All	All

## Condition

91 17 02 March 30, 2017 2047362

#### MIB2 – Component Protection Error on Radio Display

The customer may state that an error message appears on the radio display that reads "Component protection is active". This concern may also affect operation of the radio and may be intermittent/sporadic.

### **Technical Background**

This procedure corrects the concern(s) specified below by updating the Instrument Cluster to the latest software level **0407**.

## **Production Solution**

Not applicable.

#### Service

**Note:** 

This technical bulletin must be read in its entirety before attempting the software update.

#### Software Update Procedure

- Connect Midtronics InCharge 940 (INC 940) or GRX3000VAS Tester/Charger to the vehicle's battery.
- Switch the ignition to the ON position.
- Connect the diagnostic tester to the vehicle's DLC (Data Link Connector).
- Launch the ODIS application.
- Begin Guided Fault Finding (GFF) by clicking on "Starting Diagnosis".
- Allow GFF to complete interrogation of the vehicle's control modules.

© 2017 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.



mporter: Dealer: RO:		444 03999 	VIN: Engine:	3VWJ17AT4GM635861 CPKA 1.8I Simos / 125 kW	🧈 🦺 🏷	
Control mode	ules Orders	DISS TSB Test plan	Operation Special Functions			
Control mod	dule list (49 en	tries)				
Address	Incident	Name				
0026	0	Electronic Roof Contr	ol (Not yet identified) (	)		
0036	0	Seat Adjustment Driv	er Side (Not yet identified) (	·····)		
0046	0	Central Module Com	ort System (Not yet identified)	()		
0056	0	Radio (Not yet identifi	ed) ()			
0076	0	Parking Assistance (f	Not yet identified) ()			
0017	0	Dash Board (17 - Ins	trument cluster) (5C5920975	0405 KOMBI )	E	
0037	0	Navigation (Not yet id	Navigation (Not yet identified) ()			
0047	0	Sound System (Not y	et identified) ()			
0057	0	TV Tuner (Not yet ide	TV Tuner (Not yet identified) ()			
0077	0	Telephone (Not yet identified) ()				
Networking	diagram Con	trol Module List Compo	nents List DTC memory list	quipment list		

- Once the GFF interrogation of the control modules has been completed, click on the "Control Modules" tab and scroll down the list of modules to locate "Dash Board (17 – Instrument cluster)".
- Right click on "Dash Board (17 Instrument Cluster) and click on "Control Module OBD" from the drop down menu.

- Select "Identification" from the OBD functions pop up menu.
  - Click "Perform".

Dutput Diagnostic Test Mode Basic Setting Coding Measured values	DTC memory dentification	
Basic Setting Coding Measured values Adaptation		c Test Mode
Coding Measured values Adaptation	Basic Setting	
Adaptation	Coding	
	Measured values	i
Access Authorization	Adaptation	
	Access Authoriza	ation

© 2017 Volkswagen Group of America, Inc.

Page 2 of 9



C memory
Software version
0405

- Once the identification screen populates, check the "Software version" in the upper right hand side of the screen.
- If the currently installed "Software version" is lower than **0407**, proceed with this Technical Bulletin.
- If the currently installed "Software version" is greater than or equal to 0407, this work procedure does not apply.
- Return to GFF by clicking the "Diagnosis" button in the upper right hand side of the screen.

mporter: Dealer: RO:	444 03999 	VIN: Engine:	3VWJ17AT4 CPKA 1.8I S	IGM635861 imos / 125 kW	🧀 🛃 🍉		
control modules Results	Test plan					Operating mo	
0017 - Dash Board (UD	DS/ISOTP/5C59	20975 / 0405 / H52 / EV_KombiU	DSMM9RM10 / A05803)	DTC memory	- 10	🌚 Diagnosis	5
System identification	Part number			5	Software version	) OBD	
KOMBI	5C5920975			(	0405	🐗 Flash	
						Measurer	ment
						😭 Info	
Show complete identifi	cation				Update	Admin	
Attribute		Value			Î		
VW/Audi part numbe	a	5C5920975			3	Log	
SoftwareVersion		0405				Data	
Hardware part numb	er	5C5920975				Data	
HardwareVersion		H52				Extras	
ASAM/ODX file ident	tification	EV_KombiUDSMM9RM10				Help	
ilter:					+ -	Info	1
0017 - ID					×	>	0
/ KombiUDSMM9RM10 / AD5	909				4		



mporter: Dealer: RO:	444 03999 				3VWJ17AT4GM635861 CPKA 1.8I Simos / 125 kW	🧀 🦺 🏷	
control modules	Orders DI	SS TSB	Test plan	Operation	Special Functions		
lests for the ent	ire vehicle						
Status T	ests						
-	5F - I	nstallation	status test	/reset DTC	memory		
s	oftware vers	sion mana	gement				
-	Adap	t software	(offline)				
	Adap	ting softwa	are				
-	Code	online co	ntrol modul	e			
-	Ctrl. n	nodule sof	ftware conf	iguration			
-	Funct	tion clearin	ng system (	FES)			
-	Funct	tion enable	e system (F	ES) status			
S	pecial meas	ures					
-	Adam	t enftware	eteering w	heel electro	nice		-
SYS_X_X_1_07	11_X_SER	VICE42_S	VM@0001	1			•
De familie	0						-
Perform test	Display doci	uments					

- Click on the "Special Functions" tab.
- Select "Adapt software".
- Click "Perform Test".

mporter: )ealer:	444 03999	VIN: Engine:	3VWJ17AT4GM635861 CPKA 1.8I Simos / 125 kW	🧀 🦺 🗞
ontrol modules	Orders DISS TSB Test p	an Operation Special Functions		
Service42	1 1 1		1	-1-
Select action				· 2 ·
With the help of conversions and	the software version manage d retrofits.	ment (SVM), you can update the s	oftware for control modules to perform	- 3 -
1. Update softw	e, please select. are via diagnostic address			- 4 -
3. Perform mod	are via action code flication or retrofit ersion/retrofit solution with lic	ance protection		· 5 ·
5. Cancel	ersion region solution with no	ense protection		

Select option 2, "Update software via action code".

•

 Enter Geko ID whenever prompted throughout the update process.

© 2017 Volkswagen Group of America, Inc.

Page 4 of 9



S Offboard Diagnostic I Importer: Dealer: RO:	444 03999	VIN: Engine:	3VWJ17AT4GM635861 CPKA 1.8I Simos / 125 kW	🧀 🛃 🏷	•	Enter SVM code <b>3EFF</b> whe prompted.
	Orders DISS TSB Test pla	n Operation Special Functions			٠	Click "Accept".
Service42				FF		
Enter diagnostic	address/measures code			Accept		
Please enter the	corrective action code.		*			
In the next step, the	he vehicle data will be read ou	ıt.				
BB		4 5 51	-			
		< > >	Help Cancel test			
				Test version		
	Information System Service - 3.1.3	1			•	Press "Complete/Continue"
Importer:	Information System Service - 3.1.3 444 03999	VIN: Engine:	3VWJ17AT4GM635861 CPKA 1.8 Simos / 125 KW	🚹 Test version	•	Press "Complete/Continue"
Importer: Dealer:	444				•	Press "Complete/Continue"
Importer: Dealer: RO:	444 03999 		CPKA 1.8I Simos / 125 kW	ar 1. V	•	Press "Complete/Continue"
Importer: Dealer: RO:	444 03999 	Engine:	CPKA 1.8I Simos / 125 kW	ar 1. V	•	Press "Complete/Continue"
Importer: Dealer: RO: Control modules	444 03999 	Engine:	CPKA 1.8I Simos / 125 kW	20 tu vo	•	Press "Complete/Continue"
Importer: Dealer: RO: Control modules Service42 Login Next the data will	444 03999  Orders DISS TSB Test pla	Engine:	CPKA 1.8I Simos / 125 kW	20 tu vo	•	Press "Complete/Continue"
Importer: Dealer: RO: Control modules Service42 Login Next the data will For this, a conne	444 03999  Orders DISS TSB Test pla DISS TSB Test pla	Engine:	CPKA 1.8I Simos / 125 KW	20 tu vo	•	Press "Complete/Continue"
Importer: Dealer: RO: Control modules Service42 Login Next the data will For this, a conne - Connect vehicle	444 03999  Orders DISS TSB Test pla Use transferred online. ction must be set up. e diagnostic tester with approp	Engine:	CPKA 1.8I Simos / 125 KW	20 tu vo	•	Press "Complete/Continue"
Importer: Dealer: RO: Control modules Service42 Login Next the data will For this, a conne - Connect vehicle	444 03999  Orders DISS TSB Test pla DISS TSB Test pla	Engine:	CPKA 1.8I Simos / 125 KW	20 tu vo	•	Press "Complete/Continue"
Importer: Dealer: RO: Control modules Service42 Login Next the data will For this, a conne - Connect vehicle	444 03999  Orders DISS TSB Test pla Use transferred online. ction must be set up. e diagnostic tester with approp	Engine:	CPKA 1.8I Simos / 125 KW	20 tu vo	•	Press "Complete/Continue"
Importer: Dealer: RO: Control modules Service42 Login Next the data will For this, a conne - Connect vehicle	444 03999  Orders DISS TSB Test pla Use transferred online. ction must be set up. e diagnostic tester with approp	Engine:	CPKA 1.8I Simos / 125 KW	20 tu vo	•	Press "Complete/Continue"
Importer: Dealer: RO: Control modules Service42 Login Next the data will For this, a conne - Connect vehicle	444 03999  Orders DISS TSB Test pla Use transferred online. ction must be set up. e diagnostic tester with approp	Engine:	CPKA 1.8I Simos / 125 KW	20 tu vo	•	Press "Complete/Continue"
Importer: Dealer: RO: Control modules Service42 Login Next the data will For this, a conne - Connect vehicle	444 03999  Orders DISS TSB Test pla Use transferred online. ction must be set up. e diagnostic tester with approp	Engine:	CPKA 1.8I Simos / 125 KW	20 tu vo	•	Press "Complete/Continue"
mporter: Dealer: RO: Control modules Service42 Login Next the data will For this, a conne - Connect vehicle	444 03999  Orders DISS TSB Test pla Use transferred online. ction must be set up. e diagnostic tester with approp	Engine:	CPKA 1.8I Simos / 125 KW	20 tu vo	•	Press "Complete/Continue"
Importer: Dealer: RO: Control modules Service42 Login Next the data will For this, a conne - Connect vehicle	444 03999  Orders DISS TSB Test pla Use transferred online. ction must be set up. e diagnostic tester with approp	Engine:	CPKA 1.8I Simos / 125 KW	20 tu vo	•	Press "Complete/Continue"
Importer: Dealer: RO: Control modules Service42 Login Next the data will For this, a conne - Connect vehicle	444 03999  Orders DISS TSB Test pla Use transferred online. ction must be set up. e diagnostic tester with approp	Engine:	CPKA 1.8I Simos / 125 KW	20 tu vo	•	Press "Complete/Continue"
Importer: Dealer: RO: Control modules Service42 Login Next the data will For this, a conne - Connect vehicle	444 03999 	Engine:	CPKA 1.8I Simos / 125 KW	20 tu vo	•	Press "Complete/Continue"

© 2017 Volkswagen Group of America, Inc.

Page 5 of 9



nporter:	444	VIN:	3VWJ17AT4GM635861	🦛 🖡 💊
ealer:	03999	Engine:	CPKA 1.8I Simos / 125 kW	
.0:				
	Orders DISS TSB Te	st plan Operation Special Funct		
Service42				Complete/Continue
	JT START XXXXX			
The following co	ontrol modules will be upo	ated to a recent version number:	<u>^</u>	
I: 17 Instrument Flash 2:	t cluster			
3:				
1:				
i:			#	
6:				
7:				
B:				
э:				
10:				
a a		< < > >	Help Cancel test	

- Press "Complete/Continue".
- The software update will now take place.
- Follow all prompts on the screen during the update process to allow the update to complete.

- Offboard Diagn ation System Service - 3.1.3 Importer: 444 VIN: 3VWJ17AT4GM635861 🧀 惧 Dealer 03999 Engine CPKA 1.8I Simos / 125 kW RO: DISS TSB n Operation Service42 Complete/Continue XXXXX OUTPUT STOP XXXXX The following control modules have been updated to a recent version number. 1: 17 Instrument cluster Flashing OK 2: 3: 4: 5: 6: 7: 8: 9: 10 K < > > 2 Help Cancel test
- After the update has been performed, click "Complete/Continue" in the upper right hand side of the screen.

•

#### © 2017 Volkswagen Group of America, Inc.

Page 6 of 9



porter:	444	VIN:	3VWJ17AT4GM635861	/ I - Sa
aler:	03999	Engine:	CPKA 1.8I Simos / 125 kW	
D:				<b>•••</b>
	Orders DISS TSB	Test plan Operation Special Functi	lons	
ervice42				Complete/Continue
urrent installa	ion status			
)ata version in	the vehicle is current.		*	
End of test.				
	I.	K < > >	-	

- Click "Complete/Continue" at the end of test.
- The update process is now complete.

© 2017 Volkswagen Group of America, Inc.

Page 7 of 9



#### Warranty

To determine if this procedure is covered under Warranty, always refer to the Warranty Policies and Procedures Manual <sup>1)</sup>

Frocedures Man			1	1	1		
Model(s)	Yea	ar(s)	Eng. Code(s)	Trans. Code(s)	VIN Ran	ge From	VIN Range To
Beetle, Beetle Convertible	2016		All	All	All		All
			SAGA	Coding			
Claim Type: Use applicable Claim				1)			
Service Num	ber:		Damage Code	HST			age Location s on Service No.)
9025			0039		Use applicable indicated in Elsa		•
Parts Mar	nufacture	er				ММ	5 <sup>2)</sup>
Labor Operation	<sup>3)</sup> : Charg	e Battery		27068950 = 10 TU			
Labor Operation	<sup>3)</sup> : Updat	e Prograr	nming	See GFF Time expenditure			
Causal Part: Sele	ct Labor	Operatio	n	01500000			
			Diagnost	ic Time <sup>4)</sup>			
GFF Time expenditure		01500000 = actual GFF print out - 50 T.U. max.		YES		ES .	
Road Test		01210002 = 00 TU 01210004 = 00 TU		NO		0	
Technical Diagno	osis		01320000 = 00 TU	: 00 TU max.		NO	
Claim Comment:	Input "A	s per Tec	hnical Bulletin 204	17362" in commen	t section	of Warra	nty Claim.
<sup>1)</sup> Vehicle may be		-	anty in which case	e this Technical Bu	ulletin is i	nformatio	onal only

<sup>2)</sup> Code per warranty vendor code policy.

<sup>3)</sup> Labor Time Units (TUs) are subject to change with ELSA updates.

<sup>4)</sup> Documentation required per Warranty Policies and Procedures Manual.

Page 8 of 9



## **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 and
	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
2047362/1	3/30/17	V911702	Original publication.