Quick tip



Version 1.0 Title: Extended range add on.

(Only applies to 2019 Tiguan LWB, Jetta, GLI built after CW36/18, Atlas built after CW42/2018, 2020 Arteon)



Extended range kit part number: 000065760

Page 1 of 11

"Always install the product according to the manufacturer's instructions. Modifications to the vehicle or accessory, or improper installation of the accessory can result in damage or failure."

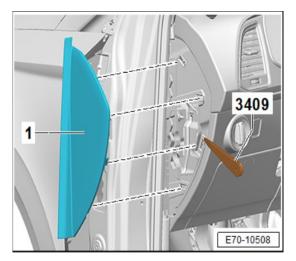
© 2020 Volkswagen Group of America, Inc.

ver1.2

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.

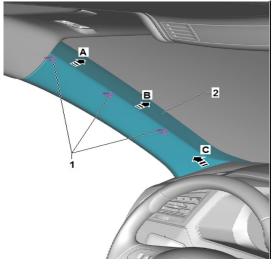
February 11th, 2020





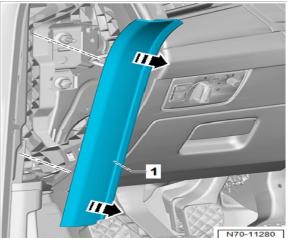


- Bend the door seal molding outward in the instrument panel cover area.
- Pry out the instrument panel side cover -1- with the -3409- near the catches.
- Pull the cover toward the rear and remove it.



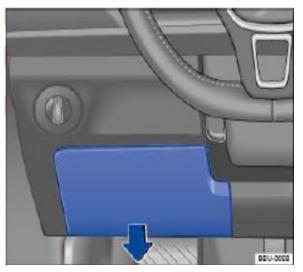
Step 3:

- Remove the A-pillar upper trim panel
- Note: Inspect and replace the fasteners if necessary, part numbers 5NA867276B (x2) and 5G0867276A (x1).



Step 2:

- Unclip the A-pillar gap cover -1- from the Apillar upper trim panel and A-pillar lower trim panel -arrows-.
- Loosen the A-pillar gap cover -1- from the door seal molding and remove it upward.



Step 4:

• Remove fuse panel cover.

Page 2 of 11

"Always install the product according to the manufacturer's instructions. Modifications to the vehicle or accessory, or improper installation of the accessory can result in damage or failure."

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.

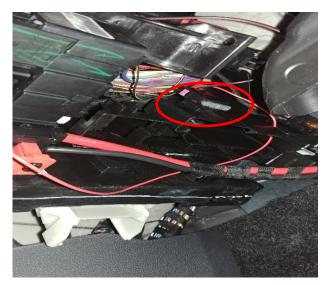


Original design harness



Step 5a:

- Insert red wire into the fuse holder.
- Insert black/red wire into fuse holder.
- Insert the 2-amp fuse into the fuse holder.



Step 6a:

• Mount the fuse holder to the bracket on the side of the relay panel.

New design harness





Step 5b:

No harness preparation is required.



Step 6b:

 Insert fuse holder into location SC20, SC7 or SC8 can be used if there is a fuse larger than 10 amp already in location SC20.

Page 3 of 11

"Always install the product according to the manufacturer's instructions. Modifications to the vehicle or accessory, or improper installation of the accessory can result in damage or failure."

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.





Step 7a:

• Insert the power wire in any open location shown above.



Step 8:

• Use a cable tie and secure the module at the base of A-pillar.

Original and new design harness





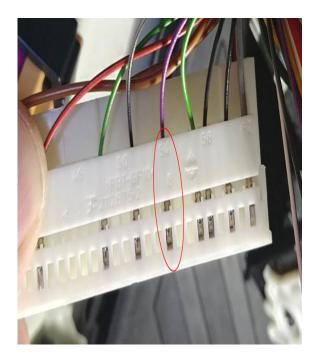
• Route ground wire behind lower Apillar trim and connect to the chassis ground location under the carpet near the base of A-pillar.

Page 4 of 11

"Always install the product according to the manufacturer's instructions. Modifications to the vehicle or accessory, or improper installation of the accessory can result in damage or failure."

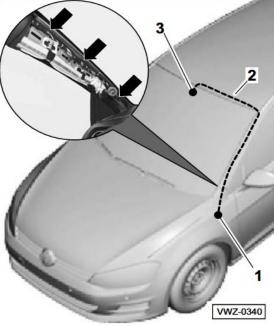
All rights reserved. Information contained in this document is based on the latest information available at the time of printing and is subject to the copyright and other intellectual property rights of Volkswagen Group of America, Inc., its affiliated companies and its licensors. All rights are reserved 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.





Step 10:

- On white BCM connector, insert line wire from kit into location 54.
- Note: If there is already a wire in this location use the provided splice connector.



Step 11:

- Route the antenna cable (supplied in the kit) -2- vertically on the left hand side of the mirror mount up to the headliner.
- Tuck the cable behind the headliner and down the "A" pillar and connect it to the module.
- Use the small wire ties -arrows- to secure the cable to the factory harness located within the "A" pillar.

Page 5 of 11

"Always install the product according to the manufacturer's instructions. Modifications to the vehicle or accessory, or improper installation of the accessory can result in damage or failure."

© 2020 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.



Step 12:

• Reinstall all trim panels and the BCM connector that was previously removed.

Step 13:

- Connect battery charger/maintainer.
- Connect scan tool.
- Scan the vehicle using GFF.
- Select Special Functions / Adapting software.
- Select Adapting Software and Option 2. Enter SVM code 425D to update BCM.

Offboard Dia	gnostic Infor	mation System Service	e - 4.3.3								00	X
importer: Dealer: RO:			444 03999 			VIN: Engine:	3VWC57BU2KM000702 all engine identifier codes		0	6	Ø	6
Control mor	dules Ord	ers DISS TSB	Test plan	Operation	Special Functions				-		ng modes	s •
Control mo	dule list (70 entries)								De Dieg	ania -	
Address	Event	Name							ń I	DBD 🗯		
0020	0	High Beam A	ssistance ((Not yet ide	ntified) ()				Q . F 10.57		
0080	0	Battery Regu	lation Auxi	liary Accum	ulator 1 (Not yet i	dentified) ()			6	🕰 Meas	surement	t
0000	0	Actuator For	Exterior N	oise (Not ye	t identified) ()				😢 Info		
0001	0	Engine Contro	ol Module	1 (0001 - E	ngine electronics	1.2 - 1.4 FSI) (04E906024	B 5594 R4 1.4I TSI)		8	Admi	n	
0051	0	Drive Motor C	Control Mo	dule (Not y	et identified) ()			l	Log		
0002	0	Transmission	Control M	lodule (000	2 - Automatic tran	smission 8-speed 09S) (0	95927158R 3510 AISIN 8G30/18)		1	Data		
0022	0	All Wheel Cor	ntrol (Not y	vet identifie	d) ()					Extras		
0032	0	Lock Electron	nics (Not ye	et identified) ()					Help		
0042	0	Door Electron	nics Driver	Side (0042	- Driver's Door El	ectronics) (5Q4959393E	0032 TSG FS)					
0052	0	Door Electron	nics Passe	nger Side (0052 - Front Pass	enger Door Electronics) (5	5Q4959392E 0032 TSG BFS)		1	Info		
0082	0	Head Up Disp	play (Not y	et identified) ()				1	Trace		
0003	0	Brakes 1 (000	03 - Brake	Electronics) (5Q0614517CT	0653 ESC)						
0013	0	Adaptive Crui	ise Control	(0013 - Di	stance Control (Ad	CC)) (5Q0907572N 0681	1 ACC BOSCH MQB)					
0023	0	Brake Boost	(Not yet id	entified) ()							
Networking	diagram	Control Module	List Com	ponents Lis	f DTC memory lis	t Equipment list						
O Diagnos	is 🔳 Dis	play 💐 Sorti	ing							*	121	0
								0				

Step 14:

Select "OBD."

Page 6 of 11

"Always install the product according to the manufacturer's instructions. Modifications to the vehicle or accessory, or improper installation of the accessory can result in damage or failure."

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.



Offboard Diagnostic Information	on System Service - 4.3.3								(i) X
Importer: Dealer: RO:	444 03999	VIN: Engine:	3VWC57BU2KM000702 all engine identifier codes				1. No. 1.		
Control modules Events			1 <u>1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 </u>					Operating mo	des *
		tule OBD Basic Setting						O Diagnosis	
Vehicle OBD: Total D	Control mot	Basic Setting				_		DBD	
System		7.		SB E			Update	CE Flash	
+ 0019 - Gateway (UD	DS / ISOTP / 3Q0907530L / 5323 / 518	/ EV_GatewNF 013023)			OK		Now	A Measurem	ent
0001 - Engine Con	trol Module 1 (UDS / ISOTP / 04E906	024B / 5594 / H20 / EV_ECM14TFS01104	E906024B 001003)	c	ж		cyclic	😭 Info	
0002 - Transmissio	on Control Module (UDS / ISOTP / 095	927158R / 3510 / 301 / EV_TCMAQ3000	31 001008)	c	ж		0 s	Admin	
0003 - Brakes 1 (l	UDS / ISOTP / 5Q0614517CT / 0653 /	H62 / EV_Brake1UDSContiMK100IPB 037	009)	0	ж				
0000 78 001010			1407	_		1		Log	
0009 - Central Elec	ctrics (UDS / ISOTP / 5Q0937087BB /	0265 / 036 / EV_BodyContrModul1UDSBc	osc 019001)	c	ж			Data	
0013 - Mulapove Cr		12111008111H101EV_ACCBO3CHV141	0.002008)					Extras	
0015 - Airbag (UD	05 / ISOTP / 5Q0959655AG / 0336 / 00	4 / EV_AirbaVW20SMEVW37X 002158)		c	ж			Help	
0017 - Dash Board	UDS / ISOTP / 17A920840 / 0310 / :	207 / EV_DashBoardVDDMQBAB 009060)		1				Info	
002B - Steering Co	olumn Locking (UDS / ISOTP / 2Q090	861A / 0021 / H07 / EV_ELVMarqMQBA0	002002)	c	ж			Trace	
003C - Lane Chan	ge Assistant (UDS / ISOTP / 2Q09076	86A / 0052 / H03 / EV_HREntryHellaGen3	KI15 001009)	D C	ж				
0042 - Door Electro	onics Driver Side (UDS / ISOTP / 5Q4	959393E / 0032 / 011 / EV_DCUDriveSide	EWMAXCONT 006001)	c	ж				
0044 - Steering As	sistance (UDS / ISOTP / 5QM909144	8 / 1081 / 172 / EV_SteerAssisMQB 0151	57)	c	ж				
Networking diagram Co	ntrol Module List Components List D7	C memory list Equipment list							
O Diagnosis S Displa	y 4 Serting							* 2	0
Secondary self diagnostic exit was en	nded.					0	Read control me	xtules again	

Step 15:

• Select "0009 – Central Electrics" basic settings, then select "green arrow."

Importer: Dealer: RO:	444 03999	VIN: Engine:			57BU2KM000702 ine identifier codes			Ø	0
Control modules Events	s							Operating m	odes *
				1010001	DTC memory		0	Diagnosis	
	s (UDS / ISOTP / 5Q0937087BB / 0	265 / 036 / EV_BodyContrMe	odul1UDSBosc	/ 019001)	DTC memory		-	DBD	
UDS basic settings -	Basic settings selection							& Flash	
Name		m	Select	ion				A Measurer	ment
Activation of electrical	auxiliary heater							📦 Info	
Basic headlamp settin	9							Admin	
Acknowledge basic se	tting								
Adapt seat fan		1	30					Log	*
Light sequence HU tes	st		~				~	Data	*
Rear window defogge			>					Extras	
steering wheel heater		1	<				\sim	Help	
Wiper park position he			land l					Info	
			*						
Automatic test sequen								Trace	*
Adapting RF transmitte	er via barcode								
Resetting of all adapta	tion values	-							
Filter:							N		
						<	>		
0009 - GES							×	*	0
EV BCMMQB / 019005						0			

Step 16:

• Select "adapting RF transmitter via barcode" then select the "arrow."

Page 7 of 11

"Always install the product according to the manufacturer's instructions. Modifications to the vehicle or accessory, or improper installation of the accessory can result in damage or failure."

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.



Offboard Diagnostic Information System Servi	ice - 4.3.3			Incoment, Mart					
Importer:	444	VIN:		3VWC57BU2KM00070		🚙 🔩	0		
Dealer: RO:	03999	Engine:		all engine identifier co	des				0
r r								~	
Control modules Events								Operating m	
0009 - Central Electrics (UDS / ISO	OTP / 5Q0937087BB / 0265 / 036 / EV	BodyContrM	lodul1l	JDSBosc / 019001)	DTC memory	•	\bigcirc	🌚 Diagnosi	s
UDS basic settings - Basic setti	ngs selection							🍅 OBD	
- -			1					S Flash	
Name				Selection				🛆 Measure	ment
Activation of electrical auxiliary hea	ater			Adapting RF transmitter via barcode				😭 Info	
Basic headlamp setting								🎯 Admin	
Acknowledge basic setting								Log	¥
Adapt seat fan		=	>>>					LOg	Ť
Light sequence HU test								Data	¥
Rear window defogger			>					Extras	¥
steering wheel heater			<					Help	¥
Wiper park position heater			*					Info	¥
Automatic test sequence								Trace	¥
Resetting of all adaptation values									
Energy management		-							
Filter:									
						<	>		
0009 - GES							×	>	0
EV_BCMMQB / 019005									

Step 17:

Select the "next arrow." •

Page 8 of 11

"Always install the product according to the manufacturer's instructions. Modifications to the vehicle or accessory, or improper installation of the accessory can result in damage or failure."

^{© 2020} 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:	444	VIN:	3VWC57BU2KM00	0702		0
Dealer:	03999	Engine:	all engine identifier		🧀 🦺 🗞	
RO:						9
control modules Events						Operating modes
009 - Central Electrics	(UDS / ISOTP / 500937087BB / 0	265 / 036 / EV_BodyContrModul1UDSBosc	(019001)	DTC memory	- 0	🎯 Diagnosis
			/ 010001)			🇯 OBD
JDS basic settings - \$	set parameters					🐗 Flash
Adapting RF transmitte	r via barcode					A Measurement
		[LO]_ID remote control	00 04 3F			📔 Info
		[LO]_Key remote contro	BA D7 22 CC 4F 65 D2 81 EA 45 95 C	CO DA 4E FO OF		Admin
						[-0.
						Log
						Data
						Extras
						Help
						Info
						Trace
						Trace
						Trace
						Trace
						Trace
Default parameters					< >	Trace

Step 18:

• Enter the RF ID (HEX) and Private key (HEX) either manually with the keyboard or scan the QR code with a scanner.

0009 - Central Electrics (UDS / ISOTP / 5Q0937087BB / 0265 / 036 / EV_BodyContrA	/lodul1	UDSBosc / 019001)	DTC memor	•	9	-		_
UDS basic settings - Select measured values						🍅 OBD		
						S Flash	ſ	
Name		Selection				🕰 Mea	suremen	t 🚽
[IDE02711]_Rear Window Wiper	9					😂 Info		
[VO]_Personalized_keySetting						🎯 Adm	in	
[IDE07344]_Sunroof shade						Log		¥
[IDE00322]_Status of basic setting	*					Data		¥
[IDE12212]_Cause control module incorrectly coded	>					Extras		¥
[IDE05729]_Door status, frt. pass. side rear						Help		×
[MAS18843]_SE references from last used digital key devices	<							
[IDE00356]_Cruise Control System (CCS), switch position	*					Info		×
[IDE01537]_Windshield defogger						Trace		¥
[IDE07145]_Component protection properties								
IVOI Power un historie								
Filter:						_		
				<	>			
0009 - GES					~	>>		3
EV_BCMMQB / 019005				6				

Step 19:

• Select the "next arrow."

Page 9 of 11

"Always install the product according to the manufacturer's instructions. Modifications to the vehicle or accessory, or improper installation of the accessory can result in damage or failure."

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.



Offboard Diagnostic Information	System Service - 4.3.3							
Importer:	444		VIN:	3VWC57BU2KM00			🥔 🖣 🍾	
Dealer:	03999		Engine:	all engine identifier	codes			
RO:								
Control modules Events								Operating modes *
0000 Central Electrics (65 / 026 / EV	BodyContrModul1UDSBosc / 019001	\ \	D	TC memory	• 0	🎯 Diagnosis
		05/030/EV_	BodyContriviodul 10D3Bosc / 019001)	U	ro memory		🍅 OBD
UDS basic settings - St	atus: not active							🐗 Flash
Basic settings			Luce and					△ Measurement
Name			Status	Result		Value		🖌 Info
> [IDE06652]_Adapting R	F transmitter via barcode	\$0481	[VO]_Routine not active or finishe	[VO]_No Results Available				
								I Admin
								Log ×
Measured values								Data ×
Name					RDID	Value		
								Extras *
								Help ×
								Info *
								Trace ×
Start Next Stop Stop	all							
SES								> 🛛 🔇
EV_BCMMQB / 019005							0	
Sten 20.								

Step 20:

• Select "Start."

Page 10 of 11

"Always install the product according to the manufacturer's instructions. Modifications to the vehicle or accessory, or improper installation of the accessory can result in damage or failure."

© 2020 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.

Offboard Diagnostic Information Sy	stem Service - 4.3.3		December 1						X
mporter:	444		VIN:	3VWC57BU2KI			🥔 🖣 🍆		
Dealer:	03999		Engine:	all engine identi	fier codes				
RO:								V	
ontrol modules Events								Operating mode	es *
009 - Central Electrics (U	DS / ISOTP / 5Q0937087BB /	0265 / 036 / EV	BodyContrModul1UDSBosc / 019001	1)		DTC memory	- 🕥	🎯 Diagnosis	
	tus: Basic setting ended			·				🇯 OBD	
asic settings	tus. Dasie setting ended							🤹 Flash	
vane		PDID	Status	Design		Mahar		🕰 Measureme	nt
[IDE06652]_Adapting RF	transmitter via barcode		[VO] Routine not active or finishe	. [VO]_Correct Results				😫 Info	
								Admin	
								Log	¥
leasured values								Data	¥
Name					RDID	Value			
								Extras	¥
								Help	¥
								Info	¥
								Trace	×
Start Next Stop Stop a									
							~		

Step 21:

• After selecting "Start," the result field should change to "[VO] Correct-Results" for a couple seconds. The process is completed.

Step 22:

• To test the operation, close all doors and lock the vehicle, Press the "Info" button once, then press the "Start" button twice on the new transmitter.

Step 23:

• Place the sticker with the RF ID (HEX) and Private key (HEX) on the extended range owner's manual document. Place the document in the glove box with the owner's manual.

Page 11 of 11

"Always install the product according to the manufacturer's instructions. Modifications to the vehicle or accessory, or improper installation of the accessory can result in damage or failure."

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.