

Release date:

3/7/2024

### Condition

Model(s)	Year(s)	Eng. Code(s)	Trans. Code(s)	VIN Range From	VIN Range To
Jetta, Jetta Wagon	2009	2.0L TDI (CBEA)	All	All	All
Jetta	2010	2.0L TDI (CJAA)	All	All	All
Golf, Jetta SportWagen, Golf Wagon	2010-2014	2.0L TDI (CJAA)	All	All	All
Jetta	2011-2014	2.0L TDI (CJAA)	All	All	All
Beetle, Beetle Convertible	2013-2014	2.0L TDI (CJAA)	All	All	All

Revision Table			
Instance Number	Published Date	Version Number	Reason for Update
2025464/9	3/7/2024	21-18-02	Part Ordering Notice.
2025464/1	5/24/2011	V211101	Original publication.

Engine will not start after standing in cold weather below 0°C (32°F), MIL may be illuminated with various induction and/or boost system faults stored in ECM.

# **Technical Background**

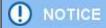
Moisture from the intake air condenses and collects in the charge air cooler. At cold temperatures this moisture can freeze causing blockage of the intake air system.

# **Production Solution**

Not applicable.



### Service



Due to parts supply consideration, this kit will only be available for order during the winter. See note in Parts on Command (POC).

Install revised charge air cooler kit P/N 1K0 198 803B to avoid the formation of this moisture in the boost system.

#### **Procedure**

- Lock carrier in service position. See Repair Manual Group 50 in Elsa.
- Separate A/C condenser from charge air cooler.
- Remove radiator and radiator fan assembly.
- Remove the original charge air cooler (item 3 in figure 1) from the vehicle.

# [**i**]

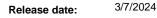
Charge air hoses can be difficult to remove at the charge air cooler, try separating the hoses from the hot and cold charge air pipes before loosening charge air cooler.

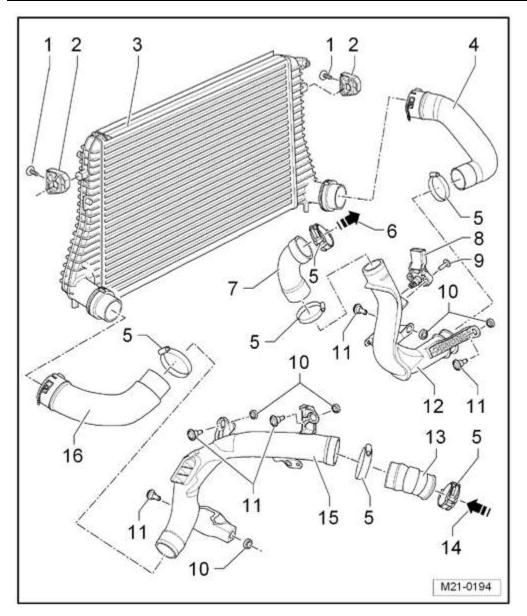
 Remove the lower charge pressure hoses (items 4 and 16 in figure 1) and <u>clean of any moisture, ice</u> <u>crystal formation or sludge</u>. See Repair Manual Group 21, Turbocharger/G-Charger, Description and Operation, Component Overview, in Elsa.

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#### Figure 1

- Remove cold side charge air pipe (item 12 in figure 1) and pressure hose to throttle valve (item 7 in figure 1).
- Separate the A/C condenser from the charge air cooler.
- Remove the radiator and radiator fan assembly.
- Separate the charge air pressure sensor -G31-- from cold side charge air pipe.
- Install charge air pressure sensor -G31- from kit to cold side charge air pipe.

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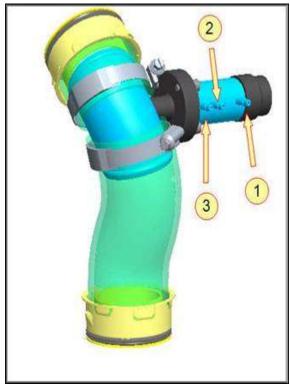
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• Loosely fit the pressure hose with new temperature switch to the cold side charge air pipe.

# i

By loosely installing pressure hose with switch to cold side charge air pipe allows for "wiggle room" when reinstalling.

 Install the cold side charge air pipe (item 12 in figure 1) and connect the charge air pressure sensor -G31- electrical connector.



- Note the vacuum hose routing on the temperature switch (figure 2).
- 1. Ventilation hose to air cleaner
- 2. Hose to vacuum source
- 3. Hose to charge air cooler regulator flap

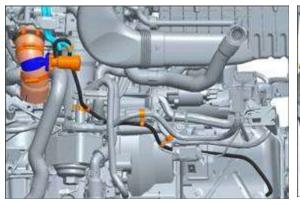
#### Figure 2

• Route vacuum overlay harness as seen in figures 3 and 4.

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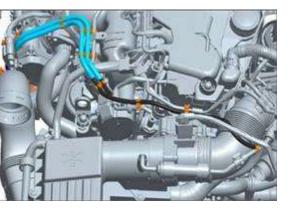


Figure 3

Figure 4



#### Figure 5

• Cut ventilation hose to air cleaner where indicated in figure 5.

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#### Figure 6

• Install splice as indicated in figure 6.

# (!)

Note the white tracer on the vacuum hose in figure 6.



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#### Figure 7

- Cut vacuum source hose where indicated in figure 7, and install splice. •
- Install the revised charge air cooler (item 3 in figure 1) with regulating flap and connect the regulating flap vacuum hose.
- Re-assemble all charge air pipe connections. •
- Connect A/C condenser to charge air cooler using fasteners from kit, and install radiator with fan assembly.
- Reassemble front carrier.
- Re-aim headlights.

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### Warranty

Please verify engine code for accurate warranty table selection.

Model(s)	Year(s)		Eng. Code(s)	Trans. Code(s)	VIN Range From		VIN Range To	
Jetta, Jetta Wagon	2009		2.0L TDI (CBEA)	All	All		AII	
Jetta	2010		2.0L TDI (CJAA)	All	All		All	
			SAGA	Coding				
Claim Type:	Use app	licable C	laim Type <sup>1)</sup>					
Service Number:		Damage Code	HST		Damage Location (Depends on Service No.)			
2143			0055				Use applicable when indicated in Elsa (L/R)	
Parts Manufact	urer		Jetta, Jet	ta Wagon		3N	1E <sup>2)</sup>	
Labor Operatio	on <sup>3)</sup> : Repl	ace Cha	rge Air Cooler	21431983 = 20 T	U			
Labor Operatio	on <sup>3)</sup> : Rem	ove and	Install Radiator	19701983 = 70 TU				
Labor Operatio	on <sup>3)</sup> :Lock	Carrier \$	Service Position	50380950 = 40 TU				
Labor Operation <sup>3)</sup> : Remove and Install Front Bumper Cover			63291900 = 70 TU OR					
				63291910 = 90 TU (Cup Edition Only)				
Labor Operatio Intercooler Kit	on <sup>3)</sup> : Insta	II Cold V	Veather	21433199 = 30 TU max.				
Causal Part:				1K0 198 803 B				

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t Start	Release date:
t Start	Release date:

Diagnostic Time <sup>4)</sup>					
GFF Time expenditure	01500000 = 30 TU max.	YES			
Road Test	01210004 = 10 TU	YES			
Technical Diagnosis	01320000 = 00 TU max.	NO			

Claim Comment: Input "As per Technical Bulletin 2025464" in comment section of Warranty Claim.

<sup>1)</sup> Vehicle may be outside any Warranty in which case this Technical Bulletin is informational 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 Policy Procedures Manual.

Please verify engine code for accurate warranty table selection.

Model(s)	Year(s) 2010-2014		Eng. Code(s)	Trans. Code(s)	VIN Range From All		VIN Range To
Golf			2.0L TDI (CJAA)	All			AII
			SAGA	Coding			
Claim Type:	Use app	icable C	laim Type <sup>1)</sup>				
Service Number:			Damage Code	HST		Damage Locatior (Depends on Servi No.)	
2143		0055			Use applicable whe indicated in Elsa (L/		
Parts Manufacturer		G	Solf WWO <sup>2)</sup>		NO <sup>2)</sup>		

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Road Test

21-18-02 - Frozen Charge Air Cooler - Engine Will Not Start

Release date:

YES

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Labor Operation <sup>3)</sup> : Replace (includes radiator R&I, drain	-	21431983 = 130	) TU	
Labor Operation <sup>3)</sup> :Lock Car	rier Service Position	50380950 = 70 TU		
Labor Operation <sup>3)</sup> : Remove Bumper Cover	and Install Front	63291950 = 40 TU		
Labor Operation <sup>3)</sup> : Remove Grille	and Install Radiator	66051900 = 20 TU		
Labor Operation <sup>3)</sup> : Install Co Intercooler Kit	old Weather	21433199 = 30 TU max.		
Causal Part:		1K0 198 803 B		
	Diagnosti	c Time <sup>4)</sup>		
GFF Time expenditure	ne expenditure 01500000 = 30 TU		YES	

Technical Diagnosis	01320000 = 00 TU max.	NO

01210004 = 10 TU

Claim Comment: Input "As per Technical Bulletin 2025464" in comment section of Warranty Claim.

<sup>1)</sup> Vehicle may be outside any Warranty in which case this Technical Bulletin is informational 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 Policy Procedures Manual.

Please verify engine code for accurate warranty table selection.

To determine if and Procedures	•	covered under N	Warranty, always	refer to the Warr	anty Policies
Model(s)	Year(s)	Eng. Code(s)	Trans. Code(s)	VIN Range From	VIN Range To
Jetta	2011-2014	2.0L TDI (CJAA)	All	All	All

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Release date:

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			SAGA	Coding		
Claim Type:	Use appl	icable C	laim Type <sup>1)</sup>			
Service Nu	Service Number:		Damage Code	HST		Damage Location (Depends on Service No.)
2143			0055			Use applicable when indicated in Elsa (L/R)
Parts Manufac	turer		Je	etta 3ME <sup>2)</sup>		3ME <sup>2)</sup>
Labor Operation <sup>3)</sup> : Replace Charge Air Cooler (includes radiator R&I, drain & fill)				21431983 = 160 TU		
Labor Operation <sup>3)</sup> : Remove and Install Front Bumper Cover			63291950 = 40 TU			
Labor Operation <sup>3)</sup> : Remove and Install Radiator Grille			66051900 = 20 TU			
Labor Operation <sup>3)</sup> : Install Cold Weather Intercooler Kit			Veather	21433199 = 30 TU max.		
Causal Part:				1K0 198 803 B		
			Diagnost	ic Time <sup>4)</sup>		
GFF Time expe	enditure		01500000 = 30 T	ru max. YES		YES
Road Test			01210004 = 10 T	TU YES		YES
Technical Diag	nosis		01320000 = 00 T	TU max. NC		NO
Claim Commei Claim.	nt: Input "	As per T	echnical Bulletin	2025464" in com	nment se	ection of Warranty
<sup>1)</sup> Vehicle may	be outside	e any Wa	arranty in which o	case this Technic	al Bullet	in is informational only
<sup>2)</sup> Code per wa	rranty ven	dor cod	e policy.			
<sup>3)</sup> Labor Time U	Jnits (TUs	) are sub	oject to change w	ith ELSA update	s.	

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

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21-18-02 - Frozen Charge Air Cooler - Engine Will Not Start Release date: 3/7/2024

Please verify engine code for accurate warranty table selection.

To determine if this procedure is covered under Warranty, always refer to the Warranty Policies and Procedures Manual <sup>1)</sup> Model(s) Year(s) Eng. Code(s) Trans. Code(s) **VIN Range** VIN Range To From Jetta 2.0L TDI SportWagen, 2010-2014 All All All (CJAA) **Golf Wagon** SAGA Coding Claim Type: Use applicable Claim Type <sup>1)</sup> Damage Location Damage (Depends on Service Service Number: HST Code No.) Use applicable when 2143 0055 -indicated in Elsa (L/R) Parts Manufacturer Jetta SportWagen, Golf Wagon 3ME<sup>2)</sup> Labor Operation <sup>3)</sup>: Replace Charge Air Cooler 21431983 = 20 TU Labor Operation<sup>3)</sup>: Radiator Remove and Install 19701983 = 70 TU Labor Operation <sup>3)</sup>:Lock Carrier Service Position 50380950 = 50 TU Labor Operation <sup>3</sup>: Remove and Install Front 63291950 = 40 TU **Bumper Cover** Labor Operation<sup>3)</sup>: Remove and Install Radiator 66051900 = 20 TU Grille Labor Operation <sup>3)</sup>: Install Cold Weather 21433199 = 30 TU max. Intercooler Kit Causal Part: 1K0 198 803 B Diagnostic Time 4) 01500000 = 30 TU max. **GFF** Time expenditure YES

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Road Test	01210004 = 10 TU	YES
Technical Diagnosis	01320000 = 00 TU max.	NO

Claim Comment: Input "As per Technical Bulletin 2025464" in comment section of Warranty Claim.

<sup>1)</sup> Vehicle may be outside any Warranty in which case this Technical Bulletin is informational 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 Policy Procedures Manual.

Please verify engine code for accurate warranty table selection.

Model(s)	Year(s)		Eng. Code(s)	Trans. Code(s)	VIN Range From	VIN Range To
Beetle, Beetle Convertible	2013-2014		2.0L TDI (CJAA)	All	AII	All
			SAGA	Coding		
Claim Type:	Use app	licable C	Claim Type <sup>1)</sup>			
Service Number:		Damage HST Code			Damage Location (Depends on Service No.)	
2143		0055			e applicable when cated in Elsa (L/R)	
Parts Manufact	urer		Beetle, Beetl	e Convertible	3ME <sup>2)</sup>	
Labor Operation (includes radiat	-		-	21431983 = 160 T	U	

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Labor Operation <sup>3)</sup> : Remove and Install Front Bumper Cover		63291900 = 60 TU – Beetle 63291900 = 100 TU – Beetle Convertible			
(includes front wheel housing liners loosened + fastened)					
(Convertible includes noise dampening pan removed + reinstalled)					
Labor Operation <sup>3)</sup> : Install Cold Weather Intercooler Kit		21433199 = 30 TU max.			
Causal Part:		1K0 198 803 B			
	Diagnos	tic Time <sup>4)</sup>			
GFF Time expenditure	01500000 = 30 1	Ū max.	YES		
Road Test	01210004 = 10 1	Ū	YES		
Technical Diagnosis	01320000 = 00 TU max.		NO		
Claim Comment: Input "As Claim.	per Technical Bulletir	1 2025464" in con	nment section of Warranty		
<sup>1)</sup> Vehicle may be outside any Warranty in which case this Technical Bulletin is informational only.					
<sup>2)</sup> Code per warranty vendor code policy.					
<sup>3)</sup> Labor Time Units (TUs) ar	e subject to change w	vith ELSA update	S.		
n			_		

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

# **Required Parts and Tools**

Part Description	Part No:	Quantity
Cold Weather Intercooler Kit	1K0 198 803 B	1

No Special Tools required.

### **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.

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