

21-25-01 - Turbocharger Wastegate Stuck; exhaust emissions warning lamp, event entry P2563/P00AF

Condition

Applicable Vehicles					
Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
Golf	2015 - 2018	1.8T	All	All	All
GTI	2015 - 2021	2.0T	All	All	All
Golf R	2015 - 2019	2.0T	All	All	All
Golf Sportwagen / Alltrack	2015 - 2019	1.8T	All	All	All
Jetta GLI	2019 - 2024	2.0T	All	All	All
Arteon	2019 - 2021	2.0T	All	All	All
Atlas	2018 - 2023	2.0T	All	All	All
Atlas Cross Sport	2020 - 2023	2.0T	All	All	All

Revision Table			
Instance Number	Published Date	Version Number	Reason For Update
2077251/2	10/29/2025	21-25-01	Added message about labor operations.
2077251/1	03/20/2025	21-25-01	Original publication.

One or more of the following fault code(s) must be stored in the ECM:

DTC	Description
P2563	Turbocharger Boost Control Position Sensor Circuit Range/Performance

NOTICE

DTC P2563 must have symptom code 14846 for this TSB to be applicable!

Technical Background

Not applicable

Production Solution

Not applicable

Service

With Turbocharger installed

1. Check wastegate adjustment on turbocharger for accessibility/ease of movement:

- Check wastegate adjustment on turbocharger (see illustration 1, red circle) for stiffness/secure fit:
 - If the wastegate adjustment moves easily, this TSB does not apply and further diagnosis is needed.
 - If the wastegate adjustment is not easily moved, continue with step 2.



Illustration 1) wastegate rod (affected area on turbocharger)

2. Try to loosen wastegate adjustment:

- With turbocharger still installed on vehicle:

Generously spray wastegate adjustment with commercially available rust remover and let sit for at least 30 minutes.

- With the ODIS tester, attempt to perform basic settings for the wastegate adjustment:
 - If the wastegate adjustment basic settings can be performed successfully, apply grease to the clevis on the wastegate adjustment with hot screw paste (part number G 052 112 A3). No further work is necessary, clear the faults and return the vehicle to the customer.

- If the wastegate adjustment basic settings cannot be performed with the ODIS tester, continue with “With turbocharger removed”.


- With turbocharger removed:

- Remove the turbocharger according to the instructions found in the repair manual.
- Manually manipulate the wastegate assembly to attempt to free the wastegate adjustment again:
 - If the wastegate adjustment cannot be loosened in this way, continue with step 3.
 - If the wastegate adjustment can be released in this way, apply grease to the clevis on the wastegate adjustment with hot screw paste (part number G 052 112 A3).
- Reinstall the turbocharger according to the instructions found in the repair manual.
- Perform basic settings using the ODIS tester and clear the faults.
- No further work is necessary, the vehicle can be returned to the customer.

3. Turbocharger replacement

- If the repairs are unsuccessful, replace the turbocharger according to the repair manual.
- Apply grease to the new clevis on the wastegate adjustment with hot screw paste (part number G 052 112 A3).
- Perform basic settings using the ODIS tester and clear the faults.
- No further work is necessary, the vehicle can be returned to the customer.

Warranty

 CAUTION
Because turbocharger replacement procedures may vary depending on vehicle drive configuration (AWD vs. FWD), not all labor operations may be included in this bulletin. Please consult the repair manual for the complete list of required steps and labor operations.

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
Golf	2015 - 2018	1.8T	All	All	All
GTI	2015 - 2021	2.0T	All	All	All

Golf R	2015 - 2019	2.0T	All	All	All
Golf Sportwagen / Alltrack	2015 - 2019	1.8T	All	All	All
Jetta GLI	2019 - 2024	2.0T	All	All	All
Arteon	2019 - 2021	2.0T	All	All	All
Atlas	2018 - 2023	2.0T	All	All	All
Atlas Cross Sport	2020 - 2023	2.0T	All	All	All

SAGA Coding

Claim Type:

Use applicable Claim Type ¹⁾

Service Number:	Damage Code	HST	Damage Location (Depends on Service No.)
2130	0017	--	--

Parts Manufacturer	Golf, Golf Sportwagen/Alltrack, GTI, Jetta GLI	3ME ⁽²⁾
	Arteon, Atlas, Atlas Cross Sport, Golf R	WWO ⁽²⁾

Labor Operation ³⁾ : Battery Charge

27068950 = See Elsa for latest time units

Labor Operation ³⁾ :

Remove and Install engine cover

108319XX = see Elsa for latest time units and labor op

Labor Operation ³⁾ :

Loosen/restore movement of turbocharger linkage

21304199= 20 TU

Labor Operation ³⁾ :

Remove and Install turbocharger (only if necessary)

213019XX = see Elsa for latest time units and labor op

Diagnostic Time ⁴⁾

GFF Time expenditure	01500060 = Actual GFF print out	YES
Road Test	01210004 = 00 TU	NO
Technical Diagnosis	01320000 = 00 TU max.	NO

Claim Comment: Input "As per Technical Bulletin 2077251" 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

Part number	Part Description	Quantity
G 052 112 A3	Hot screw paste	1
See ETKA	Turbocharger	1
See ETKA	Necessary one-time use parts	See ETKA

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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