

**87-18-10 - A/C Compressor Replacement, GFF Required Regardless of Concern and Flush Requirement**

Release date: 1/26/2021

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**Condition**

Applicable Vehicles					
Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
All	2009-2021	All	All	All	All

Revision Table			
Instance Number	Published Date	Version Number	Reason For Update
2043704/15	1/26/21	87-18-10	Title correction.
2043704/12	8/24/20	87-18-10	Statement referring to TB 2043893 removed. To include additional models and model year applicability
2043704/11	11/4/19	87-18-10	To include additional models and model year applicability.
2043704/10	8/27/18	V871810	To include additional models and model year applicability.
2043704/9	1/26/18	V871804	To update W.I.S.E. warranty process.
2043704/1	5/25/16	V871606	Original publication.

This bulletin applies to any repair that requires replacement of the air conditioning compressor.

**Technical Background**

Any replacement of A/C compressors - regardless of the reason for failure - must include an ODIS GFF cooling performance test plan (Function Test Log version) of the A/C system with documentation of the recovered refrigerant volume performed and provided with the warranty claim.

- ODIS GFF cooling performance test plan.
- RobinAir or Mahle print out of the recovered refrigerant volume.

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- RobinAir or Mahle print out of the flush procedure.

**Note:**

The refrigerant flush procedure must be performed before installing a new compressor. All documentation is mandatory and without exception should be submitted through the GFF paperless and WISE for reimbursement. See warranty section for more information on uploading information in WISE).

**Production Solution**

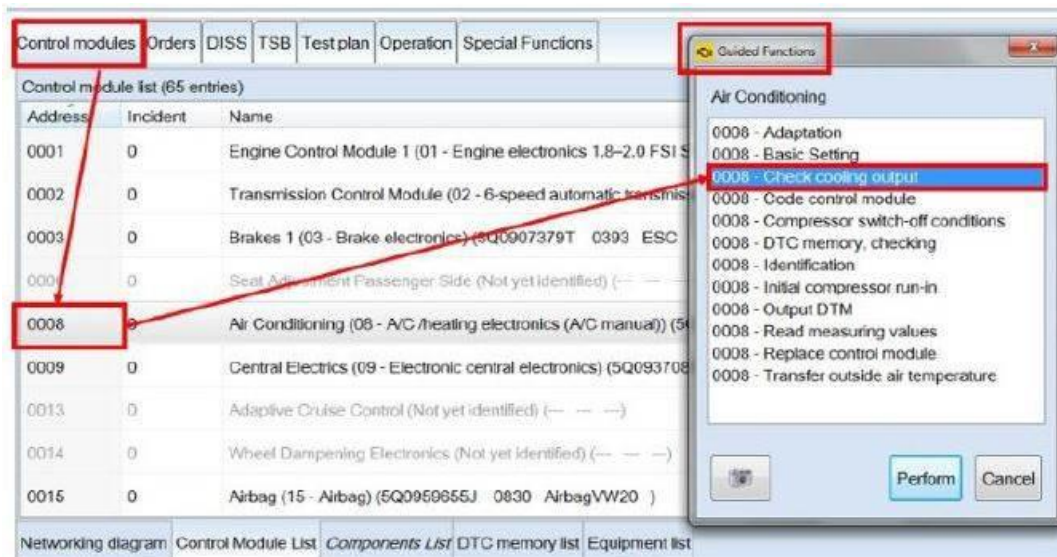
Not applicable.

**Service**

1. Before replacing the A/C compressor perform the ODIS A/C Performance Test.

**Note:**

The A/C performance test is located in different locations and may be titled differently for different vehicle car lines. Pictures below are examples only.

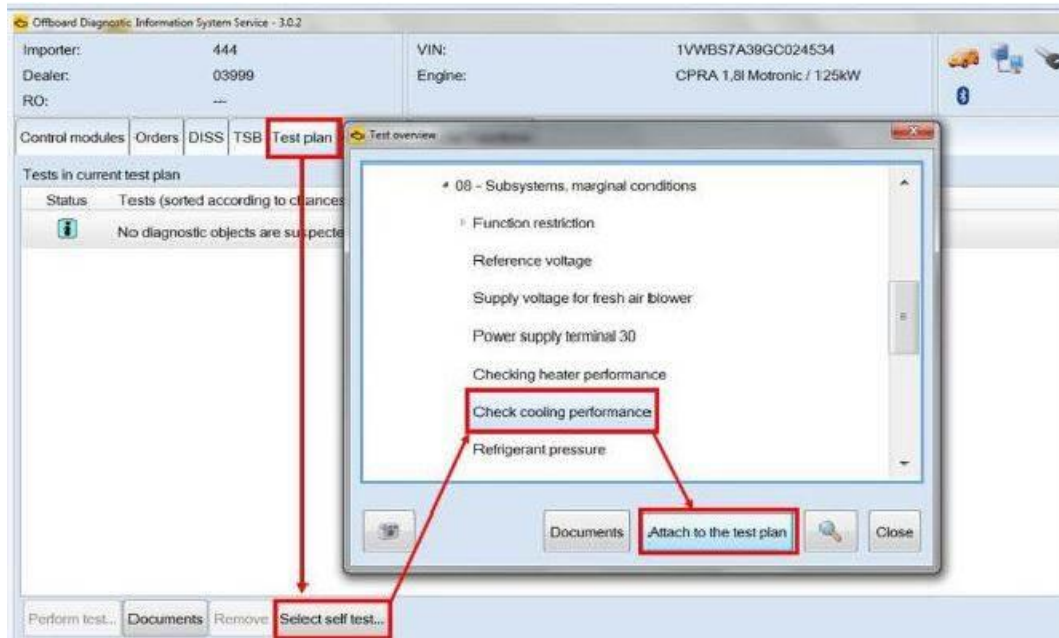


**Figure 1:** A/C Performance test CC, Tiguan, Golf, Golf SportWagen, Jetta SportWagen, Jetta, New Beetle, NBC, Tiguan LWB, Atlas, Atlas CrossSport, Arteon.

- Select Guided Functions from 08 A/C heating electrical control module.
- Select Check cooling performance from the Guided functions menu and select perform (Figure 1).

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**Figure 2:** A/C Performance test, Passat NMS.

- Select the Test Plan tab from 08 A/C heating electrical control module.
  - Select self-test and locate the Check cooling performance test under the following sub menus.
  - **Passat:** Body/ Heating Ventilation-Air Conditioning/01 Systems Capable of self-diagnosis/08 Air Conditioning-Heating Electronics/08 Subsystems marginal condition.
2. Follow prompts and complete the test plan.
  3. Test result next steps,
    - If A/C performance test returns with no malfunctions, then no repairs are needed. The system is operating properly.
    - If A/C performance test returns a malfunction, perform diagnosis and repair the system as needed.

**Note:**

All other applicable bulletins apply.

See **Technical bulletins 2019947 (R134) and 2049039 (R1234yf)** for proper cleaning of the refrigerant circuit.

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**Warranty****Note:**

Claim the time units accumulated from the GFF function test. Time units not to exceed a maximum of 100 TU. All documentation is mandatory and without exception and should be submitted through the GFF paperless and WISE for reimbursement. For information on uploading documents and pictures in WISE, go to WISE > Resource Center > Dealer Processes & Guide, select pdf file: Wise Operations Section – Doc-IT Technical Bulletin Uploading Process Job Aid.

<b>To determine if this procedure is covered under Warranty, always refer to the Warranty Policies and Procedures Manual <sup>1)</sup></b>					
<b>Model(s)</b>	<b>Year</b>	<b>Eng. Code</b>	<b>Trans. Code</b>	<b>VIN Range From</b>	<b>VIN Range To</b>
All	2009-2021	All	All	All	All
<b>SAGA Coding</b>					
<b>Claim Type:</b>	Use applicable Claim Type <sup>1)</sup>				
<b>Service Number:</b>	<b>Damage Code</b>	<b>HST</b>		<b>Damage Location</b>	
8734	0010	--		--	
<b>Causal Part:</b> Select Labor Operation			01500000		
<b>Diagnostic Time <sup>4)</sup></b>					
<b>GFF Time expenditure</b>	01500000 = Actual GFF printout - 100 TU max.			YES	
<b>Road Test</b>	01210002 = 00 TU 01210004 = 00 TU			NO	
<b>Technical Diagnosis</b>	01320000 = 00 TU max.			NO	
<b>Claim Comment:</b> Input "As per Technical Bulletin 2043704" in comment section of Warranty Claim.					
<p><sup>1)</sup> Vehicle may be outside any Warranty in which case this Technical Bulletin is informational only.</p> <p><sup>2)</sup> Code per warranty vendor code policy.</p> <p><sup>3)</sup> Labor Time Units (TUs) are subject to change with ELSA updates.</p> <p><sup>4)</sup> Documentation required per Warranty Policies and Procedures Manual.</p>					

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## 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.