

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


## Condition

Applicable Vehicles					
Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
All	2009 - 2026	All	All	All	All


Revision Table			
Instance Number	Published Date	Version Number	Reason For Update
2043704/24	10/6/25	87-18-10	Update to model and model year applicability and a NOTICE referral to use Elsa procedures for proper cleaning of refrigerant circuit.
2043704/22	4/8/24	87-18-10	Update notice for reference to 2073537 (ID.4)
2043704/21	11/13/23	87-18-10	Update model year applicability.
2043704/1	5/25/16	V871606	Original publication.

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

## Technical Background

 NOTICE
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.
- Print out of the recovered refrigerant volume.
- Print out of the flush procedure.

 NOTICE
<b>See Repair group 87 Air Conditioning, Refrigerant Servicing, "Refrigerant Circuit, Cleaning" in Elsa to determine if cleaning of the refrigerant circuit is necessary. All documentation is mandatory and without</b>

exception. The documents should be submitted through the GFF paperless and WISE as these documents are exclusively for internal use and reimbursement. See warranty section for more information on uploading information in WISE.

## Production Solution

Not applicable.

## Service



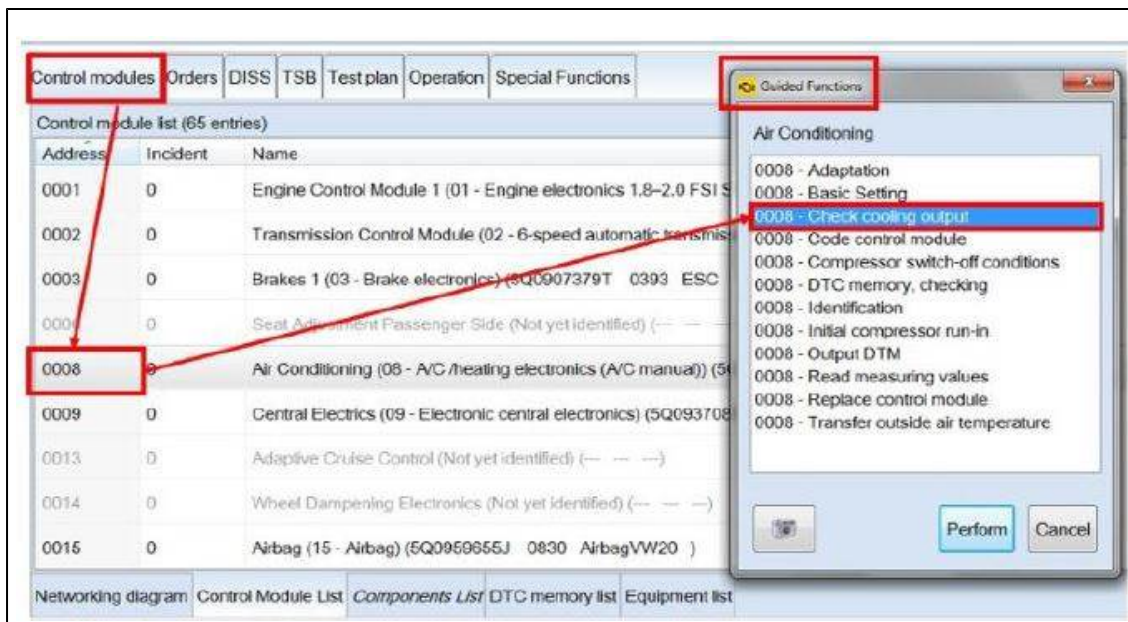
1. Before replacing the A/C compressor perform the ODIS A/C Performance Test.

### NOTICE

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.

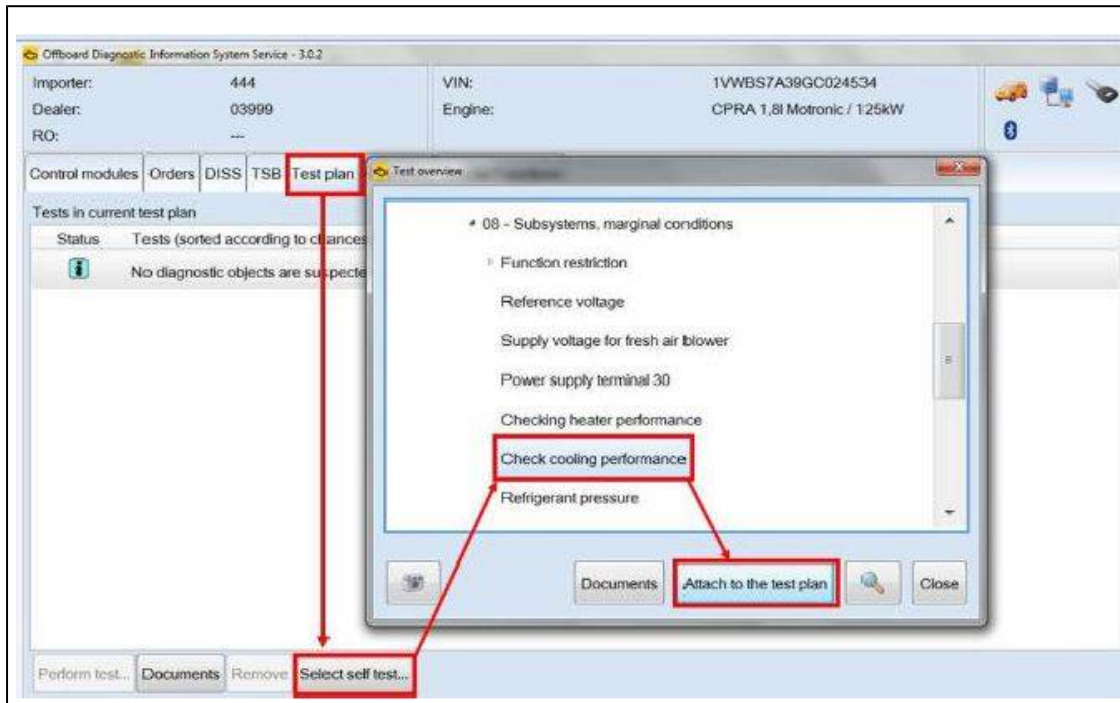
### NOTICE

If the HV system is disabled the cooling performance test cannot be performed and separate diagnosis is required. The HV AC compressor must have a GFF diagnosis log with completed test plans of all compressor related faults before replacing the HV AC compressor.



**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).



**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.

### NOTICE

See Repair group 87 Air Conditioning, Refrigerant Servicing, "Refrigerant Circuit, Cleaning" in Elsa to determine if cleaning of the refrigerant circuit is necessary. All documentation is mandatory and without exception. The documents should be submitted through the GFF paperless and WISE as these documents are exclusively for internal use and reimbursement. See warranty section for more information on uploading information in WISE.

## Warranty

### NOTICE

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.

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

Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
All	2009-2026	All	All	All	All

**SAGA Coding**

<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	01500060
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**Diagnostic Time <sup>4)</sup>**

<b>GFF Time expenditure</b>	01500060 = 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

**Claim Comment:** Input "As per Technical Bulletin 2043704" 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**

No special parts required.

Tool Description	Tool No:
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	<p>MAHLE R1234yf A/C Service Unit  VAS581005  Or  Robinair R1234yf - ROB1234YFX  Or  MAHLE RTI4608046401  Or  Ecotechnics EEAC830BVW  R1234yf Flush Kit  RTI360831840</p>
<p>Midtronics Battery Tester/Charger</p>	<p>InCharge 940 (INC-940)  or  GRX3000VAS</p>
<p>VAS Diagnostic Tool</p>	<p>VAS 6150/X &amp; VAS 6160/X with  ODIS Service with: current online updates</p>

### 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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