



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

Release date: 11/13/2023

Condition

Applicable Vehicles					
Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
All	2009 - 2024	All	All	All	All

Revision Table			
Instance Number	Published Date	Version Number	Reason For Update
2043704/21	11/13/23	87-18-10	Update model year applicability.
2043704/17	11/10/22	87-18-10	Update model year applicability.
2043704/16	8/4/21	87-18-10	Update model year applicability.
2043704/15	1/26/21	87-18-10	Title correction.
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.
- RobinAir or Mahle print out of the recovered refrigerant volume.
- RobinAir or Mahle print out of the flush procedure.

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NOTICE

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.

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.



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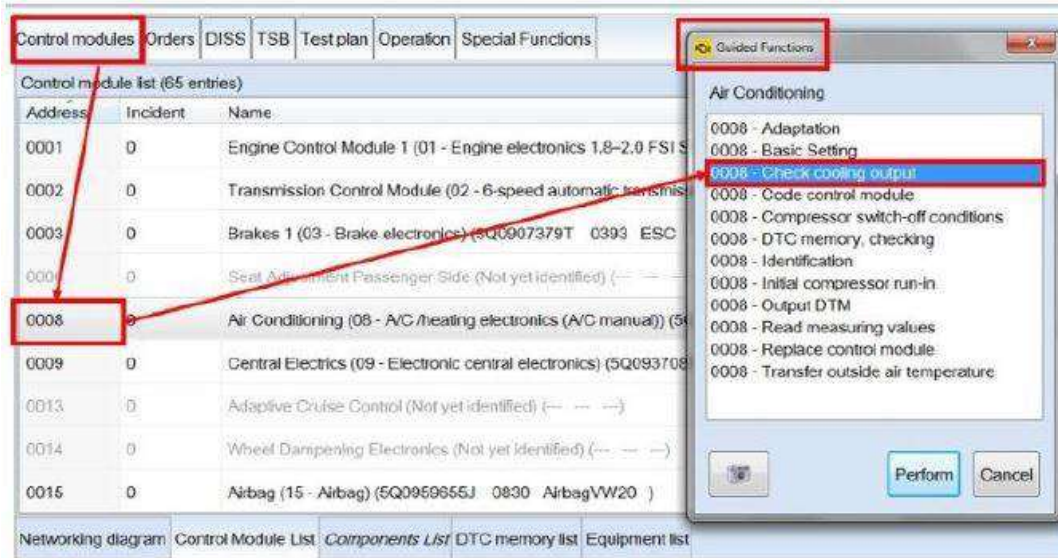


Figure 1: A/C Performance test CC, Tiguan, Golf, Golf SportWagen, Jetta SportWagen, Jetta, New Beetle, NBC, Tiguan LWB, Atlas, Atlas CrossSport, Arteon.

- 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).

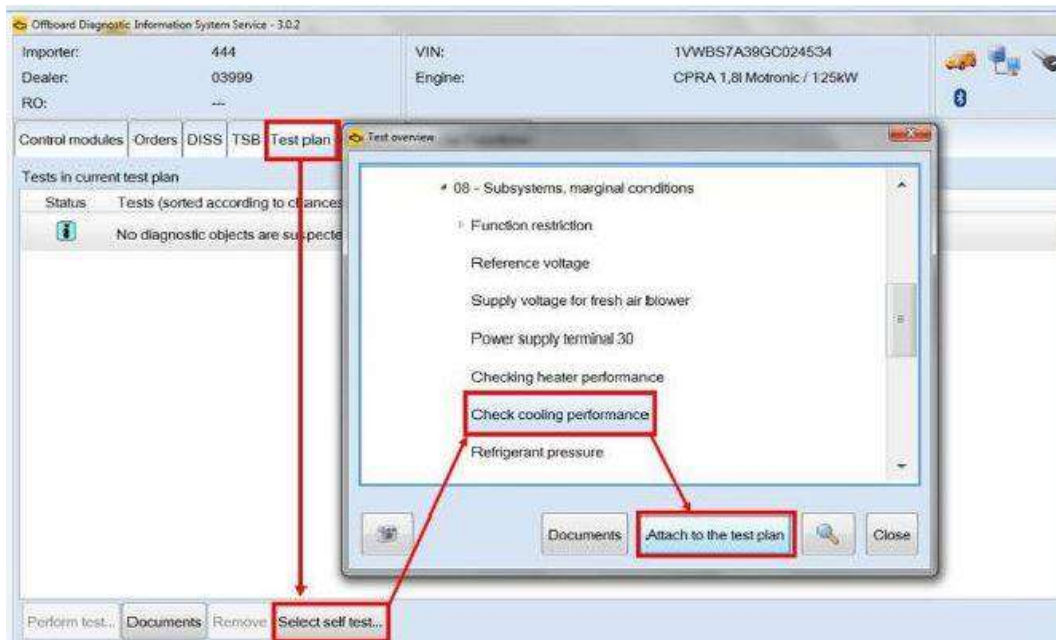


Figure 2: A/C Performance test, Passat NMS.

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- 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**

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

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 ¹⁾					
Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
All	2009-2024	All	All	All	All
SAGA Coding					
Claim Type:		Use applicable Claim Type ¹⁾			
Service Number:		Damage Code	HST	Damage Location	
8734		0010	--	--	
Causal Part: Select Labor Operation			01500060		
Diagnostic Time ⁴⁾					
GFF Time expenditure	01500060 = Actual GFF printout - 100 TU max.			YES	
Road Test	01210002 = 00 TU 01210004 = 00 TU			NO	
Technical Diagnosis	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.					




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- 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:
	MAHLE R1234yf A/C Service Unit VAS581005 Or Robinair R1234yf - ROB1234YFX Or MAHLE RTI4608046401 Or Ecotechnics EEAC830BVW R1234yf Flush Kit RTI360831840
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.