

Condition

| Applicable Vehicles | | | | | | |
|---------------------|-----------|-----------|-------------|-------------------|--------------|--|
| Model(s) | Year | Eng. Code | Trans. Code | VIN Range From | VIN Range To | |
| All | 2009-2023 | All | All | All | All | |

| evision Table | | | | | |
|-----------------|----------------|----------------|----------------------------------|--|--|
| Instance Number | Published Date | Version Number | Reason For Update | | |
| 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

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.

Note:

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

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Production Solution

Not applicable.

Service

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

U 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.

| Control mod | lule list (65 en | tries) | ALCON CHANNEL | | | |
|-------------|------------------|--|---|--|--|--|
| Address | Incident | Name | Air Conditioning | | | |
| 0001 | 0 | Engine Control Module 1 (01 - Engine electronics 1.8-2.0 FSI | La resta de la companya de la | | | |
| 0002 | 0 | Transmission Control Module (02 - 6-speed automatic transmis | 0008 - Check cooling output 0008 - Code control module | | | |
| 0003 | 0 | Brakes 1 (03 - Brake electronics) (500907379T 0393 ESC 0008 - Compressor switch-off condition 0008 - DTC memory, checking | | | | |
| 000 | 0 | Seat Adventifier Passenger Side (Not yet identified) (| issenger Side (Not yet identified) (| | | |
| 3008 | 70- | Air Conditioning (08 - A/C /heating electronics (A/C manual)) (54 Central Electrics (09 - Electronic central electronics) (5Q093708 | | | | |
| 0009 | 0 | | | | | |
| 0013 | 0 | Adaptive Cruise Control (Not yet identified) () | | | | |
| 014 | 0 | Wheel Dampening Electronics (Not yet identified) ($\$) | | | | |
| 0015 | 0 | Airbag (15 - Airbag) (5Q0959655J 0830 Airbag/W20) | Perform Cancel | | | |

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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| Importer: 444 Dealer: 03999 RO: | VIN: Engine: | 1VWBS7A39GC024 CPRA 1,8I Motronic | | 🧀 🛃 💘 |
|--|---|--|-------|-------|
| Control modules Orders DISS TSB Test plan | Test overview | | | |
| Tests in current test plan Status Tests (sorted according to chances No diagnostic objects are sur-pecte | Function restric Reference volt Supply voltage Power supply 1 | age for fresh air blower herminal 30 er performance | ie i | |
| Perform test. Documents Remove Select self tes | 1 | cuments Attach to the test plan | Close | |

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

I 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 <u>without exception</u> 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.

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|-------------------------------------|--------------------|---|---------------------------------|--------------------|----------------|-----------------|--------------|
| All | 2009-2023 | | All | All | All | | All |
| | | | SAGA | Coding | | | |
| Claim Type: Use app | | | icable Claim Type ¹⁾ | | | | |
| Service Number: | | | Damage Code | HST | | Damage Location | |
| 8734 | | | 0010 | | | | |
| Causal Part: Select Labor Operation | | | on | 01500000 | 500000 | | |
| | | | Diagnos | tic Time 4) | | | |
| GFF Time expenditure | | 01500000 = Actual GFF printout - 100 TU max. | | YES | | | |
| Road Test | | 01210002 = 00 TU 01210004 = 00 TU | | NO | | | |
| Technical Diagnosis 0 | | | 01320000 = 00 | TU max. | NO | | |
| Claim Commen | t: Input "A | As per Te | chnical Bulletin 20 | 043704" in comm | ent sectior | n of Warra | inty Claim. |
| ¹⁾ Vehicle may be | e outside | any Warr | anty in which cas | e this Technical E | Bulletin is i | nformatio | nal only. |
| ²⁾ Code per warr | anty vend | lor code p | olicy. | | | | - |
| ³⁾ Labor Time Ur | nits (TUs) | are subje | ct to change with | ELSA updates. | | | |

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⁴⁾ Documentation required per Warranty Policies and Procedures Manual.

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.

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