

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).

^{© 2022} Volkswagen Group of America, Inc.

All rights reserved. Information contained in this document is based on the latest information available at the time of printing and is subject to the copyright and other intellectual property rights of Volkswagen Group of America, Inc., its affiliated companies and its licensors. All rights are reserved to make changes at any time without notice. No part of this document may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, nor may these materials be modified or reposted to other sites, without the prior expressed written permission of the publisher.



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).

All rights reserved. Information contained in this document is based on the latest information available at the time of printing and is subject to the copyright and other intellectual property rights of Volkswagen Group of America, Inc., its affiliated companies and its licensors. All rights are reserved to make changes at any time without notice. No part of this document may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, nor may these materials be modified or reposted to other sites, without the prior expressed written permission of the publisher.



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.

^{© 2022} Volkswagen Group of America, Inc.



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.

Model(s)	Model(s) Year		Eng. Code	Trans. Code	VIN Range From		VIN Range To
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.			

Page 4 of 5

© 2022 Volkswagen Group of America, Inc.

All rights reserved. Information contained in this document is based on the latest information available at the time of printing and is subject to the copyright and other intellectual property rights of Volkswagen Group of America, Inc., its affiliated companies and its licensors. All rights are reserved to make changes at any time without notice. No part of this document may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, nor may these materials be modified or reposted to other sites, without the prior expressed written permission of the publisher.



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.

© 2022 Volkswagen Group of America, Inc.

Page 5 of 5

All rights reserved. Information contained in this document is based on the latest information available at the time of printing and is subject to the copyright and other intellectual property rights of Volkswagen Group of America, Inc., its affiliated companies and its licensors. All rights are reserved to make changes at any time without notice. No part of this document may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, nor may these materials be modified or reposted to other sites, without the prior expressed written permission of the publisher.