01/09/2020

## SCOPE

This instruction is applicable for: Trailer system components.

### **INTRODUCTION**

In order to implement an efficient warranty process, it is important to involve WABCO customers and Service Partners in filtering out obvious rejection cases after visual inspection of claimed devices. This document provides inspection criteria as well as specific examples of such cases.

Thanks to this approach we will be able to simplify the process by eliminating unnecessary handling, including packing, transportation, physical inspection at WABCO, and return shipment. What's more, you we will be able to significantly reduce claim response time for the end user.

## **VISUAL INSPECTION CRITERIA**

Please check if the claimed device is still on warranty. The warranty period is defined in the contractual terms agreed between WABCO and its respective direct customer, including (without limitation) the region specific General Terms and Conditions of Sale and Delivery.

The warranty period starts on the day of delivery to WABCO customers. In case the delivery date can not be proven (e.g. by invoice or delivery note) by the customer, the warranty period starts from the manufacturing week indicated on WABCO nameplate.

Please perform a visual inspection of the device and check for traces of an incorrect usage of the product. Frequent reasons to reject warranty requests include the following:

- Damage to the product or its component parts caused by incorrect use or installation.
- Damage to the product or its component parts caused by incorrect operation out of approved conditions.
- Damage to the product or its component parts caused by lack of maintenance.
- Any unauthorized disassembling of the product or its component parts.
- Malfunction of the product due to internal contamination coming from the vehicle system.
- Missing WABCO nameplate.
- Problem with communication in the diagnostic program if the first connection and parametrization is successful, however the next conncetion shortly afterwards fail.
- Mistakes in parametrization that can be solved by resetting the ECU to the original WABCO parameters in the diagnostic program by the customer/workshop (Attachment 3).

Please check the table below for further claim examples that should be rejected by you without physical inspection at WABCO.

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#### **Trailer system components**



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REASON TO REJECT THE CLAIM	PART UNACCEPTABLE	PART ACCEPTABLE
	Ľ	V
Device or component is damaged / mechanical issue.		
Not proper installation / not proper handling. Verify with the instruction in attachments: 1.LV – checking the depth of adjusting screw. 2.Cable installation	Depth not OK < 9mm	
	or	9 mm ≤ depth OK ≥ 10 mm
	Depth not OK > 10mm	



REASON TO REJECT THE CLAIM	PART UNACCEPTABLE	PART ACCEPTABLE
Not proper installation / not proper handling. Verify with the instructions in the attachments: 1.LV – checking the depth of adjusting screw. 2.Cable installation	<section-header></section-header>	
	DOOR	LOCKS
	0	







REASON TO REJECT THE CLAIM	PART UNACCEPTABLE	PART ACCEPTABLE
	PLUGS AND C	ONNECTORS
Corrosion due to water ingress.		
Device is disassembled / opened.		
Missing component, not according to WABCO specification.		

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REASON TO REJECT THE CLAIM	PART UNACCEPTABLE	PART ACCEPTABLE
	E	3R
Mechanical damage of the bracket causing leakages through the ball.		WABECD 037 13/20 480 207 001 0



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## **ATTACHMENT 1**

Leveling Valve (LV) - checking the depth of adjusting screw.



- 1. Set up the lever in position 0°.
- 2. Block the lever.
- 3. Check the depth of the adjusting screw.
- 4. Correct value is: 9 mm  $\leq$  depth OK  $\geq$  10 mm

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## **ATTACHMENT 2**



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## **ATTACHMENT 3**

 $- \quad System \rightarrow Parameter$ 

1185-1 Disgnortic Settware (an) V5.50 245 301 585 0 UC30 Discretion Start-up Messages Control Messared velues	PRADU System Teals ODR Options Hids	- 🗆 X
	Med.blue hydrometrik. 1	WABCO
ECU DATA TERS-E	Collecte the height servers.  Delice the height servers.  An avoid the height servers.  An avoid the height servers.	Vehicle Control Systems
Device number:	Estheoden and her regist sources	
Software varion:	The brance is a real state with the on participa.	
Improveding: Operating hours:	Two SEPICIAL SET from EC. 11: PC.	+
CURRENT MESSAGE	O s	-
CONFIGURATION		
S CONSECTED ECIN		-

- Select ECU type and push button OK.

a data set	t directly
nput of vehicle and ECU type	Vehicle and ECU type from file
ECU type	
C Standard ECU	
Premium ECU	
Multivoltage ECU	
System	
Only TEBS-E ECU	
C TEBS-E with Electronic Extension Module	Read from file
C TEBS-E with TailGUARD ECU	
C TailGUARD For Truck and Bus	



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Start (2) Wehide (3) Brake data (4) Standard functions (11) Connector	
ECU parameters are displayed. Before saving the appropriate for the connected vehicle! The button for parameter pages v	2 parameter in the ECU, check that the set parameter is or writing the parameters to the ECU is only activated if all were active at least once!
	Next up to end sheet
T No longer show exclusions page as first page	Next up to end sheet

On the end sheet push button "write to file".



- Open page with parameters.
- Next up to second sheet.
- Push button "Read from file".

Vehicle type						Suspension
C Drevbartes'er						C // screnkally suspended
C Samiralar						(* Larvaling valva
C Doly axle						Integrated BCAS 1 point control
						C ATOT
C 1 G	2	C 3	C 4		C 5	Entograted BCAS 2 point control
AllS sustem						C 000 value
19 25,134 C	45(211	C 400284+	N C-00	н		C EDG REFERENCIAL MAY 18 19
Ade definition						C Extend EGAS
Rude .						<u>e</u> (a
			-	-	0	T TO: installed
Sensor e-d						
Sensor e-f	C	C	C	C	С	WABCO
3rd. moduletor	Г	E	Г	<b>—</b>		
Lifting axie 1	Г	E	Г	-	<b>—</b>	
Lifting axie 2	E .	E .	E		<b>1</b>	
Ac top sale	E	<b></b>	Г	Γ.		00
Hodulator mountin						
P Modulator in drive	ng direction (p	annector Towic	nieno)			→  7.0 414[1.0 + Distance anie(s) (m)
URI for vehicle info	rmation					
						Tread width (W)
	1.					
						Le le



#### **Trailer system components**

- Choose write file with generated original parameters.
- Next up to end sheet and push button "write to ECU".
- The personal PIN will be required.

105	16	Component(s) not yet assig	ned	Subsystems		
None	Ψ.			Norse		
304				In / Out		
Viear indicator (Pin 1)	•			None		Ψ.
None	•		<i>w</i>	610 7		
103	-	Company of the local division of	ACCOUNTS OF THE OWNER.	Norm		Ψ.
RTR valve 1 (Pin 1) None	-		1000.4EF	Additional input writche		
102			048	Nore		*
Nore		WAB	ICO sus-ana	None		
101		602 2 0				
Norw			1.00			
106		40-2200	10.100			
None	w.					
	[	Component(s) selected two	ce.	1		
					N	
					14	
		theritory Al take must be served	by the user before the par-	review are acitize.		