

MORE BENEFITS WITH NEW WABCO TRAILER EBS VERSION E5

From October 2015, WABCO will continue the success story of Trailer EBS E with version **TEBS E5**. The new version provides functional updates.

All part numbers will stay the same: Modulators in version TEBS E4 will not be produced any more.

The new modulator is identical to the current versions in terms of installation and braking functionality.



TEBS E5 modulator with PEM (Pneumatic Extension Module)

NEW FUNCTIONS AND BENEFITS OF TRAILER EBS E5

Function	Benefit
Seasonal traction help	Easier way to start Traction Help when customers require season-related traction help function, e.g. for Nordic Countries
TailGUARD with TEBS standard	TailGUARD function is available with Trailer EBS E Standard and Electronic Extension Module.
Level control after ignition-off	Ramp level will be maintained after ignition off even if a lift axle was lowered, saving operating time of the driver by avoiding manual levelling.
Return to nominal level after ignition on with eTASC	With eTASC, driver does not need to manually adjust t or depend on Return to Ride to avoid damage. Same behavior as ECAS valve: After ignition on, the trailer returns automatically to last driving level.
ECAS control settings based on GIO input	Provide customized ECAS behavior for special loading scenario, e.g. automatic loading docks
RSS Improvement	Provides more flexibility for trailer builders when choosing TEBS location on the chassis.
Avoid lift axle movements while braking	Avoid unexpected lift axle movements during driving → reduced tire wear and air consumption.
Level change through user will lower lift axles	Avoid unnecessary lift axle movements during standstill → provide stable loading/unloading conditions
Storage of OptiTurn events	All OptiTurn activities are saved in Operating Data Recorder (ODR) data as events.
Link to vehicle information can be stored in ECU	Possibility for trailer builders to provide vehicle information (vehicle manual, brake scheme) to the end user with a URL link in the ECU.

For detailed information of the functions please find the [TEBS E System Description](#), which will be published in the near future.

DIAGNOSTIC SOFTWARE

- To set parameters for TEBS E5, you need the TEBS E Diagnostic Software version 5.0 (or later). The new software (V 5.00) is available in German language for download in [MyWABCO](https://www.am.wabco-auto.com/mywabco) (<https://www.am.wabco-auto.com/mywabco>) up from calendar week 37/2015. English and further languages will follow.
You will be informed of the new software in other language by using the [Diagnostic Software Newsletter](#).
- The software for the Electronic Extension Module, Trailer Remote Control and SmartBoard must be up-to-date to enable the new functions to be used.
- A new PIN is not needed. Therefore, update training is not mandatory for customers.
- Old ECU files can be used in TEBS E5 directly.

MARKING & IDENTIFICATION OF TEBS E5 MODULATOR

Identification

- A green adhesive mark will be attached to the packaging and the modulator for an intervening period for easy identification of the TEBS E5.
- The version of the TEBS will also be shown on the name plate of the modulator.

Production date

- All modulators from calendar week 43/2015 onwards are guaranteed to be version E5.

Diagnosis

- The diagnostic identifier in the ECU data contains the value E5.

ODR Tracker

- A new version of ODR Tracker (V 4.30) will be available. It can neither read out the data from E5 Modulator directly, nor read hex-dump (*.asc file) of an E5 Modulator.
- TSO file must be downloaded by PC Diagnostic Software and then loaded into ODR Tracker V4.30.
- Current version (V4.20) is not compatible with TEBS E5 files.



ECU DATA TEBS-E	
Device number:	480 102 031 0
Production date:	2011-03-17
Serial number (ECU):	48625348
Serial number (modulator):	010203040506
Software version:	TE005001
Diagnostic identifier:	0B020700 (E5)
Odometer reading:	1000.0 km
Trip reading:	356.7 km
Operating hours:	0h 00min
ECU type:	Premium
Next service at:	100000 km

COMBINATION WITH ELECTRONIC EXTENTION MODULE AND SMARTBOARD

The software for the Electronic Extension Module and SmartBoard must be up-to-date to ensure that the new features work (for new vehicles or when retrofitted).

Below table shows overview of latest version of Electronic Extension Module and SmartBoard.

Product	Product Number	Diagnostic Identifier	Production Date
Electronic Extension Module	446 122 070 0	EX010405	43/2015
SmartBoard	446 192 11. 0	SB010702	37/2015

COMPATIBILITY WITH OLDER VEHICLES

Trailer EBS E5 is downwards compatible to TEBS E4 and can replace E4 versions of the modulator.

For further compatibility information regarding older version, please refer to the [Market Info of TEBS E4](#).

Components such as Trailer Remote Control, Electronic Extension Module or the SmartBoard do not need to be replaced, provided the functional range of the system is not changed.

More information on [Intelligent Trailer web page](http://www.wabco-auto.com/intelligenttrailer) (www.wabco-auto.com/intelligenttrailer).