MORE BENEFITS WITH WABCO TRAILER EBS VERSION E4

WABCO's Trailer EBS E success story continues with the introduction of the new version **TEBS E4** delivering innovative solutions for trailers.

All part numbers of the modulators will stay the same: Premium and Multi-Voltage versions will be introduced in December 2013 and Standard version will be introduced in January 2014. Modulators in Version TEBS E3 will not be produced any more.

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

TEBS E4 modulator with PEM (Pneumatic Extension Module)

NEW FUNCTIONS – TEBS E4

Function	Benefit
Electronic Park Brake	Prevent the release of trailer brake when trailer is coupled or uncoupled in the wrong sequence.
Trailer Length Indication	Provides accurate length information of extendable trailers on the SmartBoard.
External Overload Indicator Lamp	An additional lamp to show the status of the load condition during loading.
ECAS 2-Point Control w/o ELEX	ELEX is no longer needed for ECAS 2-Point Control.
ECAS Multi-Voltage	OptiTurn/OptiLoad is available on TEBS E Multi-Voltage.
Emergency Brake Alert update	Allows the emergency brake alert to be activated as well at a speed lower than 50 km/h.
TiltAlert update	Option: Alert warning active only when the tipper is lifted.
SafeStart update	Avoid the driver to drive with the lifted tipper by braking via spring brake instead of via service brake.
Forklift Control update	On 2-axle central axle trailer, the first or second axle can be lifted to balance the load depending on whether the forklift is docked.
Lift Axle Control	The lift axle automatic can be deactivated for each lift axle to directly influence the lifting/lowering of vehicles with multiple lift axles.
OptiTurn update	Optionally to activate OptiTurn only when all other axles are on the ground to save air consumption. Additonal parameter to activate OptiTurn when reversing.
RSS for Road Trains	Allows TEBS E to forward RSS information to the other TEBS E in Road Trains via Router.
Shared warning lamp and buzzer	Allows multiple functions to use one shared warning lamp or buzzer as output.

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

LIMITATION

TCE will no longer be supported by TEBS E4. The external ECAS ECU will only be supported by TEBS E Multivoltage from TEBS E4.

REQUIREMENTS FOR USE

Diagnostic Software

To set parameters for TEBS E4, you will need the TEBS E Diagnostic Software version 4.00 (or higher), which will be available for download in MyWABCO (https://www.am.wabco-auto.com/mywabco) from calendar week 48/2013 in German and English. A new training or PIN is not required.

You will be informed about the new software in other languages by using the Diagnostic Software Newsletter.

The software for the Electronic Extension Module (ELEX), Trailer Remote Control and SmartBoard must be up-to-date to enable the new functions to be used.

FEATURES OF THE MODULATORS

Identification

To ease the identification of the TEBS E4, a green adhesive sticker will be affixed to the packaging for a limited period of time. The version of the TEBS will also be shown on the name plate of the modulator.

Production date

From December 2013, all Premium and Multivoltage modulators are version E4. However, production will already have been switched during the last week of November 2013, meaning that a number of E4 modulators may have earlier production dates.

Diagnosis

The diagnostic identifier in the ECU data contains the value E4.

COMBINATION WITH ELEX AND SMARTBOARD

The electronic extension module and SmartBoard must be up-to-date to ensure that the new features work (for new vehicles or when retrofitted).

The below table shows the detailed information when some component in the system is not updated to the latest version.

Product	Product Number	Diagnostic Identifier	Production Date
Electronic Extension Module (ELEX)	**446 122 070 0**	EX010314	48/2013
SmartBoard	**446 192 11. 0**	SB010606	48/2013

COMPATIBILITY WITH OLDER VEHICLES

Trailer EBS E is downwards compatible and can replace older versions of the modulator as long as there's no TCE or external ECAS ECU assembled in the vehicle. In this case, it's recommended to use REMAN modulators for replacement.

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** (www.wabco-auto.com/intelligenttrailer).
Stay up to date, subscribe to our newsletter **registration**.