

TASC Valve – The trailer automatic Return-to-Ride valve

TASC (Trailer Air Suspension Control) combines the trailer's Lift-and-Lower function with a Return-to-Ride (RtR) function. This ensures automatic return to optimum ride height after loading or unloading by using the trailer's air suspension system.

TASC is part of WABCO's Zero Accident Program, which aims to reduce frequency and severity of road accidents involving trucks and trailers while driving, manoeuvring, loading or unloading.

With its new TASC, making trailer operations safer and easier, WABCO continues as the first commercial vehicle supplier to offer truck and trailer customers a complete portfolio of air suspension systems.

TASC is the only Return-to-Ride valve in the market that is operated by simply turning the handle left or right. (Rotate to Operate)



Benefits:

- **Lock In Low Position:** The handle can be locked in a position that brings the trailer to its lowest level, and keeps it there. This function is mandatory for transporting the trailer on trains or ships, as it maximizes the trailers' stability. It also allows drivers to do other activities while the chassis is lowering.
- **Easy Height Limitation:** TASC is the only Return-to-Ride valve in the market that is designed to be directly connected to a levelling valve with height limitation, without additional components.
- **Dead Man Control:** For trailer with a chassis stroke greater than 300mm, Dead Man Control is mandatory. Raising / Lowering will be stopped immediately when handle is released.
- **The RtR function** sets the vehicle into its driving height automatically, avoiding damages to suspension components and further enhancing vehicle and load safety.
- **Easy electrical connection** (DIN bajonet) to all brake systems using an impulse signal.
- **Easy to Retrofit:** TASC can be retrofitted to multiple applications such as for example a standard Raise Lower Valve. The TASC valve can be turned by 360° with steps of 90° to increase the possibility to install TASC in narrow mounting spaces. [Link](#)

Overview TASC variants	
Product	Type
463 090 020 0	Dual Circuit; RTR, handle locking in lower, with fittings, with test connector
463 090 021 0	Dual Circuit; RTR, handle locking in lower, with fittings
463 090 023 0	Dual Circuit; RTR, handle locking in lower
463 090 123 0*	Dual Circuit; RTR, dead man handle
463 090 012 0	Single Circuit; RTR, handle locking in lower

*available soon

For retrofit purpose, use relevant diagnostic software to set the integrated speed switch of the ABS or EBS ECU. Connecting cables are shown in below table.

TASC connection cables		
ECU	Cable	Length
VCS II	449 623 253 0 449 623 316 0	6m / 6m; 10m / 10m
EBS D	449 435 030 0	3 m
EBS E	449 443 xxx 0	Available as 0.8m, 1m, 2m, 4m, 6m, 10m (e. g. 449 443 040 0 is 4m long)

Please contact your WABCO partner for more information about this new product or visit www.wabco-auto.com/tasc