

NEW EBS AXLE MODULATOR AND TRAILER CONTROL VALVE FOR DAIMLER VEHICLES

Since the introduction of EBS in serial production in 1996, WABCO has developed four generations of Axle Modulator. Now we have launched two new 4th generation EBS Axle Modulators (with 1 and 2 channels) and one Trailer Control Valve to the Independent Aftermarket (IAM).

AXLE MODULATOR – GEN4

The Axle Modulator controls the brake actuator pressure on both sides of a single or dual axle; on the front axle as a 1-channel, on the rear axles as 1- or 2- channel modulator version.

It records the wheel speed using speed sensors, evaluates and sends them via the CAN bus to the central module, which subsequently calculates the nominal pressure. ABS control is applied directly by the rear axle modulators.

All axle modulators are equipped with an additional connection for the backup pressure control circuit for the brake signal transmitter. 6S/5M or 6S/6M systems can be designed with three axle modulators for controlling the individual wheels.



WABCO EBS Axle modulator
1-channel - Gen 4

TRAILER CONTROL VALVE

The Trailer Control Valve (TCV) controls the pressure at the coupling heads - and thus the braking behaviour of the trailer - by means of an electro-pneumatic circuit and a pneumatic circuit. It receives the nominal pressure values from the Electronic Control Unit. The TCV consists of a relay valve, a pilot unit containing a 2/2 inlet valve and a 2/2 outlet valve, a 3/2 backup valve, a breakaway valve and a pressure sensor. Electrical control and monitoring is performed by the central electronic control unit.

PRODUCT NUMBERS, CROSS REFERENCES

Product	WABCO product number		Cross reference Daimler
	IAM	OE	
EBS Axle Modulator 1-channel - Gen4	480 106 300 0	480 106 511 0	A0004296324
EBS Axle Modulator 2-channel - Gen4	480 106 301 0	480 106 004 0	A0004296424
EBS Trailer Control Valve	480 204 400 0	480 204 030 0	A0014311213

Information on WABCO products can be found in our [webshop](http://webshop.wabco-auto.com) (webshop.wabco-auto.com) by entering the product number in the "Search Products" field.

Please contact your [WABCO partner](http://www.wabco-auto.com/findwabco) for further information (www.wabco-auto.com/findwabco).