

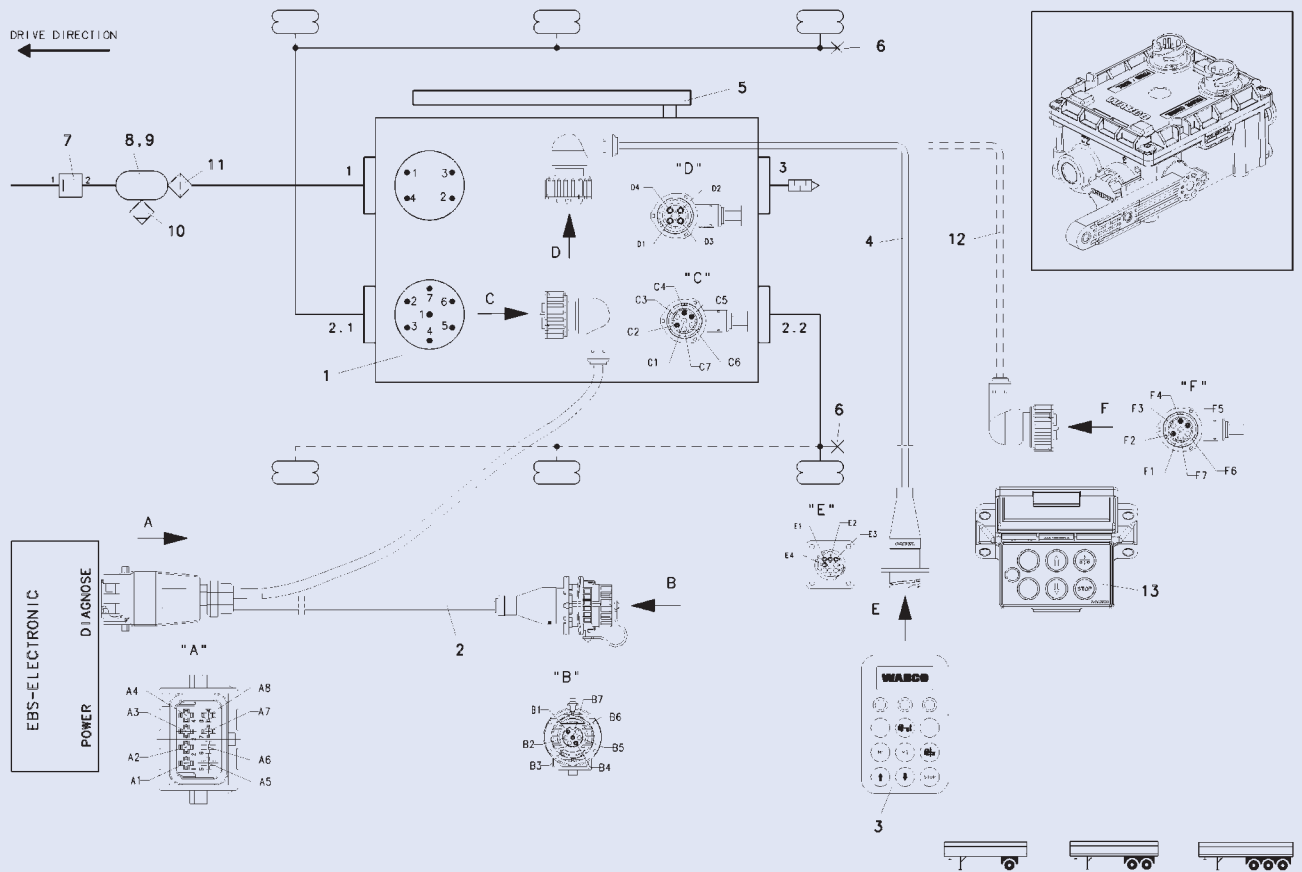
ELM

Electronic Air Suspension Module
for Trailers with Air Suspension

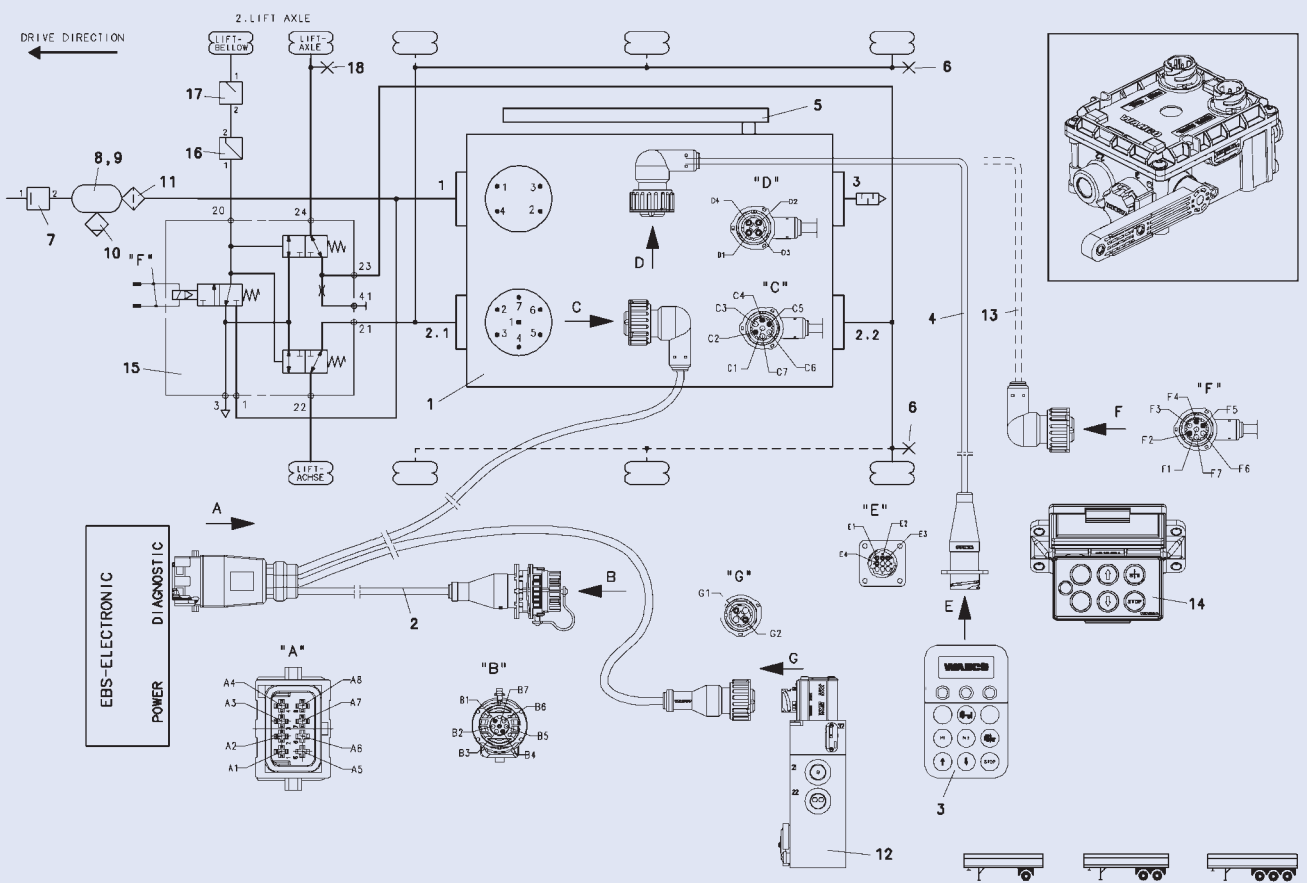


WABCO

ELM wiring scheme for EBS



ELM wiring scheme for EBS with lifting axle



Electronic Air Suspension Module



Air suspension has been used in motor vehicles since the mid-fifties. In trucks and trailers air suspension has established itself mainly in heavy vehicles for the transportation of goods. It has proven of value as a considerable improvement of driving comfort. Especially for this market WABCO has developed the compact Electronic Air Suspension Module ELM.

ELM combines the functions of the conventional air suspension valve and the rotary slide valve. It offers considerable benefits compared to conventional air suspension systems:

- Automatic return to driving level
- Constant vehicle level during loading or unloading
- Storage of two different loading ramp levels
- Automatic stop function (integrated dead man control)
- Safe handling outside the danger zone via remote control unit
- Operating box suitable for connection at the vehicle frame

ELM offers major benefits to both vehicle owners and vehicle manufacturers:

- Increased driving comfort
- Protection of the vehicle load
- Constant driving level

The customer thus receives a vehicle according to his needs. ELM works in combination with WABCO's anti-lock braking system VCS or the electronically controlled braking system Trailer EBS. The easy installation of ELM requires no additional diagnostic tools.



WABCO, the vehicle control systems business of American Standard Companies, is the world's leading producer of electronic braking, stability, suspension and transmission control systems for heavy duty commercial vehicles. WABCO products are also increasingly used in luxury cars and sport utility vehicles (SUVs). Customers include the world's leading commercial truck, trailer, bus and passenger car manufacturers. Founded in the US 135 years

ago as Westinghouse Air Brake Company, WABCO was acquired by American Standard in 1968. Headquartered in Brussels, Belgium, the business today employs nearly 6500 people in 29 office and production facilities worldwide. In 2003, WABCO contributed US\$ 1.358 billion to American Standard's total sales of US\$ 8.568 billion.

Website: www.wabco-auto.com

