

**PEM is impressive not only on the Trailer EBS E Modulator**

The Pneumatic Extension Module (PEM) is widely known as an add-on part for the Trailer EBS E Modulator. It combines in a single module "pneumatic extensions" which would otherwise need to be adapted as separate additional devices and distributors. This saves time and money and makes a repair easier in the event of a fault.

Due to great demand, we now also offer the PEM as a separate unit that

- can be installed separately from the TEBS E Modulator to save space - just one of its benefits
- and can also easily be used in combination with VCS II or TEBS D systems.

**Two units, two distributors, 12 ports**

Integrated in the PEM is a charging valve for the air suspension system with all the required connections for the reservoir and control units. The charge valve has a check valve to protect the air suspension in the event of greater air requirement, preventing the vehicle from being lowered onto the buffer.

The overload protection valve, which is also integrated, prevents compounding the braking force to the Tristop® cylinders. When the spring brakes are in braking position due to the PREV or the dual release valve, they are released again in the event of a simultaneous build-up of pressure via the service brake. The PEM provides ports for Tristop® cylinders on two axles.

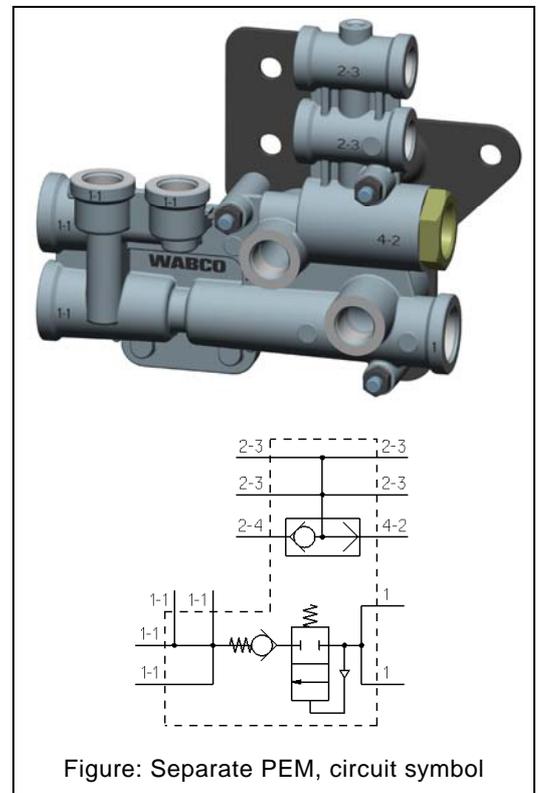


Figure: Separate PEM, circuit symbol

Pneumatic Extension Module order numbers	
Size	Part number
PEM as a separate unit	461 513 010 0
PEM as a repair kit with screws and O-rings for the TEBS E Modulator (without quickfit connector)	461 513 920 2

You will find a circuit diagram showing a PEM application in combination with TEBS E under 841 701 220 0 in INFORM or directly by clicking this [link](#).

Please speak to your WABCO partner about the separate PEM!