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Overcoming limitations with CAN Router and CAN Repeater

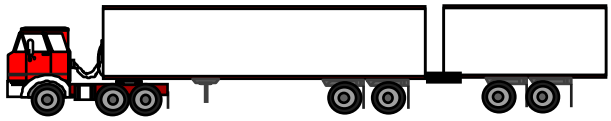
With the CAN Router and the CAN Repeater WABCO offer solutions for tractor-trailer combinations with several trailer braking systems and for special vehicles with cable lengths that are not in accordance with regulations.

CAN Router and CAN Repeater comply with the ISO 11992 standard and therefore the specifications for the transmission of CAN bus signals.

Control of several TEBS E systems

Not only tractor-trailer combinations with several trailers, such as the Eurocombis or the Australian road trains, require several Trailer EBS E1 systems to obtain a good braking response right down to the last axle of the tractor-trailer combination.

With the CAN Router it is easy to connect two Trailer EBS E systems with one another: the CAN router is simply connected to the power cable instead of the modulator in the first trailer. Outputs with bayonet connectors are provided to connect two Trailer EBS E1 systems. One of these outputs can be routed to the second trailer, via an additional trailer coupling at the rear for instance.



CAN Router 446 122 052 0

You will find circuit diagram for such a trailer in INFORM under 841 601 287 0 or directly via this Link.

Two Trailer EBS E may also be advisable for trailer vehicles with many axles to ensure sufficient driving stability. A corresponding circuit diagram has the number 841 601 245 0

Long vehicles

The permitted length for the CAN bus in a trailer is 18m.

This is frequently insufficient for telescopic low-bed semitrailers or timber trailers. This is where the CAN Repeater can help; it amplifies the signal much like an antenna booster. This device is also connected into the power line with bayonet connectors and allows CAN bus lengths of up to 80m.

CAN Repeater 446 122 053 0

You will find the circuit diagram for such a trailer under 841 701 055 0.

Of course the CAN Router and the CAN Repeater can also be used in combination with Trailer EBS D.

Please speak to your WABCO partner about these new products!