

RSSplus™  
Roll Stability Support For Trailers

SAFETY



## Keep it on the level. With RSSplus™

RSSplus is the next generation of Meritor WABCO's roll stability support system for trailers that incorporates industry-leading ABS performance, key safety features and improved roll mitigation. RSSplus helps maintain trailer and overall vehicle stability, while integrating ABS, Power Line Carrier (PLC) communication for the transfer of trailer data to an in-cab PLC Display, plus telematics capability for transmitting real-time trailer data to fleet headquarters.

The system simultaneously monitors trailer wheel speed, lateral acceleration and suspension pressure. If the vehicle approaches its rollover threshold, RSSplus automatically applies trailer brakes as needed in order to reduce the risk of rollover and help bring the vehicle under control.

RSSplus Roll Stability Support for trailers provides excellent stability even if your tractor is not equipped with a tractor stability control system. Effectiveness is even greater when your tractor is equipped with Meritor WABCO Electronic Stability Control or Roll Stability Control.

RSSplus is the latest in the industry-leading series of Meritor WABCO stability enhancement systems, which were the first to market back in 2002. RSSplus is an advanced 2-modulator roll mitigation system that provides independent side-by-side control for optimum rollover protection.



## RSSplus provides stable performance for your trailer.

Drivers appreciate the way that RSSplus gives advance warning of impending instability and then automatically goes into action to apply the trailer brakes to help bring the vehicle under control.

## Be sure of vital trailer performance data too.

To keep your driver informed of real-time trailer performance data, RSSplus features integrated ABS and Power Line Carrier communication for the transfer of real-time trailer data to an in-cab PLC Display. And its telematics capability provides for the transmission of trailer data to fleet headquarters. Trailer data can include trailer suspension weight, tire pressure, wheel-end temperatures and many other customized reports.



PLC Display for real-time trailer data in-cab.



"System Off"



"System On"



RSS*plus* incorporates industry-leading ABS functionality.

### RSS*plus* competitive advantages snapshot.

- Supports both spring and air-ride suspensions
- Integrated filters for both control and supply air
- Optional stoplight power cable to illuminate the brake lights during an RSS event
- Provides five generic I/O ports to monitor customer-defined functions such as tire inflation system status, ThermalALERT™ hot wheel-end warning, tag axle and lift axle control, lining wear, reefer zone, fuel status, back up light and more
- Treated cast valve provides strength and durability as well as eliminates thermal expansion issues over valve life
- Individually serviceable ECU and valve components reduce service costs
- Integrated PLC provides instant transmission of stability events to tractor-installed telematic devices

### RSS*plus*: designed specifically for the North American market.

RSS*plus* meets important customer requirements:

- Supports both spring and air-ride suspensions
- Provides a 50% reduction in electrical system demand during active braking due to pulsing of solenoids
- Incorporates diagnostics and meets SAE recommendations using TOOLBOX™ software, PC or simple blink codes and PLC at nose of trailer
- Includes onboard data recording for effective fleet management
- Includes 3-Year/300,000-Mile Parts and Labor coverage under Meritor WABCO comprehensive warranty
- Available for aftermarket retrofits or trailers already equipped with Meritor WABCO ABS or a different ABS brand. For additional information on RSS*plus* retrofits, please refer to publications SP-0785 and TP-0988

### RSS*plus* from our family of integrated active safety systems.

The Meritor WABCO pyramid of safety illustrates how Meritor WABCO active safety systems are integrated to provide the industry's leading comprehensive protection package. Beginning with Meritor WABCO ABS as the foundation, you can add additional Meritor WABCO active safety systems as your needs require.

Meritor WABCO  
Pyramid of Safety



### Full active safety systems integration.

- OnGuard™ Collision Safety System with Active Braking automatically maintains a safe following distance to avoid or reduce the impact of rear-end collisions
- SmartTrac™ Stability Control Systems
  - Electronic Stability Control (ESC) for tractors/trucks; addresses roll and directional instabilities
  - Roll Stability Control (RSC) for tractors/trucks; addresses roll stability and control of vehicle on road surface where friction generates high lateral acceleration
  - RSS*plus* Roll Stability Support for trailers; addresses roll phenomenon, and works in concert with ESC and/or RSC
  - Next-generation ABS and Automatic Traction Control (ATC) for tractors and trailers

For more information, call our customer service team at 1-800-535-5560 or visit [meritorwabco.com](http://meritorwabco.com).



# MERITOR WABCO

Litho in USA  
Revised 10/09  
SP-09140 (13028/11900)

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