



Roll Stability Support  
RSSplus™ Trailer Retrofit

**MERITOR WABCO**

*Safety Strong. Efficiency Smart.*

## Roll Stability Support RSSplus™ Trailer Retrofit



"System On"



"System Off"

### Performance Advantages:

- Industry-first and leading independent roll stability system for trailers that helps reduce the potential for tractor-trailer rollovers and increases driver safety
- Versatile retrofit product designed to fit trailers already equipped with Meritor WABCO ABS, a competitive ABS brand, or even non-ABS trailers
- Available for air or spring suspension equipped trailers
- Monitors lateral acceleration and applies trailer brakes at rollover threshold to reduce speed and lower lateral acceleration
- Helps maintain trailer stability, even if the tractor is not equipped with a stability control system
- For maximum directional control and stability combine our dedicated trailer stability support system with either SmartTrac™ tractor stability systems
  - RSC helps maintain tractor stability and reduces the likelihood of tractor-trailer rollover
  - ESC improves vehicle handling if there is an impending loss of control

### Features and Benefits:

- Monitors the trailer's wheel speed, lateral acceleration and air suspension pressure or spring deflection, and activates trailer brakes to slow the vehicle when necessary
- Software solution incorporating trailer ABS that operates independently from the tractor stability system
- For retrofits, if trailer is already equipped with Meritor WABCO ABS, existing sensor cables can be re-used to decrease installation expense
- Full range of diagnostics including blink codes
- Integrated filters for both control and supply air
- Integrated PLC provides instant transmission of stability events to tractor-installed telematic device
- Operating Data Recorder (ODR) captures key information pertinent to trailer operation
- Service and support throughout North America by our industry-leading customer service team
- Our comprehensive warranty includes 1-Year/100,000-Miles parts and labor

## How to Identify the Retrofit Kit Needed to Convert to RSSplus™

First, check to see if your trailer has Meritor WABCO ABS already installed. The sensor/modulator configuration on your trailer will determine the kit that's right for your trailer. If your trailer is equipped with Meritor WABCO ABS, check to see if it has a 2-sensor/1-modulator (2S/1M) configuration or a 4-sensor/2-modulator (4S/2M) configuration. If your trailer is not equipped with ABS, or has ABS manufactured by another supplier, we have the right kit for you. The chart below will help you determine the correct part number and kit components for your application.

### Ensuring Proper Installation

To properly complete the retrofit, the point of installation will need to have the following diagnostic tools.

- J1587/J1708 to RS232 or PLC to J1708 interface versions of 8.12 TOOLBOX™ software (available from SPX® Service Solutions 1-800-328-6657)
- Sensor jig, if needed
  - Sensor block mounting fixture for TN/TQ axles (S100 100 100 0)
  - Sensor block mounting fixture for TP axles (S100 100 101 0)
- Tractor must have constant power for RSSplus to function
- RSSplus is not approved on doubles or triples
- B-Trains are approved using Meritor WABCO's patented valve solution. It is highly recommended to have RSSplus on the lead and pup trailer. Please contact Meritor WABCO Trailer Engineering at 800-535-5560
- For further information, refer to the following publications:
  - MM-0888 RSSplus Maintenance Manual
  - TP-0887 RSSplus Installation Guide
  - TP-0988 RSSplus Retrofit Application Guide

**Meritor WABCO's Lift Axle system supports various trailer configurations. For more information, call the customer service team at 888-725-9355 or visit [www.meritorwabco.com](http://www.meritorwabco.com).**

## The Right RSSplus Retrofit Kit for Your Application

### RSSplus Air Ride Retrofits 4S/2M

Existing Trailer Set-up	2S/1M Units	4S/2M Units
MW ABS-Equipped Trailer	R955464	R955466
Non-ABS or Other Non-MW ABS-Equipped Trailer	R955465	R955465

### RSSplus Spring Ride Retrofits 4S/2M

Existing Trailer Set-up	2S/1M Units	4S/2M Units
MW ABS-Equipped Trailer	R955469	R955471
Non-ABS or Other Non-MW ABS-Equipped Trailer	R955470	R955470

### RSSplus Air Ride Retrofits 2S/2M

Existing Trailer Set-up	2S/1M Units	4S/2M Units
MW ABS-Equipped Trailer	R955467	—
Non-ABS or Other Non-MW ABS-Equipped Trailer	R955468	—

### RSSplus Spring Ride Retrofits 2S/2M

Existing Trailer Set-up	2S/1M Units	4S/2M Units
MW ABS-Equipped Trailer	R955472	—
Non-ABS or Other Non-MW ABS-Equipped Trailer	R955473	—

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For more information on Meritor WABCO's Products call our OnTrac Customer Service team at 866-OnTrac1 (866-668-7221) or visit [meritorwabco.com](http://meritorwabco.com).

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