

Automatic Lift Axle Control System Frequently Asked Questions

What is an Automatic Lift Axle Control System?

A fully automated system that has the ability to monitor trailer load & automatically lift or lower the lift axle(s) without driver intervention.

What are the benefits of Meritor WABCO's Automatic Lift Axle Control System?

A fully automated system reduces the chances of overloading the axle(s) due to driver error. Lift axles increase wheel end life, brake life, fuel efficiency and life of tires. Meritor WABCO's system is also a more cost effective solution as opposed to stand alone lift systems.

Is there a weight sensor?

No, the ECU reads the spring bellow pressure and estimates weight utilizing a pressure sensor.

Is the system compatible with any ABS or RSS systems?

Meritor WABCO's Automatic Lift Axle Control System is compatible with Meritor WABCO's InfoLink capable ABS and Meritor WABCO's RSS 1M and RSS 2M.

RSS Part Numbers

- 480 110 001 0 (1M)
- 480 107 000 0 (2M)

ABS Part Numbers

- 400 500 106 0 (2S/1M)
- 400 500 105 0 (2S/2M, 4S/2M, 4S/3M)

Can fleets calibrate the lifting and lowering thresholds?

TOOLBOX™ 11.3 provides fleets with the ability to adjust lifting and lowering pressure limits to meet local road laws. The default lifting and lowering thresholds are set by trailer OEM's. Fleets that adjust pressure settings for local road laws can revert back to the OEM settings by referencing the lift axle label (located on the side of the trailer).

Is there a status indicator in the cab?

The InfoLink PLC Display is an optional product that has the capability to visually and audibly alert the driver when the axle is lifted. This indicator is an optional feature, which is displayed when the axle(s) is in the raised.

What is the clearance of the lifted tires from the ground?

This depends on the individual suspension suppliers. Contact your suspension supplier for specific tire clearance.

How many lift axles can be lifted simultaneously with one system?

The maximum number of axles lifted simultaneously is two. The raised axles can be any two axles on the trailer.

Can the system control two lift axles independently?

No, the system controls axles at the same time and allows for one pressure setting for all lift axles.

Which lift axle suspensions does the system comply with?

Meritor WABCO's Automatic Lift Axle Control System is compatible with any air ride equipped lift axle suspension.

Can the lift axle be raised with a loaded trailer?

The lift axle cannot be raised with a fully loaded trailer due to increased risk of overloading the primary axle.

Does the system work with a "stoplight power only" tractor or trailer?

No, it requires constant power. When trailer power is disconnected the lift axle defaults to the lowered position.

Can the system be used in conjunction with competitor brand ECUs?

The system works with Meritor WABCO SmartTrac ECUs.