Lift Axle Control

Pressure Protection for Chassis Air Systems in the Truck and Trailer Market

Technology Innovation

Parker lift axle solutions are fully integrated modules for lift axle control on multi-axle vehicles with air suspension systems, helping to distribute load weight evenly on the road surface.

Offering both manual and fully automatic systems, the Parker range of solutions provide the ability to save costs through reduction of tyre wear and fuel consumption as well as reductions in vehicle excise duty.

Parker lift axle solutions, designed and manufactured according to the latest European standards, represent a way to add value for your customers by choosing a product which can lead to cost savings and improved performance further down the chain.

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Product Benefits:

Significant Cost Savings
• Reduced tyre wear & fuel consumption when axle is lifted
• Lower payable vehicle excise duty if lift axles are installed

Exceptional Safety
• Improved Parking Safety with auto-lowering of axle on power down
• Improved off-road traction when auto axle lower override is engaged
• Fully automated systems mean less work for the driver

Superior Quality & reliability
• Proven, reliable technology means you can trust our products
• Design & manufacture of products according to ISO TS16949 Standards
Lift axle function

The lift axle is automatically raised when the primary axle load is below the safe working weight using either using a system of fully integrated electronic controls and interlocks or remote control from the existing vehicle electronics, saving on tyre wear and improving fuel economy.

When the weight on the primary axle raises above its safe working load, the lift axle will automatically lower to spread the additional load across both the lift and primary axles.

Overrides and safety are built into the control to ensure the axle always lowers when power is lost for safety and the axle can be lifted temporarily to improve traction on the primary drive axle when working on uneven ground.

Options:

- Automatic version available with or without electronics
- Semi-automatic and manual versions also available
- Traction Control
- Airbag protection
- Compliance with speed regulations
- Weight overload protection

Lift axle integration diagram