Maximize your mobility with Spicer® CTIS

Improved Mobility
• Increases traction on unimproved roads, severe grades, sand and mud.
• Allows higher vehicle speeds over a greater variety of terrains.
• Allows continuous vehicle operation in the presence of minor tire leaks.

Reliable Performance
• Eliminates tire leak down – seals and control hoses are isolated from tires and not pressurized during normal operation or when parked.
• Wheel valves are sealed from environmental contamination.
• Truck brake air supply is protected by an air priority system.

Advanced Features
• Convenient push button operation allows accurate selection of tire pressure for terrain and load condition.
• Automatic over-speed protection inflates tires to the required pressure for vehicle speed.
• Tire maintenance feature checks and maintains pressure at selectable time intervals.
• Multi-channel pressure control available by axle groups.
• System provides integration and control of engine, transmission, ABS and axle differential locks via a SAE J1939 (CAN) data link.
• Field programmable.
• Integrated diagnostics alerts driver of potential tire problems and system status.
Spicer® CTIS
(Central Tire Inflation System)

Features:

**Wheel Valves**
Normally closed design isolates tires from potential air system leaks, eliminating tire leak down when parked. Available options allow for integration into aluminum wheels eliminating the need for external hoses.

**Quick Release Valves**
Serves as a remote air exhaust port. Can be fitted with an external hose to allow venting above deep water fording levels.

**Pressure Switch**
Monitors vehicle wet tank pressure. Provides air system priority to brakes which suspends CTIS operation in the event of low truck air system pressure.

**Electronic Control Unit Option**
Provides operator selections for terrain and can be configured to optimize tire pressures based on axle loads. Has ability to control engine speed, transmission shifting, ABS and axle differential locks. J1587 and J1939 data link compatible. Built-in self diagnostics. Field programmable.

**Integrated Control Switch/Driver Display Module**
Compact rocker switches and display module are designed for instrument panel mounting. Offers same features as above, and comes with a remote mounted electronic control unit.

**Pneumatic Control Unit**
Controls air flow to single or multiple tire groups. Pressurizes system only during inflate/deflate cycles, thereby extending air seal life.

For spec’ing or service assistance, call 1-877-777-5360 or visit our website at www.dana.com

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