

BENDIX® TABS-6

TRAILER ANTILOCK BRAKING SYSTEM

Bendix Introduces Our Most Simple, Reliable and Flexible Trailer ABS Product - Ever

A Simple Choice in Specing Trailer ABS

Bendix makes it possible with TABS-6, a trailer ABS system designed with numerous configurations, advanced diagnostic and the fewest connections features. TABS-6 is the smallest and lightest system with robust features that provide fast and reliable brake timing for all applications while reducing the installation and maintenance headaches found with all other trailer ABS units.

Flexibility In System Configurations

Bendix offers more system configurations than any other manufacturer, providing greater coverage for your desired trailer or dolly braking system. With approximately 90 percent of the North American trailer market utilizing two sensor/one modulator (2S/1M) installations, TABS-6 is truly optimized for this standard configuration. However, the system is available in a variety of configurations up to a 4S/3M design that accommodate full trailers or trailers with additional lift axles. Plus, Bendix is the only manufacturer to offer a 2S/2M Axle system.

Simplicity In Design And Installation

The Bendix TABS-6 system eliminates failure points under the trailer with the fewest electrical connectors of any other system. The simple design translates to increased reliability and reduced installation and maintenance costs.

TABS-6 is the only 2S/1M system with an internal modulator connector providing maximum protection. The integral 5-pin power connector allows installers to plug the trailer's chassis harness directly into the electronic control unit (ECU) which means that OEMs no longer need to purchase and install a separate power cable with an additional connection. With the integrated through-hole bolt design, TABS-6 is very simple to install with tank or frame mounting without the need for specialty brackets.



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Durability In The ECU

Driving water, salt and road grime wreak havoc under your trailer, which can compromise the durability of other manufacturer’s trailer ABS components. Through superior design, TABS-6 combats these elements with a variety of features.

The ECU is permanently sealed from the elements. ECU cavity breathing during temperature changes can lead to seal failure and contaminant penetration in other systems. To eliminate this risk, the Bendix® TABS-6 ECU features a pressure equalization valve. The fibrous membrane valve allows air to pass in and out of the unit but not water molecules. Featuring a sliding lock, an ECU connector cover acts as a secondary protection against water splash, virtually keeping connector seals dry in all conditions.

All external TABS-6 electrical connectors are positioned vertically to create a natural and permanent drip loop away from the ECU. Horizontal connectors found on other trailer ABS units can cause water to collect and pool within the ECU, promoting corrosion and early failure.

Bendix® TABS-6 Trailer ABS... Responding To Your Needs

	TABS-6 SYSTEM	
	Standard	Premium
Sensor (up to)	2	4
Modulator (up to)	1	3
J1587	–	S
Mounting	Tank/Frame	Tank/Frame
PLC (receive/transmit)	S/S	S/S
Customization	O	O
I/O available (up to)	1	6

S= Standard O = Optional/Configurable
Bendix® TABS-6 System includes the following Bendix components: TABS-6 Controller and WS-24™ Sensors.

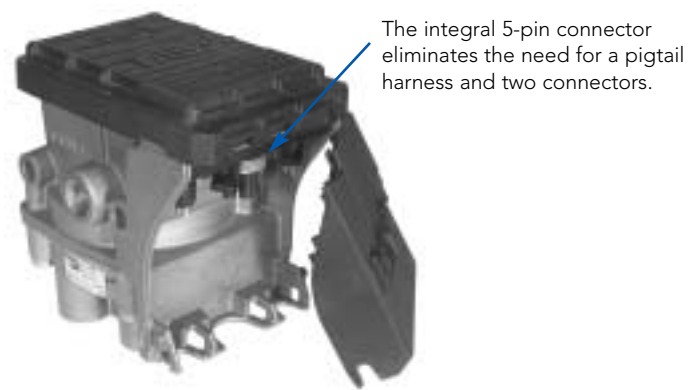
Advanced Diagnostic Capabilities Reduce Maintenance Costs

TABS-6 offers an advanced blink code function that provides technicians with highly comprehensive diagnostic trouble codes to pinpoint specific reasons for faults. Other systems feature “dummied down” codes that may actually increase maintenance costs, as technicians must spend more time troubleshooting.

Only Bendix offers automatic clearing of ALL trouble codes for trailer braking systems. This industry-exclusive TABS-6 feature eliminates the need to move or lift a trailer following repair work. Alternative systems require technicians to either jack up the trailer to spin the wheels or hitch the trailer and drive it around to clear trouble codes.

To further reduce maintenance costs and trailer downtime, TABS-6 displays all available trouble codes when activated, allowing technicians to identify multiple repairs and order all necessary parts at one time. Some systems provide only one blink code at a time, requiring that repair to be completed before viewing the next code. Using TABS-6 blink code diagnostics, the technician can also identify stored trouble codes, system configuration and even trailer odometer mileage – another Bendix exclusive.

Bendix also offers the Trailer Remote Diagnostic Unit (TRDU), the industry’s smallest and most cost effective full function ABS diagnostic tool that displays ABS fault information using LED lights, and fits in your pocket.



Protecting The Control Line

The most vulnerable area of any trailer ABS unit is in the control line as a small amount of solid contamination can build up quickly and cause reduced service braking. TABS-6 uses an integral and serviceable nylon control line screen to catch solid contaminants before they enter the ABS valve and cause diminished performance and expensive replacement. Placing the filter in the control line port makes the TABS-6 twenty times more robust than systems without an integral filter against the effects of contamination.

Bendix TABS-6

Trailer Product Summary

	Standard	Premium
Core ABS	•	•
Diagnostics	•	•
Prognostics		•
Customization	•	•

Advanced Select Smart™ Control

Only Bendix offers the performance of patented Advanced Select Smart™ Control. The TABS-6 2S/1M system intelligently assigns braking power in every road condition. Rather than under-braking in a single wheel slip scenario or over-braking causing tire wear, the Advanced Select Smart Control analyzes the performance of each sensed wheel as it begins to lock and applies optimized braking pressure accordingly. Maximum braking power is provided while still protecting the tires. Drivers prefer this performance as it also significantly improves driver feel.

Auxiliary Design Language

TABS-6 includes a patent-pending customization feature, Auxiliary Design Language (ADL), which enables special functions beyond ABS that would normally require an additional ECU, such as trailer tracking, lift axle and slider actuation, ride-height adjustment, etc. The superior ADL function accommodates quick, customized subprograms while strictly maintaining the integrity of the ABS function, avoiding lengthy system re-validation cycles.

Auxiliary Design Language (ADL)

- Enables custom special functions for your fleet
- Most cost-effective feature control
- ABS algorithms are protected by a virtual barrier
- Download to your vehicle through the Bendix® ACOM™ diagnostic tool by the vehicle/trailer manufacturer or in your shop.

Customization Possibilities

- Trailer tracking
- Lift Axle actuation
- Slider pin actuation/interlock
- Ride height adjustment
- Refrigerator temperature management

TABS-6 Integrates with Dana® Spicer® Tire Inflation and Monitor System

Dana® Spicer® Tire Maintenance System (TIMS™) function has been integrated within TABS-6. This allows Bendix and Dana to provide the world's first integrated full-function smart tire inflation system for trailers, while completely eliminating the additional electronic controller. No other system available today can provide this high level of protection with so few components.



Superior braking performance. Compact and modular. Easily configured to meet your needs.

**Discover what Bendix TABS-6 Trailer ABS can do for your fleet. Talk to your Account Manager,
call 1-800-AIR-BRAKE (1-800-247-2725), or visit www.bendix.com today.**