

## BENDIX® TRAILER REMOTE DIAGNOSTIC UNIT (TRDU)

### Trailer ABS troubleshooting... the code ahead is clear

When you need to get that trailer back on the road, the ability to quickly and accurately pinpoint ABS system problems can make all the difference. Only Bendix offers automatic clearing of ALL trouble codes for Bendix® Trailer ABS systems with our new Trailer Remote Diagnostic Unit (TRDU).

### Simple, Portable, Powerful

The Bendix® Trailer Remote Diagnostic Unit (TRDU) is the industry's smallest and most cost-effective ABS diagnostic tool. The TRDU provides immediate system status, displaying which ABS component has fault information using colored LED lights. No waiting for blink codes. No thumbing through manuals. Just fast and easy troubleshooting.

**Easy to Use:** The TRDU is intuitive and easy to use so your maintenance staff can spend less time learning how to work with the tool and more time fixing the problem.

**Low Cost:** The original patented design provides exceptional functionality at a very affordable price. Eliminate tool sharing by putting a TRDU in every toolbox.

**Compact Size:** It's only 1½" in diameter by 1⅝" tall. And because it is portable, you can use it in the shop or take it wherever you need to go.

**Compatible:** The flexible Bendix TRDU supports the complete range of Bendix Trailer ABS components, including Bendix® TABS-6 Advanced, A-18 (Gen 5), and MC-30 Electronic Control Units (ECUs). The TRDU also reads and interprets the most common competitive Trailer ABS Diagnostic Trouble Codes (DTCs) and displays the corresponding component.

### Fast and Accurate Diagnostics and Displays Every Time

#### Deliver Diagnostics

Put the battery powered trailer lamp tester already in your shop to greater use. The Bendix® Trailer Remote Diagnostic Unit (TRDU) is designed to be installed on any mobile lamp tester already in your shop at the 7-pin adapter. That means that every time the trailer lamps are tested, you receive trailer ABS diagnostics as well.

The TRDU communicates through the blue wire of the trailer electrical connector at the nose or rear of the trailer, to the Trailer ABS unit. Communicates via "PLC" Trailer ABS ECU's manufactured 2001 and later.



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## Obtain Odometer Mileage

The blue LED on the Bendix TRDU will display the odometer information (x1000). Zeros will be displayed by a strobe effect on the blue LED (x2).

**For Example:** 152,431 miles will be displayed by Bendix® TABS-6 as one of these two options:

**152 (x1000) or 1 blink (pause)/5 blinks (pause)/2 blinks**

## How the Bendix® TRDU Works

The Bendix TRDU simply plugs into the trailer's 7-pin connector using an adapter. The green LED will flash four times to indicate communications have been established.

## Troubleshooting

If the Trailer ABS system has no active trouble codes or faults, only the green "VLT" LED on the top of the TRDU will remain lit to indicate that the system is receiving the proper voltage. If the Trailer ABS system has at least one active Diagnostic Trouble Code (DTC), the red LEDs will light-up to indicate the malfunctioning Trailer ABS component and its location. (For any Bendix TABS-6 system, the blink code sequence and the exact DTC is blinked out on the trailer mounted ABS warning lamp.)

## Once the Repair is Complete, It's Easy to Reset the Trailer ABS System Using the Bendix® TRDU.

### Reset Functions Include:

**Clearing Diagnostic Trouble Codes:** To clear diagnostic trouble codes, simply hold a magnet over the center of the TRDU until all LED's illuminate for less than six (6) seconds.

**Self-Configuration Command:** To initiate the Bendix® Trailer ABS self-configure command, hold a magnet over the center of the TRDU until all LED's illuminate for more than six (6) seconds, but less than 11 seconds.

## Fast and Easy Trailer ABS Troubleshooting In a Pocket-Size Package

**Keep your vehicles on the road and out of the shop. The portable Bendix® Trailer Remote Diagnostic Unit (TRDU) offers quick, accurate diagnostics for your Trailer ABS system. Find out more. Talk to your Bendix Account Manager, call 1-800-AIR-BRAKE or visit [www.bendix.com](http://www.bendix.com) today.**

## Part Numbers for the Bendix® Trailer Remote

### Diagnostic Unit (TRDU) and Accessories:

- Bendix Trailer Remote Diagnostic Unit (TRDU) – 802162
- 7-pin adapter – 802165
- TRDU 7-pin kit (TRDU and adapter) – 5017434

## The Bendix TRDU Fast Facts

Color	Black/Gold lettering
Vehicle Use	Trailer
Communication	J2497(PLC)
Connector Interface	9-pin
Adapters	9-pin to Trailer 7-pin electrical connection

### Understanding the LED on top of the TRDU:

#### Indicators for the Bendix TRDU

- VLT – Power/Communication
- ECU – ABS Controller
- ODO – Odometer
- M1 – Modulator 1/Red
- M2 – Modulator 2/Yellow
- M3 – Modulator 3/Blue
- LFT – Left/BU1-SA2
- RHT – Right/BU2-S2B
- ADD – Additional Axle/YE2-S1B-S3B
- SEN – Wheel Speed Sensor/YE1-S1A-S3A



The 7-pin adapter allows the Bendix TRDU to communicate through the blue wire of the trailer electrical connector at the nose or rear of the trailer, to the Trailer ABS unit.