

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 RDU (TRDU).

Simple, Portable, Powerful

The Bendix® Trailer RDU is the industry's smallest and most cost-effective full function ABS diagnostic tool. The TRDU provides immediate system status, displaying ABS 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 1-1/2" in diameter by 1-5/8" 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® Trailer RDU (TRDU) supports the complete range of Bendix ABS components, including Bendix® TABS-6, A-18 (Gen 5), and MC-30 Electronic Control Units (ECUs).

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 TRDU is designed to be installed on any mobile lamp tester already in your shop at the end of a 7-way coiled electrical connector. That means that every time the trailer lamps are tested, you receive full 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. The TRDU may also communicate over the tractor and trailer power wires through the tractor's diagnostic connector.



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Obtain Odometer Mileage

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

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

152 (x1000) or 1 blink (pause), 5 blinks (pause), 2 blinks

How the Bendix Trailer RDU Works

The Bendix® Trailer RDU simply plugs directly into the trailer's 7-pin diagnostic connector or can be plugged into the tractor 9-pin diagnostic connector under the dash when the full tractor-trailer is connected. The green LED will flash four times to indicate communications have been established.

Troubleshooting

If the ABS system has no active trouble codes or faults, only the green VLT LED will remain lit to indicate that the system is receiving the proper voltage. If the ABS system has at least one active trouble code/fault, the red LEDs will light-up to indicate the malfunctioning ABS component and its location on the vehicle.

Once the Repair is Complete, It's Easy to Reset the ABS System Using The Bendix Trailer RDU.

Reset Functions Include:

Clearing Diagnostic Trouble Codes: To clear diagnostic trouble codes, simply hold a magnet over the center of the Trailer RDU for less than six (6) seconds.

Self Configuration Command: To initiate the Bendix ABS self configure command, hold a magnet over the center of the Trailer RDU for more than six (6) seconds, but less than 11 seconds.

Note: The TRDU is specifically designed for use with Bendix ABS.

The Bendix TRDU is not intended for operation and/or function with ABS supplied by other manufacturers.

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

Keep your vehicles on the road and out of the shop. The portable trailer remote diagnostic unit (TRDU) from Bendix offers quick, accurate diagnostics for your ABS system. Find out more. Talk to your Bendix Account Manager, call 1-800-AIR-BRAKE or visit www.bendix.com today.

Part numbers for the

Bendix Trailer RDU and accessories:

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

The Bendix® Trailer RDU Fast Facts

FEATURES	BENDIX TRAILER RDU
Color	Black
Vehicle Use	Trailer
Communication	J2497(PLC)
Connector Interface	9-pin
Adapters	9-pin to Trailer 7-way electrical connection

Understanding the LED Indicators for the Bendix Trailer RDU

VLT – Power/Communication

ECU – ABS Controller

ODO – Odometer

MOD1 – Modulator 1

MOD2 – Modulator 2

MOD3 – Modulator 3

LFT – Left

RHT – Right

ADD – Additional Axle

SEN – Wheel Speed Sensor



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