

# Technical Bulletin



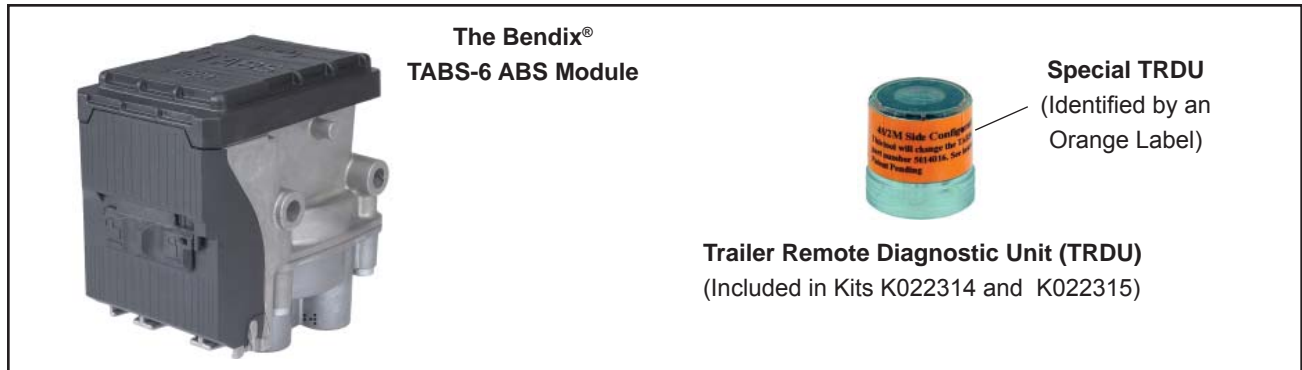
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Subject: **Bendix® TABS-6 Trailer ABS Premium (P/N 5014016) Re-configuration**



The purpose of this Bulletin is to alert technicians investigating an illuminated ABS lamp on trailers configured as 4S/2M - Side ABS, and equipped with TABS-6 Trailer ABS Premium Module (P/N 5014016 only), where the **Diagnostic Trouble Code (DTC)** indicates a **MOD3** error.

This Bulletin covers cases where the MOD3 error code indicates that the TABS-6 Premium Module has inadvertently re-configured up to 4S/3M, but is not able to communicate with an expected (but not present) additional modulator.

For the units in the field where this DTC has occurred, the technician can use either of the following two processes to re-configure the module back to 4S/2M-Side, and disable the auto-configuration to prevent any further MOD3 DTCs:

## 1. Use Bendix® ACom® Diagnostic Software

The ABS configuration can be restored to 4S/2M Side by using Bendix® ACom® Diagnostic Software. A no-charge download is available at [www.bendix.com](http://www.bendix.com), or you may order a CD (item number BW2329) from the Literature Center on [bendix.com](http://bendix.com). ACom® software communicates via your computer's serial, parallel or USB port through an RP-1210A compliant device that connects to the vehicle's diagnostic connector.

– OR –

## 2. Use a Special Bendix® Trailer Remote Diagnostic Unit (TRDU).

Connect the special TRDU unit with a 7-way adaptor (part number 802165) at the nose of the trailer through the SAE J560 connector, or use an adapter harness to connect to the diagnostic connector on the ABS pigtail harness. In either arrangement, the special TRDU unit will restore the TABS-6 configuration to 4S/2M-Side and disable auto-configurations. This re-configuration of the TABS-6 Premium ECU is performed across the PLC (Power Line Carrier) of the trailer.

Two kit options are available:

1. K022314 - special TRDU unit & instruction sheet
2. K022315 - special TRDU unit, adapter harness & instruction sheet.

**NOTICE:** Particular care should be taken to ensure that the **TRDU remains connected until the LED sequence indicating a successful configuration is seen**. Refer to the instruction sheet (S-1492) that comes with the TRDU. Failure to do so can result in an ECU 6 (Configuration) DTC. Should this occur, reconnect the special TRDU and repeat the above instructions to complete the configuration.

(continued)

**Background**

The Bendix® TABS-6 module is an integrated trailer ABS controller and modulator for air-braked heavy-duty trailers, semi-trailers and dollies. The module acts as a relay valve during normal braking, but during ABS events, it will intervene to help improve lateral stability during braking. All modules include an Electronic Control Unit (ECU) and Modulator Relay Valve which are integrated into a single self-contained 2S/1M (two sensor, one modulator) trailer ABS unit.

If the TABS-6 Premium detects additional sensors and modulators during a power-up, the TABS-6 will perform an upward auto-configuration. The auto-configuration allows the module to control additional sensors and modulators. The TABS-6 Premium P/N 5014016 allows the auto-configuration as shown in the Chart below.

Original System		Additional Components		Auto-Configuration
Sensor Modulator	Modulator	Sensors	Modulator(s)	
2	1	-	-	→ 2S/1M (Dolly-Axle)
2	1	-	1	→ 2S/2M (Side)
2	1	2	1	→ 4S/2M (Side)
2	1	2	2	→ 4S/3M (Side/Axle)

**Reference:**

Service Data Sheet:

Bendix® TABS-6 Trailer ABS Module ..... SD-13-4767 (BW2469)

Software:

Bendix® ACom® Diagnostic Software..... BW2329

(Go to [www.bendix.com](http://www.bendix.com), to download, or order a CD from the Literature Center.)

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