Installation Instructions

Bendix® TABS-6™
Trailer ABS
Reconfiguration Kit

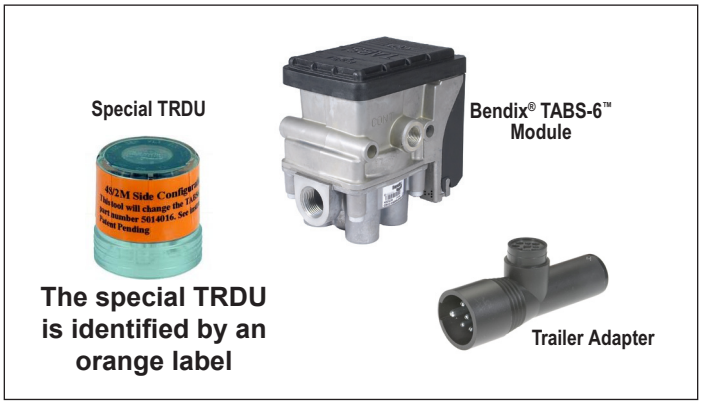

FIGURE 1 **- BENDIX® TABS-6™ TRAILER ABS UNIT, SPECIAL TRDU, AND ADAPTER**

The kits which use this instruction sheet have a special Trailer Remote Diagnostic Unit (TRDU - Part number K069555) to disable J2497 broadcast options on Standard and Premium Bendix® TABS-6™ Module ECU.

Attention: The special TRDU unit Part Number K069555 is specifically designed ONLY for use with the Bendix TABS-6 ABS System. Do not attempt to use this special TRDU with other brands of ABS systems.

Follow the process below to disable J2497 broadcast options on Standard and Premium Bendix TABS-6 Module ECUs.

PREPARATION*:*

Follow all standard industry safety precautions, including, but not limited to, those listed on page 2 of this sheet.

1. Apply constant power to the trailer and verify that the ABS ECU goes through its power-up sequence. (For additional information, see the literature references on page 2.)
2. Connect the special TRDU (part number K069555) to the 9-pin diagnostic connector.
3. Watch the LED sequence as described in *Configuration Process* below to verify a successful re-configuration. The re-configuration operation should take less than 10 seconds. Additionally, the Bendix TABS-6 ABS ECU will perform the normal power-up sequence of modulator activation.
4. Disconnect the Special TRDU from the diagnostic connector when configuration is completed.
5. Remove the power supply.

CONFIGURATION PROCESS

When the special TRDU (part number K069555) is plugged into the diagnostic connector and receives power:

1. All the LEDs will illuminate for one half second.
2. The green LED VLT will flash 4 times to indicate communications have been established with the Bendix TABS-6 ECU. (The green LED will continue to be illuminated while the special TRDU is performing the configuration change.)

If the configuration change was successful the special TRDU will flash 2 half moon patterns, first downward then upward on the LEDs. It will repeat this pattern until the TRDU is removed from the diagnostic connector. The configuration operation will take less than 10 seconds.

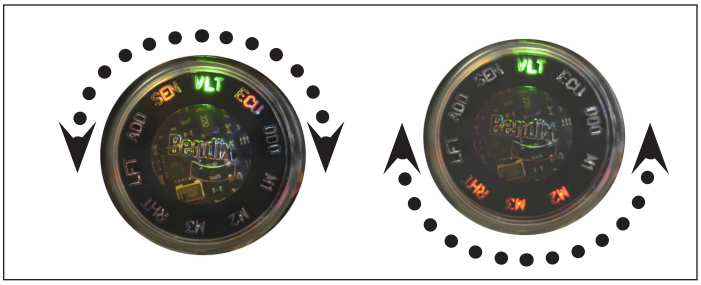

FIGURE 2 **- SUCCESSFUL CONFIGURATION**

If the configuration was unsuccessful, the special TRDU will leave all LED's illuminated until the TRDU is removed from the diagnostic connector.

FIGURE 3 **- UNSUCCESSFUL CONFIGURATION**

If the configuration was unsuccessful, check to verify that:

The ABS ECU is the correct part number (a Bendix TABS-6 Standard or Premium). If the green VLT LED flashes 4 times and then all the LEDs illuminate, the part number of the Bendix TABS-6 ECU is incompatible with the function of this tool.

The tool will also indicate if it can not establish communications with the TABS-6 ECU by leaving the green VLT LED illuminated solidly upon power up, then illuminate all the LEDs similar to an unsuccessful configuration (in a clock-wise pattern) until the TRDU is removed from the diagnostic connector.

SAFE MAINTENANCE PRACTICES

WARNING! PLEASE READ AND FOLLOW THESE INSTRUCTIONS TO AVOID PERSONAL INJURY OR DEATH:

When working on or around a vehicle, the following general precautions should be observed at all times:

1. Park the vehicle on a level surface, apply the parking brakes, and always block the wheels. Always wear safety glasses.
2. Stop the engine and remove ignition key when working under or around the vehicle. When working in the engine compartment, the engine should be shut off and the ignition key should be removed. Where circumstances require that the engine be in operation, EXTREME CAUTION should be used to prevent personal injury resulting from contact with moving, rotating, leaking, heated or electrically charged components.
3. Do not attempt to install, remove, disassemble or assemble a component until you have read and thoroughly understand the recommended procedures. Use only the proper tools and observe all precautions pertaining to use of those tools.
4. If the work is being performed on the vehicle's air brake system, or any auxiliary pressurized air systems, make certain to drain the air pressure from all reservoirs before beginning ANY work on the vehicle. If the vehicle is equipped with a Bendix® AD-IS® air dryer system or a dryer reservoir module, be sure to drain the purge reservoir.
5. Following the vehicle manufacturer's recommended procedures, deactivate the electrical system in a manner that safely removes all electrical power from the vehicle.
6. Never exceed manufacturer's recommended pressures.
7. Never connect or disconnect a hose or line containing pressure; it may whip. Never remove a component or plug unless you are certain all system pressure has been depleted.
8. Use only genuine Bendix® brand replacement parts, components and kits. Replacement hardware, tubing, hose, fittings, etc. must be of equivalent size, type and strength as original equipment and be designed specifically for such applications and systems.
9. Components with stripped threads or damaged parts should be replaced rather than repaired. Do not attempt repairs requiring machining or welding unless specifically stated and approved by the vehicle and component manufacturer.
10. Prior to returning the vehicle to service, make certain all components and systems are restored to their proper operating condition.
11. For vehicles with Antilock Traction Control (ATC), the ATC function must be disabled (ATC indicator lamp should be ON) prior to performing any vehicle maintenance where one or more wheels on a drive axle are lifted off the ground and moving.

Other Potential LED Indications

If the ABS ECU is not a Bendix® TABS-6™ Standard or Premium unit, the special TRDU will flash the green VLT LED four times to indicate communication with an ECU, but then illuminate the red ECU LED. The configuration process will halt.

Troubleshooting Communication Issues

For communications issues, the technician will need to troubleshoot to determine the issue.

Some areas to consider are:

(a) Check for PLC communication problems at the 9 pin connector,

(b) Check the ECU or 9 pin diagnostic connector to see if they are powering up,

(c) Check if the PLC communication is overloaded, and/or,

(d) The special TRDU may have a malfunction.

If the communications problem can be corrected, the configuration operation can be retried as many times as necessary.

If communication issues continue, or the configuration is unsuccessful after several attempts, contact Bendix at **1-800-AIR-BRAKE** (1-800-247-2725), Monday through Friday, 8:00 A.M. to 6:00 P.M. EST. Please have the Bendix product model number, part number and configuration, vehicle make and model, vehicle configuration (number of axles, tire size, etc.) information ready when you call.

Reference Literature

Visit the Document Library at www.bendix.com for downloads of the Bendix TABS-6 (Standard and Premium) Service Data sheet (SD-13-4767), or order copies from the Literature Center at the web site.