



Installation Instructions

Bendix® Trailer Information Module (TIM™)

The Bendix® Trailer Information Module (TIM™ G2) generation two, is a device that enables access to trailer Electronic Control Unit (ECU) information as well as other Bendix trailer systems, such as the SmarTire® Tire Pressure Monitoring System (TPMS) by Bendix CVS, without having to use PC diagnostics. The module may be trailer-mounted or used as a hand-held diagnostic tool.

Typically — when installed onto a trailer — the Bendix TIM module is installed either near the rear axle, about half-way along the trailer, or at the front driver-side corner of the trailer. See *Figure 2*.

Mounting the Module

Follow all standard industry safe maintenance practices, including those on page two of this document.

The unit must be mounted to a vertical surface — in a location with sufficient access to the screen and the navigation buttons.

Plan out the full installation, including routing of all harnesses (See *Figure 4*), before mounting the module. Mark or measure the mounting holes 5.12 in. (130mm) apart. The recommended mounting fasteners are ¼-20 (M6) bolts No. 7 (6.5mm) drill size, with a plain washer and self-locking nuts, tightened to 110-130 in-lbs (12-15 N•m).

Be sure to securely fasten the harnesses — every two feet where the extended harnesses are used — bundling any extra harness as shown in *Figure 3*.

Module Features

The Bendix TIM has a graphical display operated by means of three buttons (See *Figure 1*). In addition to diagnostic and checking functions, TIM G2 offers access to a wide range of information and the following key features:

- Real Time Clock;
- User interface that can be customized (initial menu);
- Diagnostic Trouble Code (DTC) display;
- Axle load;
- Odometer;
- Up to three languages available from the menu; and
- Internal battery back-up

Technical Information

The module's operating temperature range is -40°F (-40°C) to 176°F (80°C), however the liquid crystal display switches off below -4°F (-20°C) and above 158°F (70°C). The LCD will temporarily shut off outside this range.

- Weight: Approx. 0.9lbs (0.4 kg)
- Voltage range: 9 to 32 VDC
- Dimensions: Width 6.03 in. (153mm)
Height 5.39 in. (137mm)

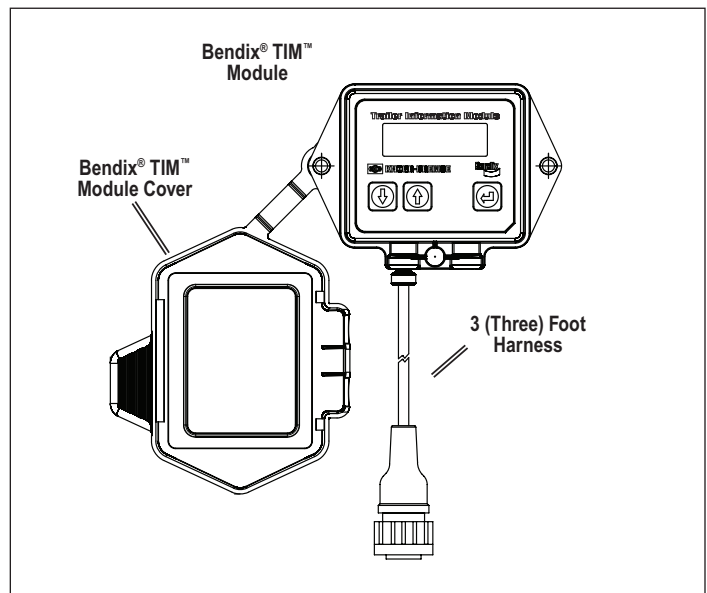


FIGURE 1 - BENDIX® TIM™ MODULE

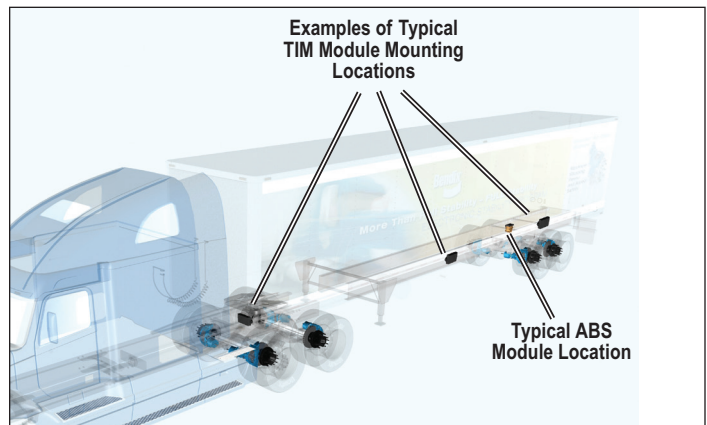


FIGURE 2 - TYPICAL MODULE MOUNTING LOCATIONS

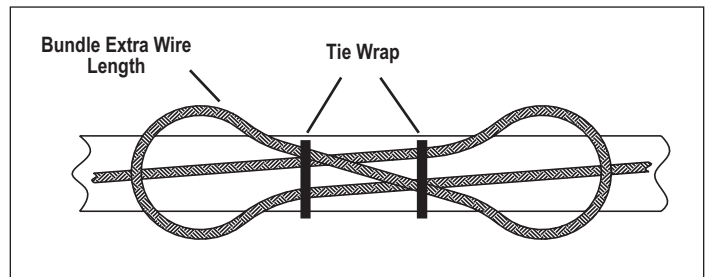


FIGURE 3 - BUNDLING EXTRA WIRE LENGTH

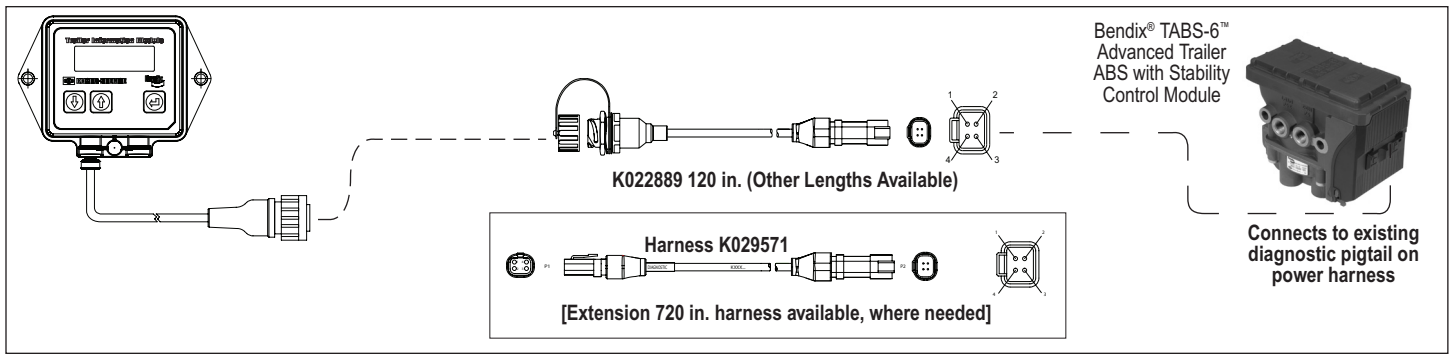


FIGURE 4 - EXAMPLES OF WIRE HARNESS USED WITH BENDIX® TABS-6™ ADVANCED TRAILER ABS

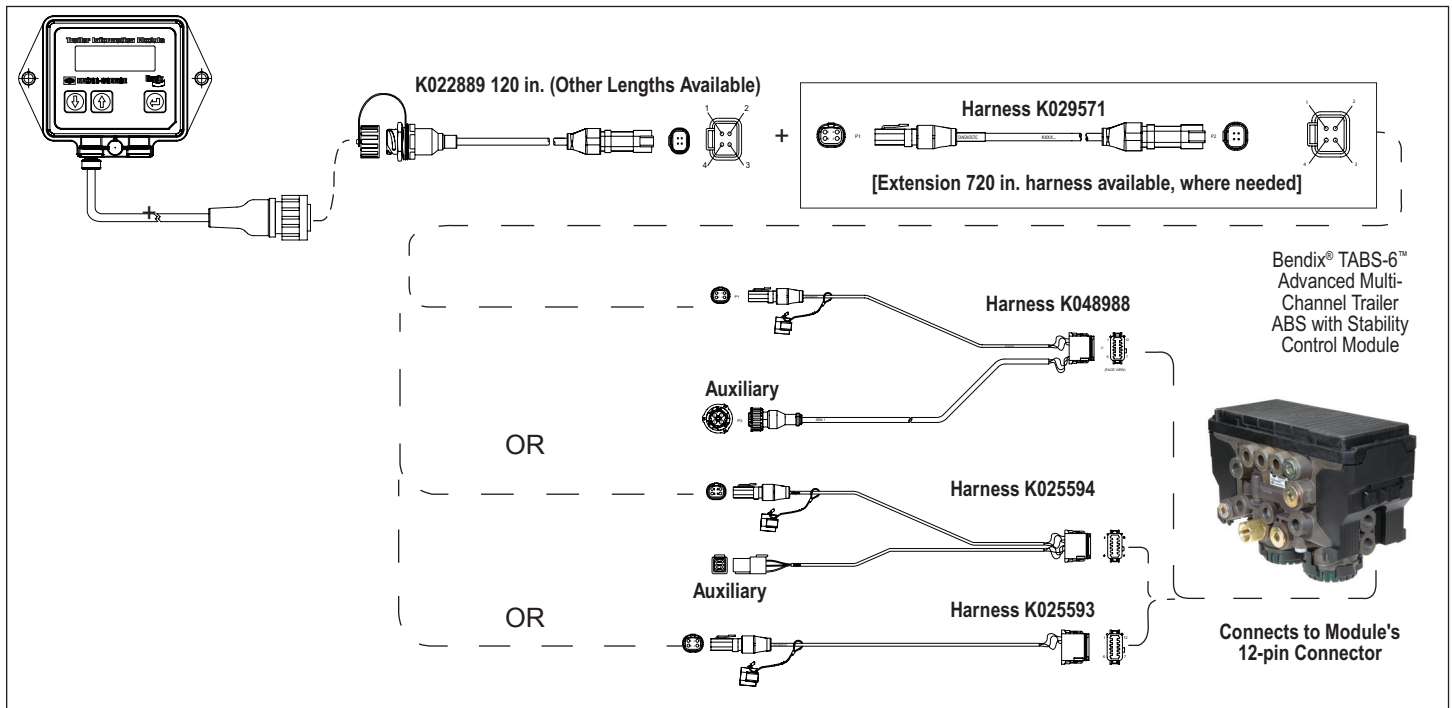


FIGURE 5 - EXAMPLES OF WIRE HARNESS USED WITH BENDIX TABS-6 ADVANCED MC TRAILER ABS

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. Where specifically directed, the parking brakes may have to be released, and/or spring brakes caged, and this will require that the vehicle be prevented from moving by other means for the duration of these tests/procedures.
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 Automatic 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.

CONTACTING BENDIX

Bendix.com

The Bendix online troubleshooting guide for the Bendix® TABS-6™ module will help you determine the cause of any conditions that may prevent 100% performance of your braking system. For additional troubleshooting information on the Bendix TABS-6 system, please refer to the Document Library at www.bendix.com or order copies from our online Literature Center.

Bendix® TABS-6™ Advanced SD-13-47671 (BW2718)

Bendix® TABS-6™ Advanced MC SD-13-47672 (BW2726)

The Bendix online Contacts Guide will make it easy for you to find the Bendix sales or service representative you need.

Bendix Technical Assistance Team

For direct personal technical support, call the Bendix Technical Team at **1-800-AIR-BRAKE** (1-800-247-2725), Monday - Friday, 8:00 a.m. to 6:00 p.m. ET, and follow the prompts in the recorded message.

To better serve you, please compile the following information before calling the Bendix Tech Team:

- Bendix product model number, part number and configuration.
- Vehicle make and model.
- Vehicle configuration. (Number of axles, tire size, etc.)
- System performance symptoms. When do they occur?
- What DTCs have been identified using blink codes or diagnostic tools?
- What troubleshooting / measurements have been performed?
- What Bendix service data literature do you have or need?
- Do you have access to the internet or email?

Using the Navigation Buttons



Press to move the cursor down one level.
Hold down to jump to the final level. (Exit)



Press to move the cursor up one level.
Hold down to jump up to the top of the list.

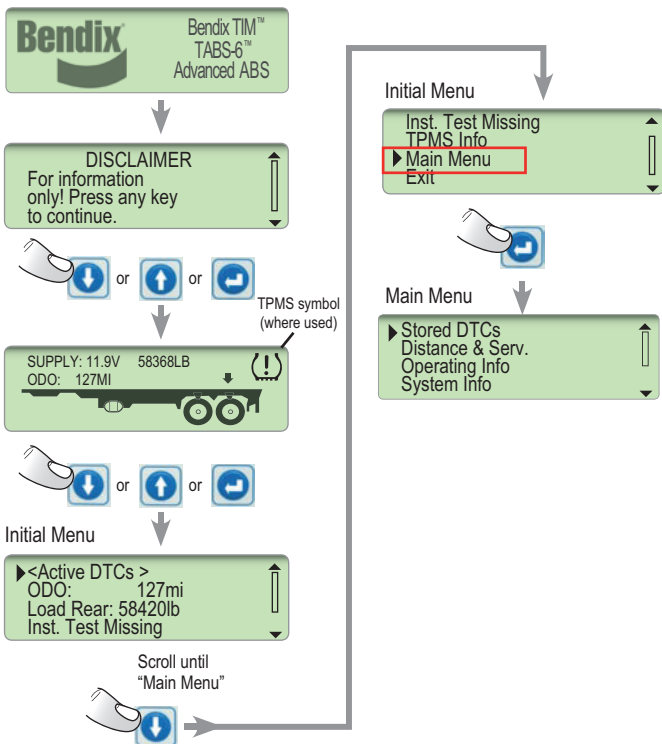


Select the chosen menu item.

USING THE MODULE'S DISPLAYS

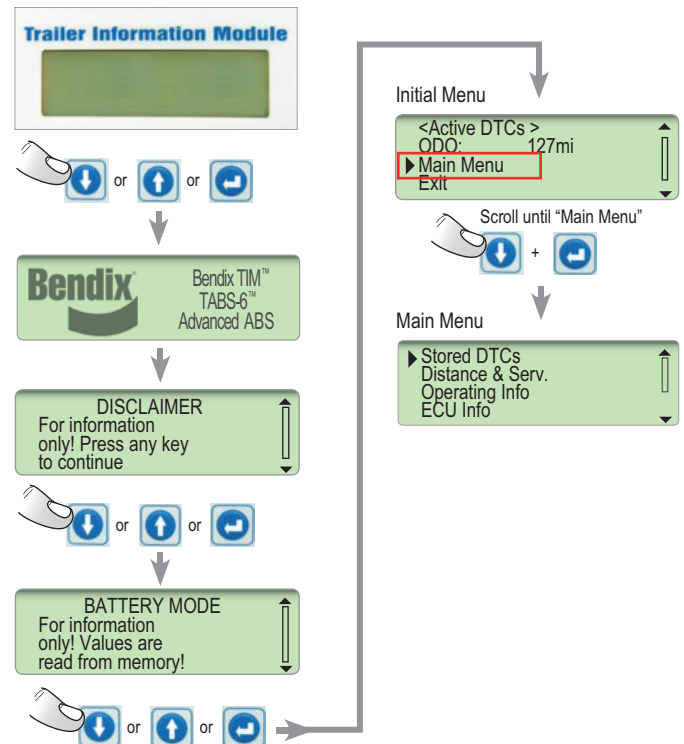
With the ignition "ON"

The display is automatically activated. All menus are available.



With the ignition "OFF"

The display is off, push any navigation button for one second to activate the display. Only limited menus are available.



MENU OVERVIEW

