

Installation Instructions



Shorting Cap for Aftermarket Bendix® TABS-8™ Advanced Single-Channel Trailer Antilock Braking System (ABS) Module

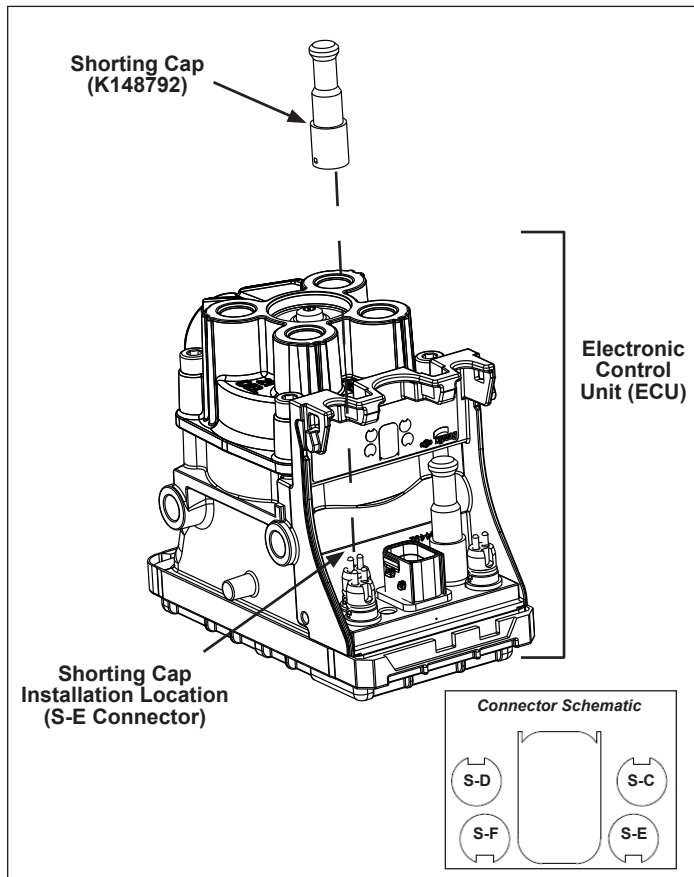


Figure 1 - Bendix® TABS-8™ Advanced Module ECU and Shorting Cap

GENERAL

The initial release of the Bendix® TABS-8™ Advanced Single-Channel Module did not include a Low Pressure Warning Emergency (LPWE) configured by default. This aftermarket service kit is configured (by default) with LPWE. If replacing an older revision of the TABS-8 Advanced Single-Channel Module with the new aftermarket service kit, it will be necessary to add a shorting cap (Bendix Part Number K148792) to the S-E connector input.

GENERAL SAFETY GUIDELINES

WARNING! PLEASE READ AND FOLLOW THESE INSTRUCTIONS

TO AVOID PERSONAL INJURY OR DEATH:

When working on or around a vehicle, the following guidelines should be observed **AT ALL TIMES**:

- ▲ Park the vehicle on a level surface, apply the parking brakes, and always block the wheels. Always wear personal protection equipment.
- ▲ Stop the engine and remove the 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.
- ▲ 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.
- ▲ 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, a Bendix® DRM™ dryer reservoir module, a Bendix® AD-9si®, AD-HF®, or AD-HFi™ air dryer, be sure to drain the purge reservoir.
- ▲ Following the vehicle manufacturer's recommended procedures, deactivate the electrical system in a manner that safely removes all electrical power from the vehicle.
- ▲ Never exceed manufacturer's recommended pressures.
- ▲ Never connect or disconnect a hose or line containing pressure; it may whip and/or cause hazardous airborne dust and dirt particles. Wear eye protection. Slowly open connections with care, and verify that no pressure is present. Never remove a component or plug unless you are certain all system pressure has been depleted.
- ▲ Use only genuine Bendix® brand replacement parts, components, and kits. Replacement hardware, tubing, hose, fittings, wiring, etc. must be of equivalent size, type, and strength as original equipment and be designed specifically for such applications and systems.
- ▲ 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.
- ▲ Prior to returning the vehicle to service, make certain all components and systems are restored to their proper operating condition.
- ▲ 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.
- ▲ The power **MUST** be temporarily disconnected from the radar sensor whenever any tests **USING A DYNAMOMETER** are conducted on a vehicle equipped with a Bendix® Wingman® system.
- ▲ You should consult the vehicle manufacturer's operating and service manuals, and any related literature, in conjunction with the guidelines above.

SHORTING CAP INSTALLATION

The aftermarket service kit includes one (1) Electronic Control Unit (ECU), and one (1) shorting cap pre-installed on the S-F connector, a pre-configured pad wear sensing input. There will also be a loose shorting cap that needs to be installed on the S-E connector if the trailer is not equipped with the Low Pressure Warning Emergency (LPWE) feature.

See Figure 1.

1. Remove the electrical cover to access the electrical connectors.
2. Install the shorting cap onto the S-E connector by aligning the key inside the shorting cap connector. Use the key-way on the S-E connector on the electrical header of the ECU.



Ensure the shorting cap is fully seated. If the shorting cap is not fully seated, the electrical cover will not be able to be installed properly.



Refer to Table 1. If replacing the following Original Equipment Manufacturer (OEM) parts, a shorting cap must be added to the S-E connector. Failure to add a shorting cap to the S-E connector will result in an active LPWE Diagnostic Trouble Code (DTC) that will illuminate the Antilock Braking System (ABS) light. Additionally, if the shorting cap is not installed, the pins on the S-E connector will be exposed to the environment and will develop corrosion over time. S-E connectors with exposed pins are not covered by the standard Bendix warranty.

OEM Part Number	Aftermarket Part Number
K184644	K192951
K201522	K201525
K201523	K201526
K201639	K201640
K201643	K201644
K201956	K202072
K202105	K202106
K212749	K212750

Table 1 - OEM and Aftermarket Part Numbers

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