

Technical Bulletin

Bulletin No: TCH-013-007

Effective Date: 10/23/03

Cancels: NA

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Subject: **Bendix® EC-30T™ ECU Product Recall Campaign**

The EC-30T electronic controller is a part of a voluntary recall campaign, recall number: 03E-043. The EC-30T is the electronic controller of the Bendix MC-30 Trailer ABS Controller Assembly.

What You Need To Do

All vehicle manufacturers, dealers and distributors should stop selling any EC-30T or MC-30 that does not include an MC-30 Fuse Adapter Assembly. Please make your customers aware of the recall campaign. All new EC-30Ts and MC-30s will be shipped with an MC-30 Fuse Adapter Assembly.

The Problem

Bendix has determined that if the trailer-mounted ABS warning lamp circuit experiences an electrical short for reasons unrelated to the EC-30T, and the short is not repaired, the high side power switch inside the ECU may eventually become thermally stressed and experience an electrical short. The high side power switch controls the illumination of the trailer-mounted ABS warning lamp.

If the power switch shorts, it can result in an over-current condition in the ECU and lead to excessive heat, smoke and in rare cases, even fire in the ECU, the connector or the pigtail wiring harness. The fire that could result from this situation involves an unreasonable risk to motor vehicle safety. The service, parking and emergency braking of the trailer and tractor are not affected by this condition.

The Cause

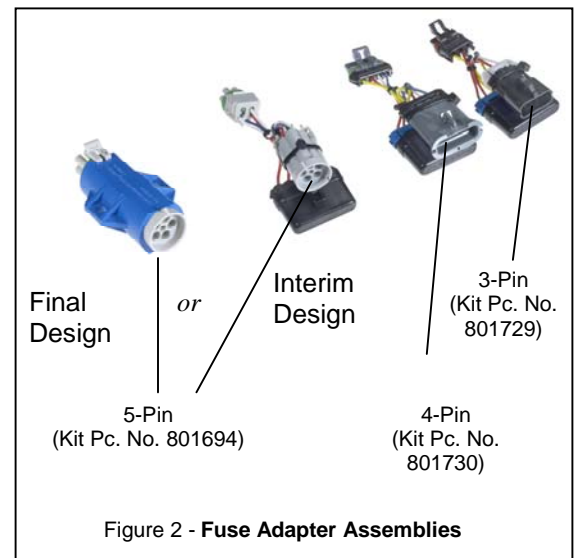
The electrical short must occur in the wiring between the ECU and the warning lamp. Failure cannot be caused by any wiring defect on the ground side of the warning lamp.

How to Identify the EC-30T

The EC-30T can be identified by the black plastic enclosure imprinted with the Bendix® logo, and containing a single 30-pin connector and an LED diagnostic display.

EC-30T or MC-30s in Inventory

If your current inventory contains MC-30 or EC-30T, an MC-30 Fuse Adapter is required for installation. Fuse adapter kits are available in 3, 4 and 5-pin configurations. To identify the correct piece number needed check the connector of the pigtail harness that connects to the chassis harness. See figure 2 for kit piece numbers. To order the MC-30 Fuse Adapter Kit, please call the Recall Assistance Center at 1-800-478-1793 between 8:00am to 5:00pm E.S.T.



Bendix will send owners/operators with an MC-30 Trailer ABS unit a modification kit at no charge. The kit contains a labor reimbursement form that must be completed and returned for reimbursement. Bendix will provide a reimbursement of \$20 (\$26.07 Canada) to cover labor necessary to install the kit. If during the installation of this kit it is determined that the pigtail harness or the ECU are damaged the damaged component(s) can be submitted for standard warranty processing.

If you are a lessor of vehicles equipped with the MC-30 Trailer ABS Controller Federal law requires that any vehicle lessor receiving the recall notice must forward a copy of the notice to the lessee within ten days.

How to Contact Us

Please telephone our Recall Assistance Center with any questions you may have about this voluntary safety recall campaign. The toll-free telephone number is at 1-800-478-1793. Bendix representatives are available to assist you Monday – Friday, 8:00 a.m. – 5:00 p.m. EST, for your convenience. You may also email the recall center any time at EC30Tcampaign@bendix.com.

After completing the repair, send the Reimbursement Request Form (provided with the kit) to Bendix, along with the original repair receipt and/or other adequate proof of your payment for the repair for the labor allowance. Fax or return the materials to Bendix:

Fax: 440-329-9780

Address:
Bendix Commercial Vehicle Systems LLC
Attention: EC-30T Recall Center
901 Cleveland Street
Elyria, OH 44035