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Technical Service Bulletin

SUBJECT: New Telma foot switch

Products Affected: All vehicles with hydraulic brake systems

Effective Date: October 2014

Telma is committed to a philosophy of continuous improvement as a way of enhancing the end-user's experience with our product.

JC120102

Foot Switch JC120102 has gone out of production and is no longer available. This was a 4 position switch where outputs 1-4 turned on as the plunger came out as the brake pedal was applied.

TIG31066

A new switch, TIG31066 is now used for hydraulic brake Telma applications. It is a rotary switch which has a variable voltage output signal. The voltage increases as the brake pedal is applied. This signal is sent to the TRCM transducer input. The settings can be configured using the Telma Desktop Client Software so that the 4 stages turn on at the optimum amount of brake pedal effort to get the full benefit of Telma braking before the service brakes and therefore to get the best service brake life improvement.

New Foot Switch Brackets

New bracket designs were developed to use with the new rotary switch. Field replacement of JC120102 will require changing also to the new foot switch brackets.

Older Ford E Series or Ford F Series or Chevrolet G4500 vehicles built before March 2011

If your vehicle is equipped with the Telma speed switch or interface, the Telma system will need to be upgraded to the TRCM and new cab harness if JC120102 needs to be replaced.

TIK10685 has been created for upgrade to TIG31066 if JC120102 needs to be replaced on Ford E Series or Ford F Series.

TIK10315 has been created for upgrade to TIG31066 if JC120102 needs to be replaced on Chevrolet G4500.

These kits include:

1) TIG31066 and all brackets and fasteners to convert from JC120102 to TIG31066.
2) A rotary switch harness with one gray wire that plugs into the TRCM black connector position 10, one red/wht wire that connects to ign+, and one black wire that connects to ground.

Go to the latest Installation Procedure for your vehicle type to:

a. Install the new brackets and switch correctly
b. Use the Telma Desktop Client Software to change transducer set points for use with the new rotary switch. If you have never taken advantage of using the Telma Desktop Client Software for configuration and diagnosis of the Telma system, you will need to download this free software from our website. If you do not have a 9 pin serial port on your computer you will need to order a usb-to-serial port adapter TIG01027.

If you have an older Ford or Chevy vehicle that does not have TRCM, you will need to order TRCM, part number **TIG31062**, and cab harness **TID31001** in addition to the kits above.

NAVISTAR

TIK11209 has been created for Navistar vehicles to upgrade to TIG31066 if JC120102 needs to be replaced. This kit includes TIG31066 and all brackets and fasteners to convert from JC120102 to TIG31066 as well as TIG31062 and TID11044 since Navistar vehicles were never equipped with TRCM.

If you have a vehicle other than Ford E Series, Ford F Series, Chevrolet G4500, or Navistar equipped with foot switch JC120102 and need to replace it contact Telma customer support at 800 797-7714 or send an email to engineering@telmacse.com.

The latest wiring diagrams and information for the TRCM are available on the Telma Technical Website, www.telmausa.com.

If you have any questions, contact Telma customer support at 800 797-7714, go to the Telma Web site at www.telmausa.com, or send an email to engineering@telmacse.com with your questions 24 hours a day / 7 days a week.