

SIL 3-TR-13
January, 2013
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SUBJECT: Allison TCM Reflash™ V3.0

MODELS AFFECTED: All 1000, 2000, 3000, 4000 Product Families, 5000 and 6000 Series Transmissions,
H 40/50 EP™

SERIAL NUMBERS AFFECTED: All

Introduction:

Effective December 2012, Allison Transmission, Inc. released Allison TCM Reflash™ V3.0. The intent of this Service Information Letter (SIL) is to inform the Allison Service Channel of the new version and provide an overview of new features and improvements. Allison TCM Reflash™ users must update to V3.0 in order to load calibration packages into 5th Generation Controls System Transmission Control Modules (TCMs). See the Allison TCM Reflash™ V3.0 User's Guide (GN4137EN) for information on how to use the new service tool software.

Installation of Allison TCM Reflash™ V3.0:

The Allison TCM Reflash™ V3.0 program is downloaded from the Allison Transmission Extranet. The download file and the minimum PC platform requirements can be found under the EXTRANET APPLICATIONS menu option on the upper left side of the Extranet home page. Go to EXTRANET APPLICATIONS >> SERVICE >> Allison TCM Reflash™. On the right side of the page is the Table of Contents. Click on the 'Downloads' link to access the file, or other links to view PC requirements, translator devices, forms & guides, etc.

Install Allison TCM Reflash™ V3.0 as follows:

1. Click on the download link for the Allison TCM Reflash™ self-extracting file. Select "Save" to store the file on user's local machine.
2. Double click to launch the executable and follow the on screen instructions provided by the installer program.

Allison TCM Reflash™ V3.0 replaces Allison TCM Reflash™ V2.5 and earlier versions of the program. The installer program attempts to remove previously installed Allison TCM Reflash™ versions during the installation process. Some user interactions may be required during this uninstall; typically this only requires selecting the default/highlighted button. Some components, such as the Microsoft® SQL 2008 database, are no longer used by Allison TCM Reflash™ but will remain on the user's machine when installation is completed because these programs may be used by other software applications.

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Please Note: Allison Transmission Service Information Letters are intended for use by professional, trained technicians, not for the "do-it-yourselfer." They are written to inform those technicians of conditions that may occur on some transmission models (or serial number ranges) or to provide information that could assist in the proper servicing of a specific Allison transmission. Properly trained technicians have the equipment, tools, safety instructions, and know-how to do a job properly and safely. If a condition is described, do not assume that the Service Information Letter applies to your transmission, or that your transmission has the condition described. Product evolution and information updates are inevitable. Please see your authorized Allison Transmission service leader or distributor to understand if your particular transmission may benefit from the information contained within the Service Information Letter.

Translators tested with V3.0:

Translator modules listed below were tested with the following driver levels:

- DG Technologies DPA4 Plus – 2.20
- Noregon Wireless/USB Translator – 3.0.32.0
- Nexiq USB Link – 8.5.0



NOTE: Though the Softing CANCard 2 PCMCIA device can load 5th Generation Controls software and calibrations, it does not function with the Allison Vendor Component Program (VCP) for 5th Generation Controls TCMs. Therefore, Allison TCM Reflash™ users should not attempt to use the Softing CANCard 2 to load 5th Generation calibration packages and/or create fully programmed 5th Generation TCMs.

New Features and Improvements:

1. Adds capability to load 5th Generation Controls system calibration packages.
 - a. Enables Unified Diagnostic Services (UDS) transport protocol to permit the service tool to communicate with 5th Generation TCMs.
 - b. Incorporates the Allison Vendor Component Program (VCP) necessary for producing fully programmed 5th Generation TCMs.
2. Updates graphic user interface.
 - a. Adds 5th Generation database selection button.
 - b. Adds 5th Generation “Add Calibration to Download Information” screen.
3. Updates Dyno calibrations list for 5th Generation Controls.
4. Adds latest Read/Write program version 13.2.5.0.