

Revisions to this document are noted by a stripe in the left-hand margin

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**SUBJECT:** Allison Transmission Electronic Service Tools — Position Report

**MODELS AFFECTED:** All Electronically Controlled Commercial Allison Transmissions

**SERIAL NUMBERS AFFECTED:** All

### Introduction:

The purpose of this document is to inform Allison Transmission service outlets that Allison DOC® for PC is the only factory-approved Reprogramming tool for Allison transmissions.



**NOTE:** Reprogramming is the act of changing Customer Modifiable Constants (CMCs) and/or disabling/enabling TCM/ECU Input and Output features contained in an Allison calibration.

Today, there is a growing number of diagnostic tools and systems available in the market for service outlets. While some of these tools claim to be generic enough to read data from any control module, special care must be taken when selecting the right tool for diagnosis and reprogramming. These tools may display inaccurate or incomplete data. The use of these tools for reprogramming purposes may have adverse consequences up to, and including, controller failure. Allison DOC® for PC is the only essential service tool for Allison Dealers and Distributors.

### Diagnostic Tool Overview:

Diagnostic tools can be classified in two major groups: Generic (basic) and Enhanced diagnostic tools. The Generic tools are those with basic diagnostic capabilities, which may include Diagnostic Trouble Codes (DTCs) reading and sometimes clearing, as well as visibility to a limited sub-set of data parameters. Generic tools are generally not capable of controlling or modifying parameters for an electronic controller. Conversely, Enhanced diagnostic tools are normally component-specific service tools which can read and write to a specific controller. In addition to basic data acquisition, these Enhanced tools frequently bundle troubleshooting methodology and provide multiple data display options. In many cases, these Enhanced diagnostic tools also support device control (e.g. Clutch Test Enable, Solenoid Test, Reset Adaptive Information, etc.), to support advanced diagnostic routines.

### Allison DOC® for PC

Allison DOC® for PC, an Enhanced diagnostic tool, is the only essential rated tool for Allison Dealers and Distributors. Allison DOC® diagnostic tools are maintained with new features and enhancements in concurrence with the latest TCM/ ECU software enhancements. As a reminder, Allison DOC® for PC can be used to read diagnostic information from Allison-equipped GM Light Duty products (GM Pickup Trucks).



**NOTE:** Please refer to the Allison Transmission web site for additional details.