

Module Configuration - System Operation and Component Description

System Operation

Module Programming Menu

Module Programming is listed under the Toolbox tab after starting an IDS session with a vehicle. The module programming menu is disabled when a manual vehicle session is created.

The Module Programming menu has 4 selections:

- Programmable Module Installation (PMI)
- Module Reprogramming
- Programmable Parameters
- As-Built

These selections may not be present for all vehicles.

Programmable Module Installation (PMI)

Programmable Module Installation (PMI) is a scan tool process which configures settings in a new module. Data used for the Programmable Module Installation (PMI) process is automatically downloaded from the original module and stored when a scan tool session is started. If this data cannot be retrieved from the module being replaced, the scan tool may prompt for As-Built data entry or display a list of parameter values that need to be manually selected. Some modules are reprogrammed during Programmable Module Installation (PMI) when a strategy/calibration update is available.

It is important that the scan tool identifies the vehicle and obtains configuration data prior to removing any modules. The new module must be able to communicate with the scan tool in order to carry out Programmable Module Installation (PMI).

Module Programming

Module reprogramming (also referred to as "flashing") is a scan tool process which updates the strategy/calibration in a module. During module programming, the IDS will read the current software levels within the module and compare this information with the IDS database. If there is an update, it will be displayed on the IDS screen.