Programming Existing Modules other than ECM

When a new module is fitted to the vehicle it will have either no configuration data stored in memory or it will have default data stored. Either of these scenarios could result in functionality issues or error messages in the Instrument Cluster until the module has been properly programmed and configured. The extent of these issues will depend on which module has been fitted.

For modules other than ECM, once a module has been fitted and the relevant module selected from the list of new modules in the WDS configuration tool, the WDS will carry out a VIN verification check between the VIN entered manually into the WDS at the start of the session and the VIN stored within the VID Block of the ECM. If a mismatch is detected the application will then move onto the next module to verify the VIN until a match has been found. If no match is found a "VIN Mismatch" message will be displayed to the operator, showing the modules and the VINs read from each module.

"Programming Existing Modules" basically consists of flash programming the latest available calibration. The required time and procedure necessary to flash program each module differs between modules, vehicles, and model years.

Programming an existing module does not affect a module's configuration, as this is located in a protected area of memory (except X200 PTEC). Also, while programming an existing module, neither the PATS ID will be erased nor will immobilization need to be run. If a module fails to be successfully flash programmed it is possible to retry a number of times.

If failures do occur it is generally down to either the vehicle battery voltage being low, faulty WDS communication leads or poor connections at the vehicles J1962 diagnostic (DLC) connector. Finally, the module may need to be replaced if it cannot be succesfully flashed.

NOTE:

It is vital that when programming an existing module the vehicle configuration screen displays the correct configuration for the vehicle VIN that has been entered at the start of the session. I.e. engine size, engine type, market, cruise control type, transmission etc.