Module Programming

Check

NOTE: *Perform the following pre-checks to make sure module programming completes without errors.*

1. Start the programming session in <u>KOEO</u>.

2. Make sure the vehicle battery is fully charged or is connected to a battery charger.

3. **NOTE:** *A good internet connection is necessary.*

   Inspect the <u>VCM</u> and cables for damage. Make sure cables remain connected throughout the programming procedure.

4. Turn off all unnecessary accessories, such as radio, <u>A/C</u>, climate controlled seats, headlamps, interior and demand lamps.

5. Disconnect any aftermarket accessories, such as remote start, security alarm and power inverter.

6. For Plug-in hybrid and electric vehicles, disconnect the external charge cord from the charge port.

7. Disable Microsoft Windows sleep mode, screensaver and hibernation modes.

Programming

NOTE: *If the diagnostic software does not load or if the vehicle cannot be identified properly, make sure there is a good internet connection and the <u>VCM</u> is properly connected to the <u>DLC</u>.*

1. Log into <u>FDRS</u>.

2. **NOTE:** *Vehicle information is automatically retrieved by the diagnostic software and a Network Test is run. Vehicle identification data appears on the screen when this is complete.*

   Click 'Read <u>VIN</u> from Vehicle' or manually enter the <u>VIN</u>.

3. **NOTE:** *Available modules are shown on the <u>LH</u> side of the screen, and available procedures are listed on the <u>RH</u> side of the screen. Modules that are communicating are highlighted in green.*

   Select Toolbox tab.

4. **NOTE:** *If a module is integrated within another module, both modules will automatically program during this process. For example, if the <u>ACM</u> is selected, the <u>DACMC</u> (if integrated with the <u>ACM</u>) is also programmed.*

   From the list on the <u>LH</u> side of the screen, select the module that requires a programming procedure to be completed.

5. From the list on the RH side of the screen, select PMI or Module Configuration.

6. Click RUN. Follow all on-screen instructions carefully.

Recovery

NOTE: *Perform the following steps when programming has resulted in a blank module.*

1. Disconnect the VCM II or VCMM from the DLC and PC.

2. Launch FDRS and log in.

3. In the Device Manager window that populates, select CANCEL.

4. Select the appropriate VIN from the Vehicle Identification menu or use Manual VIN Entry and select GO.

5. In the Vehicle Communication Device Not Detected window that populates, select CONTINUE. If a Device Explorer window populates, select CANCEL.

6. After the session has started, reconnect the VCM II/ VCMM to the DLC and the PC. The VCM II/ VCMM icon should turn green in the bottom right corner of the screen. If it does not, troubleshoot the FDRS to VCM connection.

7. In the Toolbox menu, navigate to the failed module and Download/Run PMI. Follow the on-screen prompts. When asked if the original module is installed, select NO and continue through the installation application.

8. Once programming has completed, a screen may list additional steps required to complete the programming process. Make sure all applicable steps are followed in order.