

Module Name	Module Address	Programmable Module Installation (PMI) Available	Reprogram/Flash Capable	Requires Adaptive Learning or Calibration	Available Programmable Parameters
FCIM	7A7	Yes	Yes	No	None
GSM	732	No	Yes	No	None
GWM	716	Yes	No	No	None
HCM	734	Yes	No	No	None
HSWM	714	Yes	No	No	None
IPC	720	Yes	No	No	None
IPMA	706	Yes	No	• Camera calibration	None
IPMB	7B1	Yes	No	• Camera calibration	None
OCSM	765	No	No	• OCSM re-zero	None
PAM (integrated with BCM)	736	Yes	Yes	No	None
PSCM	730	Yes	Yes	No	None
PCM	7E0	Yes	Yes	• Misfire Monitor Neutral Profile Correction procedure	None
PDM	741	Yes	Yes	• Windows initialization	None
RCM	737	Yes	No	No	None
RGTM	775	Yes	Yes	No	None
RTM	751	Yes	No	No	None
SCCM	724	Yes	No	No	None
SCME	776	Yes	No	No	None
SODL	7C4	Yes	No	No	• BLIS/CTA enable/disable • Blockage enable/disable
SODR	7C6	Yes	No	No	• BLIS/CTA enable/disable • Blockage enable/disable
TCU	754	Yes	No	No	None
TRM	791	Yes	No	No	None
WACM	725	Yes	No	No	None

General Procedures

Module Programming

Check

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

1. **NOTE:** *Starting the engine prior to creating a programming session may prevent certain part number information from being inhaled by the IDS. This may cause programming errors in some modules.*

Start the programming session in Key ON Engine OFF.

2. Make sure the vehicle battery is fully charged or is connected to a battery charger.
3. Make sure the IDS scan tool is connected to a power source.
4. **NOTE:** *A hardwired internet connection is recommended.*

Inspect the Vehicle Communication Module (VCM) and cables for damage. Make sure cables remain connected throughout the programming procedure.
5. Turn off all unnecessary accessories, such as radio, A/C, climate controlled seats, headlamps, interior and demand lamps.
6. Disconnect any aftermarket accessories, such as remote start, security alarm and power inverter.
7. For Plug-in hybrid and electric vehicles, disconnect the external charge cord from the charge port.
8. Disable Microsoft Windows sleep mode, screensaver and hibernation modes.

Programming

NOTICE: *Do not delete the original diagnostic scan tool programming session.*

1. Follow all on-screen instructions carefully, especially any key movements IDS directs to perform. Allow the startup and power down routines to complete.
2. Follow the on-screen instructions to complete the programming process. If programming errors occur, continue to Step 3. If no programming errors occur, continue to Step 8.
3. **NOTE:** *Perform the following steps when the module programming procedure has resulted in a blank module.*

Obtain the original IDS used when the programming error occurred during Module Reprogramming or PMI.
4. Disconnect and reconnect the VCM from the DLC and the IDS.
5. Start a new IDS session.
 - If the IDS can read the VIN, the IDS will default to the failed session.
 - **NOTE:** *Sessions with failed programming will be highlighted in red. If the original session is not listed, click the Recycling bin icon in the lower left corner of the previous session screen to locate any deleted sessions.*

If the IDS cannot read the VIN, locate the original failed vehicle programming session.
6. Once the session is loaded, the failed process should resume automatically.
7. If programming does not resume, proceed to the Module Programming menu and select the process previously attempted, PMI or Module Reprogramming. Follow all on-screen instructions.
8. When the IDS prompts to select certain parameters, click on ALL parameters listed, including items already highlighted.
9. Perform any additional programming steps in the order directed by the IDS to complete the programming process.

Recovery

NOTE: *Perform the following steps to return the PCM (Powertrain Control Module) to the factory setting.*

1. Start an IDS session. If a previous session is present, select None of the Above.