**ECU800 SERIES CONTROLLER DIAGNOSTIC MODE**

Diagnostic Mode is used to power the **ECU 800 Series Controller**, the engine ECM (but does not initiate cranking) and all DM1 messaging is streamed to the Control allowing full monitoring.

It can be used to retrieve a Diagnostic Trouble Code (DTC) without starting the engine. Allows connection with engine diagnostic tools for expanded engine diagnosis and monitoring. It can also be used for checking the level of the Diesel Exhaust Fluid (DEF) tank, because the engine ECM must be on to retrieve that information.

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**DO NOT ATTEMPT ANY MECHANICAL MAINTENANCE ON THE ENGINE IN THIS MODE SINCE THE ENGINE CAN ACCIDENTALLY START UP. ALWAYS REMOVE THE BATTERY CONNECTIONS PRIOR TO ENGINE SERVICE ACTIVITIES.**

**To enter in Diagnostic mode**

- While holding the HOUR CHECK BUTTON, turn the OFF/RESET toggle switch to MANUAL position then release the HOUR CHECK BUTTON.
To view any faults that might be present, Push the *Program/Exit Button* on the ECU controller and select the *Fault Diagnostics* menu. Select from the options below.

- **Diagnostics Menu 1 (DM1)** to view the Active Faults that are currently present.
- **Diagnostics Menu 2 (DM2)** to view the Stored Faults that have previously occurred.
- **Last Shutdown** Displays the messages and/or codes that might have caused the last shutdown.

To remove the unit from Diagnostic Mode, move the OFF/RESET switch to the center position.

⚠️ **Do not leave switch in MANUAL position and disconnect the battery, it could result in damage**