

## Supported Diagnostic Tests

| Diagnostic Test Name   | Mobile | Windows |
|--|--------|---------|
| Cylinder Cutout Test   | ✓      | ✓       |
| Fan Override Test  | ✓      | ✓       |
| Diesel Exhaust Fluid Doser Pump Air Solenoid Click Test                  | ✓      | ✓       |
| Intake Air Heater Override   | ✓      | ✓       |
| Starter Lockout Relay Driver Override Test                               | ✓      | ✓       |
| EFC Actuator Override Test   | ✓      | ✓       |
| Injector Check Valve Diagnostics Test                                    | ✓      | ✓       |
| Engine State Monitor   | ✓      | ✓       |
| Aftertreatment Diesel Exhaust Fluid System Leak Test                     | ✓      | ✓       |
| Aftertreatment Diesel Exhaust Fluid System Leak Test                     | ✓      | ✓       |
| Aftertreatment Current Based Particulate Matter Sensor Regeneration Test | ✓      | ✓       |
| Fast Idle Warmup Test  | ✓      | ✓       |
| Aftertreatment Diesel Particulate Filter Regeneration                    | ✓      | ✓       |
| Fuel System Leakage Test   | ✓      | ✓       |
| Diesel Exhaust Fluid Doser Pump Override Test                            | ✓      | ✓       |
| Aftertreatment High NOx Reset  | ✓      | ✓       |
| VGT Hysteresis Test  | ✓      | ✓       |
| Aftertreatment Diesel Particulate Filter Restriction Test                | ✓      | ✓       |
| Aftertreatment Diesel Exhaust Fluid Pump Heater Test                     | ✓      | ✓       |
| Aftertreatment SCR System Test   | ✓      | ✓       |
| Electric Fuel Lift Pump Override Test                                    | ✓      | ✓       |
| Switch and Sensor Intermittent Connection Test                           | ✓      | ✓       |
| Aftertreatment Diesel Exhaust System Leak Test                           | ✓      | ✓       |
| Fuel Injector Performance Test   | ✓      | ✓       |
| Fuel Level Override Test   | ✓      | ✓       |
| Engine Protection Witness Test   | ✓      | ✓       |

|   |   |   |
|---|---|---|
| VGT Electronic Actuator Install and Calibration                       | ✓ | ✓ |
| Setup for Dynamometer   | ✓ | ✓ |
| SAE J1939 Datalink Control Test                                       | ✓ | ✓ |
| Diesel Exhaust Fluid Doser System Heater Test                         | ✓ | ✓ |
| Engine Compression And Air Handling System Test                       | ✓ | ✓ |
| Exhaust Throttle Actuator Install and Calibration                     | ✓ | ✓ |
| Exhaust Throttle Hysteresis Test                                      | ✓ | ✓ |
| Cylinder Performance Test   | ✓ | ✓ |
| Gas Throttle Control Test   | ✓ | ✓ |
| Aftertreatment SCR Performance Test                                   | ✓ | ✓ |
| Aftertreatment SCR System Cleaning Test                               | ✓ | ✓ |
| Aftertreatment Diesel Particulate Filter Deep Clean Regeneration Test | ✓ | ✓ |
| Open Loop Mode Lock-In Test   | ✓ | ✓ |
| Heated Oxygen Sensor Test   | ✓ | ✓ |
| Single Bank Cutout Test   | ✓ | ✓ |
| High Pressure Fuel System Actuator Override Test                      | ✓ | ✓ |
| Cylinder Bank Cutout Test   | ✓ | ✓ |
| Engine Fuel Supply Pump Override Test                                 | ✓ | ✓ |
| Engine Priming Pump Override  | ✓ | ✓ |
| Shut Off Valve Solenoid Actuator Test                                 | ✓ | ✓ |
| Aftertreatment Inducement Witness Test                                | ✓ | ✓ |
| Compressor Bypass Valve Test  | ✓ | ✓ |
| EGR Delta Pressure Auto Zero Test                                     | ✓ | ✓ |
| Exhaust Throttle Auto Zero Test                                       | ✓ | ✓ |
| Aftertreatment Intake NOx Sensor Test                                 | ✓ | ✓ |
| Aftertreatment Outlet NOx Sensor Test                                 | ✓ | ✓ |
| Fuel Control Valve Test   | ✓ | ✓ |
| Charge Throttle Actuator Test   | ✓ | ✓ |

|   |   |   |
|---|---|---|
| Aftertreatment Hydrocarbon Doser System Test                        | ✓ | ✓ |
| Centinel Operational Test   | ✓ | ✓ |
| Starter Intake Air Heater Override Test                             | ✓ | ✓ |
| Dual Fan Clutch Test  | ✓ | ✓ |
| Aftertreatment Shutoff Valve and Injector Override Test             | ✓ | ✓ |
| Diesel Exhaust Fluid Doser Pump Override Test                       | ✓ | ✓ |
| Diesel Exhaust Fluid Doser System Heater Test                       | ✓ | ✓ |
| Aftertreatment Diesel Exhaust Fluid Doser Accuracy Test             | ✓ | ✓ |
| Exhaust Throttle Actuator Test                                      | ✓ | ✓ |
| Air Handling Performance Test                                       | ✓ | ✓ |
| Aftertreatment DPF Regeneration Analyzer                            | ✓ | ✓ |
| Fuel Purge Valve Click Test   | ✓ | ✓ |
| Fuel Water Drain Valve Click Test                                   | ✓ | ✓ |
| Fuel Shutoff Valve Click Test                                       | ✓ | ✓ |
| Fuel Control Actuator Test  | ✓ | ✓ |
| HPCR High Pressure Component Rapid Leak Test                        | ✓ | ✓ |
| HPCR Fuel Pump Performance Test                                     | ✓ | ✓ |
| HPCR Fuel System Supply Capacity Test                               | ✓ | ✓ |
| EGR Valve Test  | ✓ | ✓ |
| Engine Protection Witness Test Display                              | ✓ | ✓ |
| Aftertreatment Diesel Exhaust Fluid Doser Air Valve Override Test   | ✓ | ✓ |
| Intake Throttle Actuator Test                                       | ✓ | ✓ |
| Ether Injection Test  | ✓ | ✓ |
| Aftertreatment Diesel Exhaust Fluid Doser Pump Manual Override Test | ✓ | ✓ |
| Aftertreatment Exhaust Gas Temperature Sensor Test                  | ✓ | ✓ |
| VGT 2 Hysteresis Test   | ✓ | ✓ |
| Fuel Shutoff Valve Override Test                                    | ✓ | ✓ |
| Electric Coolant Pump Override Test                                 | ✓ | ✓ |
| Fuel Cell Fan Override Test   | ✓ | ✓ |

|  |   |   |
|--|---|---|
| Turbocharger Actuator Test                                   | ✓ | ✓ |
| VGT 2 Electronic Actuator Install and Calibration            | ✓ | ✓ |
| Cooling Fans Control Test                                    | ✓ | ✓ |
| Thermal Management System Manual Deaeration                  | ✓ | ✓ |
| Fuel Metering Valve Injector Override                        | ✓ | ✓ |
| Battery Refrigerant Compressor Override Test                 | ✓ | ✓ |
| Heater Control Test  | ✓ | ✓ |
| Fuel Cell Engine Freeze Preparation Test                     | ✓ | ✓ |
| Fuel Cell Engine Stack Air Back Pressure Valve Override Test | ✓ | ✓ |
| Fuel Cell Engine Leak Check Test                             | ✓ | ✓ |
| Fuel Cell Engine Stack Air Bypass Valve Override Test        | ✓ | ✓ |
| Fuel Cell Engine Anode Purge Test                            | ✓ | ✓ |
| Fuel Cell Engine Prime Test                                  | ✓ | ✓ |
| Fuel Cell Engine Ventilation Test                            | ✓ | ✓ |
| Fuel Cell Engine Stack Intake Shutoff Valve Test             | ✓ | ✓ |
| Aftertreatment SCR Catalyst Desulphurization Test            | ✓ | ✓ |
| EGR Valve Actuator Test                                      | ✓ | ✓ |
| Ignition System Override Test                                | ✓ | ✓ |
| Fuel Cell Engine Stack Outlet Air Shutoff Valve Test         | ✓ | ✓ |