

Diagnostic Tools

Required Equipment

- Vehicle Communication Module (VCM) and Integrated Diagnostic System (IDS) software with appropriate hardware, or equivalent scan tool with functionality described in [Scan Tool Setup And Functionality](#) in this section.
- Vehicle Communication Module (VCM) and Ford Diagnosis and Repair System (FDRS) software with appropriate hardware, or equivalent scan tool with functionality described in [Scan Tool Setup And Functionality](#) in this section.
- Digital Multimeter (DMM) FLU77-4 or equivalent
- DSL ENG Pressure Test Kit 014-00761 or equivalent
- Adapter, Compression Test 303-1515 or equivalent

Recommended Equipment

Note: Refer to equipment user manual for details on tool accessories and function.

- Rotunda Vacuum/Pressure Tester 164-R0253 or equivalent. Range 0-101.3 kPa (0-30 in-Hg.) Resolution 3.4 kPa (1 in-Hg.)
 - Rotunda Smart Pressure Digital, Variable Pressure Diagnostic Smoke® Machine 218-WV711 or equivalent. Range 6.90-299.92 kPa (1-43.5 psi)
 - Rotunda NUD420-539 resistor load tester or equivalent.
 - Fuel Line Adapter 310-159 or equivalent
 - 5.4L Injector Test 310-190 or equivalent
 - Non-powered test lamp
 - Fused jumper wire
-