

Typical Diagnostic Reference Values

Footnotes are referenced throughout the Typical Diagnostic Reference Value Charts. A letter in parentheses next to a value indicates supplemental information is available.

An attempt is made to provide as much information as possible; some vehicles may not display all input and output signals.

Reference values may vary 20% depending on operating conditions, engine load, temperature, altitude, vehicle speed and other factors. The RPM values are axle and tire dependent. Refer to Section 2 [Parameter Identification \(PID\)](#), for PID descriptions.

Values are taken at an altitude of approximately 189 meters (620 ft) above sea level with the engine at normal operating temperature and accessories off.

Refer to Introduction, [Acronyms and Definitions](#) for technical terms applicable to Ford Motor Company products.

For detailed transmission diagnostics, refer to the Workshop Manual.

- Value depends on fuel tank level. Typical operating range is 15% (empty) to 85% (full).
 - Value is not useful under this condition.
 - Value depends on kilometers (miles) driven between completed regeneration events. For a detailed description of each displayed state, refer to Section 1, [Powertrain Control Software](#), Diesel Particulate Regeneration.
 - Value depends on kilometers (miles) driven since the last regeneration event fully completed. For a detailed description of each displayed state, refer to Section 1, [Powertrain Control Software](#), Diesel Particulate Regeneration.
 - Value depends on kilometers (miles) driven since the last event. For additional information, refer to Section 1, [Powertrain Control Software](#), Brake Over Accelerator.
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