

2022 CHEVROLET CORVETTE SERVICE MANUAL

- SEARCH

1. Diagnostic Overview, Starting Point, and Programming

2. Vehicle Diagnostic Information

3. Specifications

- 4.

Power Steering Control Module Scan Tool Information

Power Steering Control Module Scan Tool Data Parameters

Parameter	System State	Expected Value	Description
Operating Conditions: Ignition ON			
Ignition Cycle Counter	~	Varies	This displays the number of ignition cycles.
Calculated System Temperature	~	Varies	This displays Å, Å° C. This is the current system temperature.
Steering Wheel Angle	~	Varies	This displays Degrees. This displays the current steering wheel angle in degrees.
Steering Wheel Input Torque	~	Varies	This displays N-m. This displays the current steering input torque in N-m.
Power Steering Motor Overload Protection Counter	~	Varies	This displays counts. This displays the Electric Power Steering Motor Overload Protection Incidents counter.
Power Steering Control Module SPS Calibration Status	~	True/False	Indicates the completion status of the Electric Power Steering calibration.
Power Steering Control Module Center Procedure	~	True/False	Indicates the completion status of the Electric Power Steering centering procedure.
Engine Speed	~	0 RPM	This displays RPM. This is the current engine speed from the ECM.
Vehicle Speed	~	0 Km/h (0 MPH)	This displays km/h (mph). This is the current vehicle speed.
Motor Feedback Current	~	Varies	This displays amps (A). This displays the Electric Power Steering Motor Current Feedback.
Delivered Torque	~	Varies	This displays N-m. This displays the current value of the Output Torque of the Electric Power Steering.
Power Mode	~	OFF/Accessory/Run/Crank Request	This displays system power mode.
Battery Voltage	~	Varies	This displays Volts. This is the current battery voltage.

Power Steering Control Module Scan Tool Output Controls

Output Control	Description
Clear Driver-Specific Steering Angles	Command to reset the steering rack end of travel limit position as determined by software.
Clear Softstops	Command to reset the steering gear soft end stops as determined by software.
Temporarily Turn Off Active Pull Compensation Function	Command to disable the Active Pull Compensation feature during the key cycle. The power steering control module will return to normal operation with the feature enabled upon exiting the procedure.
Clear Active Pull Compensation Learned Limits	Command to reset the Active Pull Compensation learned values.
Temporarily Turn Off Smooth Road Shake Compensation Function	Command to disable the Smooth Road Shake Compensation feature during the key cycle. The power steering control module will return to normal operation with the feature enabled upon exiting the procedure.
Disable All System Outputs	Command to disable all system outputs of the power steering control module.