

2022 CHEVROLET CORVETTE SERVICE MANUAL

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A22 Radio Controls: Scan Tool Information

Radio Controls Scan Tool Data Parameters

Parameter	Expected Value	Definition
Operating Conditions: Ignition ON		
Battery Voltage	Varies	The scan tool displays volts. This is the voltage at the input to the radio controls.
Power Mode	Run	The scan tool displays Off, Accessory, Run or Crank Request. This is the vehicle power mode status as received by the radio controls via serial data.
Repair Shop Code	Varies	The scan tool displays the last two digits of the dealer code or test tool serial numbers used to perform the most recent programming event.
Programming Date	Varies	The scan tool displays the date code in which the module was last programmed.
Previous Stored Repair Code	Varies	The scan tool provides previous history or repair shop code information.
ECU Diagnostic Address	Varies	The scan tool provides a 2 digit value for the GMLAN ECU address.
Data Universal Numbering System Identification	Varies	The scan tool provides data for traceability of programming events.
Manufacturing Traceability Characters	Varies	The scan tool proves manufacturing data for programming events.
Driver Seat Heating/Venting/Cooling Level	Varies	The scan tools displays No LED Activated, 1 LED Activated, Seat Back and Cushion Heating, Seat Back Heating, 2 LEDs Activated, Seat Venting/Cooling, or 3 LEDs Activated. The scan tool displays the level at which the LEDs are illuminated on the driver heated seat indicator.
Passenger Seat Heating/Venting/Cooling Level	Varies	The scan tools displays No LED Activated, 1 LED Activated, Seat Back and Cushion Heating, Seat Back Heating, 2 LEDs Activated, Seat Venting/Cooling, or 3 LEDs Activated. The scan tool displays the level at which the LEDs are illuminated on the passenger heated seat indicator.
Driver Seat Heating/Venting/Cooling Mode	Varies	The scan tools displays Seat Back and Cushion Heating, Seat Back Heating, or Seat Venting/Cooling. The scan tool displays the driver seat heating or cooling mode that is currently active.
Passenger Seat Heating/Venting/Cooling Mode	Varies	The scan tools displays Seat Back and Cushion Heating, Seat Back Heating, or Seat Venting/Cooling. The scan tool displays the passenger seat heating or cooling mode that is currently active.
Key Stuck	No	The scan tool indicates Yes or No. This indicates if one of the secondary steering wheel controls buttons has been detected in a stuck/ always on state or held too long.
Infotainment Controls	No Button Pressed	The scan tool displays No button Pressed, Button Pressed, or Multiple Buttons Pressed. The scan tool indicates if controls buttons are currently pressed.
Info Display/Infotainment Faceplate Wake-Up Command	Inactive	The scan tool displays Active or Inactive. This indicates if the wakeup input for the display/controls is active.
End Model Part Number	Varies	The scan tool displays the end model part number.
Boot Software Part Number	Varies	The scan tool displays the boot software ID number.
Manufacturer Enable Counter	0	The scan tool displays the counter value. This counter is used for manufacturing purposes only.
Calibration Part Number 1	Varies	The scan tool displays the software module ID 1.

Parameter	Expected Value	Definition
Calibration Part Number 2	Varies	The scan tool displays the software module ID 2.
Calibration Part Number 3	Varies	The scan tool displays the software module ID 3.
Calibration Part Number 4	Varies	The scan tool displays the software module ID 4.
Calibration Part Number 5	Varies	The scan tool displays the software module ID 5.
Calibration Part Number 6	Varies	The scan tool displays the software module ID 6.
Calibration Part Number 7	Varies	The scan tool displays the software module ID 7.
Calibration Part Number 8	Varies	The scan tool displays the software module ID 8.
Calibration Part Number 9	Varies	The scan tool displays the software module ID 9.
Calibration Part Number 10	Varies	The scan tool displays the software module ID 10.
Calibration Part Number 11	Varies	The scan tool displays the software module ID 11.
Calibration Part Number 12	Varies	The scan tool displays the software module ID 12.
Calibration Part Number 13	Varies	The scan tool displays the software module ID 13.
Calibration Part Number 14	Varies	The scan tool displays the software module ID 14.
Calibration Part Number 15	Varies	The scan tool displays the software module ID 15.
Calibration Part Number 16	Varies	The scan tool displays the software module ID 16.
Diagnostic Data Identifier	Varies	Identifies a supplier and system specific data stream used by diagnostic testers to interpret a diagnostic data stream.

Radio Controls Scan Tool Output Controls

Scan Tool Output Control	Description
Info Display/Infotainment Faceplate Reset	This output is a reset command to reset the display/controls assembly.
Backlight Dimming	This control function is used to increase or decrease the backlighting dimming level of the controls, expressed in percent.
Seat Heating/Venting/Cooling Indicator	This control function is used to turn the seat heating/venting/cooling indicator on or off.

Radio Controls Configuration/Reset Options

Scan Tool Output Control	Description
Info Display/Infotainment Faceplate Reset	This output is a reset command to reset the display/controls assembly.
CAN Bus Configuration Learn	Implementation of this device control allows the user to force the module to relearn all previously learned source IDs.