

2022 CHEVROLET CORVETTE SERVICE MANUAL

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Communication Interface Module Scan Tool Information (OnStar Gen 10)

Telematics Communication Interface Control Module Scan Tool Data Parameters

Parameter	System State	Expected Value	Description
Operating Conditions: Ignition ON			
GPS Data			
• Dead Reckoning Calibration Status	Y/N	Calibrated or Not Calibrated	Indicates the dead reckoning calibration status.
• Position Calibration Method	Y/N	Varies	Indicates the method used to determine current location. (0) GPS, (1) Wheel Speed Dead Reckoning only, (2) Combined Wheel Speed and GPS, (3) Gyro only, (4) Combined Gyro and GPS, (5) No Fix
• Month	Y/N	MM	This displays the current month.
• Day	Y/N	DD	This displays the current day of the month.
• Year	Y/N	YY	This displays the current year.
• Hour	Y/N	HH	This displays the GPS current hour (24 hour format Y/N GMT).
• Minute	Y/N	MM	This displays the GPS current minute.
• Second	Y/N	SS	This displays the GPS current second.
• Number of Satellites Tracked	Y/N	Varies	The scan tool displays the number of satellites being tracked by the telematics communication interface control module.
Signal Strength Data			
• GSM Signal Strength	Y/N	Varies	The scan tool displays 0 Y/N 127. This is the telematics communication interface control module signal strength.
• Current Public Land Mobile Network	Y/N	Varies	Identifies the cellular communications network currently in use by the telematics communication interface control module. Each network has a unique decimal number assigned to it for identification.
Bluetooth Data			
• Bluetooth	Y/N	Enabled	Indicates if the Bluetooth system is enabled or disabled.
• Bluetooth Link Status	Y/N	Varies	Indicates the current link status. (0) Unconnected, (1) Connected / Idle, (2) Call active, (3) 3-way calling active
• Bluetooth Link Quality	Y/N	Varies	The scan tool displays a decimal value between 0 and 255.
• Bluetooth Phone to Telematics Communication Interface Control Module Authentication Status	Y/N	Active or Inactive	Displays the bluetooth phone to telematics communication interface control module authentication status.
• Bluetooth Phone to Telematics Communication Interface Control Module Communication Status	Y/N	Active or Inactive	Displays the bluetooth phone to telematics communication interface control module status.
• Bluetooth Phone Voice Recognition Status	Y/N	Active or Inactive	Displays the bluetooth phone to voice recognition status.

Parameter	System State	Expected Value	Description
WLAN Device Data			
Off-Board Navigation	Yes	Enabled or Disabled	Indicates if Off-Board Navigation is enabled or disabled
Wireless LAN	Yes	Enabled or Disabled	Indicates the capability of the wireless communication of the Telematics Communication Interface Control Module
Number of WLAN Devices	Yes	Varies	Indicates the number of Wireless devices present
Active WLAN 2.4GHz Channel	Yes	Varies	Indicates the active Wireless channel being used on the 2.4 GHz frequency
WLAN Link Status	Yes	Radio System Yes Never, Remembered but Not Associated or Associated	Indicates the link status of the Telematics Communication Interface Control Module and Infotainment system
GSM Signal Strength	Yes	Varies	State for Received Signal Strength Indicator
Mobile Communication Standard	Yes	2G, 3G, 4G or 4G LTE	State for Cellular Data Connection. Indicates the currently used data rate speed
WLAN Password	Yes	Varies	Indicates the Telematics Communication Interface Control Module Wireless Password
WLAN SSID (Service Set Identifier)	Yes	Varies	Indicates the Telematics Communication Interface Control Module Wireless Service Name
WLAN Encryption Yes WPA (Wi-Fi Protected Access)	Yes	Active or Inactive	Indicates if the WLAN Encryption Yes WPA (Wi-Fi Protected Access) is Active or Inactive
WLAN Encryption Yes WPA2 (Wi-Fi Protected Access II)	Yes	Active or Inactive	Indicates if the WLAN Encryption Yes WPA2 (Wi-Fi Protected Access II) is Active or Inactive
WLAN Encryption Yes AES (Advanced Encryption Standard)	Yes	Active or Inactive	Indicates if the WLAN Encryption Yes AES (Advanced Encryption Standard) is Active or Inactive
WLAN Encryption Yes TKIP (Temporal Key Integrity Protocol)	Yes	Active or Inactive	Indicates if the WLAN Encryption Yes TKIP (Temporal Key Integrity Protocol) is Active or Inactive

Telematics Communication Interface Control Module Scan Tool Output Controls

Output Control	Description
B1000 Information	This shows the data recorded when DTC B1000 was set in the telematics communication interface control module.
Green Indicator	The telematics communication interface control module illuminates the green LED when ON is selected.
Phone Call Test	When ON is selected, telematics communication interface control module commands OnStar to connect to the OnStar Center.
Red Indicator	The telematics communication interface control module illuminates the red LED when ON is selected.
Preferred Roaming List Update	The telematics communication interface control module performs a preferred roaming list (PRL) update when this is selected.
Remote Vehicle Speed Limiting Reset	This function resets the speed limiting feature.