

2022 CHEVROLET CORVETTE SERVICE MANUAL

- SEARCH

1. Driver Information and Entertainment

2. Image Display Cameras

3. Description and Operation

4.

Vehicle Performance Data Recorder Description and Operation

General Description

The Vehicle Performance Data Recorder is a secondary display system that displays and records video, audio, and vehicle data. This data is stored on an SD card. The system is operated through the radio display touch screen and can display several combinations of vehicle information.

The Vehicle Performance Data System includes of the following components:

- K161 Vehicle Performance Data Recorder
- B270 Vehicle Performance Camera
- X20 Card Reader Receptacle
- T15 Navigation Signal Splitter or T4V Vehicle Performance GPS Antenna
- A22 Radio Control

Display formats

There are four different display overlay formats that in addition to video and audio, show the following information:

Touring shows:

- No vehicle data overlaid

Sport shows:

- Vehicle speed
- GPS tracking map
- Engine Speed
- Current transmission gear
- Friction bubble graphic
- Brake and throttle percentage graphic
- Steering angle
- Active handling ACTIVE indicator
- Performance Traction Management mode
- Current lap time

Track shows:

- Vehicle speed display
- Engine speed display
- Turn signal indicators
- High beam indicator
- Transmission gear display

Timing shows:

- 0-30 mph (0-50 km/h) time
- 0-60 mph (0-100 km/h) time
- 0-100 mph (0-200 km/h) time
- 1/8 mile (200m) time
- 1/4 mile (400m) time
- 100-200 mph (160-320 km/h) time
- Horsepower
- Engine speed
- Transmission gear display
- Vehicle speed
- Throttle percentage
- Traction control status
- Launch control indicator

B270 Vehicle Performance Camera

The system uses a B270 Vehicle Performance Camera mounted to the inside rearview mirror. The K161 Vehicle Performance Data Recorder provides the B270 Vehicle Performance Camera battery voltage and ground and receives audio and video signals from the B270 Vehicle Performance Camera via a discreet USB harness.

X20 Card Reader Receptacle

The system uses a X20 Card Reader Receptacle mounted inside the glove compartment. An SD card must be inserted into the X20 Card Reader Receptacle in order to record events. The K161 Vehicle Performance Data Recorder provides the X20 Card Reader Receptacle battery voltage and ground via the vehicle wire harness and transmits and receives audio and video signals from the X20 Card Reader Receptacle via a discreet USB harness.

A Fat32 or exFAT formatted Class 10 or higher branded HC SD memory card can be used. If large sessions will be recorded (4GB or more), exFAT SD cards may perform better than FAT32 SD cards.

Navigation Antenna

The system uses a discreet Navigation Antenna to display GPS position and set waypoints, finish line, etc.