

CVF-200 Installation Quick Start Guide



The CVF-200 is a full-featured, GPS product designed for collateral asset protection in automobiles. The new, smaller-sized devices are equipped with CalAmp's proprietary SkySmart technology, providing customers with any required OTA (over-the-air) updates device updates, dual processor performance and standard battery backup. The CVF-200, when coupled with the LenderOutlook™ collateral assurance solution, is ideal for vehicle finance, auto rental and location-based applications.

The CVF –200 series offers three device model options. All models include battery backup and a motion detector. The battery backup provides protection against potential tampering, and the motion detector provides notification if a vehicle is towed. Additionally, the CVF-200 series supports LenderOutlook's Mileage Manager and Location Validation Reporting.

P/N	Device Type Description	Backup Disconnect & Tow Alerts	Location Validation Analytics	On-line Renewals
CVF-200-23	CDMA, Locate Only	✓	✓	✓
CVF-200-24	CDMA, Locate with Starter Disable	✓	✓	✓
CVF-200-27	CDMA, Locate with Starter Disable and Payment Reminder	✓	✓	✓

CVF-200 Wiring Harness					
Wire	Wire Gauge	Color	Signal Name	Description	Input/Output
1	22	Red	Power	Primary power to the CVF 12V Nominal	Battery Positive
2	22	Black	Ground	Vehicle or Chassis Ground	Battery Negative
3	22	White	Ignition	Ignition wire	Required for Starter Disable & Tow Alert
4	22	Green	Output 0	Output to Starter Disable Relay	Output to Starter Disable Relay
5	22	Blue	Input 1	Not Used	Not Used
6	22	Blue/White	Output 1	Output to Payment Reminder Buzzer	Output to Payment Reminder Buzzer

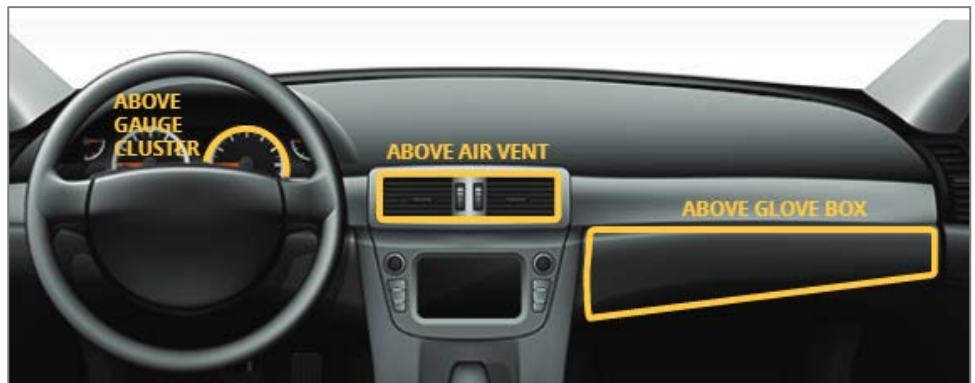
CVF-200 INSTALLATION PROCESS – EASY AS 1-2-3

STEP ONE: SELECT THE INSTALLATION LOCATION

The CVF-200 must be installed in a horizontal position, label-side up and unobstructed by metal.

For optimal performance, CalAmp recommends an in-dash installation.

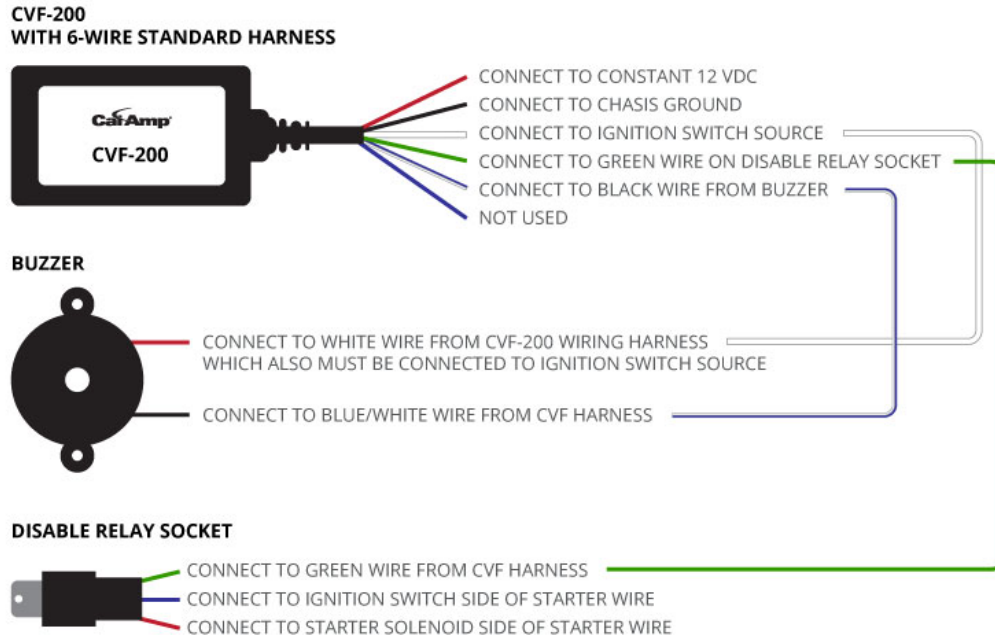
- above the gauge cluster
- above the air vent
- above the glove box



STEP TWO: INSTALL THE CVF-200 AND OPTIONAL OUTPUTS

CalAmp recommends power generation from the vehicle's ignition harness. This is required for use with the Starter Disable relay, Payment Reminder Buzzer and Tow alert.

Note: Verify that the white wire is powered only with the key in the Engine On condition, not the ACC or radio key position.



STEP THREE: ACTIVATE DEVICE AND TEST

Before testing the device's cellular and GPS signal strength, confirm that both LED lights on the device are solid and the device is installed in its final location within the vehicle. The device must acquire a GPS signal and communicate with the wireless network.

Note: Confirm with the Lender for pre-funding requirements and which functions to apply.

Two options for activating and testing devices:


- Installation Portal within the LenderOutlook application
- MobileInstall app, available as a free download from the Google Play Store.

Diagnostic Testing:

Note: Please DO NOT CLICK 'Test Diagnostics' until both the following are completed.

- 1) The unit is powered on and has both **Solid lights** indicating GPS satellite lock and communication with the wireless network. Blinking lights indicate the unit still has not established GPS and/or network communications. (See installation guide for details for your specific unit).
- 2) The unit is fully installed in the vehicle in its' final installation position.

If for any reason you cannot see the lights after install, please wait 5-10 minutes after power-up BEFORE continuing.



GPS & Wireless connectivity indicator lights

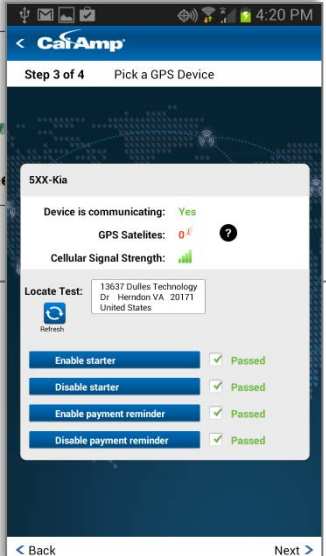
Test Diagnostics

Cellular data connection test

GPS location test

GPS Satellites : 5 good Cellular Signal Strength : [Full Signal]

Device has passed diagnostic testing, proceed to the next step.



LenderOutlook Installation Portal →

MobileInstall app →