



**NEW VINTAGE USA
DETROIT**

**GPS SPEED SENDING UNIT
V11**



TECHNICAL INFO

The New Vintage USA GPS unit can run almost any programmable speedometer on the market.

GPS unit can output from 5k-19k (Pulse per mile)

KPH SPEEDOS needs to be calibrated to 9943PPM before the GPS calibration

Adjust your Input Filter setting to L via SETUP menu

Other Brands: Check your gauge manufacturers instructions on how to calibrate the Speedometer. This varies across the various companies on the market. The goal here is to make sure the programmable speedo is matched to the 16,000 PPM count that the NVU GPS speed sender produces. This will allow for hassle free operation for the life of the vehicle.

NVU's GPS speed sender has a single LED that shows the current signal strength and connection by displaying RED to show that the signal is low/no signal, while the Green shows the unit is ready to provide a speed signal.

RED=WEAK/NO SIGNAL



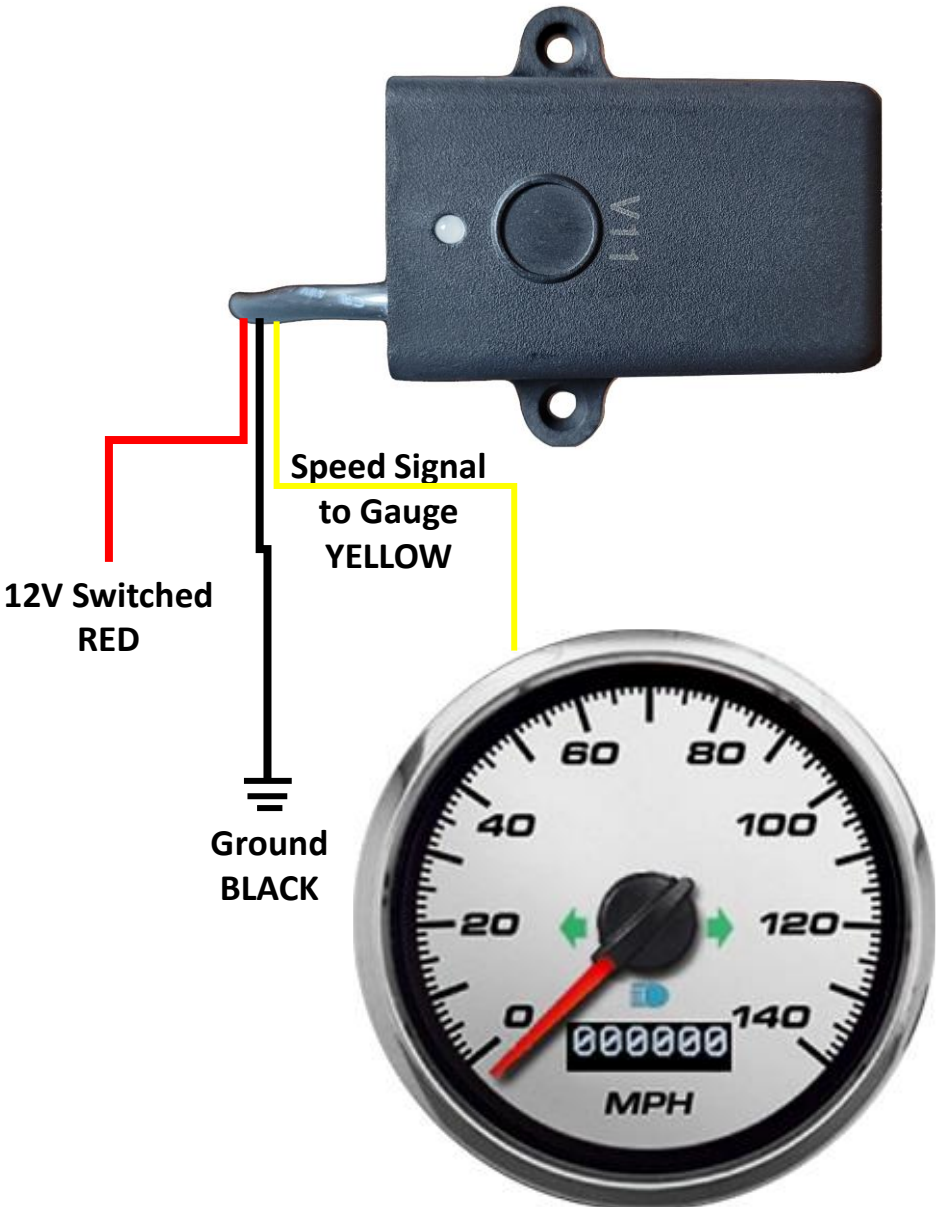
GREEN=GOOD/MOVING



IF YOUR VEHICLE IS LOCATED IN A SHOP OR METAL BUILDING YOU WILL WANT TO GET THE VEHICLE INTO AN OPEN AREA TO HELP THE ANTENNA CONNECT TO THE SATELLITE FOR THE FIRST TIME. THIS CAN TAKE UPTO 15 MINUTES THE FIRST TIME, AFTER THAT IT WILL CONNECT QUICKLY.

Wiring

Caution: Incorrectly wiring the power and ground connections will fry your GPS, it may also lead to fire if left connected like this.

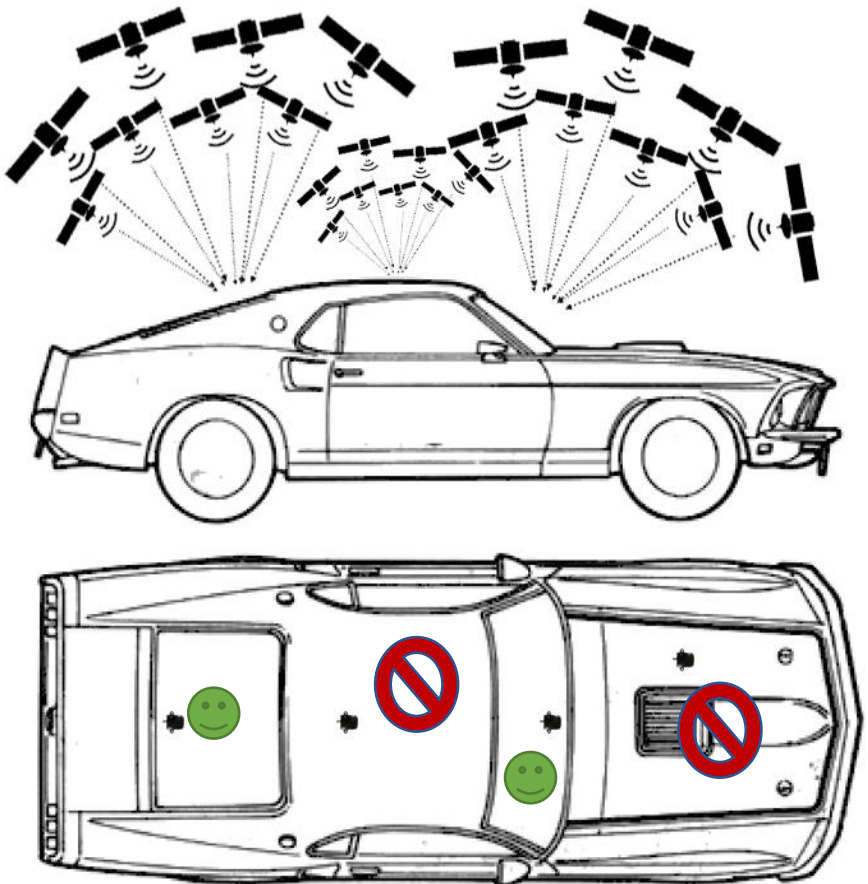


Mounting

Do not trim the GPS wiring as it is shielded to limit interference.

- This unit is not waterproof and must be mounted in the cab.
- When installing the GPS be mindful of things that can reduce or totally block the signal. Such as thick Sheetmetal or mounting too close to a high energy wiring (test fit and power on GPS to verify you have a good signal before final install).
- If you are experiencing signal issues, try and place the GPS unit in another location and check LED for Status. RED is low or no signal

Unit can be mounted horizontal or vertical, make sure flat side is facing mounting surface



CALIBRATION

The NVU GPS Sender comes from our factory set to 16,000PPM, this is the default for any NVU Phoenix Gauge sets built since 2018. **KPH SPEEDO set gauge to 9,943PPM**

If using another brand of gauge, it might be necessary to calibrate the GPS unit to your gauge or vice versa. **GPS V11 OUTPUTS 5-19k PPM, if using a non NVU speedo check your application is compatible.**

Calibration Method 1:

1. Press and button for 3 seconds, the LED will turn to fast/slow green flashes, with one red LED flash in sequence. Now GPS sender is in Calibration mode.

2. Connect the GPS to your speedo before powering up, Enter calibration mode by pressing the GPS button until the speedo shows 100 MPH
(NOTE: IF YOU PASS 100MPH, CLICK THE BUTTON UNTIL YOU HAVE GOTTEN BACK TO NEAR 100MPH)

3. Press and hold the button for 3 seconds, the LED will flash 3 times to store the new pulse/mile data in memory, and the calibration is done!

If you do not press and hold the button for 3 seconds, the new number will not be stored

Calibration Method 2:(if you know your speedo's pulse/mile number, no need to connect a speedo)

In Calibration mode, press the button once and continue press once at a time until you get the pulse/mile counts.

The current pulse setting will show by the green LED flash times: start with red LED flash, each green LED flash will count as 1,000 PPM. One group fast green LED flashes represents 5 times flash, slow green LED flash represent one flash. For example, as default, start count after the red LED flash, 3 fast green flash group represent 15,000 PPM, and one more slow green flash represents 1,000 PPM, so the total is 16,000 PPM. Push button once will add one more green LED flash/add 1,000 pulse, if you go past 19,000 PPM, it will be back to default to 5,000 PPM. After each flash of green LED, press and hold the button for 3 seconds, the LED will flash in red 3 times to confirm, the pulses will be stored in memory (even without power), and GPS will be back to normal operation mode. **If you do not press and hold the button for 3 seconds, the new number will not be stored, and the GPS will be out of calibration mode for 60 seconds.**



**NEW VINTAGE USA
21840 WYOMING PL STE. A
OAK PARK, MI 48237
VOICE: 248.850.5482
FAX: 248.565.8291**

**www.newvintageusa.com
service@newvintageusa.com**