

It is important to note that these instructions are generalized for the Humvee (HMMWV). Each Humvee is slightly different and may require additional steps or actions. Please make sure you are comfortable and capable with the removal/replacement steps as listed below. Note that the more difficult steps are at the beginning of the installation process i.e. (disconnecting the harnesses) if this can be completed the remaining steps are relatively simple.

ATTENTION: The Speedhut Humvee gauges are designed for use with military series HMMWVs (these gauges are incompatible with the H-Series Hummers).

Installation Instructions

1. Disconnect negative (-) battery cable.
2. Remove the stock instrument panel.
3. Disconnect all of the stock gauges from the wiring harness. (To make installation easier, take note of the wires that each gauge is connected to)
4. Install the new Speedhut Humvee Gauges into the Speedhut replacement instrument panel. (If not previously completed)
5. Connect the Speedhut gauges to the vehicle wiring harness using the wiring diagram in **Figure 1**.
6. Install the replacement instrument panel.
7. Reconnect the negative (-) terminal on the battery.

GPS Speedometer Instructions

For best results, mount GPS antenna with as much view of the sky as possible (preferably on the roof of the vehicle.) The GPS antenna is waterproof and magnetic. If the vehicle's roof is not accessible then mount the antenna on top of the vehicle's dash with as much exposure as possible to the sky through the window. (Antenna will acquire signal through some thin materials i.e. wood, glass, fiberglass, and plastic. All types of metal will block signals.)

The Hot start feature is optional. Connecting the Hot start wire to constant +12-24 volts allows the GPS to quickly acquire a signal in less than 2 seconds. (Feature saves previous satellite position enabling speedometer to quickly restore GPS position on power up when the unit has been powered off 4 hours or less.)

The current draw is extremely low (25 micro-amp) and will have virtually zero impact on a car battery's charge. Hot start wire should be connected directly to battery +12-24 voltage and should remain powered 100% of the time.

See **Figure 2** for information on the GPS Speedometer menu

*If you need further assistance contact us at support@speedhut.com or 1-801-221-1460

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Figure 1

Wiring Diagram

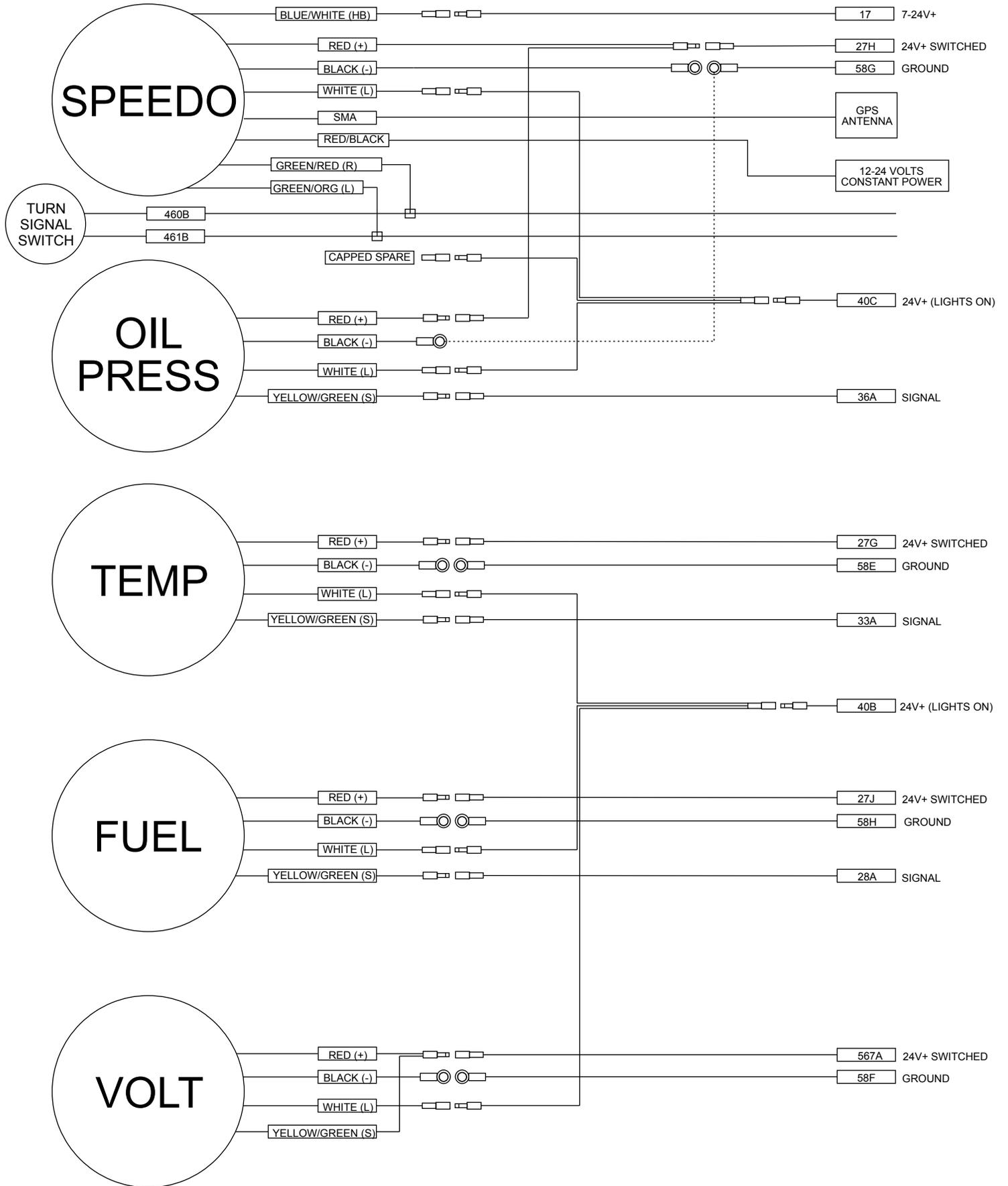
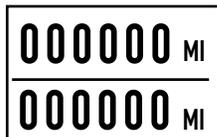


Figure 2

Speedometer LCD Menu

To cycle through menu, press button once for each menu item.

1. Odometer and Trip



Odometer (shows up to 999,999 miles or kmh)
Trip Odometer (shows up to 999,999 miles or kmh)

- Press and hold button to reset trip.

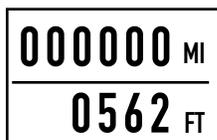
2. Clock



Time is acquired from GPS satellites. User only needs adjust the hour for their time zone.

- Press and hold button to set clock. (colors will invert)
- Toggle through am/pm hours until correct time is reached.
- Release button for several seconds to save time. (colors will return)

3. Elevation



Elevation is acquired from GPS satellites and shows current elevation from sea level in feet/ meters.

4. Speed (mph or kmh)



Shows current speed in mph or kmh.

5. Direction



Shows current direction.

Note: Default direction is North (N). Correct direction will display only when moving.

6. Peak



Shows top speed reached.

- Press and hold button to clear peak.

7. 0-60 mph/0-100 kmh time



- Press and hold button to stage while car is stopped.
- Timer will start as soon as car starts to move.
- Accelerate to 60+mph/100+kmh.
- Timer will stop once 60mph/100kmh is reached to display the time to the nearest 1/100th of a second and distance traveled.

8. 1/4 mile time



- Press and hold button to stage while car is stopped.
- Timer will start as soon as car starts to move.
- Drive through 1/4 mile.
- Timer will stop once 1/4 mile distance is reached to display the time to the nearest 1/100th of a second and speed to the nearest 1/10th of mph.