

# Install Guide for SHV4A-J01 Jeep Kit

Mfr. by HealTech Electronics / Blue Monkey Motorsports

## **For use with the following Jeep vehicles:**

**Wrangler TJ** (1998-2005), **Cherokee XJ** (1998-2001)

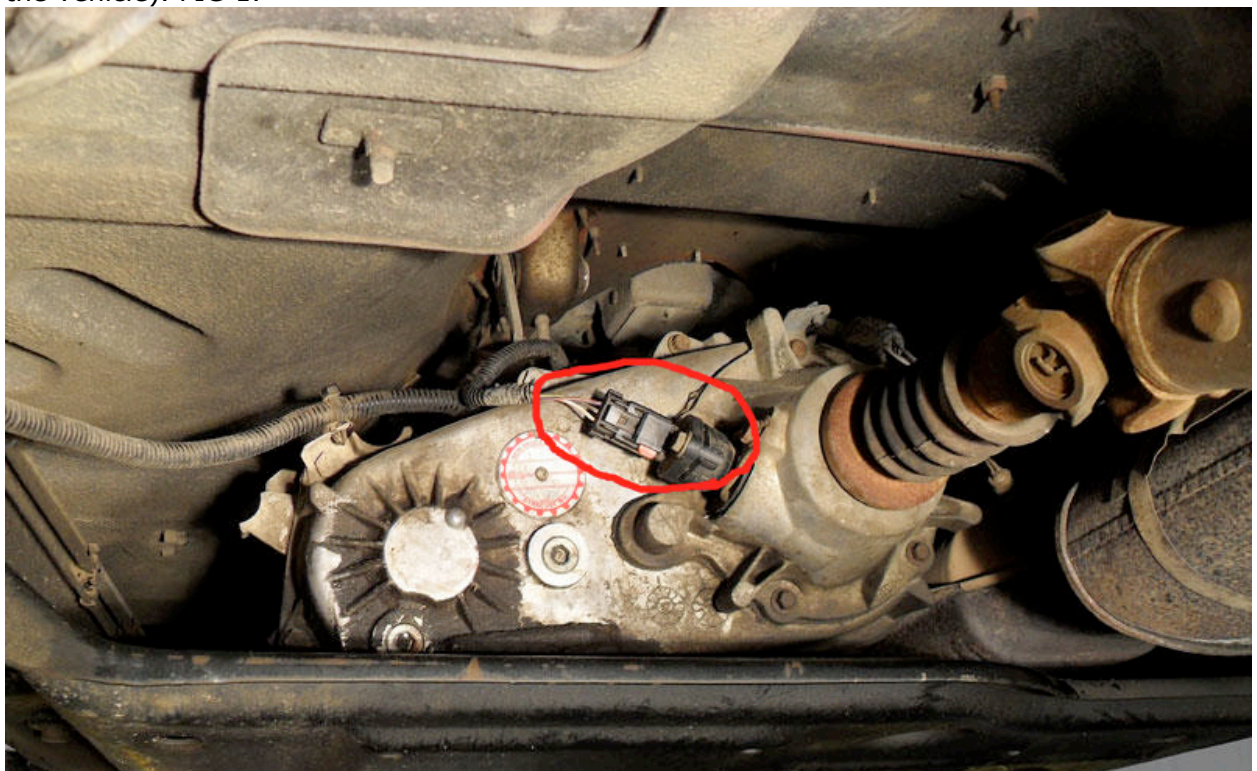
***Disclaimer:** Even people with nearly zero mechanical ability can easily install the **PLUG AND PLAY** SpeedoHealer in a few short minutes. In our test, one of our staff's 15 year old daughter was able to install it in just 5 minutes. The SpeedoHealer is intended to improve speedometer accuracy. However, HealTech Electronics Ltd. and Blue Monkey Motorsports Inc., shall not be liable for any loss, damage or penalties caused by improper installation, unlawful use (see your state's relevant laws), or inaccurate speed readings.*

## **1. Locating the Speed Sensor Connector**

### Preparation:

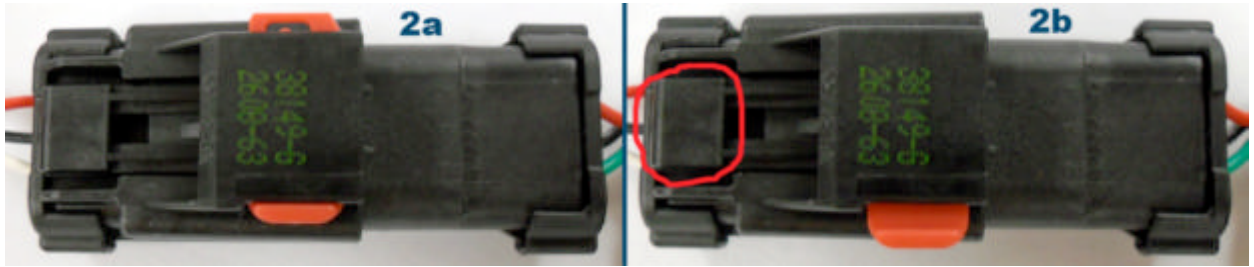
- Vehicle should be parked on flat ground with parking brake on for safety.
- The ignition key should be in the OFF position. **Remove the key from the ignition** while working under a vehicle.
- Since most garages are not terribly well lit, even a cheap single bulb shop light or head-strapped light is very helpful when you're under the vehicle.
- A mechanic's creeper to lay on helps but is not required

The Speed Sensor connector is located at the rear of the transfer case, near where the rear drive shaft exits. (The transfer case is ahead of the rear wheels near the center of the vehicle). FIG 1.



## 2. Installation

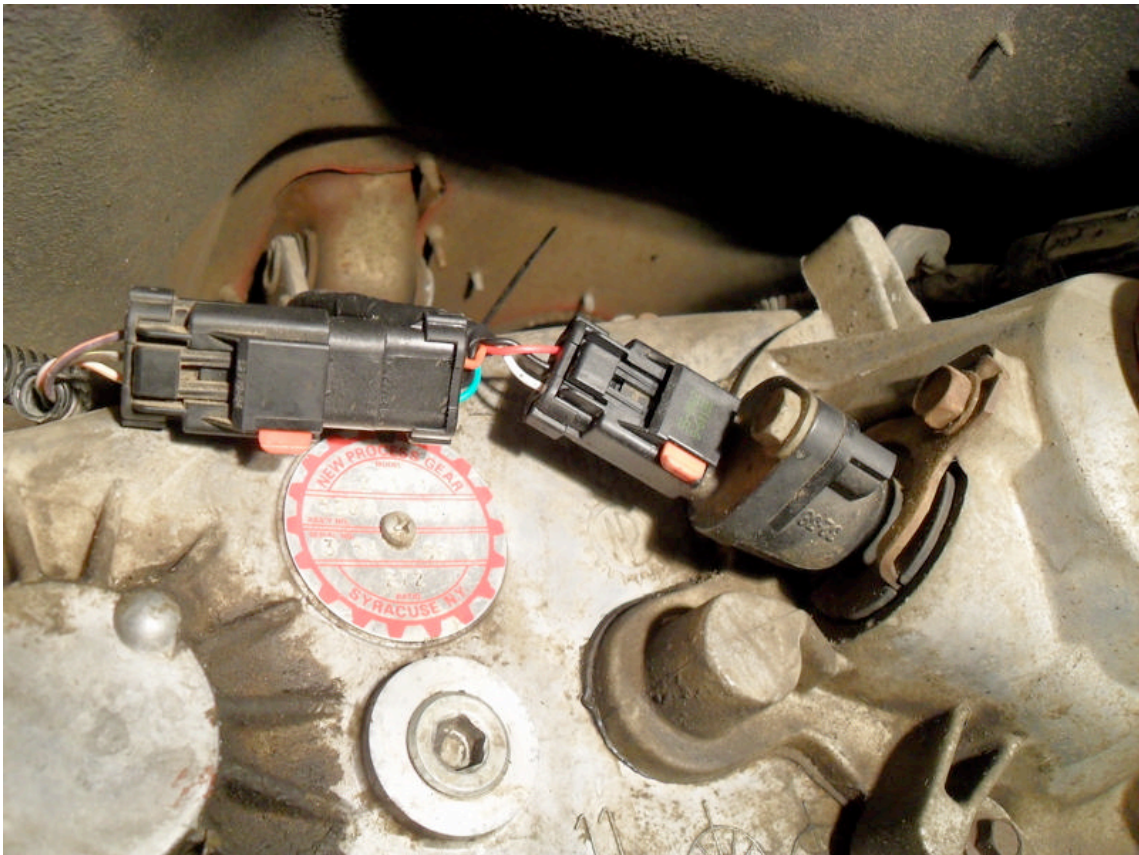
Find the small red lock tab. Fig 2a shows it in locked position. Fig 2b shows it in unlocked position. Note that it is shown unlocked in Fig. 1 above.



Once unlocked, separate the plug from speed sensor by pressing the black pressure tab of the connector (circled in red in Fig 2b above) while gently pulling.

Insert SpeedoHealer connector into speed sensor. This connector will be identical to the one you just unplugged. Slide red tab to locked position

Now connect other SpeedoHealer connector to the open plug you just disconnected. Slide red tab to locked position. See Fig 3 below for completed connection sequence (note that tabs have not yet been locked in this photo).



Now route cable toward engine compartment following factory wiring harness, using zip ties to secure away from moving parts and heat sources. (Fig. 4 below)

NOTE: End destination of SpeedoHealer cable is passenger side firewall.



In engine bay, route SpeedoHealer cable along factory wiring harness to passenger side firewall. Mount SpeedoHealer control box to factory harness with zip ties and plug in SpeedoHealer cable. (Fig 5 below)

**Important:** Do not bend the SH harness more than a couple degrees right at the SH connector, or the pins in the connector are weakened and could break over time.



Do not mount control box near distributor, distributor wires, or other electronic devices.

**ALTERNATE MOUNTING LOCATION:** Since this unit can mount anywhere its kept away from heat sources and major electrical components, it really can be mounted in any one of a dozen places. IF you wish to drill your firewall, this unit can even be installed inside your glove compartment inside the vehicle. We're simply showing you the MOST LIKELY and simplest mounting location.

Turn ignition to run position and verify control box LED is illuminated by pushing both red buttons simultaneously. Release buttons. You are now ready to program.