

# Speedometer Software Version 4.9



The following software changes come standard on MY 2010 vehicles. MY 2009 vehicles may be upgraded to version 4.9 at the owner's or dealer's discretion. This is not a warrantable item.

Changes include:

## Blinker Warning

If the blinker is left on per below, the LCD screen will display **BLINKR** flashing until either the blinker is canceled or the mode switch is depressed.

- Minimum Speed default is 10MPH.  
Time to warning in lower speed range is 25 seconds.
- Crossover Speed default is 40MPH.  
Time to warning in the upper speed range is 15 seconds.

These variables may all be modified via the upcoming Service Tool via the "Tools" dropdown menu box and selecting "Lamps Programmer".

The "Blinker Parameters" box on the right will contain those variables.

If the default parameters are desired, they may be re-set by going into that "Lamps Programmer" box, and using the "Options" drop down and selecting the "Restore Default Values" button.

Finally, if the Blinker warning is not desired at all, just go into that "Lamps Programmer" box and click the large green "BLINKR: ENABLED" button on the top and it should change colors to indicate the change.

## Fault Warning Indication LCD Display

"√LAMPS" is **not used** any longer

"√HDLT" is indicated for a low or high beam headlight failure

"√BRKLT" is indicated for a brake lamp failure (NOT park lamps - there is not a fault displayed for that)

"√SPTLT" is indicated for one or both spot lights failing

"√TURNS" is indicated for a turn signal failure, but is **turned OFF as default**

"√FPUMP" is indicated for a fuel pump, injector(s), or ignition coil circuit fault (12V supply side)

"√O2HTR" is indicated for an Oxygen Sensor Heater circuit fault (12V supply side)

## Fault Warning Indication Disabling

The ability was also added to use the new service software to turn off any of the light warnings individually so that LED based replacement bulbs will not cause an annoyance display, but this must be done at the dealer with the new service tool.

## Low Fuel Counter

Upgrade to low fuel count re-setting "0" if the ignition is cycled and the tank has not been re-filled.

Sped up how long it takes for the indicator to come on based on testing done across temperature ranges.

Requirement added that before the low fuel sensor can be looked at; there must be vehicle speed of greater than 3MPH for more than 2 seconds prior to starting the count.

This allows the vehicle to verify that it is upright before looking at the low fuel sensor, which is located on the low side of the tank.