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ELECTRICAL

Topic: Speedo calibration
started by: injun46

Posted by injun46 on Mar. 05 2005,13:05

Courtesy of In The Wind, I recalibrated my speedo after putting on a 34 tooth front sprocket. Worked first time! Mile posts on interstates would work good, just be careful.

USER CALIBRATION

Two steps must be followed to calibrate your speedo:

1) Configure the odometer to count in either miles or kilometers. This step must be done before proceeding with step 2 (unless it's already in the desired configuration).

With the power on, a dot on the display to the upper right of the far-left digit indicates a kilometer configuration. The absence of the dot indicates a miles configuration. If it's already in the proper configuration, skip down to step 2.

ODOMETER CONFIGURATION (to change the odo/trip to either kilometers or miles)

Put the speedometer into User Calibration mode by turning on the vehicle power while pushing and holding the function switch on the front of the speedometer. After a couple of seconds of holding the switch, the display will show *===* BUT DON'T LET GO YET. Hold the switch for an additional seven seconds until the display changes to one of the operation modes (Odo or Trip). The display should now indicate the opposite configuration: if it was miles before, it should now indicate kilometers, and visa-versa.

NOTE: the odometer was not designed to be switched back and forth between miles and kilometers on a regular basis, due to odometer conversion accuracy limitations (see limitation #2).

2) Calibrate the speedometer (which will make accurate xxxxx and odometer readings possible for any vehicle/wheel/transmission combination).

CALIBRATION

A) Drive the vehicle to the starting point of a known 2-mile distance (or 2 kilometers in the kilo mode).

B) Put the speedometer into User Calibration mode by turning off the vehicle power for a few seconds, and then turning it back on while pushing and holding the switch on the front panel. After a couple of seconds of holding the switch, the display will show *===* . Now let go of the switch.

C) Start the vehicle. The speedo display should still show *===*

D) Push the switch again momentarily . It should now show 0----0

E) Drive the vehicle 2 miles (or kilos), keeping your speed to under 35 mph (the speed is not critical to the accuracy of the calibration, unless you're going fast enough to distort the tires). The speedometer is now counting the number of pulses your sender "puts out" in the calibration distance (not how fast you are going).

F) At the end of the 2 mile (or 2 kilo) distance, stop, but don't turn off the power yet. Push the button one more time and the speedometer will calibrate itself and display the number of pulses that were counted during the drive. To get rid of the pulse count number, simply hit the switch one more time.

If the display didn't show a pulse count number, but instead an "Err" message was displayed, you have an "error". This means that either your sender didn't put out enough pulses in two miles (or kilos), or it put out too many (not very likely with most vehicles). If you get this error, retry the calibration procedures, and if it fails again, check your sender and wiring. If you get no error message, but get a pulse count number on the display, the calibration was successful and the speedometer will go into the normal operation mode after pressing the switch one more time.

Posted by injunfrank on Mar. 05 2005,14:12

Thanks injun46 - big help !!!!ride safe, injunfrank

Posted by Canadindian on Mar. 05 2005,14:38

My speedometer reads of the transmission. So, could I change my readings from miles to kilometers depending on whether I am in Canada or the US. and it would read correctly?