

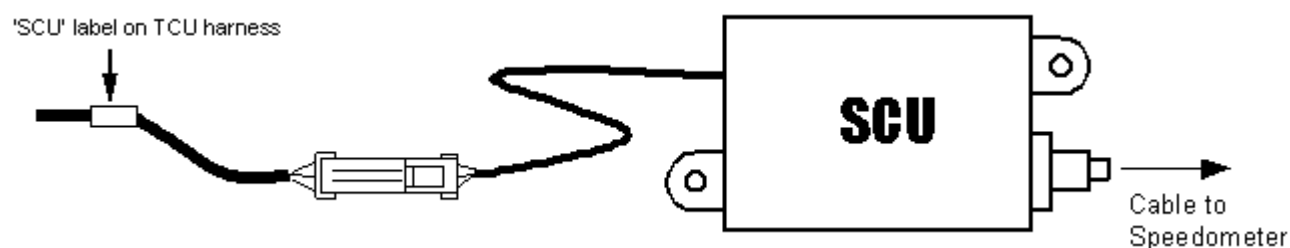
[Return to Instruction Sheet index](#)

TCI® 377300 Speedometer Control Unit

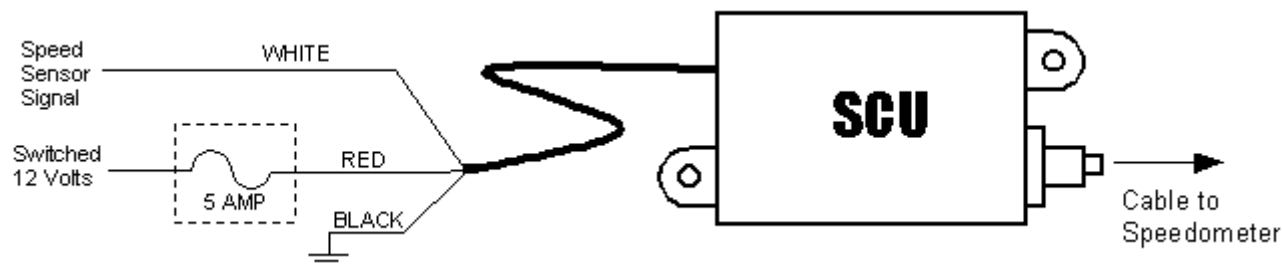
This TCI® Speedometer Control Unit (SCU) is configured for use with the TCI® TCU system. It can however, be used separately from the TCI® TCU system as well.

Note: If you have not already done so, you must purchase the special speedometer cable that is designed for use with the 377300. There are different styles available depending on your application. Contact TCI® or your distributor for details.

Installing SCU with the TCI® TCU system



Installing SCU without the TCI® TCU system



Field Test Procedure

1. Remove power.
2. Remove SCU cover.
3. Set all dip switches to off (open) position as shown below.



4. Apply power. The LED must blink once when power is applied. The circuitry will only go into the self test

mode if switches #1 through #11 are open before the power is applied. Steps 1 through 4 must be executed in the order shown.

5. Sequentially close switches #1 through #11 beginning with #1. The LED will blink once after each switch is closed.
6. After #11 is closed, the speedometer will run for 20 seconds at a speed of 60 MPH. The odometer will advance 0.3 miles.
7. After the speedometer stops, the LED will blink on and off.
8. If all steps listed are completed, then the SCU is functioning properly.
9. You are now ready to calibrate the SCU for your application.

Programming the SCU

The SCU needs to know how many pulses per mile are going to occur in your vehicle. The following formula will yield a number that you will look up on the supplied calibration table. That number will correspond to a series of dip switch settings that will properly calibrate the SCU for your vehicle.

(# of teeth on transmission exciter gear) X (rear axle ratio) X (tire revolutions per mile)

Where:

of teeth on transmission exciter gear = 40 for 4L60E and 4L80E

tire revolutions per mile = 20168 / tire diameter (inches)

EXAMPLE: Transmission exciter gear teeth: 40

Rear axle ratio: 3.55

Tire revs/mile (28" Ø): 720

(40 X 3.55 X 720 = 102,240 pulses per mile)

Use the closest program setting for the pulses per mile. If the pulses are less than 40,920 – use the column where #10 = 0. If the pulses are higher than 40,920 – use the column where #10 = 1.

For our example, the closest number on the calibration table is 102400 which means that switches 1, 3, 4, 5, 6, 7, 8, 9, 11 go in the off position. (Note: 0 means **off** and 1 means **on**.) Switch 12 stays in the off position.



[Back to Top](#)