

169348 - MPH Speedo/ Tach

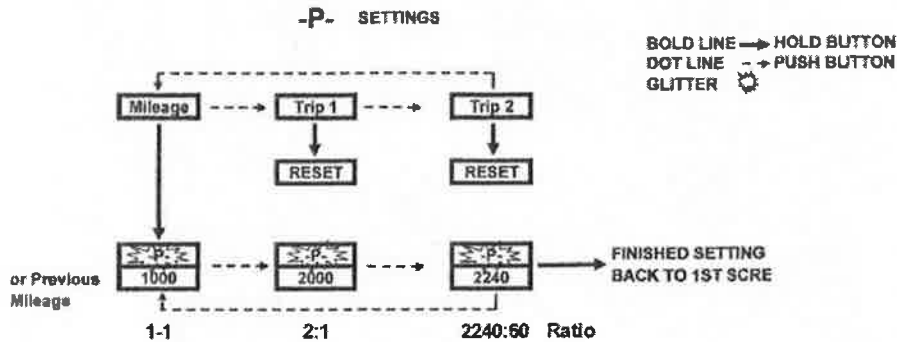
169349 - KPH Speedo / Tach

This is a custom application and rider safety depends on proper installation. This product should only be installed by a knowledgeable and trained motorcycle technician. We accept no responsibility for improper installation.

Installation Instructions:

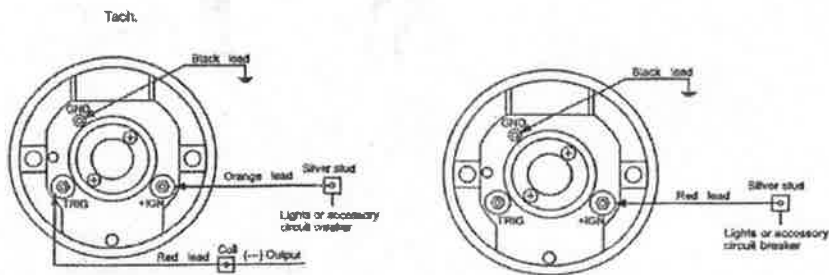
1. Remove dash panel and existing speedometer.
2. Connect the red and black wires supplied to the ignition and ground terminals as shown on the electrical diagram attached. Connect the orange wire supplied to the coil terminal for **169348/349 only**
3. Connect the speedometer cable to the new speedometer and install with the original rubber bushings, pins and retaining rings.
4. Connect the red wire to the ignition switch, the black wire to a suitable ground and the orange wire to the negative side of the ignition coil. Refer to the electrical diagram.
5. Replace the dash panel.
6. Connect the oil pressure indicator wires, the high beam indicator wires, the neutral indicator wires, the right signal indicator wires and the left signal indicator wires as shown on the electrical diagram.
7. Attach the program push button switch to the handlebar using the tie wrap provided.
8. Program the speedometer for the ratio to match the motorcycle ratio as shown on the attached instructions for P settings.
9. Check all the speedometer functions for proper operation.

Programing the Ratio:

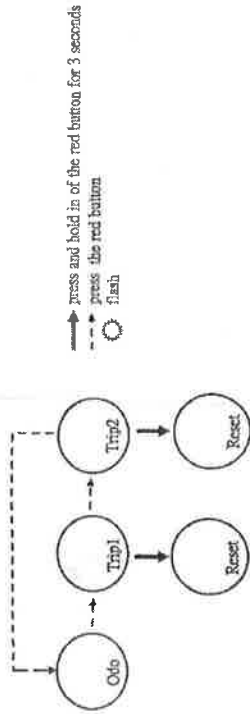


	Red—Engine oil + Positive Red with black strip—Engine oil - Negative
	Blue—high beam + Positive Blue with black strip—high beam - Negative
	Green—Neutral + Positive Green with black strip—Neutral - Negative
	Yellow—Turn signal + Positive (Right side) Yellow with black strip—Turn signal - Negative (Right side)
	Yellow—Turn signal + Positive (Left side) Yellow with black strip—Turn signal - Negative (Left side)

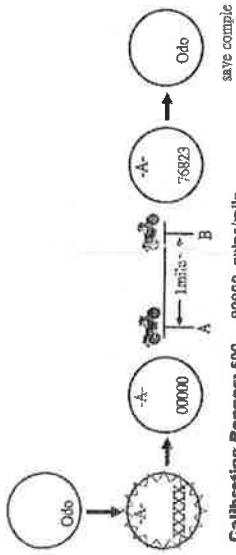
+IGN — +12V GND — Ground TRIG — Tachometer



Installation Instructions



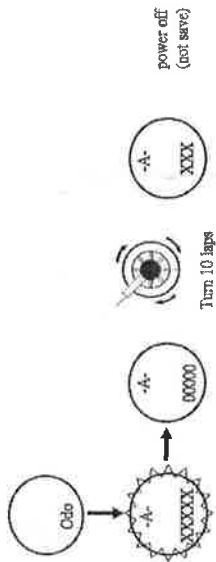
Calibration (By auto)
into -A- mode, driving 1 mile and save the pulse.



Calibration Ranges: 500 — 90000 pulse/mile

Calibration (By manual)

(1) into -A- mode, Rotate the wheel 10 complete revolutions to get the pulse/10 revolutions amount.



(2) Use the following formula

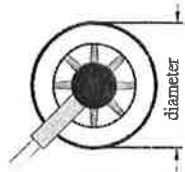
$$\frac{1 \text{ (mile)}}{\text{diameter (mile)} \times 3.14159} \times \frac{\text{XXX}}{10} = \text{Pulse per mile}$$

example

$$\frac{1}{0.000358 \times 3.14159} \times \frac{920}{10}$$

$$\approx 889.13 \times 92$$

$$\approx 81800$$



(3) into -P- mode, input pulse per mile

