

**V-Twin MFG.**  
**Electronic LCD Speedometer and Tachometer installation**  
**VT Part No. 39-0599**

**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. V-Twin Mfg. accepts no responsibility for improper installation.**

This item should be installed by a qualified technician. Knowledge of basic wiring is essential to the successful installation of this product. Refer to the maintenance manual for the wiring diagram of your specific model motorcycle. The wire colors and pin numbers referenced are typical and should always be verified.

Voltage Range: 9-1a V

Calibration Ranges: 500-00,9999 pulses/mile or pulses/km

General Information:

This electronic speedometer utilizes an LCD to display odometer and trip odometer mileage. Momentarily pressing of the "D" button on the dial window toggles the odometer/trip odometer information to be displayed on the LCD. Pressing the button, while in trip mode for more than two seconds will reset the trip odometer. The odometer can not be reset.

Calibration (By Auto):

1. Speedometer and sender must be installed properly and all wires must be connected correctly.
2. To set the speedometer in calibration mode:
  - A. With power to the speedometer OFF, press and hold "D" button.
  - B. While holding the "D" button, turn power ON to the speedometer.
  - C. While the pointer moves to "1" and then down to "00000", release "D" button.
  - D. Drive one-mile (or 1 km) distance and stop.
  - E. Press "D" or "S" button, calibration is completed.

Calibration (By Manual):

1. Speedometer and sender must be installed property and all wires must be connected correctly.
2. To set the speedometer in calibration mode:
  - A. With power to the speedometer OFF, press and hold "D" and "S" buttons.
  - B. While holding the "D" and "S" button, turn power ON to the speedometer.
  - C. While the pointer moves to previous data from "2", release "D" and "S" buttons.
  - D. Press "D" button to change the digital (5 sections).
  - E. Press "S" button to change number (from 0-9).
  - F. Press "D" button, until moving to section 6, the digital stop flushing, then Press "S" button.  
Calibration is completed.

**Note: For calibrating, each step has to be finished within 20 seconds, otherwise calibration mode would be exited and returned to normal operation.**

On 2000 and up models using Deutsch connectors, locate and disconnect the connector from the factory speedometer and the instrument cluster.

Install 2 Deutsch connectors, VT #32-0587 to the wiring on the Speedometer/Tach unit as follows:

**GROUP A Speedometer& Tachometer**

Color	OEM Color	Pin Number
Red + Switch Power	Orange/White	1
Black – Ground	Black	10
Black - Speed sensor Ground	Black	7
Blue - Speed Sensor Input	White	9
Orange - Speed Sensor Power	Red	8
Green - *Tachometer	*Pink wire from Ignition Module Pin 12 or coil	

**GROUP B Instrument Group (2000 and up)**

<b>COLOR</b>	<b>OEM COLOR</b>	<b>Pin Number</b>
Red = Engine Oil+ (Splice to Green)	Orange	6
Green = Neutral + (Splice to Red)	Orange	6
Red with Black stripe =Engine oil -	Green/Yellow	3
Blue = High Beam +	White	2
Blue with Black stripe = High Beam – (splice Yellow with Black stripe)	Black	7
Yellow with Black stripe =Turn - (splice Blue with Black stripe)		7
Green with Black stripe = Neutral -	Tan	5
Yellow = (turn)	Violet Lt	1
Yellow = (turn)	Brown RT	4

**GROUP B Instrument Group (early style)**

<b>COLOR</b>	<b>OEM COLOR</b>	<b>PIN Number</b>
Red = Engine Oil + (Splice to Green)	Orange	9
Green = Neutral + (Splice to Red)	Orange	9
Red with Black stripe = Engine oil -	Green/Yellow	3
Blue = High Beam +	White	2
Blue with Black stripe = High Beam – (splice Yellow with Black stripe)	Black	6
Yellow with Black stripe = Turn -(splice Blue with Black stripe)		6
Green with Black stripe = Neutral -	Tan	7
Yellow = (turn)	Violet Lt	1
Yellow = (turn)	Brown RT	4