

**V-Twin Mfg.**  
**80MM Electric Speedometer, Black Face W/White Graphics w/Odometer**  
**Fits 1995-UP XL, FXST**  
**VT Part No. 39-0789**

**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.**

**Introduction: These instructions describe the procedure for properly installing the VT No. 39-0789 Electronic Mini Speedometer. Review all instructions carefully before beginning, as they contain important information.**

**Caution:** We recommend that all electrical connections be made with solder and covered with heat shrink tube for safety and reliability.

**Note:** These instructions are not for one model specifically. Your motorcycle may differ slightly from what is described in the instructions, but installation should be similar. You will need a wiring schematic for your motorcycle to wire this speedometer correctly.

**Installation Instructions:**

1. Disconnect the battery.
2. Refer to the appropriate factory service manual and remove the OEM speedometer.
3. Mount the new speedometer in the desired location.
4. Locate and route the orange, green and either one of the black wires exiting from the center of the rear of the gauge to the existing OEM speedometer sensor wiring. You may extend or shorten the gauge wires as needed for your application.

**Note:** We strongly suggest that you solder all electrical connections and cover with heat shrink tube, or use OEM style electrical connectors.

5. The OEM speedometer sensor should have three wires, one red, one white, and one black. Connect the wires as follows:
6. Connect the red wire from the speedometer sensor with the orange wire from the speedometer.
7. Connect the black wire from the speedometer sensor to the black wire from the speedometer.
8. Connect the white wire from the speedometer sensor to the green wire from the speedometer.
9. Route the red wire from the speedometer to a switched 12-volt power source that is protected by a fuse.
10. Route the other Black wire from the speedometer to a ground terminal on the chassis or the negative battery terminal.
11. Secure the mode reset button using both the double-sided foam tape and the nylon wire tie. The reset button may be mounted where it is most convenient for the rider.
12. Plug the mode reset switch wire connector into the matching connector from the speedometer.
13. Check all wire routing to make sure that there are no pinched wires and all wires are secured from any moving parts.
14. Reconnect the positive battery cable and check operation of all electrical components before test riding the motorcycle.
15. To operate the mode reset switch: A brief momentary push on the red button will cycle the odometer between the two trip meters and the standard odometer. If the red button is held in, either of the trip meters can be reset to zero. The standard odometer cannot be reset to zero.

**These wires to the main wiring harness**

Red, +12 Volt Ignition  
Black, ground  
Green, lights

**These wires to the speedometer sensor**

Red, +12 Volt Sensor Power  
Black, ground  
Green, signal

