

4/26/2008 :

SPEEDWAY instruments

MicroTach+™ Tachometer Installation Instructions for 1999-2003 Harley Davidson TC88 Motorcycles or Aftermarket ignition with dedicated Tach signal

Introduction:

Installation of the Speedway Instruments microTach+™ tachometer requires some basic mechanical skills, including removing decorative covers, cutting protective tubing around wires, and using suitcase splice connectors to splice existing wiring harness. These actions may void your warranty, and if done incorrectly may cause damage to your motorcycle. Only you know your capabilities, if you do not feel capable of making modification please have a qualified motorcycle technician install it. Speedway Instruments, LLC is not responsible for damage to your motorcycle due to improper installation.

The microTach+™ tachometer designed for 1999-2003 TC88 Harley Davidson motorcycles is designed to operate when connected to a dedicated Tachometer signal from the Electronic Ignition Controller. It is not intended to run off signals going to the ignition coil unless utilizing a Speedway Instruments Tach Adapter.

WARNING: Damage may occur to the microTach+™ tachometer or your motorcycle if microTach+™ tachometer is connected directly to coil signals, you must use a Speedway Instruments tachAdapter (sold seperately)!!

1. Turn ignition off and disconnect Battery.
2. Determine a mounting position. Each motorcycle is unique and the microTach+™ tachometer is small enough to be placed in many different locations to provide an attractive appearance and vital engine status. Possible locations are:
 - a. Front Brake Reservoir



- b. Top handle bar clamp



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3. Locate the Tachometer signal in the wiring harness. This will be located near the Speedometer. If you have a tank mounted console you will need to remove it to locate the signal. On the 2001 FXSTD the signal wire is pink and may be connected to pin 6 of the Speedometer connector. It may also be a separate pin connector. Alternatively it comes out of pin location 12 of the Black connector of the ignition module. Please consult your service manual to ensure proper signal location for your motorcycle.
4. Also locate a Ground wire and an +12V power signal either from the accessory fuse or instruments fuse near the tach signal. Please consult the proper service manual for your motorcycle to determine location and color code.
5. Once the tach signal wire is located plan out a routing path from the microTach+™ tachometer to the tach signal wire. Use the black tubing to protect wires and allow them to blend in well with other wires.
6. Remove red plastic from back of the microTach+™ tachometer adhesive tape and mount the microTach+™ tachometer in place. Take extra care to ensure alignment and fitment before attaching. The adhesive tape is strong and will only stick once. If you mess up, don't worry, the tape can be removed and you can buy replacement tape at your local hardware store. Just remember to get exterior industrial grade tape.
7. Cut black tubing to proper length then slip wires through to protect and improve appearance.
8. Secure wires to other wires or motorcycle where necessary.
9. Cut microTach+™ tachometer wires to proper length ensuring that you have enough slack for installation or normal operation of motorcycle as necessary.
10. Use splice connectors to attach Red wire from microTach+™ tachometer to +12V instrumentation or accessory power. Attach Black wire from microTach+™ tachometer to Ground wire. Attach White wire from microTach+™ tachometer to the Tachometer signal previously identified in Step #3.
11. Test motorcycle and microTach+™ tachometer for proper operation
12. Enjoy your next ride and all that follow! Ride Safe!

MicroTach+™ tachometer Wire Descriptions

Color	Descriptions	Connection
Red	+12V	Instrument power or accessory power
Black	Ground	Black ground wire
White	Tachometer signal	Pink Tachometer signal from Ignition module