



## Baron Tachometer Installation All Models BARON Tachometer

### *Wiring instructions for 7-Color LED Tachs*

Wire Baron's Tach to one of your motorcycle's ignition coils via the following schematic:

- Green wire of tach to NEGATIVE terminal of coil (see FAQ to determine your bike's negative side)
- Black wire of tach to CHASSIS (Ground)
- Red wire to of tach to POSITIVE terminal of coil (or other switched 12 volt source)
- Red wire from control box to POSITIVE terminal of coil (or other switched 12 volt source)
- Black wire from control box to CHASSIS (ground)
- Control box plugs into tach with the 4-way connector
- Button plugs into the control box. Button can be mounted on handlebar or any other convenient place

Single-fire ignitions, such as Honda VTX1800 and others, require Baron Tach Adaptor (BA-7315-50), sold separately:

- Yellow wire of adaptor to NEGATIVE on front coil
- Blue wire of adaptor to NEGATIVE on rear coil
- Green wire of adaptor to green wire of tach
- Red wire of tach to POSITIVE terminal of coil (or other 12-volt source)
- Red wire from control box to POSITIVE terminal of coil (or other switched 12 volt source)
- Black wires of tach and control box to CHASSIS (ground)
- Control box plugs into tach with the 4-way connector
- Button plugs into the control box. Button can be mounted on handlebar or any other convenient place

### *Wiring instructions for Black-Face Tachs*

Wire Baron's Tach to one of your motorcycle's ignition coils via the following schematic:

- Green wire to NEGATIVE terminal of coil (see FAQ to determine your bike's negative side)
- Black wire to CHASSIS (Ground)
- Red wire to POSITIVE terminal of coil (or other switched 12 volt source)
- Blue wire to POSITIVE terminal of coil (or other switched 12 volt source)

Single-fire ignitions, such as Honda VTX1800 and others, require Baron Tach Adaptor (BA-7315-50), sold separately:

- Yellow wire of adaptor to NEGATIVE on front coil
- Blue wire of adaptor to NEGATIVE on rear coil
- Green wire of adaptor to green wire of tach
- Red and blue wires of tach to POSITIVE terminal of coil (or other 12-volt source)
- Black wires of tach and control box to CHASSIS (ground)

### *General mounting instructions*

(1) Mount new Baron Tach on handlebar in your preferred position. Ideal location is between handlebar risers. If mounted off-center, you can rotate tach face back to vertical (or any position you desire) by first loosening tach unit's set screw (found either in handlebar area of housing or underside of housing, depending on tach style), then unscrewing tach housing's bezel, rotating tach, re-installing bezel and retightening set screw. Secure handlebar clamp by first tightening the rear, flat side of clamp all the way down, then tighten tapered front side of clamp until tach does not rotate. There should be a small gap on the pointed side and no gap on the flat side when the clamp is correctly tightened.

(2) Route tach's wire harness lead to coil as necessary for simplest and cleanest installation. Feed tach harness alongside bike's wiring harness (passing behind any plastic frame covers), then downward toward coil.

(3) Make your wire connections as recommended above. Use the spade and piggyback connectors for coil connections. *On some models the supplied connector may need to be trimmed to fit the bike's connectors.* Use the ring terminal for all chassis ground connections.

*If you mount your tach high up on the handlebar, or have tall or pullback risers or wide handlebars, you may need to splice an extra 12 inches of wire to each colored wire lead of your tachometer prior to completing the routing and connection, then trim to appropriate length.*

Our install guides provide a basic outline on the proper installation of our products. Further tuning and/or fitment may be required. Baron bears no responsibility on installation costs associated with this product.

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## FAQ

- **Will this tach work on my motorcycle?**

**YES.** Baron Tachs will work on any Metric bike due to their coil-based hookup. They will also work with Harley-Davidsons that are equipped with single-fire ignition systems if the correct adaptor is used (Baron part # BA-7315-50).

- **Can I hook the tach up to the yellow tach lead from my DYNA 2000 ignition module?**

**NO.** It should only be hooked to the coil as per our instructions.

- **Can the tach be mounted under the handlebars?**

**YES.** If you have enough room to mount under the handlebars, the instrument can be rotated in the housing to correctly orient it for under-bar installation. *Special note for under-bar installations:* Be aware - the chances of water intrusion are greatly increased in this location!

- **How can I tell positive from negative on my coil?**

Most motorcycles will have two wires going to each of the coils, and each coil will share one common-color wire and have one unique color wire. The common-color is the positive and the unique color is the negative. For example, a Yamaha set-up has a red/black on both coils - that is positive. The other coil wire would be orange or gray - that is the negative side. Honda's set-up is blue/yellow and yellow/blue for the negative, and black/white for the positive. Suzuki has orange/white on both coils as positive and has white or black/yellow as the negative side.

- **My bike has two (or four) coils - Which one/ones do I use ?**

Most multi-cylinder bikes have one coil per cylinder. You only need to connect to **one** of the coils - choose the one most convenient for wire routing. (Single-fire motorcycles require a tach adaptor, sold separately, that will combine the signals from two coils)

- **My tach face has fogged up, what do I do?**

Tach fogging can occur when the outside air temp is warmer than the inside of the tach, and humidity is high. Baron tachs feature vent holes in the tach body that are next to the wire exit point in the clamp. It is important that the clamp be tightened so that these holes are open for air exchange. This means the edge of the clamp that faces the rider should be tightened down until it touches and the forward edge of the clamp has a gap for the vents to work properly.

- **How do I replace the light bulb in my tach?**

Remove tach from the handlebars. In the handlebar clamp area of the tach housing there is a set screw - loosen it, then remove the tach housing bezel by unscrewing it from the housing, and slide the tach instrument out of the housing. On the back of the tach unit there is a rubber plug - remove the plug. The bulb is in a holder just under the plug. Rotate holder 1/4 turn to remove, and pull the bulb out. The replacement is a Sylvania 74b (or equivalent) available at most auto parts stores.

The 7-color tachometers have an LED that is not replaceable, but LEDs typically last a very long time and you should never have to replace it.