COBRA®

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Items Supplied >

1 – Tachometer w/Mount
3 – Connector, quick slide
3 – Wire ties

Application(s) >

HARLEY DAVIDSON SOFTAIL

Instruction Manual >

Read your installation instructions completely before beginning. This tachometer can be installed using common tools. It is recommended however, that a qualified mechanic or technician install this product.

NOTE: The Cobra tachometer is designed to work with a stock, single fire, ignition system. If you have installed an aftermarket ignition system / module the tachometer may indicate double the actual RPM.

1. Your tachometer comes with everything you need to mount and wire it to your motorcycle.

2. Remove the four mounting screws from the handlebar clamp, making sure the handlebar doesn't move. Remove the clamp.

3. Align the holes in the tachometer mount with the holes in the handlebar risers, insert and tighten the screws removed in Step 2 to factory specifications.

4. Remove the nut that attaches the instrument housing to the gas tank and lift the housing up, be careful not to scratch the tank.

5. For Softail Models up to 2006, route the tachometer wires to the housing and attach the tachometer Blue and Red wire to the Orange w/White wire, located at the speedometer connector at pin position 1, with the supplied quick slide connector, this will serve as the power connection for the tachometer. Attach the black tachometer wire to the Black motorcycle wire, located at the speedometer connector at pin position 10, with the supplied quick slide connector, this will serve as the ground connection. Reattach the housing to the gas tank with the nut removed in step 4 being careful not to pinch any wires. Refer to the schematic below for further wire color orientation.

2006 AND OLDER WIRE ORIENTATION		
Motorcycle:	**Connection Type:**	**Tachometer:**
BLUE / RED	COIL	GREEN
ORANGE / WHITE	POWER + 12 V	BLUE AND RED
BLACK	GROUND –12 V	BLACK

Remove the screw from the back of the gas tank. Remove the nut, bolt and washer from the front of the gas tank. Carefully lift the gas tank up only enough to expose the wire loom under the tank. Route the green tachometer wire with the wiring loom using the supplied zip ties. Connect the green tachometer wire to the Blue w/Red coil wire (the coil is located under the chrome cover that is in front of the rider seat on the left side of the motorcycle), refer to Schematic for further wire color orientation.

* Cobra® recommends you always wear a helmet while riding. Please never operate your motorcycle while under the influence of alcohol and/or drugs. Enjoy the new look of your motorcycle and please ride safely.

RIDE LOUD ™

6. For Softail Models 2007 and newer, route the tachometer wires to the housing and attach the tachometer Blue and Red wire to the Orange w/White wire, located at the speedometer connector at pin position 6 with the supplied quick slide connector, this will serve as the power connection for the tachometer. Attach the black tachometer wire to the Black/Green motorcycle wire located at the speedometer connector at pin position 7, with the supplied quick slide connector, this will serve as the ground connection. Reattach the housing to the gas tank with the nut removed in Step 4 being careful not to pinch any wires. Refer to the schematic below for further wire color orientation.

2007 AND NEWER WIRE ORIENTATION		
Motorcycle:	**Connection Type:**	**Tachometer:**
BLUE / RED	COIL	GREEN
ORANGE / WHITE	POWER +12V	BLUE AND RED
BLACK/GREEN	GROUND – 12 V	BLACK

Remove the screw from the back of the gas tank. Remove the nut, bolt and washer from the front of the gas tank. Carefully lift the gas tank up only enough to expose the wire loom under the tank. Route the green tachometer wire with the wiring loom using the supplied zip ties. Connect the green tachometer wire to the Blue w/Red coil wire (the coil is located under the chrome cover that is in front of the rider seat on the left side of the motorcycle), refer to the 2007 Schematic for further wire color orientation.

7. Reattach the gas tank with the bolts and screws removed in steps 5 and 6 for each corresponding model year of motorcycle.

TROUBLE SHOOTING GUIDE:
If the tachometer does not indicate any RPM with the engine running check the following:

- Make sure the quick slide connectors are making good contact with the wire.
- Make sure the tachometers' wires are connected per the schematic.