



**AVON HEATED GRIP KIT  
INSTALLATION INSTRUCTIONS  
FLY-BY-WIRE THROTTLE SLEEVE GRIPS**

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AVONGRIPS.COM**

This Avon – Harley Davidson Heated Grip Kit is designed to fit most Harley Davidson models using Electronic throttle. The heated grips are installed as replacements for the clutch and throttle side grips. The 2 level rocker style controller is mounted on the left side handlebar clutch perch.

**WARRANTY AND DAMAGE:** This product has a 1 (one) year Limited Warranty. The warranty does not cover misuse of this product or operation outside of the design specifications. **Avon Grips WILL NOT be responsible for damages made to products that are not installed properly.** *Avon Grips products have recommended installation instructions that are written to provide proper guidelines for product installations. Warranties WILL NOT be honored on broken or damaged electronics due to shorting or pinched wires.*

**Components:** The Avon Harley Davidson Heated Grip Kit includes the heated grips, a 2 level temperature controller switch that mounts in place of the clutch side perch clamp, electrical wires, connectors, and a controller.

### **Installation**

1. Remove the seat according to the service-manual instructions.
2. Disconnect the battery, negative cable first, according to the service-manual instructions.
3. Remove the throttle and clutch side grips according to the service-manual instructions.
4. The new 2 level Controller will replace the perch clamp that secures the clutch lever bracket to the handlebar.
5. With an Allen or Torx Wrench, remove the perch clamp that holds the clutch lever bracket to the handlebar, but hold the bracket against the bar where it was mounted.
6. Attach the Controller to the clutch bracket/perch assembly while running the wires inside and down the bars to the hole opening at the bar risers. Leave 1" of slack for the controller. You may need a pull wire to accomplish this. (If your Harley bars came with a "V" in the bar, the controller wires should follow the "V" to the hole in the bar. If your bars have no hole or "V", then you must drill a 3/8" hole, see note 1.
7. Clean the handlebar of old tape or glue where the old grips were mounted.
8. Follow your service manual instructions for removal of the electronic throttle sensor. Keep in mind that the electronic throttle sensor must be completely removed from the inside of the bars, so attach a Pull-Wire to the end of the wires in the fairing before you pull the throttle sensor wires through. Using 2 hole connectors, provided, connect the black and red extension wire, provided, to the black and red wires from the center of the electronic throttle sensor. Tape all wires from the electronic throttle sensor together and pull back through the bar until electronic throttle sensor is seated back in place. Remove seal cap from end of the electronic throttle. See note 2, & fig 1.
9. Throttle grip installation: Remove reverse threaded end cap from grip. Carefully pull plug out from inside of grip end. Install grip over handlebar until gears connect. Carefully plug in two prong heater wire plug to electronic throttle (where seal cap was removed). Follow service manual instructions to correctly install throttle side grip. Using a small amount of silicone sealant on the reverse threads of the grip end, screw the cap on finger tight, \*do not over tighten as threads may strip.
10. Pull the clutch side grip heater wires through the bar, down to the hole at the risers, **leaving the grip off the bar and approx. 4" of wire slack at the grip end.** You may need a Pull-Wire for this step.
11. Either in the fairing or under the gas tank using a 2 hole connector, connect the fused red wire from the AHG module (Per. Fig 1) to a accessory circuit wire in the wiring harness. Typically orange & white that has NO POWER when the key is off. (See your service manual for additional information). Using a 2 hole connector connect the small black to ground. Using a 2 hole connector connect the small red fused wire to the orange & white accessory circuit wire. 2 hole connectors provided.
12. Next, connect the two black wires, one from the clutch side grip heater, one from the electronic throttle sensor. Using 3 hole connector (provided) to the large black wire in the heat shrink on AHG Module Fig 1. Next, connect the two red wires, one from the clutch grip heater, one from the electronic throttle sensor to the large red wire in the heat shrink on the AHG Module Fig. 1. The wires from AHG Module to electronic throttle sensor may need to be extended (provided).