ASSEMBLY INSTRUCTIONS



IMPORTANT NOTICE

Before installing this grip set, read through these instructions completely; this will familiarize you with the way in which the parts fit together and the tools needed to complete the job.

The PM grip set involves alterations to your motorcycle and may void your factory warranty. PM STRONGLY recommends this installation be done by an experienced motorcycle mechanic.

DISCLAIMER

These Performance Machine parts are designed for high performance motorcycle applications and are intended for the very experienced rider only. The installation of these Performance Machine parts may adversely effect or void your factory warranty.

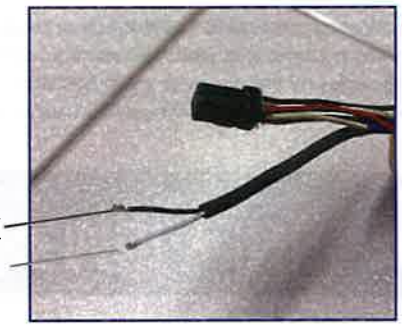
1. Turn off your motorcycle, disconnect the battery, and place securely on a lift or motorcycle jack.
2. Remove the throttle and clutch side grips according to the service-manual instructions.
3. Remove the perch clamp that holds the clutch lever to the handlebar.
4. Attach the PM perch clamp while routing the wires inside and down the handlebars to the hole opening at the bottom. If your handlebars do not have a hole, then you must drill a 3/8" hole. Torque mounting bolts to 60-80 in-lbs.



5. Clean off any old glue or tape where the old grips were.

THROTTLE BY WIRE INSTALL

6. Remove the electric throttle sensor according to the service-manual instructions. Use the two hole connector that is provided and connect the black and red extension wires that are provided to the black and white wires from the end of the electronic throttle sensor. Tape all wires together and route back through the bar until the electronic throttle sensor is back in place. Then, remove the seal cap from the end of the electronic throttle.





PERFORMANCE MACHINE LIMITED WARRANTY INFORMATION

Performance Machine warrants to the original purchaser that the parts of this grip set to be free of manufacturing defects in materials and workmanship for a period of one (1) year from the date of purchase. In the event warranty service is required, you must call Performance Machine immediately with a description of the problem.

If it is deemed necessary for Performance Machine to make an evaluation to determine whether the part is defective, a return authorization number will be given by Performance Machine. The parts must be packaged properly so as to not cause further damage and returned prepaid to Performance Machine with a copy of the original invoice of purchase and a detailed letter outlining the nature of the problem. If after evaluation by Performance Machine the part was found to be defective it will be repaired or replaced at no cost to you. If we replace it, we may replace it with a reconditioned one of the same design.

Performance Machine shall not be held liable for any consequential or incidental damages resulting from the failure of a Performance Machine part.

Performance Machine shall have no obligation if a part becomes defective as a result of improper installation or abuse.

7. For installing the throttle grip, remove the reversed threaded end cap from the grip and carefully pull out the plug from inside the grip. Install the grip on to the handlebar until the gears connect. Carefully plug in the two prong heater wire plug to the electronic throttle. Apply a small amount of silicone sealant on the reverse threads of the grip and screw the cap on finger tight.

NOTE: Threads are reversed. DO NOT over tighten or thread incorrectly as the threads may strip.



CABLE THROTTLE INSTALL

8. Feed wiring cable through from bar end to center of bar.
9. Slide PM throttle grip on to the handle bar and insert throttle cable ends into the grip.
10. Position the upper and lower switch housings on the handle bar. Tighten the two screws to factory torque specs. Make sure the throttle works smoothly. You may need to adjust the brake lever mount location.
11. Adjust your throttle cables. Consult your factory HD service manual for instructions.

CLUTCH SIDE

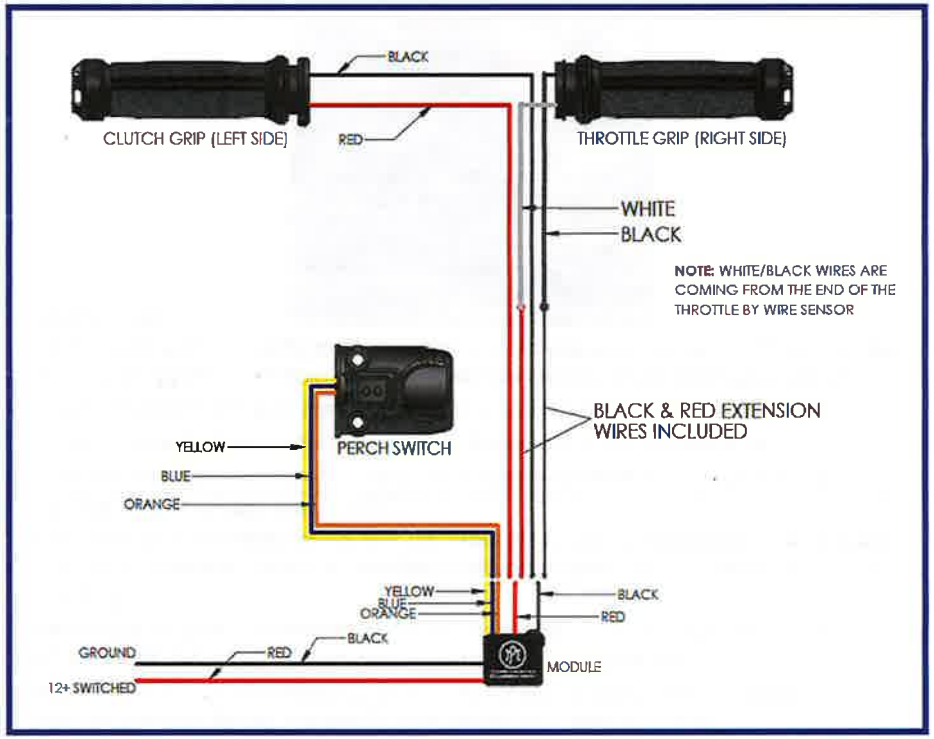
12. For installing the clutch side grip, pull the wires through the handlebar to the bottom hole. Be sure to leave the grip off and about 4 inches of slack.



13. In the fairing or under the gas tank, use a two hole connector and connect the fused red wire from the module to an accessory circuit wire in the wiring harness - typically orange and white. Then use a two hole connector and connect the small black to ground. Use another two hole connector and connect the small red fused wire to the orange and white accessory circuit wire.

14. Connect the two black wires, one from the clutch side grip and one from the electronic throttle sensor to the large black wire from the module using the three hole connector provided. Then connect the two red wires, one from the clutch side grip and one from the electronic throttle sensor to the large red wire from the module. The wires from the module to the electronic throttle sensor may need to be extended with wires provided.

15. Connect the yellow wire from the power switch to the yellow wire from the module using a two hole connector. Do the same for the blue and orange wires.



16. Install the clutch side grip according to the service manual.
17. Reconnect the battery by connecting the positive cable first. Test that everything works properly. Turn on the accessory switch and confirm that the module is wired correctly and the grips heat up. The grips should not heat up or come on unless the key is on.
18. Install the seat according to the service manual and go for a ride!