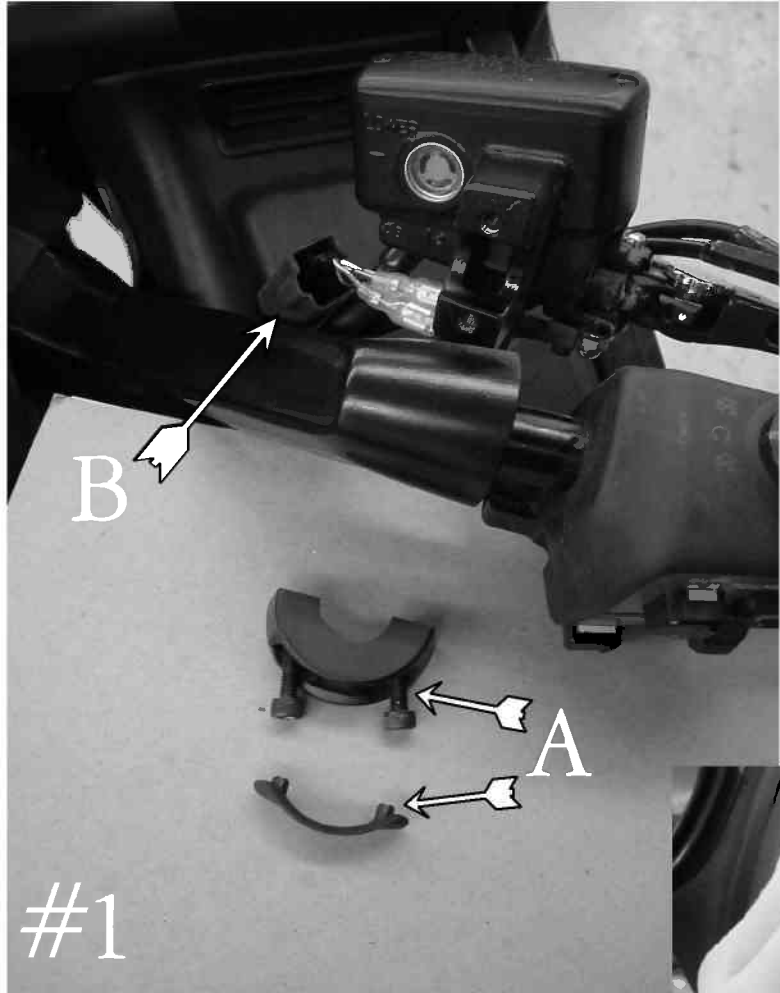


GL1800 ILLUMINATED HANDLE BAR CONTROLS INSTALLATION INSTRUCTIONS

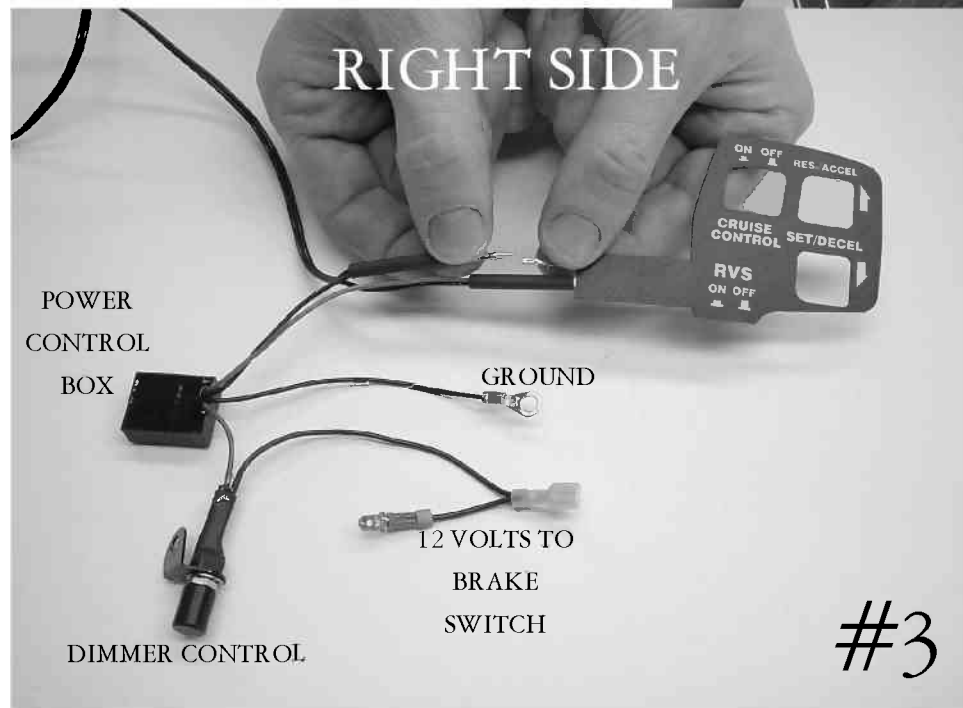
1. Remove all parts from the kit and lay them out in front of you. Familiarize yourself with the components of the wire harness and the lamps as shown in photo #3 and #6. Also included but not shown are 6 pieces of black heat shrink tubing and a Phillips screw.
2. Beginning with the right side lamp, attach the lamps to the wiring harness as follows. See photo #3. Slide 2 pieces of heat shrink tubing over the blue and black wires from the power control box. NOTE; Squeezing the tubing to make it oval shaped will enable it to slide over the wires easier. Use extreme care and support both ends of the metal connectors with your fingers as shown, bending or kinking the metal connectors or lamp ends can cause them to break. Plug the wires into the lamp. Next carefully slide the tubing over the connection as far as possible. Shrink the tubing using a heat gun or hair dryer. Be sure tubing is shrunk completely making a good seal around the wires and lamp. **NOTE: To prevent excessive heat from melting the ends of the lamp place a piece of heavy paper or cardboard in front of the lamp up next to the shrink tubing to protect the lamp.**
3. On the other end of the wire harness slide the 4 pcs. of heat shrink tubing provided over the wires and attach as shown in photo #6 so that the gold pins with 2 wires go to one lamp and the gold pins with 1 wire go to the other lamp. Slide the tubing over the connections as far as possible and again carefully heat shrink the tubing.
4. Remove the master cylinder bolt cap, bolts and clamp on right side as shown in photo #1A. Pull back rubber boot as shown in photo #1B. Remove cap, bolts and clamp on left master cylinder.
5. Remove the upper screws from the wire covers on the bottom side of the handlebars (see photo #4C). Loosen the 2 lower screws 4-5 turns. NOTE: opening the fairing compartments makes it easier to get at the lower screw.
6. Install the wire harness and lamp assembly as follows. Starting on the right side pull the wires going into the bottom of the right switch housing down far enough to slide the right lamp between the handle bar and wires starting in front of the bars so as to have the lamp at the rear or face of the switch housing and the wire harness at the front of the housing. (away from the rider).
7. Route the opposite end of the harness with the 2 left side clamps under the plastic cover and across from the right side of the steering head as shown in Photo #5 to the left side. Route the wires out at the same spot on the left side. NOTE: you can lift the plastic fork covers to help route the wires under them.
8. See Photo #4D. Remove the white wire with green stripe from the brake master cylinder switch. Attach the remaining jumper wire from the lamp harness to this end. Re-attach the white/green wire to the short jumper wire. Slide the rubber boot back over the switch. Test the lampset by temporarily installing the ground wire (bare ring terminal) as shown in photo #4C, using the screw removed earlier. Turn the ignition on, rotate the dimmer knob clockwise all the way. You should be able to see all 3 lamps light up. (it may be necessary to cup your hands around the lamps on bright sunlight) When the test is complete remove the ground wire.
9. Hold the lamps over the switches where they will be attached. Wrap the tail with wire terminals around the housings noting where they route. Clean these surfaces that the lights will be in contact with using rubbing alcohol to ensure good adhesion. **THESE SURFACES MUST BE FREE OF ALL DIRT, OIL, DEBRIS, ETC.**
10. Use a hair dryer to warm the switch housings and lamps one at a time. Starting with the right side. Warm to approximately 120 degrees, warm to the touch but not too hot to hold.
11. Peel the adhesive backing and carefully apply lamp as shown in photo #2, over the switch, wrap the tail around the switch housing and rub firmly in place to ensure good adhesion. Repeat with other two lamps on the left.
12. On the right side route the wire with the other existing wires down along the bottom side of the handlebars and tighten the lower screw. Attach the ground wire to the upper screw, photo #4C, and tighten the upper screw. **NOTE: Be careful not to pinch or cut any of the wiring when tightening the covers. This is very easy to do as there is a lot of wiring enclosed here and the covers have a sharp raised edge!**
13. Peel the adhesive backing on the power box and install as shown in photo #4A. Using the screw provided, install the dimmer switch as shown in photo #4B, into the existing hole in the bottom of the switch housing using the phillips screw provided.
14. Under the left handlebar, route the wire along with the stock wires up under the handle bars. Replace the wire cover and screw removed in step 5 and tighten the lower screw. **Again be careful not to pinch or cut the wires.**
15. Re-install the master cylinders on both sides taking care not to strain or pinch any of the wires.



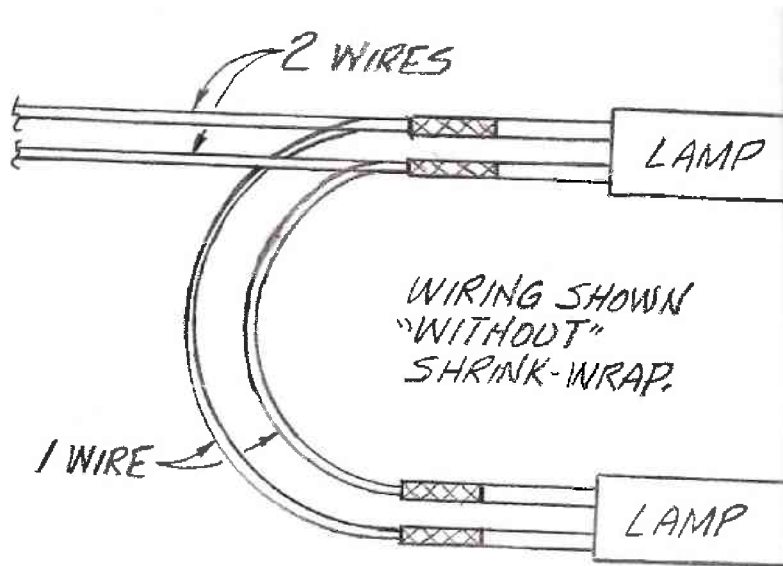
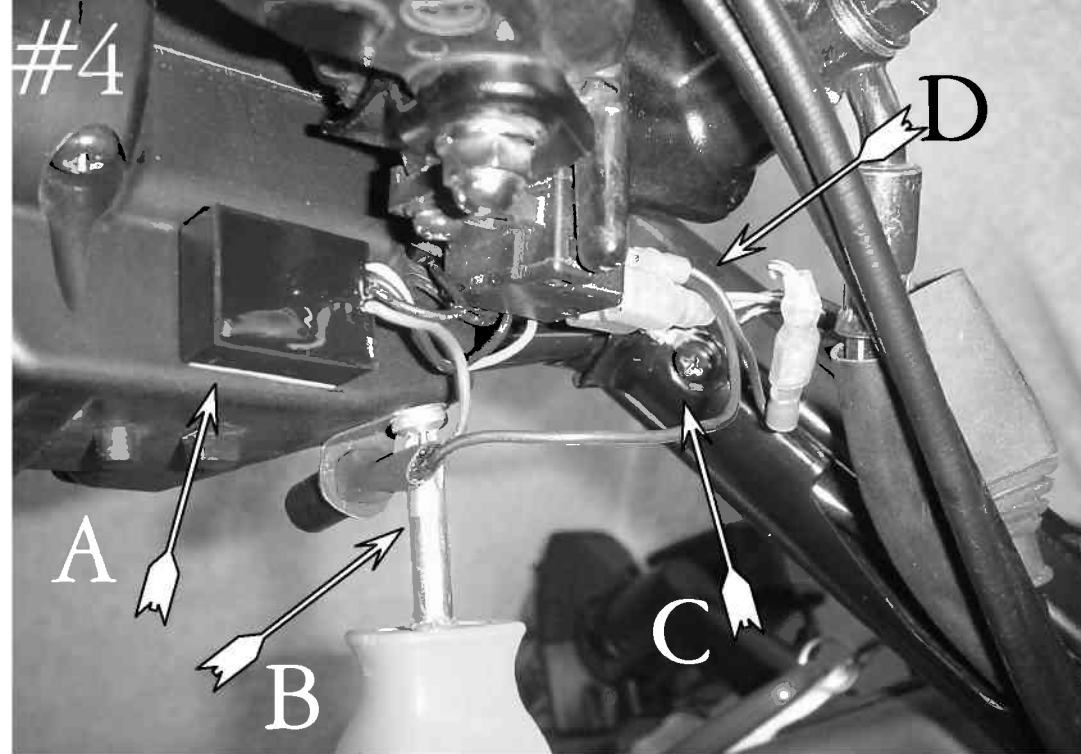
#1



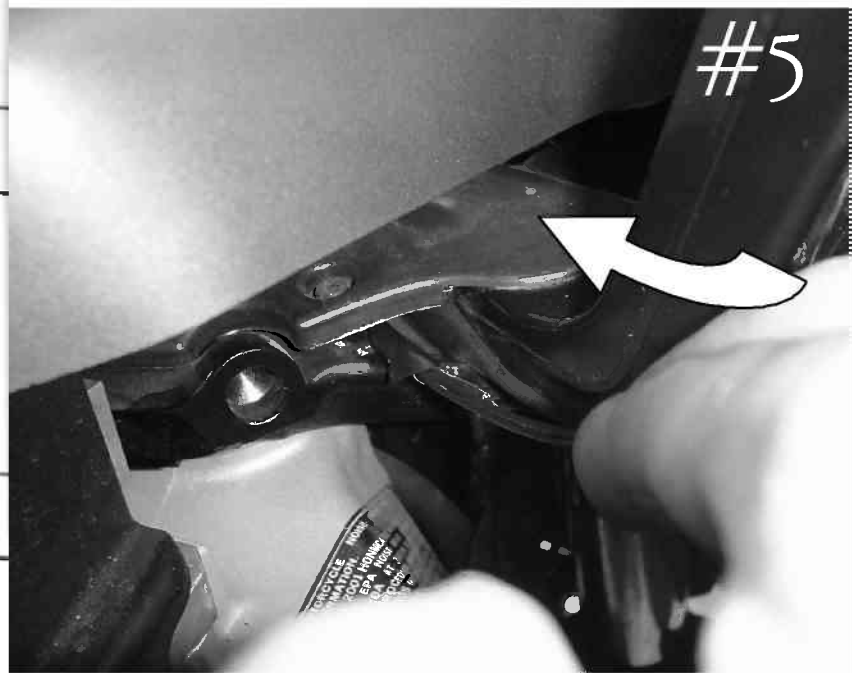
#2



#3



REF TO #6



LEFT SIDE

