

Disconnect your battery before installation!

FL3 FLASHER RELAY CONNECTIONS

oem 49 is power from ignition- **green w black**

oem 49a feeds the turn signal switch that sends power to the 2 left or 2 right lamps = **green w yellow (L= Load)**

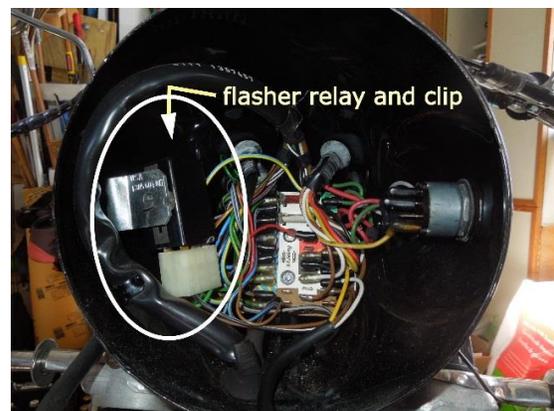
oem C goes to the instrument pod- **black w white** = P (pilot)

oem 31 is ground- **brown** = no pin on substitute relays, not required on 3 pin

NOTE: This is an electronic flasher, and does not make any sound when activated. So there's no clicking noise when it's on. (Not that you can even hear the noise when the bike is running and you have a helmet on.)

Installation of the flasher relay in your headlight bucket: (/6 shown, others similar)

1. Disconnect your battery negative lead, and fold a thick towel or blanket over your front fender to rest the headlight on when removed.
2. Access your headlight assembly as required by removing any fairings or covers as necessary.
3. Carefully pull the headlight assembly straight out. Carefully rest the headlight on the padding you have built up for it on the front fender. DO NOT HANG THE HEADLIGHT BY THE WIRES. If it won't rest on the padding, then go ahead and disconnect the electrical connector, and set the headlight carefully to the side.
4. Locate the flasher relay, which is clipped to a bracket on the left side as you look into the headlight bucket:



5. To unclip the oem flasher relay, simply slide it up until the clip at the center pops out of the hole in the middle of the mounting bracket.
6. Your flasher relay may or may not have the white plastic connector at the bottom. This is a connector plug that has the 4 spade connectors clipped into it. It will not fit the new flasher relay, so you need to remove the spade connectors from the plug frame. To do this, you insert a small screwdriver or pick into the spade end of the connector, on the side of each spade is a small release catch. Push it in and the spade connector will pull right out of the connector plug.



7. Now you can connect the existing flasher relay wire connectors to the new red flasher relay. The connections and colors are noted at the top of the instructions. I also put a short piece of heat shrink tubing over each connector prior to installing it on the replacement relay to protect from shorting. I've included 4 pieces of heat shrink tubing in my relay install pack. (red or green shrink tube for power: green w black wire// yellow w/green shrink for load: green with yellow wire// black for the P terminal: black with white wire // clear or black for ground; the brown wire)[shrink wrap colors may vary] Install the heat shrink over the connectors themselves and try and heat them outside the headlight bucket with a hair dryer or heat gun. They won't shrink tight to the wires, but they will protect the connectors.
8. After you have the 3 wires plugged into the proper terminals, you can bolt the new relay onto the original bracket as shown. Be sure to rotate the flasher down as near to vertical as possible as shown:



The flasher relay and connections need to be out of the way of the rear of the headlight assembly.

9. There is no connection at the new electronic relay for a ground (brown) wire. I simply put a bit of black heat shrink over the end, (included) then used a tiny zip tie to loosely anchor it to the headlight wire harness, so it wouldn't bounce around lose in the headlight bucket. I also noted what it was with a bit of blue painters tape.
10. Check to make sure all the wires are tucked out of the way, and will be clear of the back of the headlight. Now is also a good time to rotate your fuses in their clips and make sure that those connections are clean, while you're in the headlight bucket.
11. Slip your main battery connector over the mounting terminal at the battery- no need to tighten it on- and just do a quick check of your connections by turning on your ignition, and trying the turn signal switch to verify correct operation. Do not start the bike! Disconnect the battery cable again.
12. Reinstall your headlight as required.
13. Reinstall any trim surrounds or fairings.
14. Reconnect your negative battery cable.
15. That's it! You should be good for another 20 years of flasher relay action.