

RON FRANCIS
Wiring

HL-16

**SYNERGY
SERIES**

**Push/Pull
Head Light Switch
with High Beam**

Switch with matching Knob,
Bezel & Accent Rings

NOTE: This is a four position head light switch. When the knob is completely pushed in the switch is off. Pull the knob out one position, the park & tail lights are on. Pull the knob out another position and the low beams and tail lights are on. Pull the knob all the way out and the tail light and high beams are on.

Switch Installation: It is important to choose the location for the switch **MAKING SURE** to allow room for the terminals and wires to attach to the switch. Check the surrounding back side dash mounting area to be sure the wire connection points **WILL NOT** come in contact with a ground source causing a short. Remove the knob and unscrew the mounting nut. Drill a 3/8 hole to mount the switch in your desired location. Install the mounting nut and tighten securely.

Wiring Instructions: Before attaching any wires to the switch take note that three of the connection points on the switch are **VERY CLOSE** together. After connecting wires to these points make sure they do not touch each other or a defective switch will be simulated. The head light switch itself **IS NOT** internally fused therefor an external fuse must be added to protect this circuit. We recommend a 25 amp automatic reset circuit breaker be used.

The photo of the head light switch notes the connection points on the switch. Using the text and drawing wire the switch as follows:

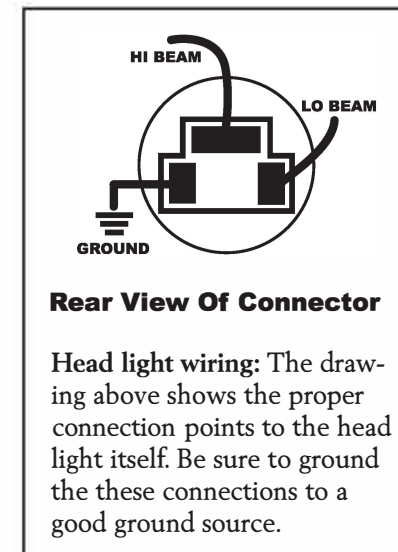
The battery feed: is a 12 volt, hot all the time input. Run a 12 gauge wire from a fused source to feed

power to this connection. **NOTE:** If you are connecting this to our wiring, this will be the larger gauge red wire. Again, this must be fused. Since our normal GM type headlight switch has 2 hot leads, the second red wire in our wiring kit won't be used with this switch.

Parking Light Feed: is hot with the switch in the park/tail light position and turns "off" with the switch in the head light low or high position. Using 18 gauge wire connect both front parking light wires to this terminal if you desire the parking lights to be turned off when the head lights are on. This will be 2 tan wires in our kit marked for the front parking lights. *[Keeping the parking lights on with the headlights: If you would like these lights to remain on with the head lights, connect these wires along with the tail light wires as noted in the next paragraph.]*

Tail light Feed: runs from the switch to both rear tail lights using 18 gauge wire. This wire has 12 volts with the head light switch in the park/tail, low and high beam light position. This will be the 2 tan wires in our kit marked for the tail lights.

Low Beams: runs from the head light switch to the low beam terminal on both head lights using 14 gauge wire. This wire will have 12 volts when the head light knob is pulled out to the third position. This will be the red wire in our kit.



High Beams: runs from the head light switch to the high beam terminal on both head lights using 14 gauge wire. This wire will have 12 volts when the head light knob is pulled all the way out. This will be the brown wire in our kit.