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REF: Electrical System

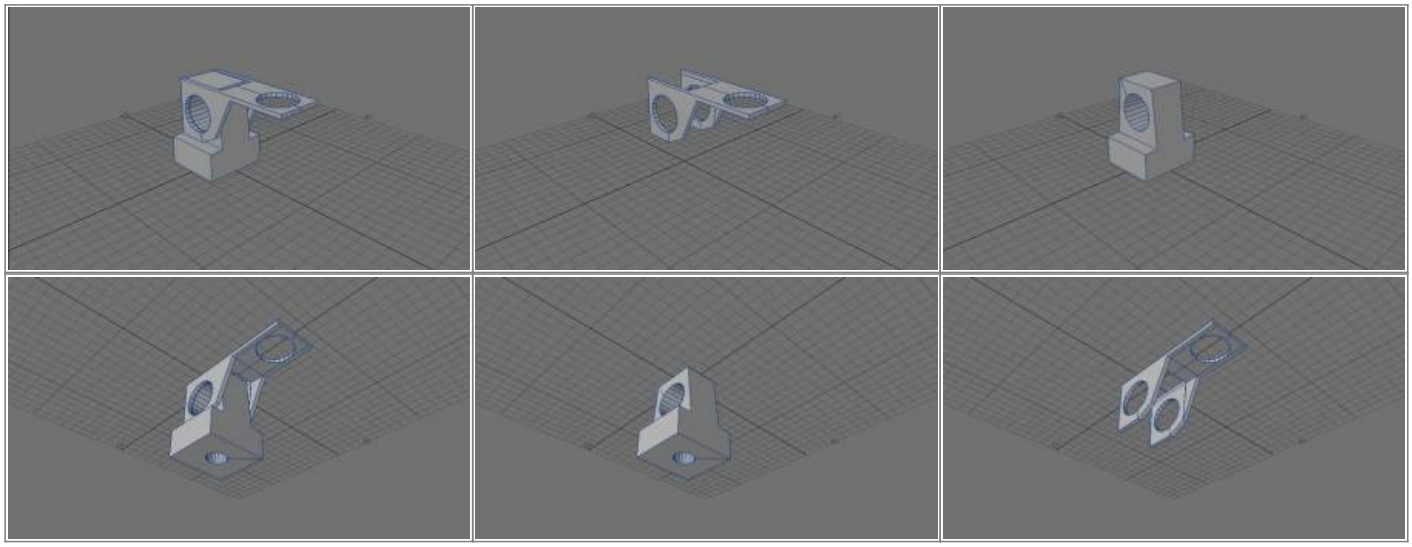
Lights - Headlights - Bulbs, Mods, Relocating

Relocating the stock headlight to the lower tree.

The stock headlight is flipped upside down and bolted to the lower tree from the bottom using the existing housing mounting notch.
A new hole was drilled in the (now) back for the wires to exit. [1)]
The front wheel was removed to drill a 1/4“ hole in the lower tree.

The bottom of the mount was tapped for a 1/4” bolt to run through the tree.
The bolt going through both mount halves is 1/2“.
The spacer between the mount and the tree is made from scrap material. [2)]

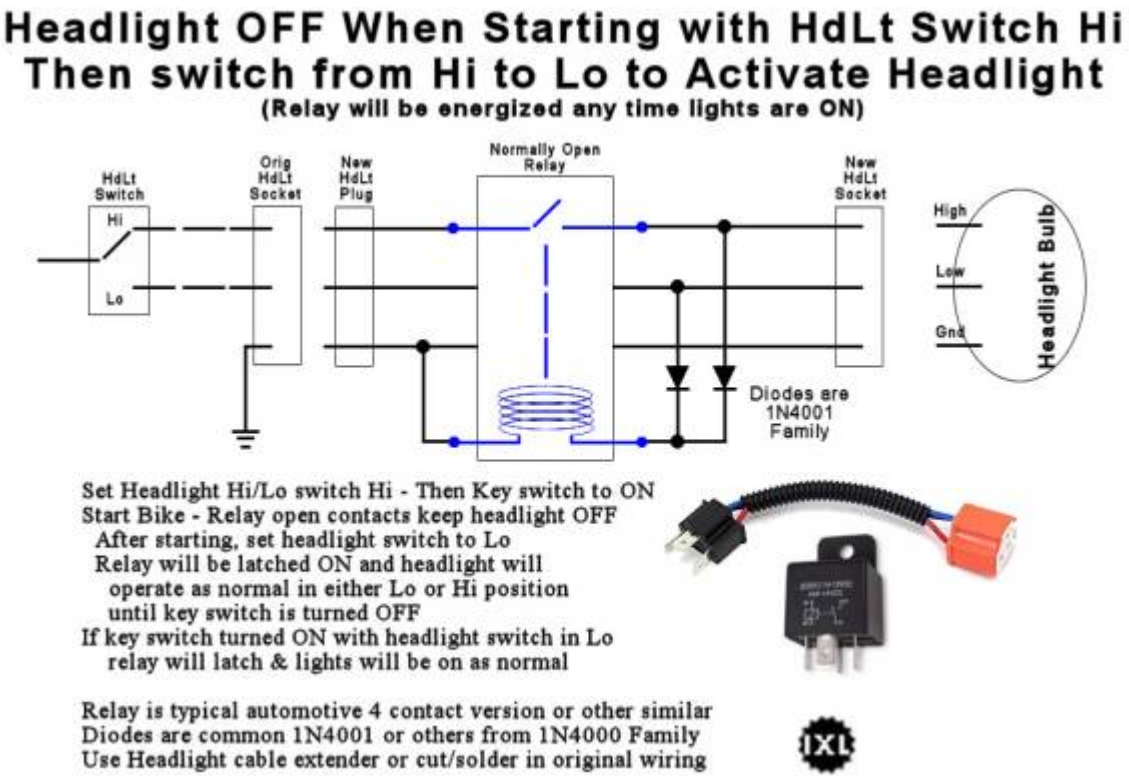
The 2 piece mounts were welded together with a mig welder using flux core wire.
Here are some drawings of the mounting bracket (dimensions not to scale). [3)]



Headlight OFF When Starting

Here's a scheme for keeping the headlight off while you start your bike. You must have the headlight switch on HiBeam when you turn the keyswitch ON. Then you start the bike. Once started, you turn your headlight switch to LoBeam & the lights will not operate as normal, until you turn off the keyswitch.

The circuit uses commonly available parts - Relay, diodes & headlight extension harness. The circuit keeps power off the relay (contacts to the HiBeam open) until you switch to LoBeam. The only concern is that the relay operates all the time when the headlights are ON.



4)

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1) , 2) , 3)

photos by vwclogan of the XLFORUM
https://www.xlforum.net/forum/sportster-motorcycle-forum/sportster-motorcycle-general-discussion-and-problems/112669-stock-headlight-mod-relocation/page2?t=1067978&page=2

4)

Thanks to Bluto for the link in this XLF thread:https://www.xlforum.net/forum/sportster-motorcycle-forum/sportster-motorcycle-electrical/sportster-motorcycle-lighting/203773-headlight-off-switch?t=2081063

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