Headlight relay conversion

Older cars rely on the headlight switch in your dash to feed the headlights and often time you do not get a full 12 volts to the headlights resulting in dim or pulsing lights. To get the best possible visibility from your existing system without upgrading to HID lights you can add relays into the wiring to get a full 12 volts direct from the battery to feed you lights.
You will have to cut a couple factory wires but it can easily be converted back if you ever need to in the future. Below is the process to add relays.
Materials List
2 - 12 Volt Relays with pigtail connector
14 Ga wire (Length depends on application)
Soldering gun, flux and solder (You can use crimp connectors also)
Electrical tape and screws to mount relays

1 - Unplug 3 prong headlight plugs and test to find low and high beam wires, write down which is which
2 - Find a convenient spot to cut the low and high beam wire coming from main wiring harness, typically a couple inches away from the headlight itself.
3 - Solder 14 ga wire to existing harness long enough to feed new relays (Mount relays somewhere close to battery) and send new low and high beam wires from factory harness to posts86 on the 2 relays (one for low beam the other high beam)
4 - Make wire from hot side of starter solenoid or battery positive terminal and feed post 30 on both relays. You can add an inline 20 amp fuse to protect the circuit
5 - Make ground wires to ground both relays to clean chassis ground using post 85 on both relays
6 - Post 87 on the relay now become the new wire to power your headlights. Hook up this wire to the pigtail at the headlight making sure to use one relay for the low beam and the other for the high beam.
7 - Tape up all connections and you are good to go. If you ever need to go back to factory settings all you have to do is join the 2 wires you cut in the main harness. SIMPLE