

Bypass High or Low Beam

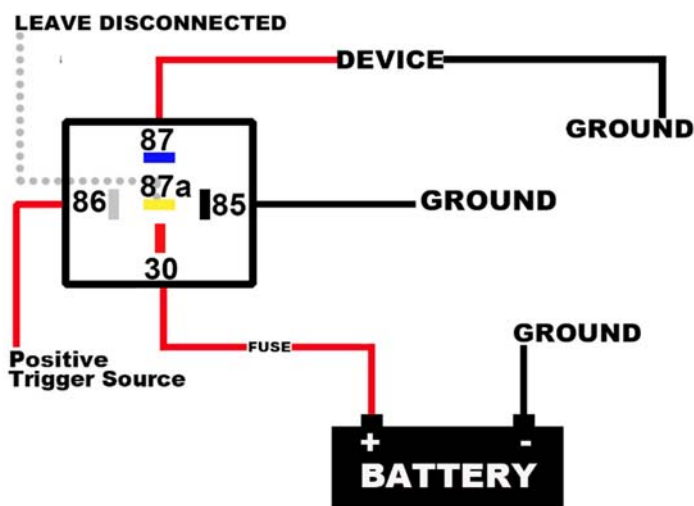
(Use in conjunction with Grote Snowplow lamps)

Some vehicles (Such as International) has limited current drawing capacity on either High Beam (HB) or Low Beam (LB) that disable the lamps with heater. Plow manufacturers such as Fisher has this issue with their LED heated lamps, thus they provide a separate module to take power directly from battery and using HB/LB as a light on signal circuit.

This guide provides a suggestion on bypass the vehicle high beam or low beam that might have limited current driving capability, by making a connection directly from battery to plow lamp (at user's own risk). Positive trigger source is either HB or LB, use one relay per beam to control both sides. Device is output to the heated lamp. This guide assumes HB or LB signal coming from vehicle and at the plow side. Pls note it is not legal to have both headlight HB and plow-light HB on at the same time.

User shall use the following components and connection in between light signal (connect to pin 86) and the plow light (connect to pin 87). Any controller or switch circuit output that originally connected to plow light can be considered as light signal.

Normally OFF Relay with a **POSITIVE** Trigger



Redirecting Power from HB/LB to Battery

Add a 5 pin relay (25-30A rating, a 35A Maxi delay fuse shall be added between battery and switch), connected the light signal intended to control to pin 86, and the intended driving load to pin 87.



Typical 5 pin Relay



35A Maxi Fuse



Typical Maxi Fuse Holder