

Bypass High or Low Beam

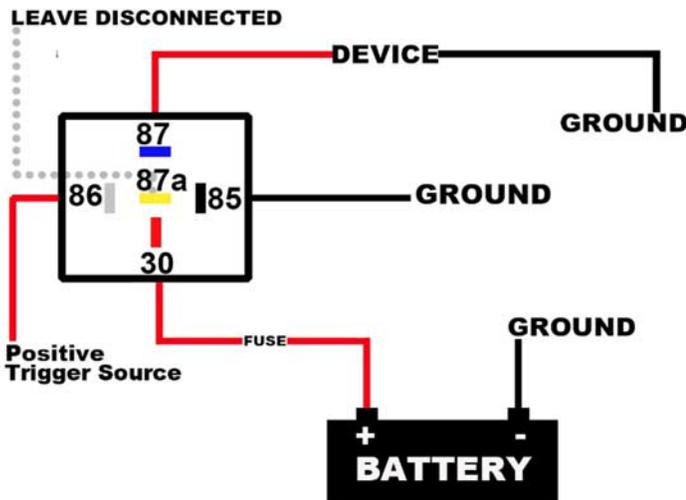
(Use in conjunction with Grote Snowplow lamps)

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

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

Users should 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 the plow light can be considered as a 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), connect 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