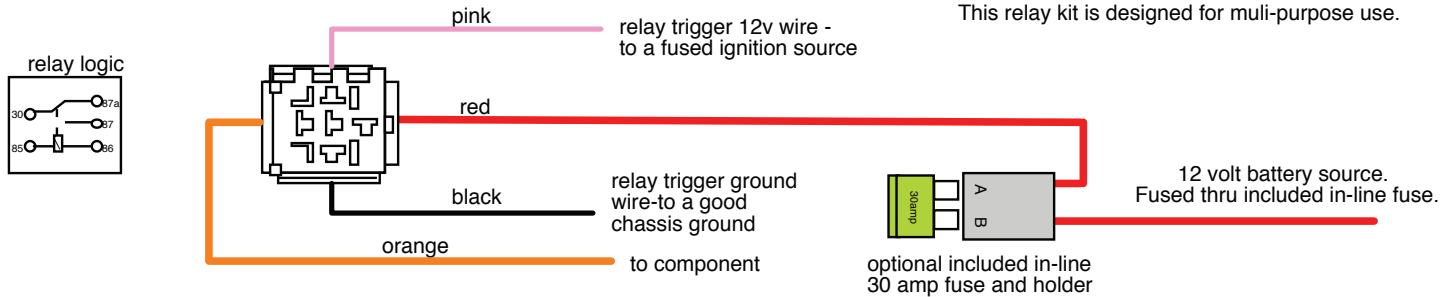


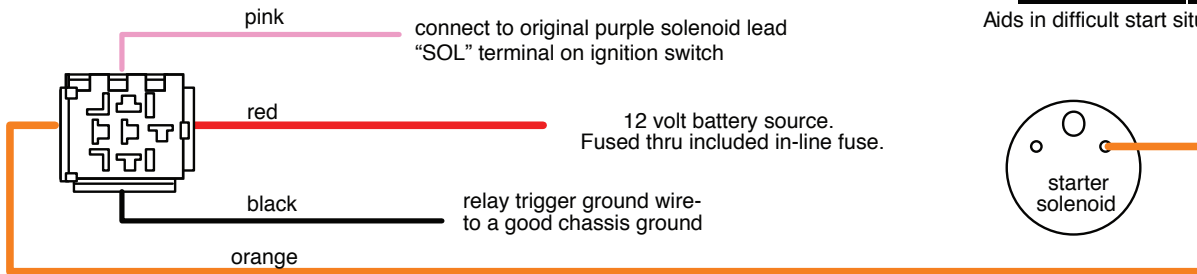
BASIC RELAY WIRING

This relay kit is designed for multi-purpose use.



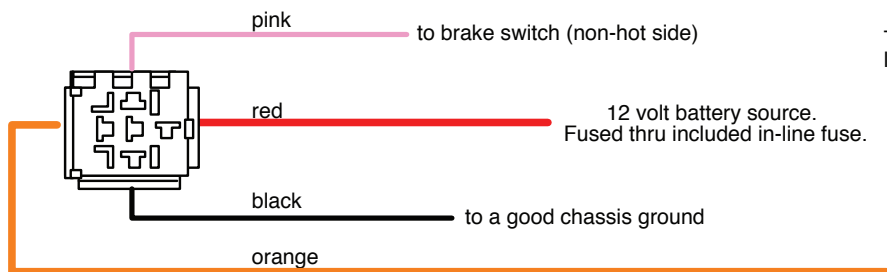
HOT START RELAY WIRING

Aids in difficult start situations for GM engines



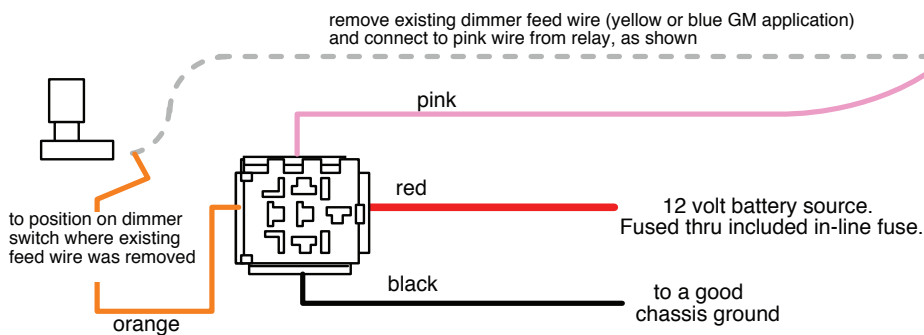
BRAKE SWITCH RELAY WIRING

This set up removes the overload strain of hi-load brake lamps from the brake switch.



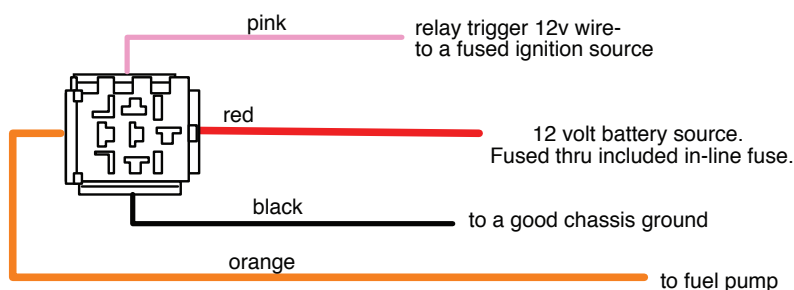
HEADLIGHT SWITCH RELIEF RELAY WIRING

Wires power directly to headlights through relay. Uses existing headlight switch to control a power relay. Maximizes voltage to headlights for high current draw halogen or xenon bulbs.



FUEL PUMP RELAY WIRING

This set up removes the overload strain from the ignition switch that an electric fuel pump can exert.



**American
Autowire**

PART #

500479

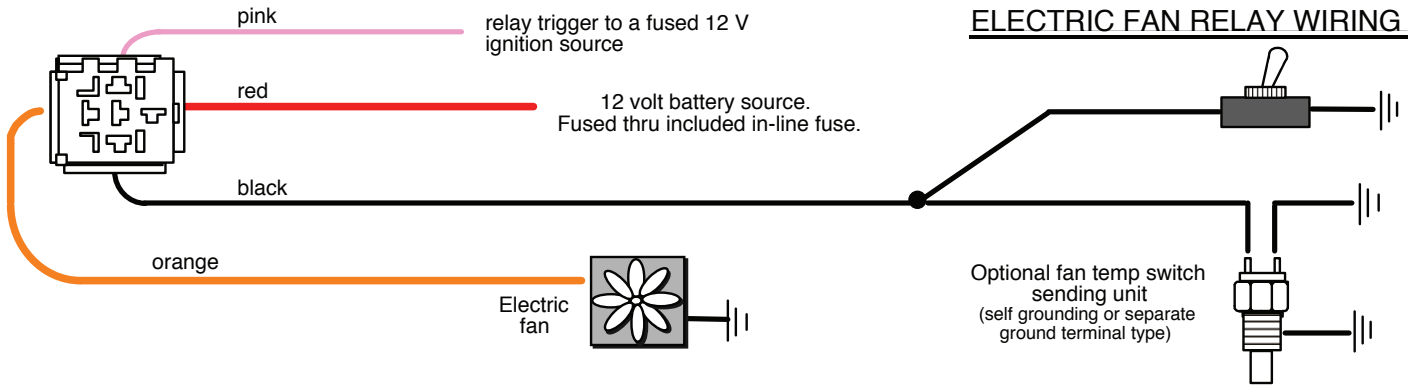
DESCRIPTION:

UNIVERSAL RELAY KIT

92965263 instruction sheet

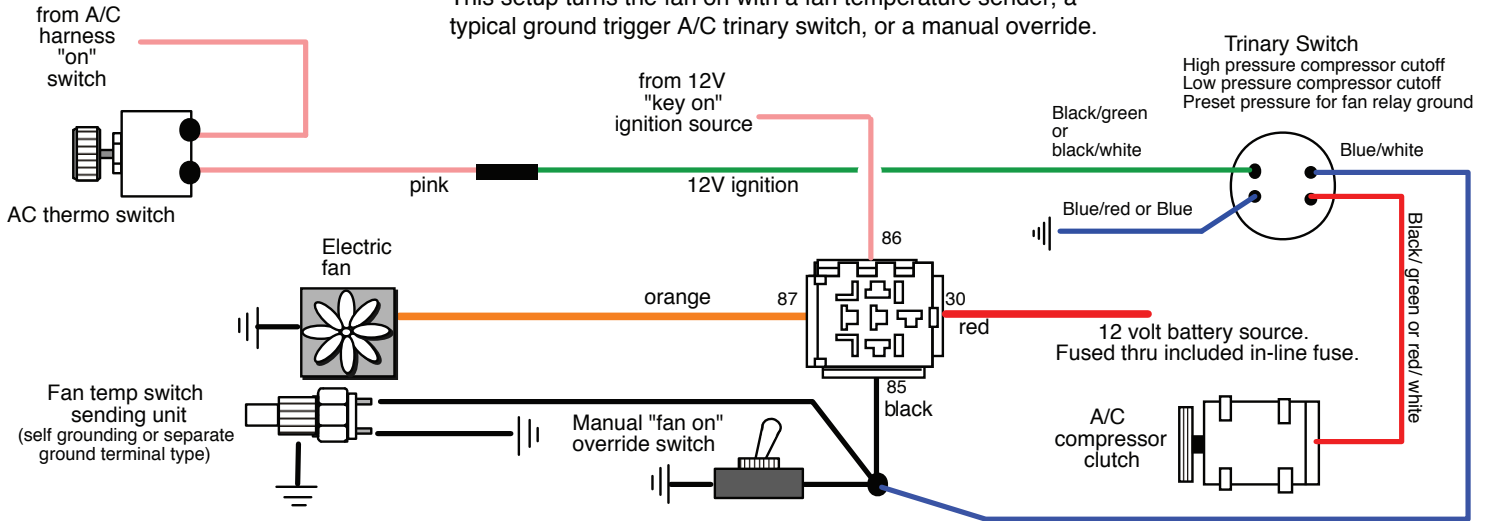
Rev 6.0 9/19/2013

ELECTRIC FAN RELAY WIRING



ELECTRIC FAN WITH A/C TRINARY SWITCH

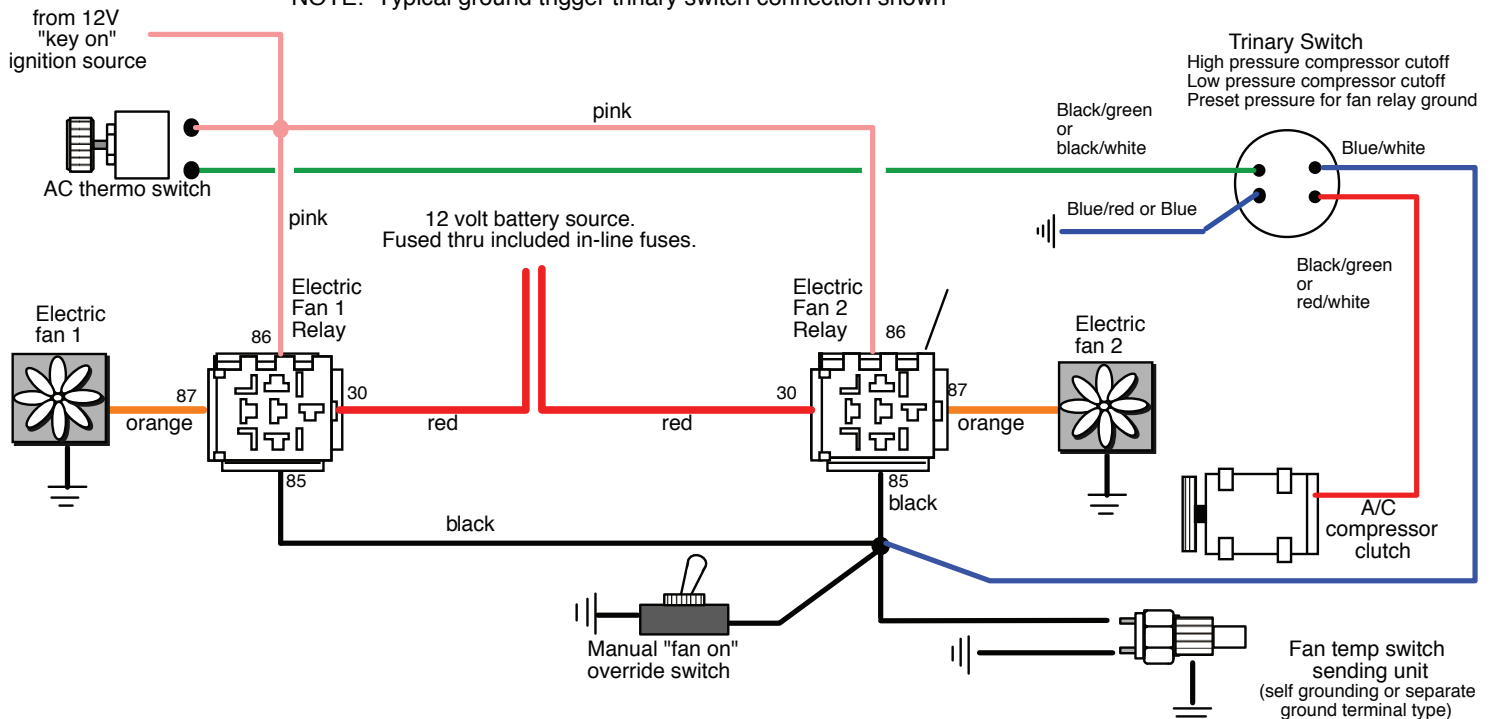
This setup turns the fan on with a fan temperature sender, a typical ground trigger A/C trinary switch, or a manual override.



DUAL ELECTRIC FAN ACTIVATION WITH AC TRINARY SWITCH

If you have multiple engine fans, and would like to have the option of turning them on with the same temp sender switch, you can use this kit along with an additional 500479 relay kit wired as shown. This setup turns both fans on with a single fan temp switch.

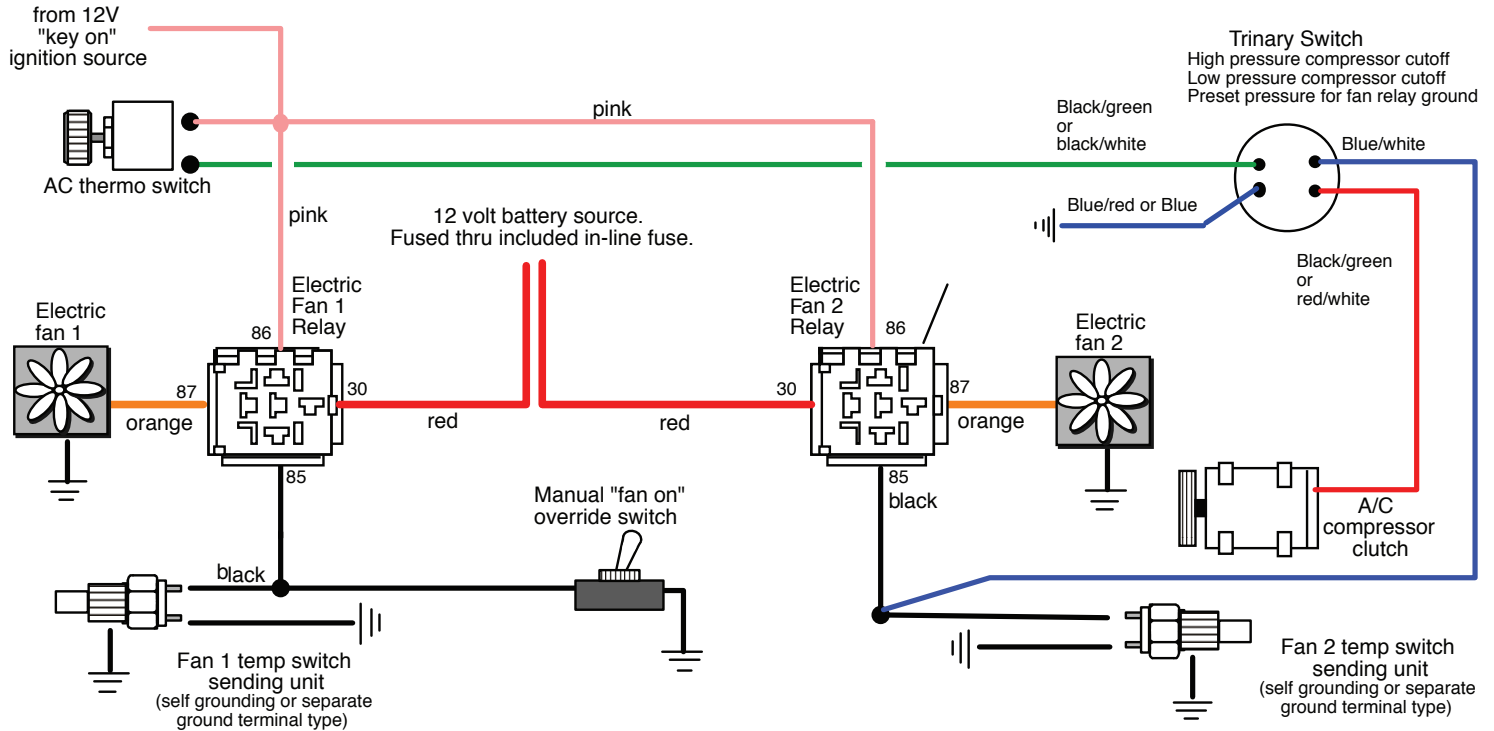
NOTE: Typical ground trigger trinary switch connection shown



DUAL ELECTRIC FAN ACTIVATION WITH AC TRINARY SWITCH

If you have multiple engine fans, and would like to have the option of turning them on with the separate temp sender switches, you can use this kit along with an additional 500479 relay kit wired as shown. This setup turns the fans on according to the settings specified by each fan switch. Fan 1 has a manual override to turn the fan on. Fan 2 can be activated by the temp switch or the AC trinary switch.

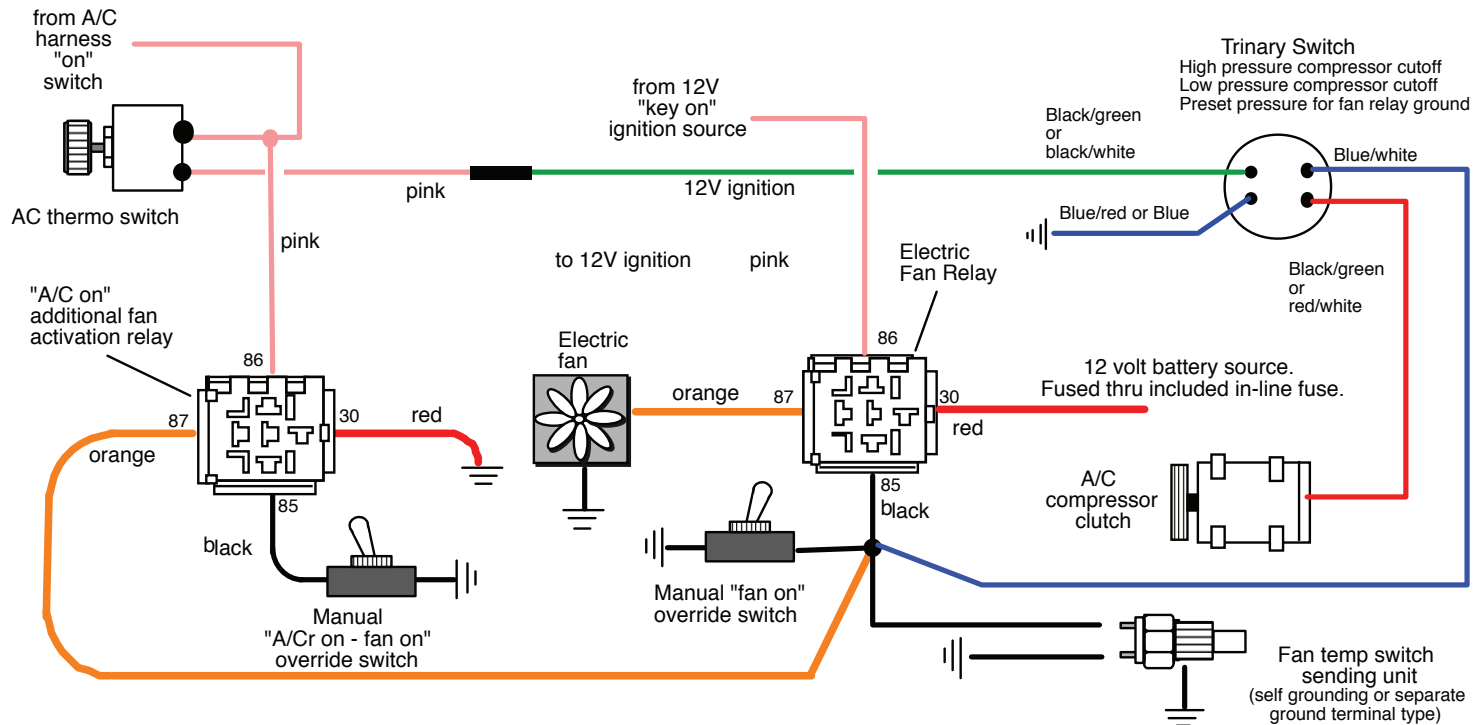
NOTE: Typical ground trigger trinary switch connection shown.



ACTIVATING AN ELECTRIC FAN WHEN A/C IS TURNED ON

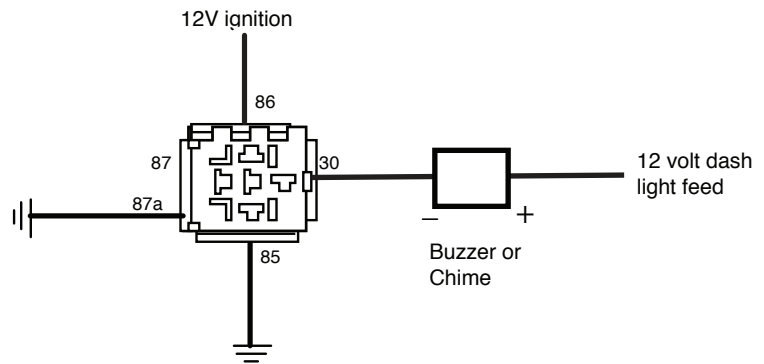
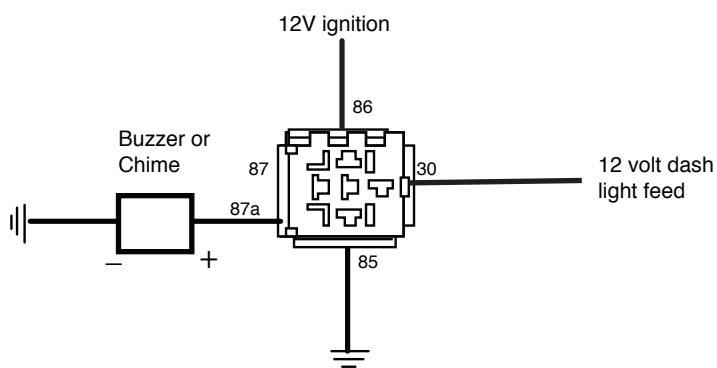
If you have A/C, and would like to have the option of turning on the electric fan when the A/C is turned on, you can use an additional 500479 relay kit wired as shown. This setup turns the fan on as soon as the A/C switch is turned on. Relay power ahead of the A/C thermo switch does not cycle the fan on and off as the compressor cycles due to the thermo switch setting. The optional ground switch from Relay 1 will disable this function if set to ground. The fan would then operate only when activated by the fan temp switch, the trinary switch, or the optional manual override switch from Relay 2.

NOTE: Typical ground trigger trinary switch connection shown.

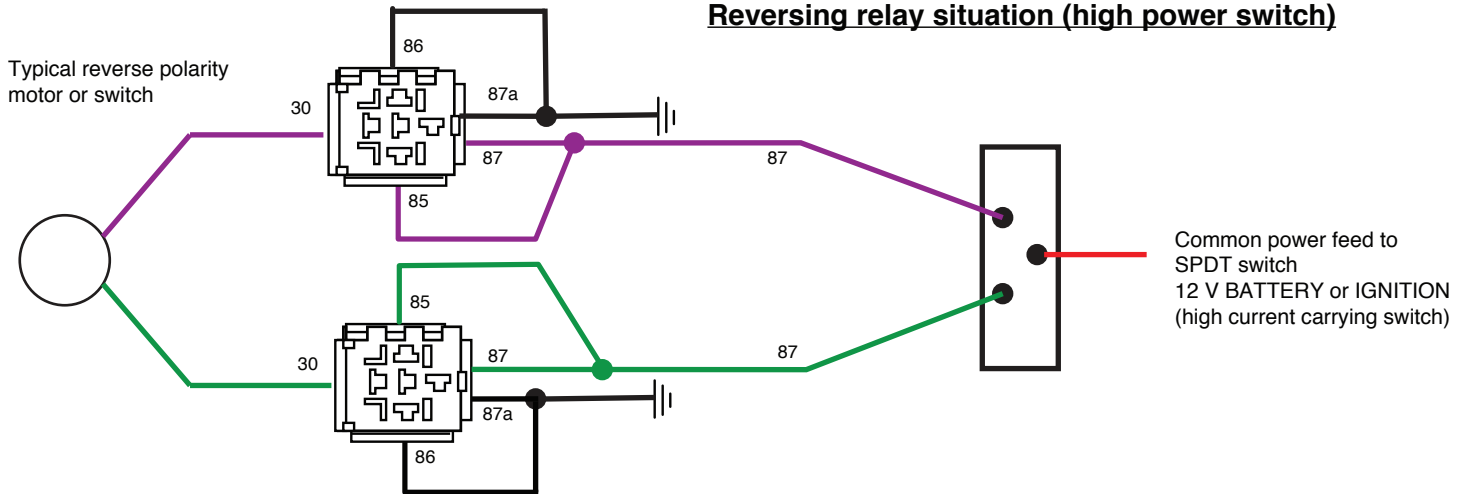


Headlight on buzzer or chime

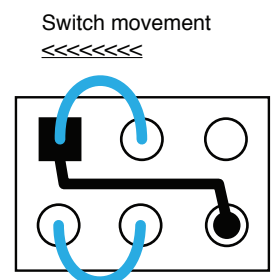
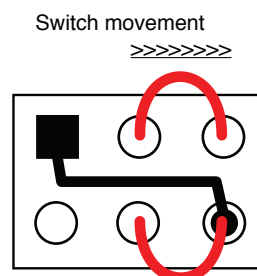
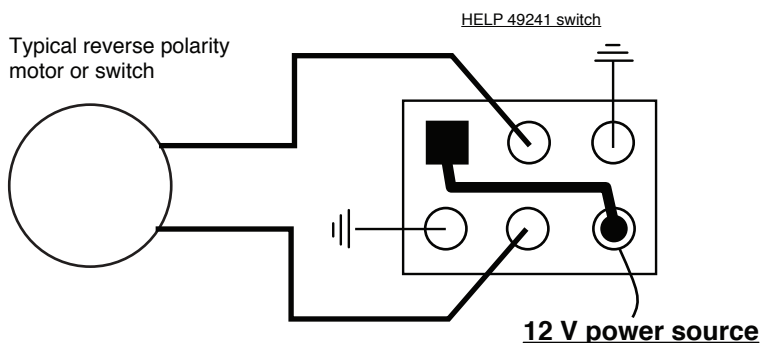
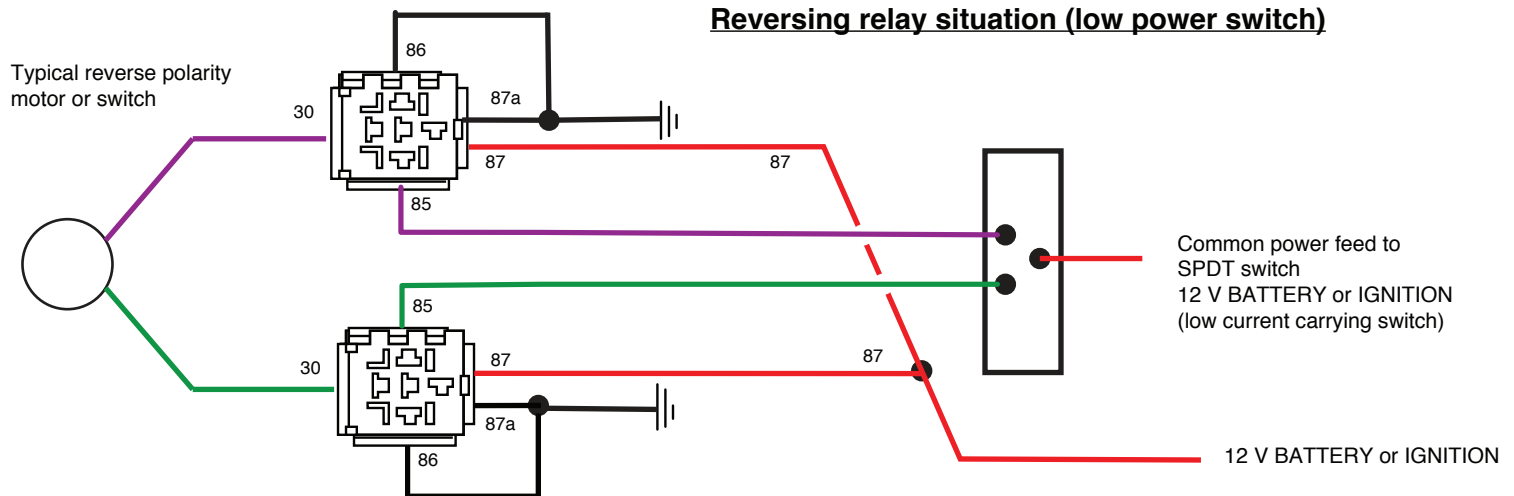
This setup will activate a buzzer or a chime when the headlights are on when the ignition is still turned on.



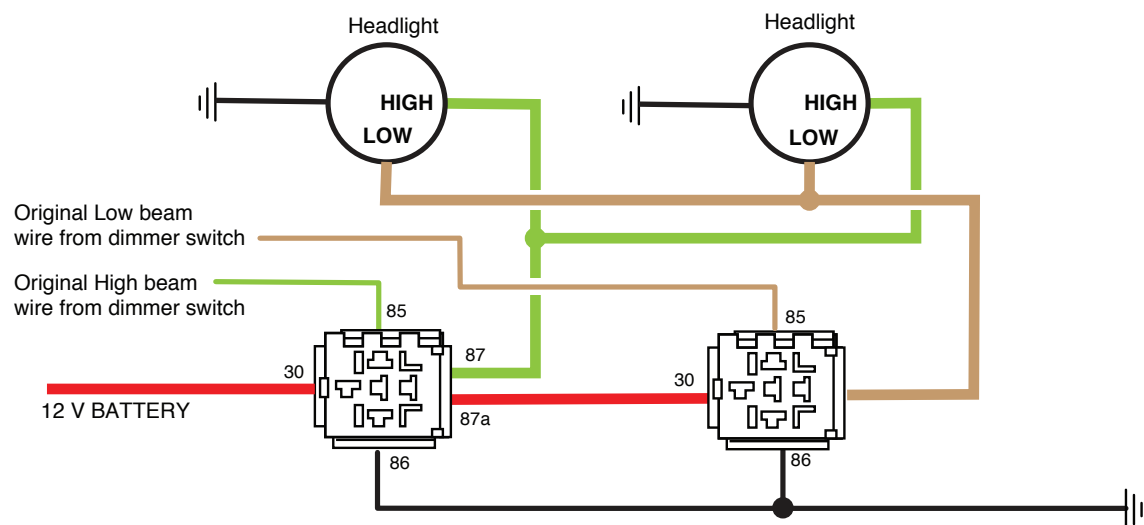
Reversing relay situation (high power switch)



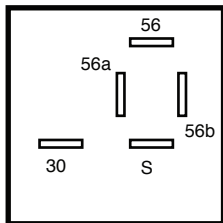
Reversing relay situation (low power switch)



Headlight enhancement relay



Latching relay (VW type)



Latching relay are a mechanical switching device that alternates output power from terminal “56” to either “56a” or “56b”. Momentarily grounding the “S” terminal switches the relay permanently to either “56a” or “56b”. The path is altered every time the “S” terminal is grounded. Because it is a mechanical device, the selected path is maintained until the “S” terminal sets another ground. The path is not altered when power is removed from the “30” terminal.

Term	Function
30	12 volt power feed (Bat or IGN)
56	Power source to be switched
56a	Output power #1
56b	Output power #2
S	Ground trigger