Wiring Headlight Relays for 6V (+) Ground Cars



Bosch SPDT
6V 30 amp Relay
0332204001
Used as dimmer relay
In 1950 to 1966 VW
Also listed as:
Merced 0035340245
Porsche PCG61510100
John Deere AR91168

The Bosch Relay is a high quality metal cased relay, but it is fairly expensive, a cheaper alternative is the plastic style such as:
Durakool DG85B-8011-96-1006-M1
TE Connectivity / Potter & Brumfield 1432873-1



Instructions:

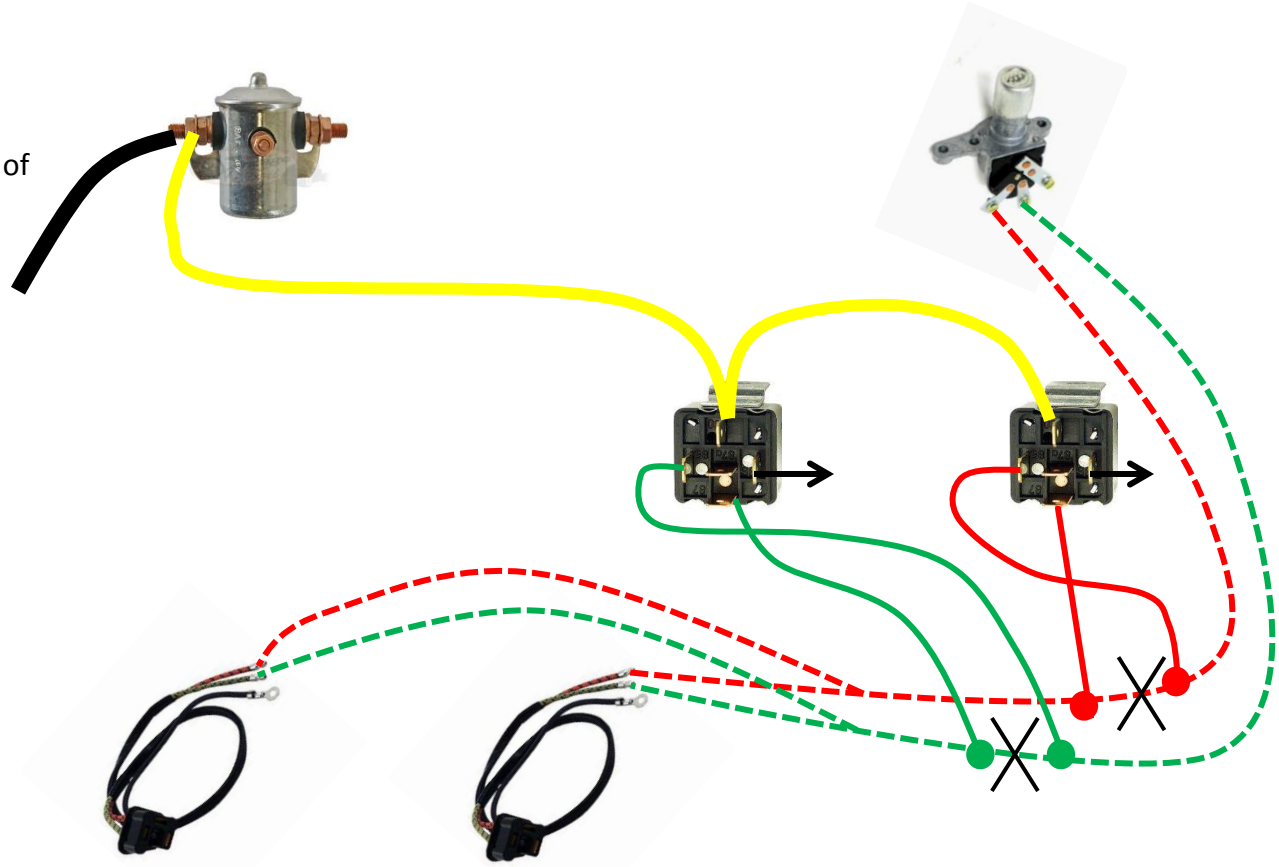
Add a new 10 ga. wire from Battery side of Starter Solenoid to new relays

Cut Headlight wires from Dimmer Switch to Headlights.

Connect Low Beam wire from Dimmer To Low Beam Relay using 14 ga. wire & connect High Beam wire from Dimmer to High Beam Relay using 14 ga. wire.

Connect wire from Low Beam Relay to Headlight side of Low Beam wire using 14 ga. wire & connect High Beam Relay to Headlight Side of High Beam wire using 14 ga. wire.

Notes: a 30 amp fuse can be used between Starter Solenoid and Relays



Wiring Headlight Relay for 6V (+) Ground Cars – Relay Connections

Note: Polarity may or may not matter, some relays have a diode between pins 86 & 85. Therefore the connects need to be reversed from a negative ground car. To account for a diode, use the connections shown below.

Pin 86 is normally the Trigger terminal, but with a diode it should be used as the ground connection

Pin 87 is the Power Out Terminal to the headlights. (Pin 87a is not used)



Pin 85 is normally the ground Terminal, but with a diode it should be used as the Trigger Terminal and connects to the cut wire from the dimmer switch.

Pin 30 is the Power In Terminal and connects to the Battery side of the Starter Solenoid.