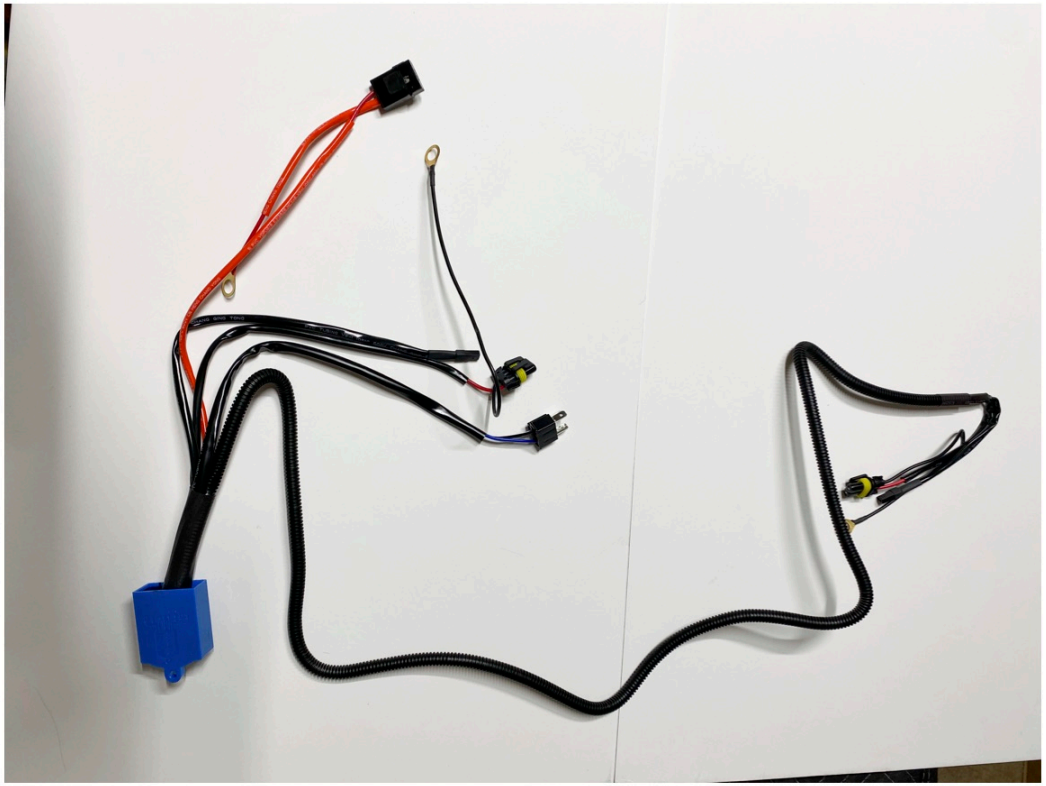
# H4 HARNESS INSTALLATION GUIDE

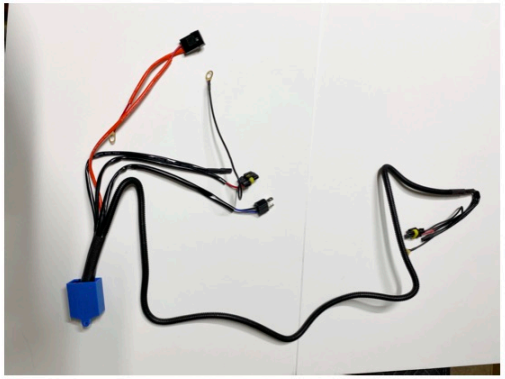
FREEDOM
RETROFITS

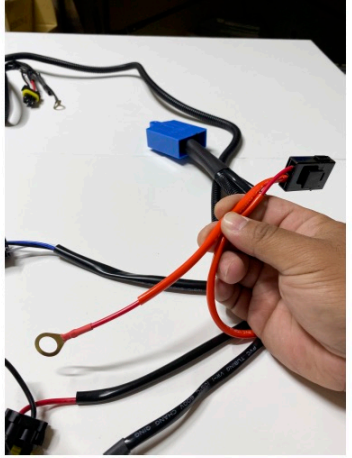
# H4 Harness Adaptor

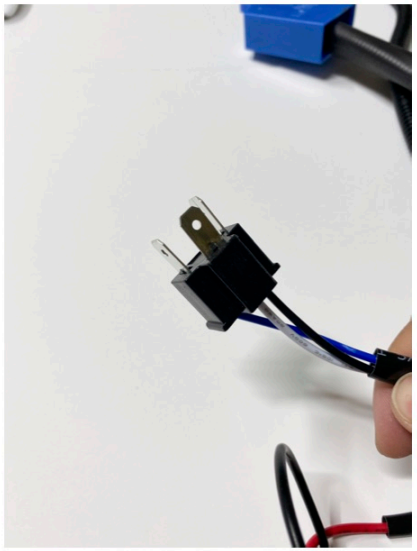
The H4 harness adaptor is used to convert your 3 prong headlight system into dual plugs to separate the Low Beam and High Beam functions. Its a very simple install but will require a few tools. Sand Paper or a wire wheel brush and drill as well.



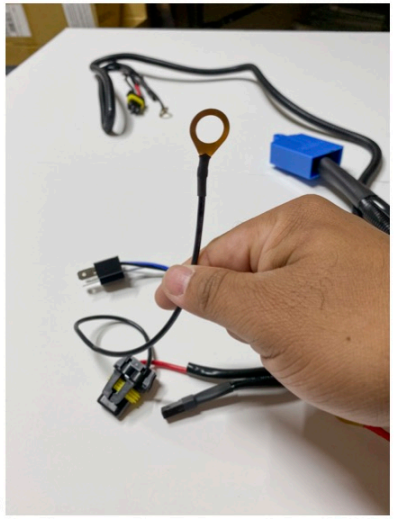
- Install the harness before you install your new headlights
- Start by opening up the harness and laying it out.
- The red connecter and fuse will connect to the positive battery post.
- The 3 prong “H4” plug will plug into your factory H4 headlight bulb plug closest to the battery. It only needs to be plugged into one side of your H4 plugs. The relay and battery handle the rest. The h4 plug just triggers when the low beams come on and when the high beam solenoid gets activated to move the high beam shield inside the projector.

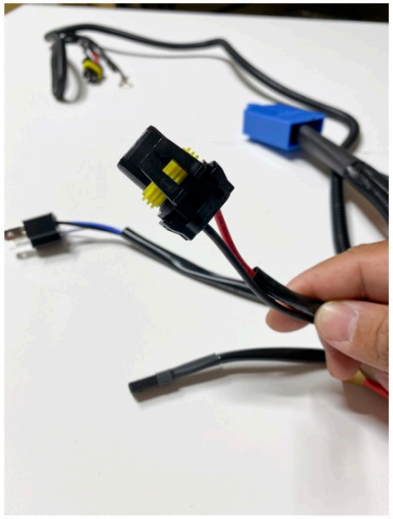




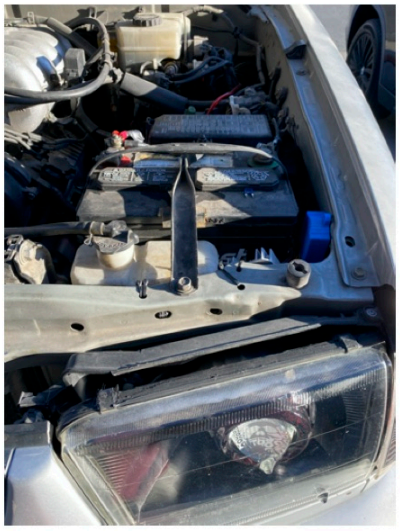


- The next part is where the wire wheel brush will come in handy. Choose a point behind the headlight to use as a “Clean” ground location. It must be paint free. The bolt or self tapping screw you use to land the ground must also be paint/ coating free. Grounding is the failure of most electrical installs. When you are done, make sure its installed tight to the chassis/body where you mounted it.





- The larger 9005 plug will go to the LED Driver of the projectors. The small black “molex” plug will go to the molex plug coming out the back of the projectors. It's what triggers the high beam solenoid shield to move via an electronic coil to move out of the way unleashing 100% of the projector light.



- Now do the same thing on the other side of the engine bay. Test plug in your lights to the harness. Turn it all on, and verify you did the job correctly. Light should come on instantly. If no light on one side, flip the plug over. If no light on both sides you may need to re-pin the h4 harness. Usually the blue and white get flipped in the plug. But a test light or meter will help you figure out which plug is different on your vehicles plug. Black - ground, blue is low beam, white is high beam.