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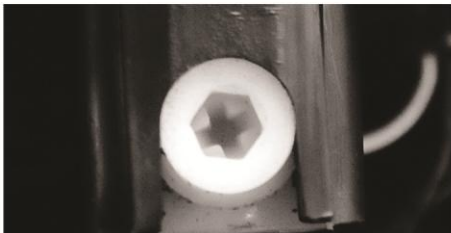
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Proper Headlight Adjustment for Spyder Auto Headlights

There are many factors involved when you are adjusting your headlights; ride height, age, and of course general wear and tear. It's no secret that headlights are the most important factor when talking about safety on your vehicle. This is a handy guide to adjusting your headlights for an optimal beam pattern and vision line.

First, locate your headlight adjustment knobs. Spyder Auto uses a multitude of different adjustment knobs based on the headlight set you have. Here you will see an example of each of them:



Next locate the tools that will be needed to adjust your headlamps. **Note: Please do not ever use power tools on your adjusters this may cause severe damage to the internals of your lights.**

Next, on a level surface, back your vehicle 25 feet away from a wall. Check your owners manual to see what their optimal distance may be. For example – Toyota suggests you should be 10 feet away from a wall and Chrysler suggests for you to be 33 feet away from a wall. This is for your STOCK headlight system, Spyder Auto recommends that you are 25 feet away.

Make sure you are doing this at night with a passenger inside of the vehicle. To test east side of the light cover it up with a jacket or stand in front of it. Make sure not to do it for too long, you don't want the headlight to retain an excess amount of heat.

Look at the light pattern on the wall. Vertical aim: The top of the most intense part of the beam should be at or below the centerline of the headlamp horizontal tapeline. Horizontal aim: Most of the intense part of the beam should be to the right of the vertical centerline of the headlamp assembly.

Please check with your state and local laws for the specific placement of your headlight beams. There should be very little “kickup” after your adjustment. The most intense part of the light (middle) shouldn’t have much bleeding from the light – the idea is to be able to pick up road signs and pedestrians while still be considerate of oncoming traffic.

Below is an actual picture of what your projector cutoff line should look like.



Here is a picture of what the headlights should look like in comparison to the wall.



For additional information or troubleshooting please contact us at TechSupport@spyderauto.com or reach us by phone at (626)934-8884.