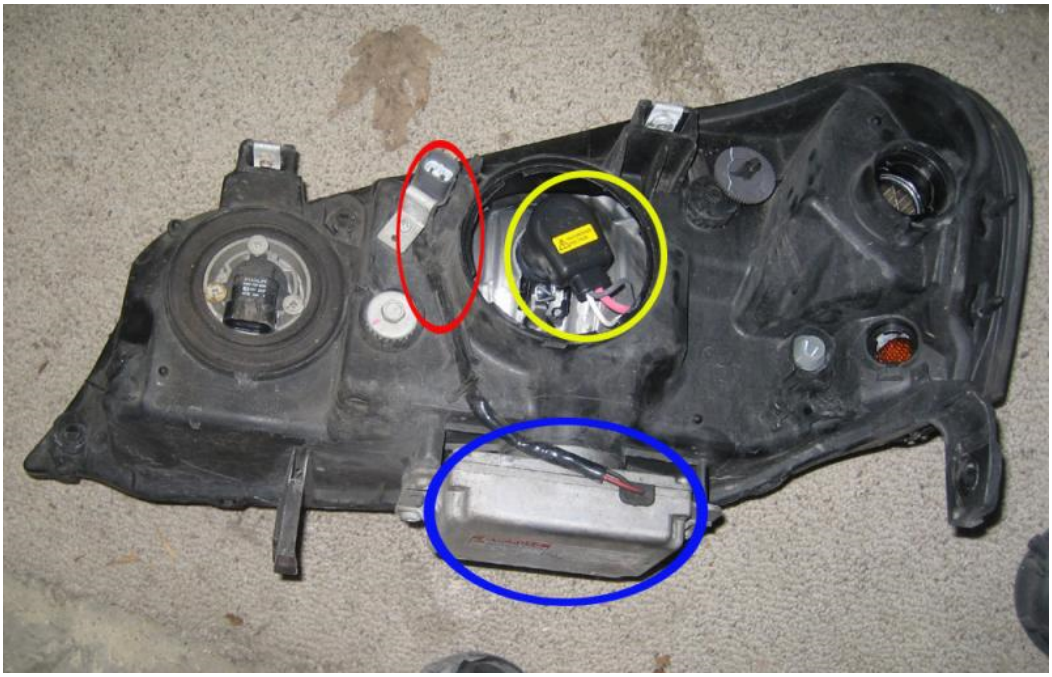
D2S or D2R HID Ballast Replacement with Aftermarket Ballast by CarHIDKits.com

Step 1: Get access to behind headlight. Some vehicles you may need to remove the bumper or get access through wheel well.[1]

- **Red:** Power Harness **Blue:** Ballast **Yellow:** Headlight Bulb Harness
- Shown below you can see the OEM ballast you will remove.

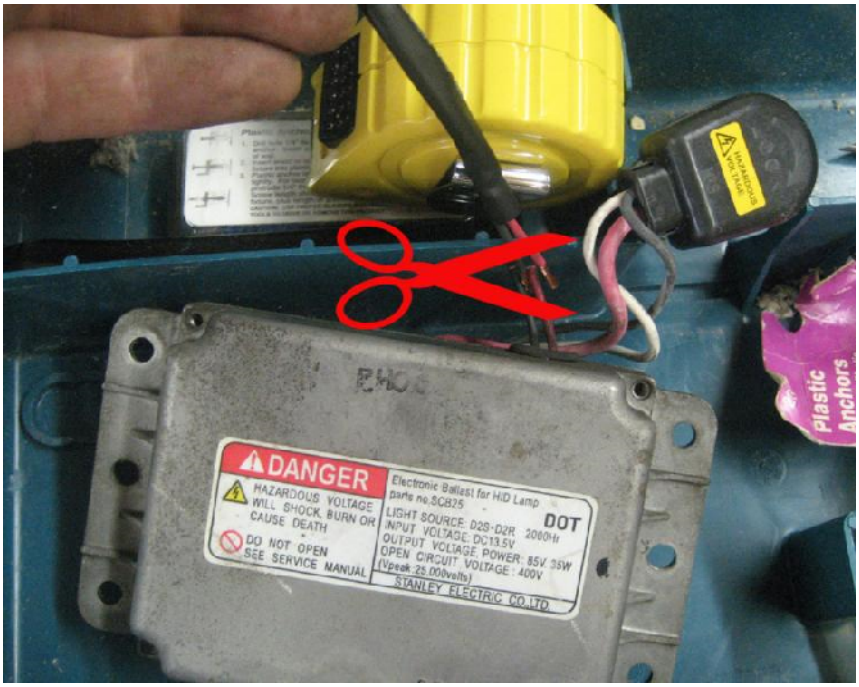


[1] Order your D2S/D2R Kit at CarHIDKits.com

Created with nitroPDF professional
download the free trial online at nitropdf.com/professional

Once you have everything removed you will need to mount the new ballast with the bracket provided. You can mount anywhere, however we choose the OEM location. You can use RTV seal around the hole at the bottom of the H/L housing where the OEM once sat. In this case there are 3 screws used and we RTV'd those too. Be sure to just stay inside the OEM molded bracket area and you will be fine for space. MAKE SURE TO SEAL ANY EXPOSED AREA OF THE BOTTOM HOLE WITH THE RTV

Now you will cut the **OEM power harness** off of the OEM ballast. This is the wire that feeds ballast 12V.

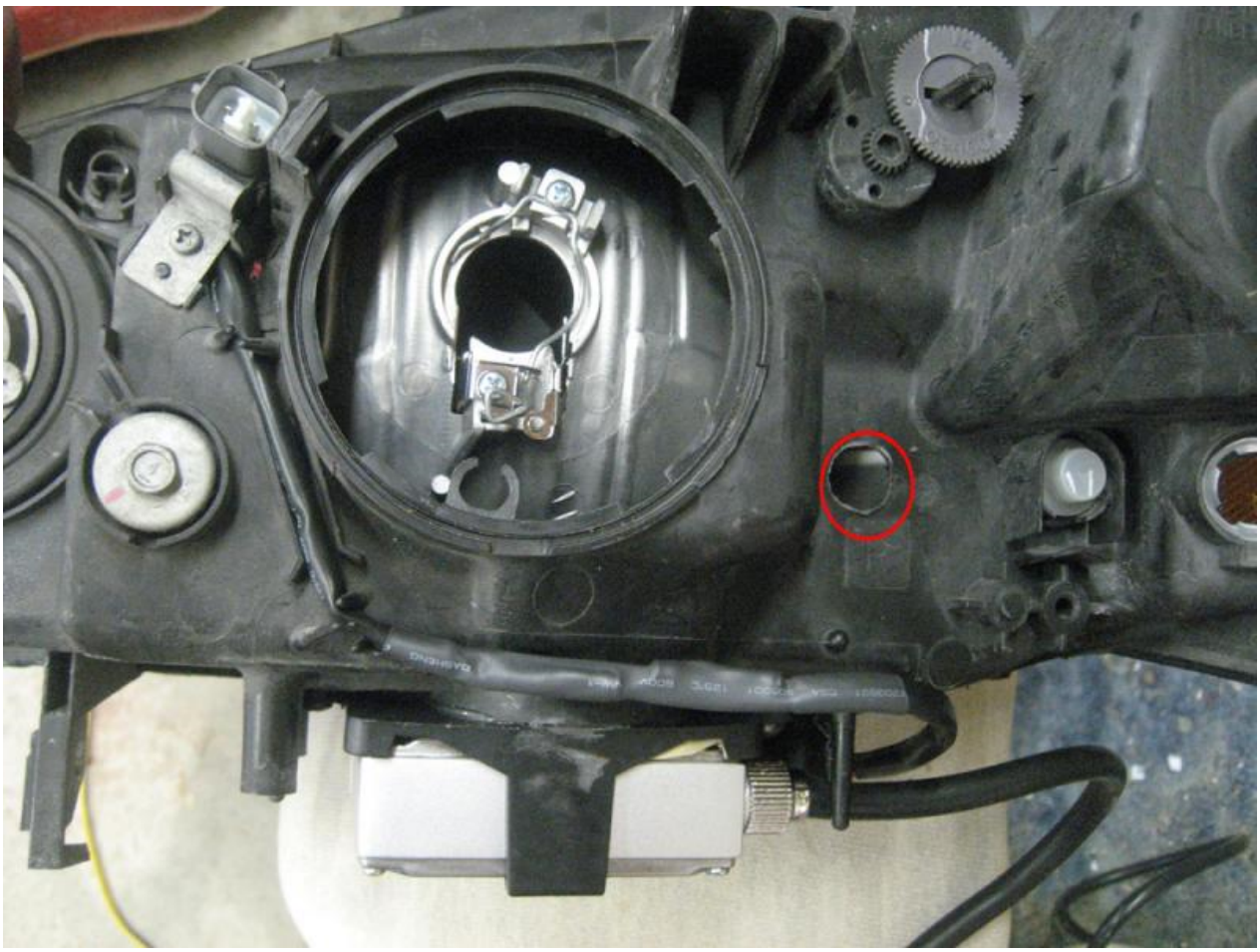


Created with nitroPDF professional
download the free trial online at nitropdf.com/professional

Next you will crimp the end of the OEM power harness to the new power harness that plugs into the New Ballast. You can see in the pictures that we trimmed it down to have just a little bit of slack and then we heat sealed it with the heat shrinking wrap to make waterproof. Another good tip is to stagger your splice so you can slide the wrap over it easily. Simply cut one of the 2 wires on the harness the length of the connector and then do the opposite on the power harness. Short red, long black on one and Long red, short black on the other. This makes for a nice clean and waterproof splice. Again, you may choose to go electrical tape, but I think this will hold up MUCH better.

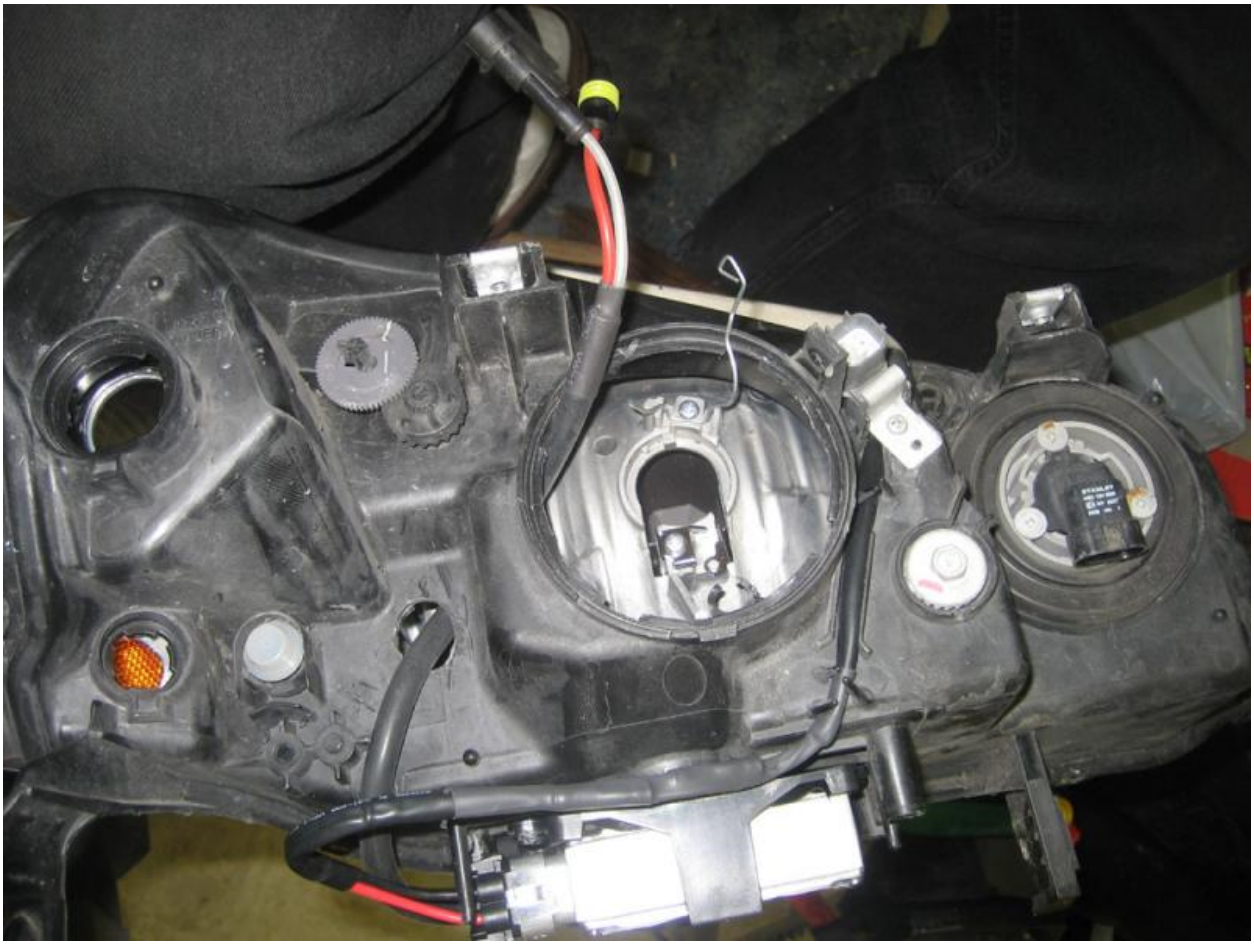
Created with nitroPDF professional
download the free trial online at nitropdf.com/professional

This is what it looks like after splicing the New power harness into the OEM connector that you reattached and the New Ballast clicked into the bracket you installed, pretty clean huh? You can see how the heat shrink wrapping seals everything in nice and neat.
You will also notice the red circled hole where we drilled through the housing to pass the New H/L harness through later. This is the passenger side H/L.



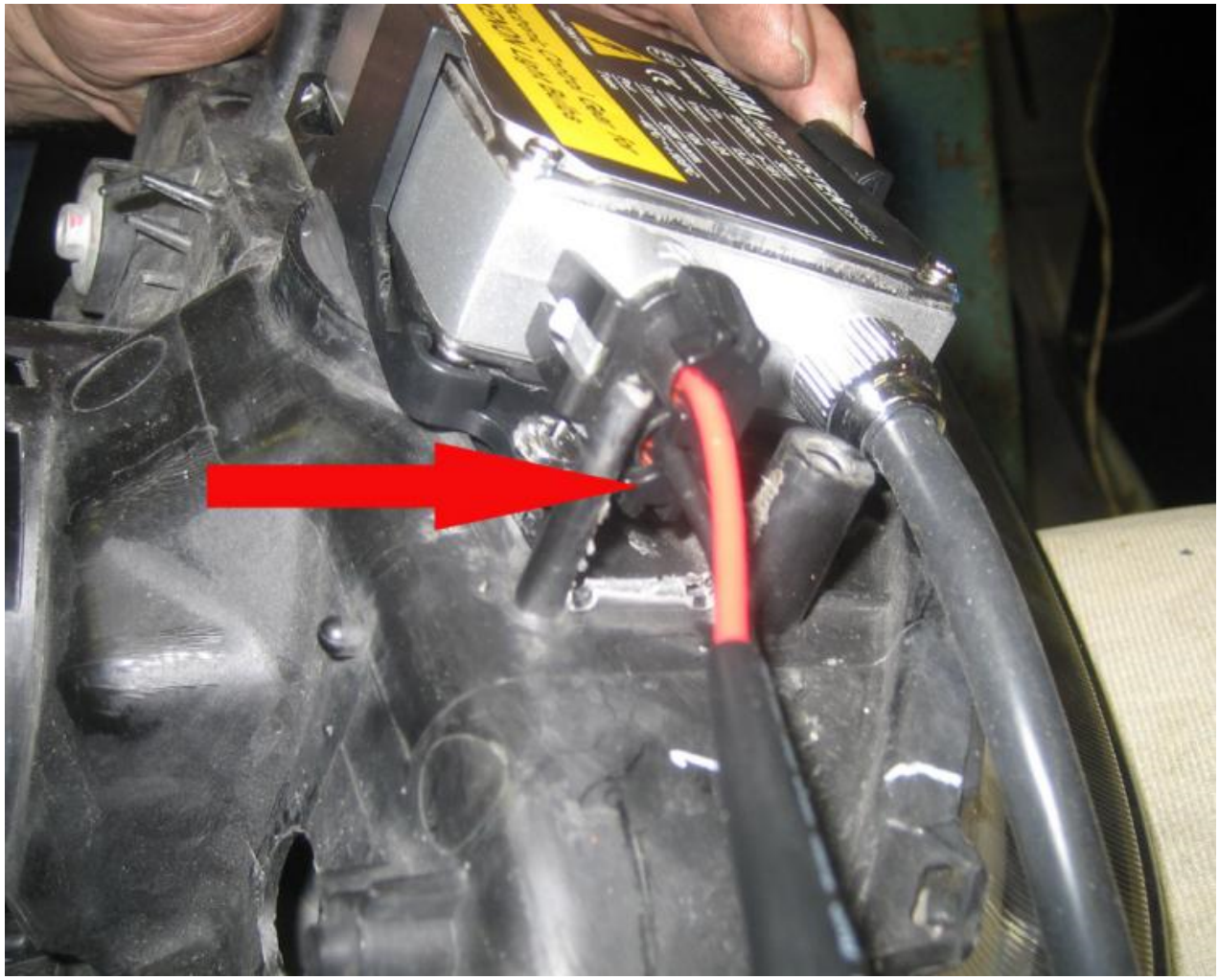
Created with nitroPDF professional
download the free trial online at nitropdf.com/professional

Now I am showing you the Driver side H/L with the H/L harness as it passed through the hole you drilled.



Created with nitroPDF professional
download the free trial online at nitropdf.com/professional

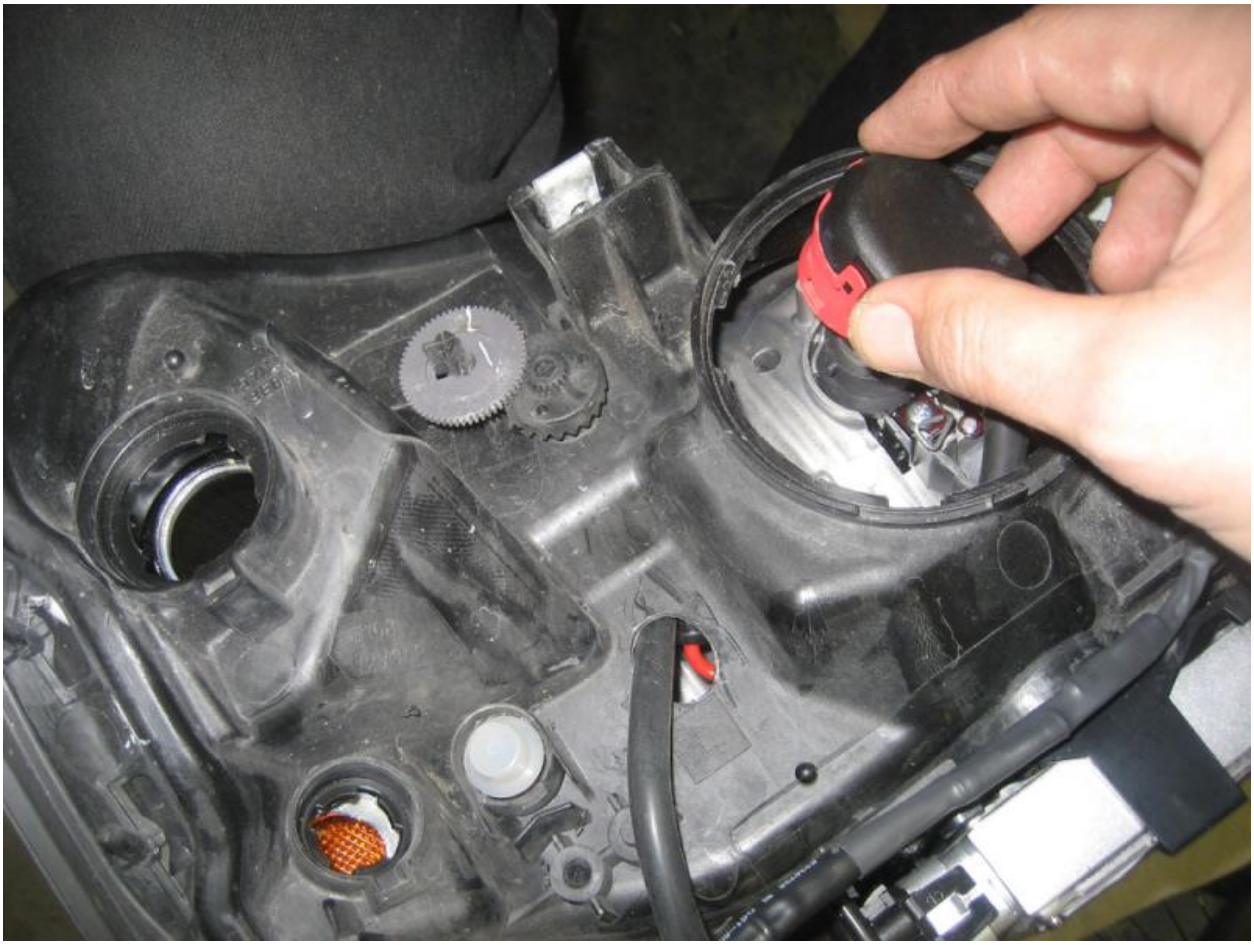
Notice that we had to cut out a portion of the OEM molded ballast housing (driver side only) to plug the New Power Harness into the New ballast since both ballasts face the same way and we are working on both right and left H/L's



Again, you do not need to install the ballast here. You can choose to install the ballast anywhere in your engine bay as long as your wire reaches. You can use existing bolts anywhere.

Created with nitroPDF professional
download the free trial online at nitropdf.com/professional

Now connect the New H/L harness to the New Power Harness with the 2 slide connectors and push excess wires into the housing closest to the turn signal since there is a lot of room. Then connect the New H/L Harness to the new bulb you installed.



Created with nitroPDF professional
download the free trial online at nitropdf.com/professional

Here is the nearly finished product with the RTV around the hole you drilled to protect from water and air. After this coat I did put on a whole other layer for added piece of mind. A good tip is after you fill and circle the hole like you are using caulk, you can wet your finger to mold the RTV to shape and fill without it sticking to your hand. I also tested the system before the final re-install...just to be safe!

Created with nitroPDF professional
download the free trial online at nitropdf.com/professional

We hope these instructions helped you install your D2S/D2R Ballast

Thank you

CarHIDKits.com

Created with nitroPDF professional
download the free trial online at nitropdf.com/professional