

Bull Light HID install



Typical old everyday bull lights. Old outdated design of the reflector that uses the H3 bulb and can handle either 100 and 130 watt bulbs. Are typically the truckies favourite as well as all the B & S ute crowd. These are "Tri-lite" lights, however Narva and Hella also produce bull lights which sometimes are also called search lamps (for some unknown reason).



Undo the lower bolt and pull the front cover off. Undo the side clips and pull the old halogen bulb out. Keep it for possible future use.



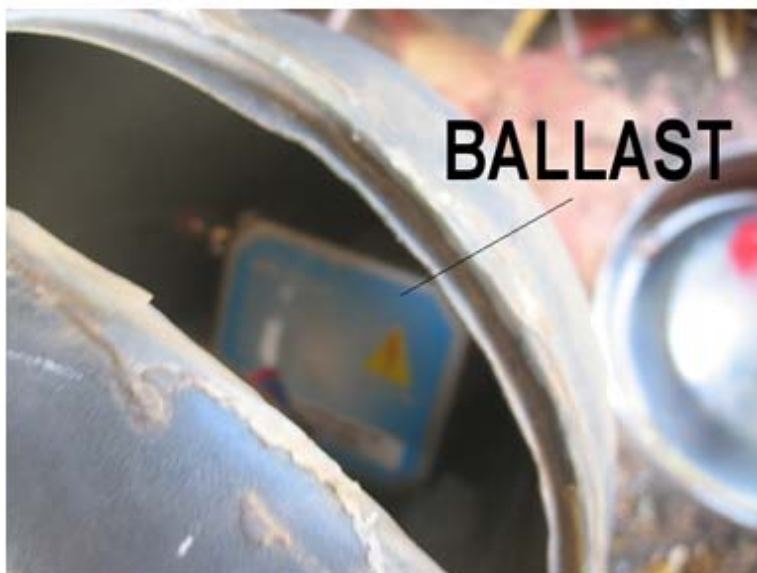
Pull the HID bulb out of its box and undo the bulb cover that it will have. Carefully insert it into the housing bulb base and install the clips back in.



This is what the lights looked like with the halogen bulb.



NOW! The interesting bit. The ballasts will fit in the housing! This is great! One altogether enclosed HID light! Mounting this could be a little interesting, I'd personally just stick the ballast in there with a chunk of silicon to glue it in place, however using the ballast mounting base plates could be just bolted to the housing. To be honest I haven't done either of these in these instructions. Why? Because I'll need to move the bulb and ballast to another set of lights after I finish taking comparison photos of these lights later tonight.



Dreadful photo of the ballast in the rear of the housing with the front cover reflector about to be bolted back into place. (Steps missed here is cutting of the standard terminals on the ends of the 12v/24v ballast wires, and passing the wires through the light housings bullbar upright mounts.



A hole was drilled in the rear of the light housing. 23mm is required for a nice fit of the grommet. I used a $\frac{3}{4}$ " drill bit since that is all I had, and then roughly ground it out at an angle still using the drill bit in the drill. Yep, rough indeed. Recommended method is to use a 23mm holesaw. Pass the high tension connecting plug and socket through the hole and with a little bit of effort, the grommet fits very nicely.



Typical lengths of the high tension leads between the ballast and the bulb is around 300mm, so you'll need to mount the ballasts fairly close by. I would highly advise to not cut these leads to extend them. Yes it can be done and it will work, but high voltage breakdown of the insulation can easily happen in the future.

Mount the lights, wire up the ballasts to your existing wiring via relays and all is done. Wait for night to test them out.





Digi camera, no flash, normal exposure. Left is 100w halogen, right is 45w HID



Digi camera, no flash, 1 second exposure. Left is 100w halogen, right is 45w HID