

Audi A2 – 1.6 Universal H7 HID's Install

Tools:

- Torx 30 Socket
- Cable Ties
- Isopropanol Wipes (Alcohol Wipes)
- Velcro

Optional Tools:

- Drill Bit
- Insulation Tape

Parts Required:

- Universal H7 HID's Kit
 - Note H7R Bulbs are better as they are designed for reflector headlights, like the A2.

Optional Parts:

- New headlight back plates
 - Part number 8Z0 941 158 and 8Z0 941 159
 - Cost £12.96+VAT

Unpack your HID kit and ensure everything is there as expected. In my kit I had two bulbs, two ballast modules and the connecting wires. There really isn't much to the kits.



Remove the bonnet and store safely.

You should now see the engine and should be able to identify the locations needed. Start by removing the headlights, to do this, use the TX10 and remove the two bolts holding the lights in place, once the bolts are out, simply pull the light away slightly.



Now disconnect the wiring to the head light via the plug on the back, be careful not to damage the plug or socket.



Having removed the light completely you should be able to see into the engine bay. Located at the back is a nice silver strip, this seems to me to be the best place to secure the ballast unit to.

With the light removed you should identify the dipped beam bulb, and should take out the existing H7 Halogen bulb.



To do this, move the spring clip holding the bulb in place to one side and lift the bulb out, there should be little resistance on the spring clip and no resistance on the bulb.

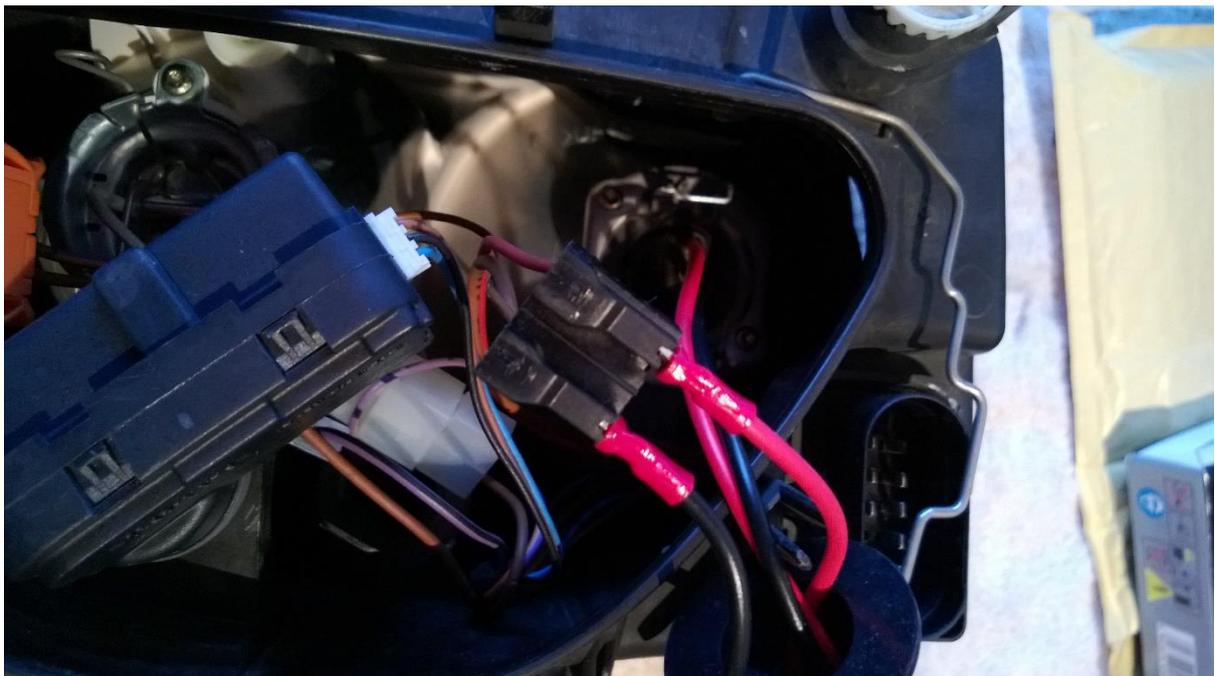


With the bulb removed, its time to place the new HID bulb in the hole, make sure you don't touch the side of the bulb or the glass, only hold it by the base. Once seated, secure the bulb in place with the spring clip, ensuring its locked down correctly.



From the new HID bulb should be two wires, each with a spade connector on the end, they should be black and red. Find these and insert the two spade connectors into the existing light connector, they should fit in without much pressure. Ensure they are not touching each other or the unit will short circuit.

Here you can if you want use the optional insulation tape to ensure the connection is complete. You can also now drill an appropriate sized hole in the back of the cover to route the wires through. I used a 15mm drill as the kit had a 15mm grommet and pushed it through the back of the headlight.



If you mess up the hole, spare backs can be purchased via TPS, part numbers and prices at the top.

Before putting the light unit back in place you need to secure the ballast unit, as I mentioned earlier there is a nice aluminium bracket behind both head lights, this is a good location to mount onto.

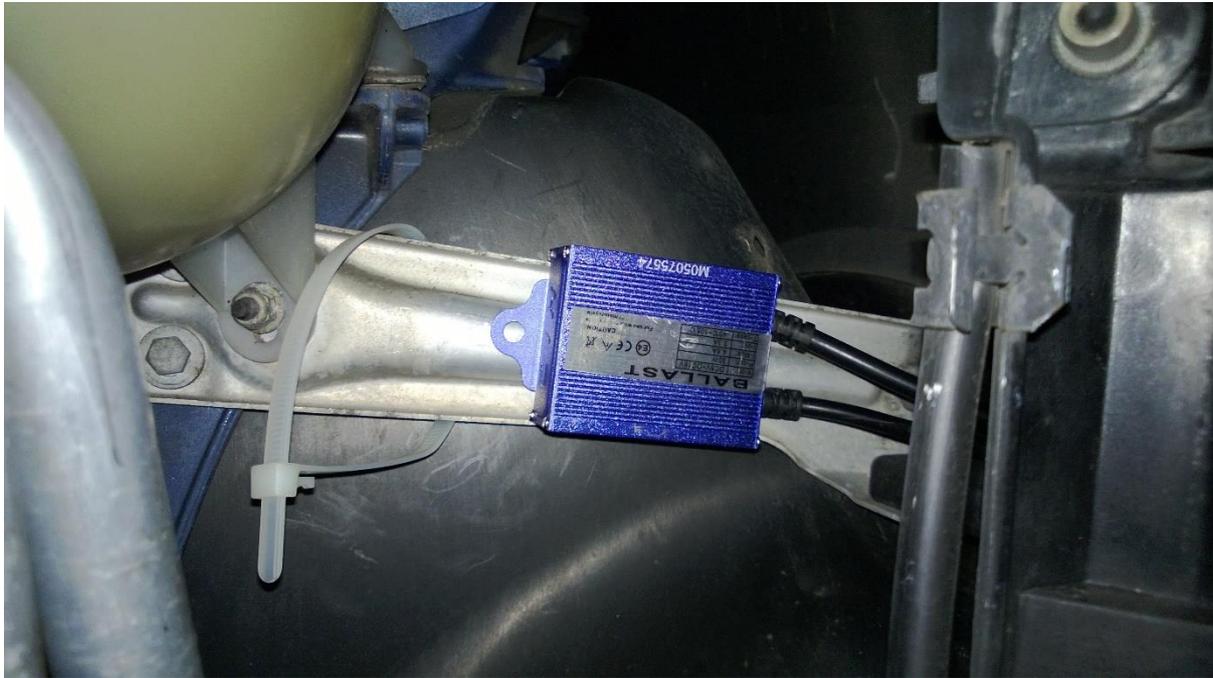


Rather than drill a hole and secure the ballast via a nut and bolt, I figured they might need to be removable so decided to secure mine with Velcro and cable ties. The Velcro to ensure the ballast didn't jump about and the cable ties to secure it to the Velcro.

Before I went any further I cleaned the bracket and back of the ballast unit with the wipes, this ensures the glue has the best chance at sticking. Using the softer Velcro for the bracket and the harder hook Velcro on the back of the ballast unit.



Once happy with the location, I stuck the ballast unit to the Velcro to test the location and length of wires was sufficient so it would reach the back of the head light.



Once happy this was the right location the ballast unit was secured with two heavy duty cable ties.



Now simple repeat the process for the other side. In my experience the drivers side was a little easier as access to the bracket was not restricted by the coolant bottle. Plus you've done one already...

With the ballast unit secure, replace the head light and connect up all the wires, including the original headlight plug, and the four new wires from the HID kit.

The below is a before and after. The left is the new HID bulb the right the old halogen one.

You can clearly see the difference, the temperature of these bulbs was 6000K.



For anyone interested the kit I got was the below. Mine was £30 off e-bay, so I don't expect it to be the best, by that's 8p a day for the year warranty it has!



Have fun!