

Fitting guide

Acumen universal Xenon HID kit

Written by (jon)



Tools required

- 25mm Drill bit
- 4mm Drill Bit
- Torx (T15)
- Wire Strippers
- Soldering Iron
- Punch
- 4.5 mm Self Tapping Screws (x4)

Part numbers

- H7 Acumen universal Xenon HID Kit

Available from <http://www.vagparts.com>

Instructions

- 1) Remove Bonnet as directed in the A2 Owners Manual
- 2) Remove Headlamp by undoing the two visible T15 Torx Bolts as you look down on the Headlamp the head lamp unit then simply pulls away from the car.
- 3) There is only one connector that powers the headlight and is to be found on the side of the headlamp closest to the grill it is a simple 'pop' connector but it will require a small flat blade screw driver to be inserted in order to allow the plug to be removed.

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- 4) With the headlight removed the aluminium strap where the ballast is to be mounted becomes visible.



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- 5) Take the mounting Bracket from the kit and use a pencil to mark where the holes need to be drilled. Once marked with the pencil use a punch to create a depression in the metal to facilitate a more accurate drilling process.
- 6) It should be noted at this point a drill with a minimum distance of 15 cm from the drill bit to handle must be used as the rear support for the headlamp stops the drill reaching the aluminium strap.
- 7) Drill out the two holes with great care, a good tip is to place newspaper over the sound deadening material as the excess metal that is removed from the holes does not just brush off instead it embeds itself into the material leaving a messy finish.
- 8) Once the holes are drilled fit the brackets to the strap with some self tapping screws I used some thread lock just to make sure there is no movement but I suspect this may be overkill.

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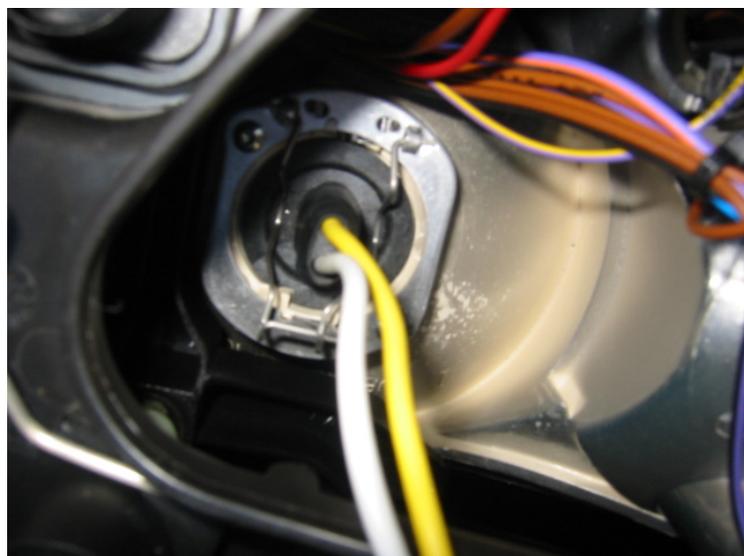
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- 9) Moving back to the removed headlamp remove the backing plate from the unit and drill a 25mm Hole in the back to receive the grommet from the HID Kit.



- 10) Before fitting the grommet thread the power lead through the two unused holes in the grommet and cut to about 45cm and solder on the spade terminals. NB the wires will not pass through the grommet with the spade terminal connected.
- 11) Remove the H7 bulb from the headlamp unit and remove the metal clip that retains the bulb. Carefully without touching the HID bulb fit it into the headlamp housing. And replace the clip around the wires. The clip must be bent out a little as there is not the same depth of recess in the rear of the HID bulb as in the OE one. It is a tight fit but it does go comfortably in the end.



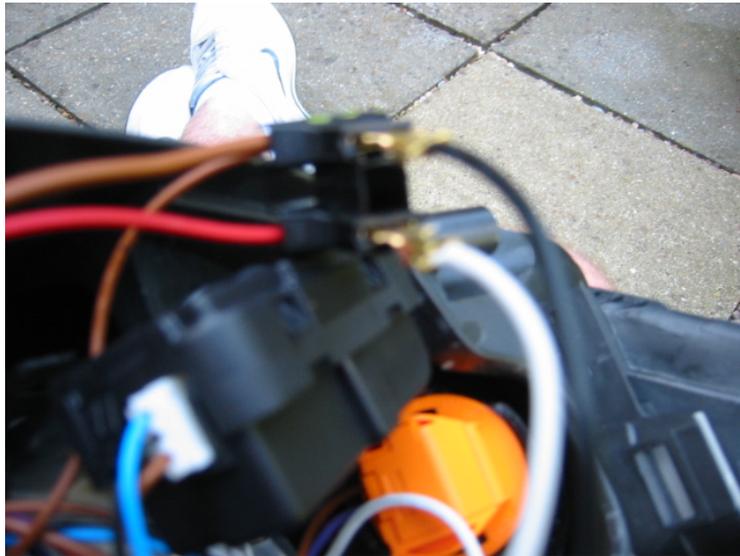
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- 12) Plug the white wire from the kit into the red wire from the cars loom and the black into the connection with the two brown wires.



- 13) Feed the wires and the grommet through the hole you made in the rear of the headlamp housing and replace the back plate.
- 14) Fit the Ballast unit in the cradle that you attached to the car and connect the wire up and plug the cars headlamp plug back in connect all the HID plugs up and refit headlamp in to car.



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15) Repeat process on opposing headlamp takes about 45 mins the pair.

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The Result

