



Brought for £93 from <http://thespeedline.com> (Taiwan)

Delivery to UK was Quick , Stuck in Customs for 2 weeks and charged £25.30 towards their Xmas party! , not speedlines fault , they were very help full and even translated the Guide for me, which they posted on the website , although Dim control wiring is not correct for UK wiring.

### Tools Required

Hex T20 screw driver bit

Screw Drivers various

Insulation tape

20mm wood/plastic drill bit

Red LED 2way Switch (ebay)

3 meters dual zipper 10amp Wire (Maplins)

Scotchlocks

Tie Wraps (some supplied with kit)

Inspection lamp and a torch

### Fitting

Approx 3 hr's

Step 1) Cup of coffee and relax , Remove headlamps, Large flat head screw driver , un screw top screw , using a long length screw driver follow picture guide to push down 2 retaining clips you will hear them click. Lift and pull forward then use flat head screw driver to push tab up on wiring socket and pull wiring out.



## Step 2)

Remove fog lamp covers, these can be very tight, i used a block of wood to push the rear of the fog lamp connectors  
To allow me to just about get my fingers behind, you must then work your way around pulling evenly so as not to break the surrounds.



## Step 3) Remove battery cover, fuse box cover.

For this installation i am adding a Switch with Red LED so i can turn DRL off if i need/want to. First remove Glove box , it is held by 7 T20 Hex screws , also my car has Aircon glove box so i need to remove the swivel switch it just pops off with a flat screw driver , pull forward and remove.



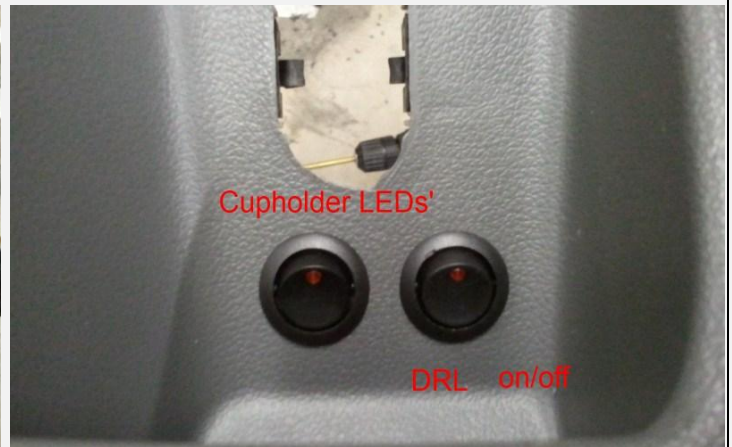
Then remove Right hand side of (Uk car) nearest door panel under Light switches , this is where you will find the Connection for Diagnostics , Use T20 Hex for the one screw and then gently pull cover forward releasing it from side rubber door edging. Un clip the diagnostics connector and remove from the car for drilling.





#### Step 4)

Mark and drill hole for Switch, in this case 20mm switch so 20mm Wood/plastic drill bit is used, I am fitting 2 switches and using the other switch for another project i have done. Drill holes and insert the Switches.

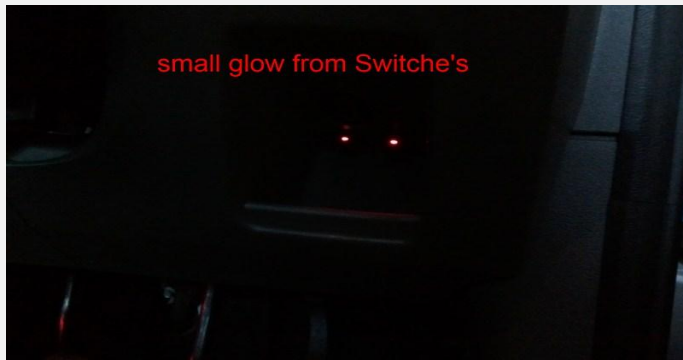


Pull main wire loom Grommet clear and pierce a hole through making sure not to damage any wiring and feed 2 core 10 amp wire through, inside car pull enough wire through to reach where you require the switch, use a guide wire and feed through behind the dash and tape the wires together and then pull back through a stiff wire is your best bet rather than trying to feed a wire that flops all over the place.

Attach Spade connectors and use Shrink Rap to protect, using solder Iron to heat up or you can get the connectors with the covers on, Make an earthing wire about 12" long and add a connector on the end and attach to the 10mm bolt near door pillar for earth the switch so the LED works.

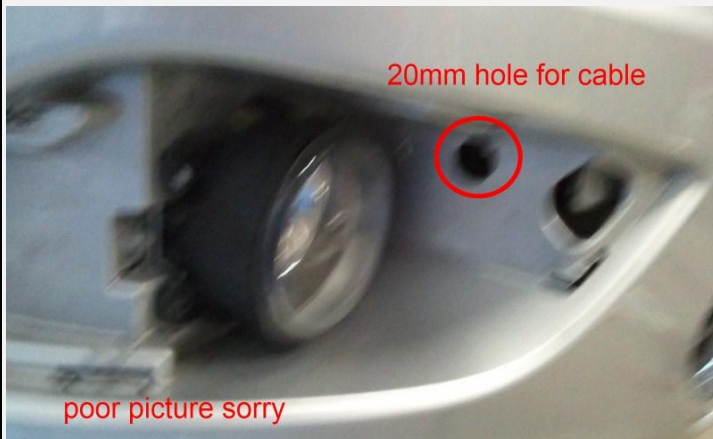


Connect Wires and clip diagnostics plug back in, clip cover back in place and re fit T20 hex screw. Replace glove box, Aircon pipe i needed to use long nose pliers to grip the side pipe and pull the clips back in place as there is no way of getting your hand behind and pushing it back on to the glove box.



#### Step 5)

Starting with the Off side DRL i drill a 20mm hole , see picture to allow wiring to go through and also keeping it away from the fog lamp, fed wires through then starting from the back pushed first clip in , follow by second lower clip and then front bottom clip , edging in slowly. Last top clip is actually the Alloy casing on the DRL , hmmm this was very tight to get in and clip in place , using palm of my hand to spread the load , and other hand inside the light bay started pushing on the DRL and then inside clip position , eventually got it to clip , but it was very tight fit. But on that note the fit of the DRL is perfect flush fitting.



#### Step 6)

Fed wiring to Off side DRL at the top of front grill, down and under front member and attached to the DRL, i then Tie rapped to the front member deliberately not allowing any slack in the cable ( If someone stole the lights they would be rendered useless as the wiring would now be damaged by them pulling them off) Simple 30 seconds to remove front lights to get to the DRL if needed, plus they are no good without the Control units anyway as they are not 12V at the DRL. Also Tie rapped top of grill and in the centre to the Air intake just above the bonnet lock.

Fitted near side DRL exactly the same and then guided the wire harness through under Air filter to the Fuse box.





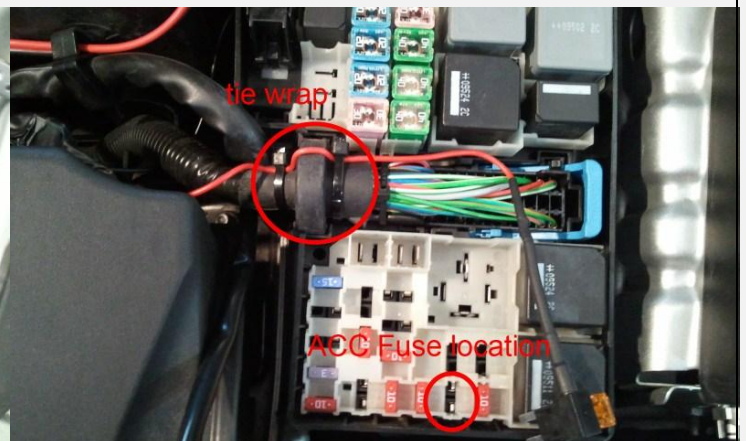
After searching for a place to place the controllers, space is very limited and i did not want to fit them behind the Main lights due to perhaps damp weather, so i opted for the battery lid, first checking there was enough space, i removed the lid onto work top and marked up 4 holes and drilled 6mm holes, i then used 4 small nuts and bolts and attached the controllers to the battery lid. Getting the battery lid back on was/is a little tight due to the controllers, but as it's flexible is not too bad and the gap between the air filter and battery is perfect. Removed after testing and plugged all of the 8 wires from the controller into the feed loom of the DRL's White / Black/Red and Blue.

Cutting the fused feed wire i connected in my switch wires red to pink and black to pink (Harness side) using scotch locks and then wrapping in heat resistant insulating tape.



#### Step 8)

The fused connection is a piggy back system simply take out the 10amp ACC fuse as shown, the piggy back system then has the 10amp fuse plus a 5amp fuse for the DRL's. Insert that into the ACC fuse and then Tie wrap the pink cable before and after the grommet as shown in the picture. Tie wrap all wire's so that none drop down into the engine bay and place them between battery and Air filter .Replace battery cover and Fuse cover.



Connect BLUE wire only to Orange/blue wire in the main head lamp harness if you require Dimming , if you don't require Dimming then connect the White wire Only to the Orange/blue Wire instead , this will then turn the DRL's off when you put the lights on . With Blue or White wires not connected , the DRL's will remain on all the time Ignition is on , They are very bright and this would NOT be advisable as it would be dangerous for other driver coming towards you and could cause an accident. I have seen numerous factory fitted cars with DRL Dimming mode.

Step 9)

Time for testing i will let the pictures do the talking , i'm very happy with the lights as you can see from the pictures they dim by approx 50% when lights are switch on.













Just DRL's on



Getting a little dark but you can see how good they look , very happy with them

Thanks for looking at my Guide

Preee

Paul's guide Do