

## Origin B2 Installation BMW X5

### 1. Remove Instrument Cluster

This is a simple process. Remove the 2 T10 torx screws at the top of the cluster. Then carefully persuade the cluster to come out by gently pulling.



You may need to use a flat blade screwdriver or similar to dislodge the cluster. Now disconnect the 3 connector blocks attached to the rear of the cluster.

### 2. Remove the 16:9 Screen

Follow these instructions <http://www.x5world.com/articles/all-bmw/navigation/9466-widescreen-removal.html>

### 3. Feed the B2 harness through the steering column.



On my car there is a bigger gap to the right of the steering column than the left so this was the obvious choice. You may find you have more space at the left hand side. Now feed the cables through to a point behind the 16:9 screen. It's at this point that all cables will be connected.



#### 4. Disassemble Rain Sensor Housing

I decided to house the GPS receiver inside the rain sensor housing. There is a made to measure space for the receiver. Also the cable for the laser detector can be hidden inside this housing. The housing simply pulls apart.



Reassembly requires some attention to ensure that no cables are trapped.



Once the housing is reassembled, run both cables inside the roof liner all the way to the passenger side "A" pillar.



#### 5. Remove Passenger "A" Pillar Cover

The "A" Pillar cover is removed by unscrewing a single screw hidden behind the Airbag label. The label simply unclips. Once the screw is removed, firmly pull the cover away. This is held in place by two retaining clips.



Now run the GPS receiver and Laser detector cable down the "A" Pillar. I followed the route of existing cables and taped the cables in place to prevent any rattles. Once at the bottom of the pillar feed the cables down to the passenger footwell.



6. Remove Passenger Footwell Kick Plate

This is removed by unscrewing two thumb screws either side and removing a fixing screw on the far right hand side. Disconnect the light and remove the plate.



Now feed the cables down into the footwell. I used a cable tie to route the cables through.



Finally pass the cables up to a point behind the 16:9 screen.



7. Connecting to a switched power feed.

After having read a couple of other articles I learned that the torch power feed is switched and decided to use this to power the B2. There is probably a much better solution to this but it has worked for me. Feed the B2 power cable down from behind the 16:9 screen to the passenger footwell. I took the power directly from the "HandLamp" fuse point and ground to the screw holding the fuse box in place. You will also see an additional inline fuse holder with a 1amp fuse for the B2.



I taped the inline fuse holder into the fuse box.

8. Reassemble in reverse order.

Having connected all the cables and sound proofing the wiring loom it's time to reassemble all items. Prior to doing this I checked that the B2 powered up on ignition and that it picked up satellites and detected laser.

9. The Money Shots

