

WIRING A C-MAX AUDIO AUX INPUT WITH A VISTEON 6000CD

-

Hi All, Here is my experience of wiring in the Aux input on the Visteon 6000CD in my Ford Focus C-Max.

OK I have a 2006 Ford C-Max and unlike in some territories my C-Max does not come with the Aux input wired in, despite buying it from new!

So I set about finding a solution to plugging my iPod / MD / PDA into the head unit using the Aux Input.

First thing I did was ask Ford about plugging an iPod into the C-Max. Was told that that was not an option for the C-Max. Ugh!



Next I talked to the Denison dealer in my area about their ice>Link. I got told by various people at different times that a product was and was not available. This complete lack of help ended up with the only option from them being their universal FM product.

So I decided to wire in the Aux input myself, here is how I did it.

I decided that I wanted to have the Input in a convenient place that I could restore back to original when I sell the car. The options were limited and the one I settled on was the spare blanking face under the Front and Rear heated windows switches.



I contacted Ford Parts and got a spare cover easily from them. The Ford part number for it is 1356067 and should cost about £4.50 / \$9.

It is a stock part and although my dealer did not have it, they got within 24 hours for me.



From Maplin I got a PCB mounting 3.5mm jack socket part number FK20W. I bought this part as it fits snugly into the Ford part that I was going to use. The socket cost about £2.50 / \$5.



With all the parts in hand I then went in search of which connectors on the back of the Visteon 6000CD I needed to use to address the Aux inputs. For this info I went straight to the source, my thanks to those at Visteon who gave me the information, you know who you are. :-)

To remove the Blanking Face simply use a flat bladed screw driver and gently pry the face out of its housing. There is nothing holding it in except the fit of it in the housing hole.

The back of the 6000CD has only two connectors, the FM ariel lead and the Quadlok connector that takes care of everything else. Remove the Quadlock by locating the swing arm clip at the bottom of the connector. Use your nail to open the latch and swing the swing arm up, this eases the connector from the head unit.

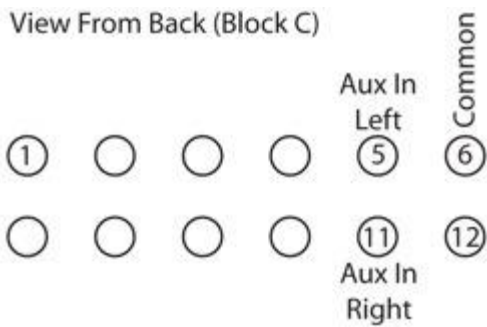
As you look at the Quadlok the section that we are interested in is the C block, that is the white block on the lower left as you look at the connectors.



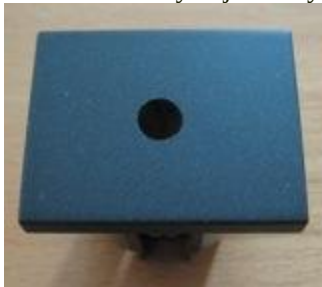
The C Block has 12 pins, 7 of which are wired in by Ford at the factory. The pins that are used by the Aux input are already wired in by Ford, but are not in use !

They are pin 5 used for Aux Left In (Purple and White Striped), pin 11 used for Aux Right In (Grey and White Striped) and pin 6 used as common (Brown and White Striped). Pin 6 is also common for the CD changer cables, whether it is installed or not.

To more easily get access to the cables you need to use, look at the side of the Quadlok and you will see an access hole to the side of the C Block. Push the retaining flange in and the C Block will slide out of the Quadlock. Getting to the cables is very much easier if the tape is removed that is holding the loom together.



To fit the 3.5mm Jack Socket to the blanking plate drill a hole in the exact centre of the face working it out to a 6mm diameter. Wire the Jack Socket, make sure you do not use the normalised points or you will get no audio when you jack in you iPod.



The Jack fits snugly into the blanking plate, you will need either very thin fingers or a pencil to push it all the way towards the drilled hole. It is also easier to work it into the hole with a pen or pencil guiding it from the socket end. Once pushed in place there should be 2 to 3mm of thread clear of the hole. Use the threaded cuff to secure the socket in place.

The cable that you have wired in needs to be at least 2 to 3ft in length, you will be cutting it down once the blanking plate is in place.

There is nowhere to easily use for strain relief for the cable. This is no a big issue as unless you are yanking the head unit in and out all the time. If that is the case use a small cable tie and drill a hole or two.





To get the head unit out you will need four keys. You can not get these from Ford but they are easy to find on line. I got mine from an e-bay seller, outlett. The keys came in from Germany and the seller was very helpful. When the first set went astray in the post, he sent a second set straight away. The Keys cost about £5 / \$10

If you are reading this thanks again :)



Getting the 6000CD head unit out is easy, simply insert all four keys into the 4 slits above and below the buttons at the corners on the unit. The curved part of the keys always face in towards the middle of the unit. Using both hands insert fingers into all 4 keys and pull.



You can link into the cables in any which way you desire, I removed the crimp on receptacles from within C Block and used them with my cables. You could just as easily cut the cables and solder your cables onto them. Its completely up to you.

Remove the keys and reinsert the head unit and your done, one easy accessible Aux Input for your C-Max.

