

## Installation Carplay et caméra de recul ASTON MARTIN avec GPS Garmin

Work carried out on a V8 Vantage MY 2012.00 with Garmin GPS,  
Tutorial incompatible with Volvo assembly

Necessary :

- Rear view camera resolution 800 \* 480 (resolution of the GPS screen)
- 0.6mm<sup>2</sup> wire (5A supported)
- Soldering iron and tin solder
- Female pods (Sicma female pod site [www.roulelek.com](http://www.roulelek.com))
- Cartizan CP2-11 ([www.cartizan.com](http://www.cartizan.com)) or <https://motrade.nl/nl/carplay-android-mirror/universeel/systeem-met-cvbs-hdmi/cartizan-universeel/a-2398-20000276>

Place the vertical bottom above the fuel tank, to do this pass a tool angled at 90 degree between the tank carpet and this part, so as to use it to pull from the bottom, it is just fixed by Velcro and interlocked at the top behind the leather.



Remove the two "black nuts" which secure the tank carpet and pull the latter towards you so as to release the bottom of the GPS access hatch, and remove it, put the carpet back in place temporarily.



Now, you will have to disconnect the battery, see tutorial for this purpose. To take advantage of this reversing camera, it will be necessary to recover the reverse gear signal (+ 12v) either on the red light at the level of the reversing lamp, or on the GPS, but more complicated. Remove the armrest console, to do this, remove the aluminum rail (cut), the battery compartment closing board, see battery replacement tutorial. Using a small hook, remove the leather on plastic cover located between the armrest cover and the flat rear part (it is flexible so you

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have to force it a little and it comes), this frees up access to the two rear torx screws. Place the rubber mat under the elbow at the front of the armrest, this frees up access to the two front torx screws.



Remove this 4 screws, the front ones will leave the internal clamping plate on the insulation, lift and pull slightly backwards, disconnect the cigarette lighter socket, the iPod socket and the Jack socket, take out the armrest and recover its leg of fixation. Remove the two cruci screws which hold the plate which connects the armrest to the central console, disconnect the interlock and cigarette lighter socket, press the gear knob and turn it  $\frac{1}{4}$  turn to the left to disengage it (manual gearbox only) , take out the plate.



Remove the interior trim panel of the left rear wing, to do this: Remove the two cruci screws and the "Aston Martin" plate, appear two heads of BTR screws. Remove the 6 screws and remove the cover from the step. Release the carpet and find the fixing pin in the bodywork, release it by pulling on it. Undo the cruci screw at the back and pull the panel up to pass over the subwoofer, once the panel is free in front and behind, pull down to disengage and remove it. is free in front

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and behind, pull

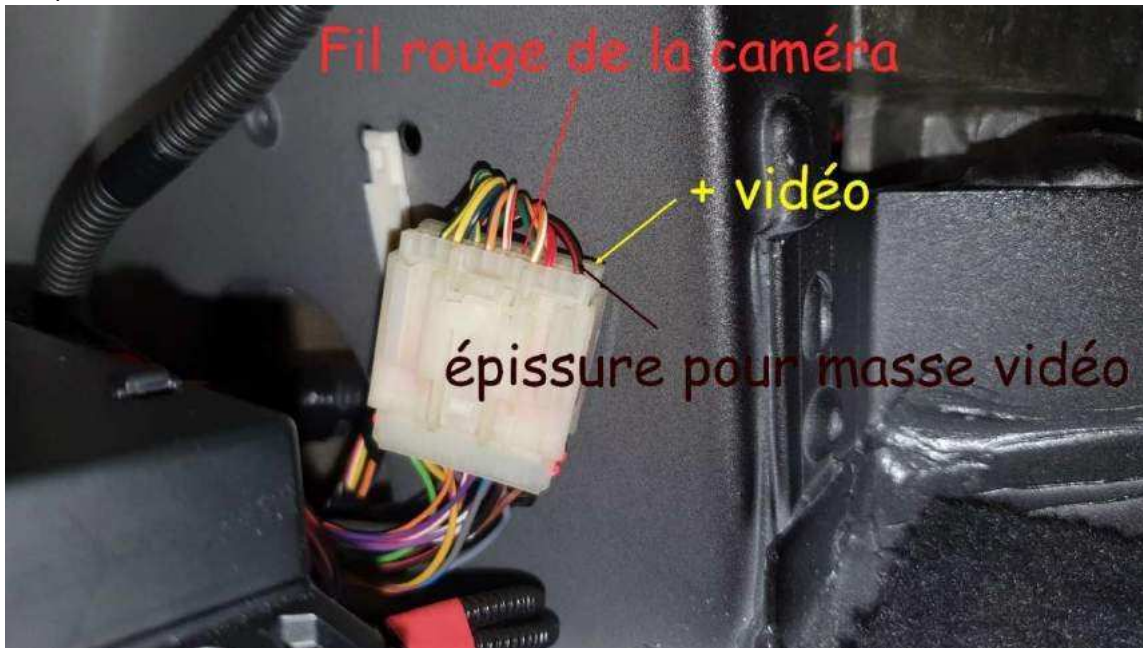


Lift the front carpet on the passenger side to release the fuse box (Torx screw of 30) Be careful that the wires are not against sharp aluminum parts



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Pass the manufactured harness (according to the diagram at the end of the document) between the central console and the fuse box, take out the wires in the fuse box and go to the GPS via the CP2-11 which is fixed on the foam of the left rear fender. We need F77 for the + battery, F66 for the + accessories and F79 for the reverse or take it on the reversing light through the camera wire, as desired. For the connection in the trunk, we find the similarity of the mounting of the camera except that the video output of the CP2-11 is to be connected to the white socket.



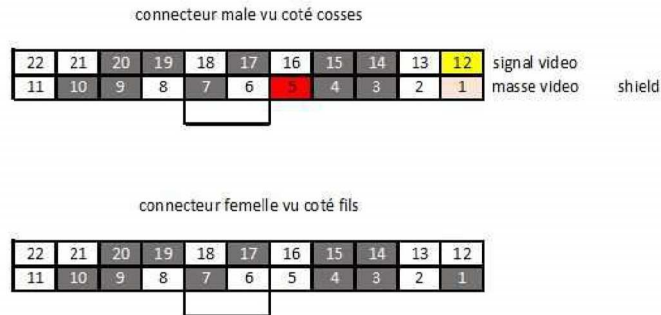
Connect the camera's red + 12v wire to the reversing light's +12, the black wire to ground. What changes compared to the photo above is that we do not connect the red wire of the camera to position 5 of the connector but the wire that comes from the fuse box from F66 (+ acc) and which goes through the switch. The camera is connected to the "camera in" video cable of the CP2-11. We connect the video output wire to the white connector, the core (+ video) to 12 and the shield ground to the black / red wire in 1 with a splice. Refer to the other tutorials to install the camera and pass the wires. There you have a yellow RCA male plug with a small piece of red wire, connect this wire to the "reverse" wire of CP2-11. Strip 1 cm of the camera's ground wire. On the white connector, locate the hole at 5 and 12 empty.



Position 1 is occupied by a red / black wire, this is the shield shield ground.

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Undo the connector to access the top one (female lugs) remove the red lugs locking clips and put the wire from F66 through the switch at 5 and the video output wire at 12 (+).



Now, we are going to make a splice on the red / black ground wire, for this with a cutter blade (be careful with your fingers), remove a little insulation on 1 cm and wrap the video ground cable of the camera around it, solder and insulate with chatterton or other insulation. Surround all the wires with chatterton so that this harness is integral with that of the car. Clip the red part back onto the connector and reconnect the connector to the car. Reconnect the battery and give a test drive, if all is well, turning on the CP2-11 will switch to Carplay mode and when shifting into reverse, the camera image will appear.



Now that everything is working, we will install the two USB sockets in the center console, mount the microphone and the keyboard. For the keyboard, everyone will position it where they want but the wire being quite short, be careful where you place the CP2-11, in my case, I extended the cable to be able to install it in the ashtray. For USB extensions, completely disassemble the armrest box and drill a hole to

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include them (1 for the phone, 1 for music or videos)



For the microphone, I installed it in the ceiling light, where it was originally installed in the old versions, you just have to put the microphone in the foam of the unused cover.



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For the keyboard, adaptation of the ashtray cover by creating an opening and fitting an aluminum plate receiving the latter and the switch. All covered in 1mm thick black leather.



Connect the audio output (RCA Red and White) to the jack socket by purchasing an RCA to stereo jack cable and plug it in from the inside. Personally, I did not choose this solution, I connected directly to the connector under the console, the jack will no longer be usable and anyway already unused in my case.



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Repeat all tests and reassemble in reverse order.



Enjoy !

### NOTE

This procedure was performed by an individual, it is intended to help other people perform the same operation. This is an explanation of the operations that were carried out, it is by no means an official procedure to be followed to the letter, because of the site's no responsibility of the author of this procedure could not be initiated in the event of damage caused by incorrect operations carried out or due to improper understanding of the explanations, or because of an error in the procedure itself. Reproduction and use of this document are entirely free and free as long as its origin, the nickname of the author (s) and this charter remain clearly visible. Any commercial use of this procedure is **STRICTLY PROHIBITED**.