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# Instruction Manual Customtronix GM ICOS GMAX conversion HMI take-out manual



## CHAPTER

- 1 - INTRO
- 2 – NEEDED PARTS
- 3 - REMOVING THE HMI and RADIO BOX -intro
- 4 - REMOVING THE HMI
- 5 - REMOVING THE RADIO BOX
- 6 - FM-RADIO MODELS (no GPS function possible).

## 1 – INTRO

You must take out the HMI from the car and send it to us in Sweden. When you remove the HMI you can not drive the car, read further below. You can drive without the RADIO box but not without the HMI. A HMI-connector (HMI-Plug) allows you to drive the car while your HMI and radio/Nav is sent to us for GMAX conversion. When ordering our ICOS GMAX, we give you one for free. Order on our website if you need more.



*GM GMAX HMI-PLUG*

## 2 – NEEDED PARTS

We need to have the following parts sent to our lab for modification:

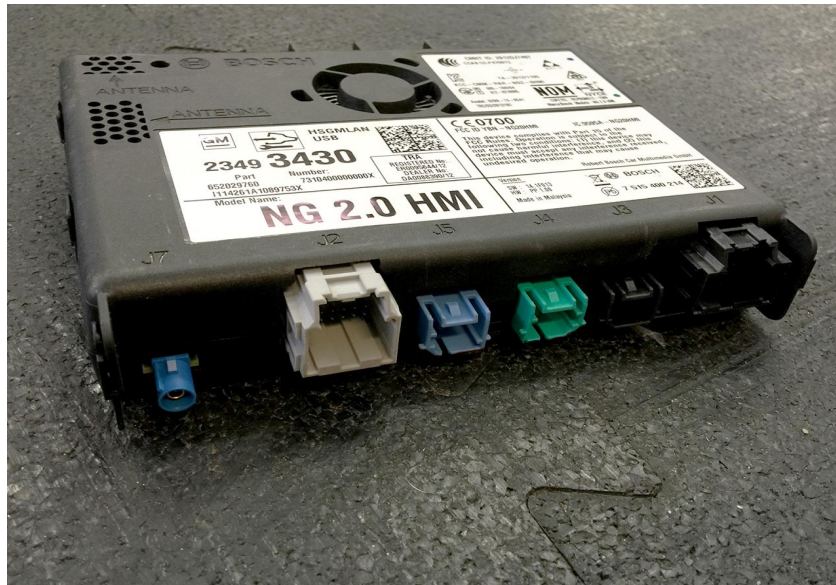
1. The Radio Box.
2. The HMI





### 3 - REMOVING THE HMI and RADIO BOX - intro

This is the HMI. When the HMI is pulled from the car it will not start! However, the special HMI-plug allows you to drive the car while your HMI-radio/Nav is sent to us for GMAX conversion. Make sure to park your car where it should be or/and have the HMI-plug available.



... and below is the radio part. Now let's get busy!



#### 4 - REMOVING THE HMI

The HMI is usually mounted behind a plastic cover which in turn is situated behind the glove compartment. Remove the glove compartment and then remove the plastic cover. The HMI is usually mounted vertically behind the dash. Please be VERY careful when removing the GPS-antenna connector. It breaks easily and if that happens it needs to be replaced which is very time consuming. It is difficult to remove by hand but easy if you use a pair of small tongs.

The following photos depict a GM Silverado 2015. All vehicles have somewhat different design, but to the location of the parts we need are roughly in the same places in other vehicle models as well.



Open the glove compartment..

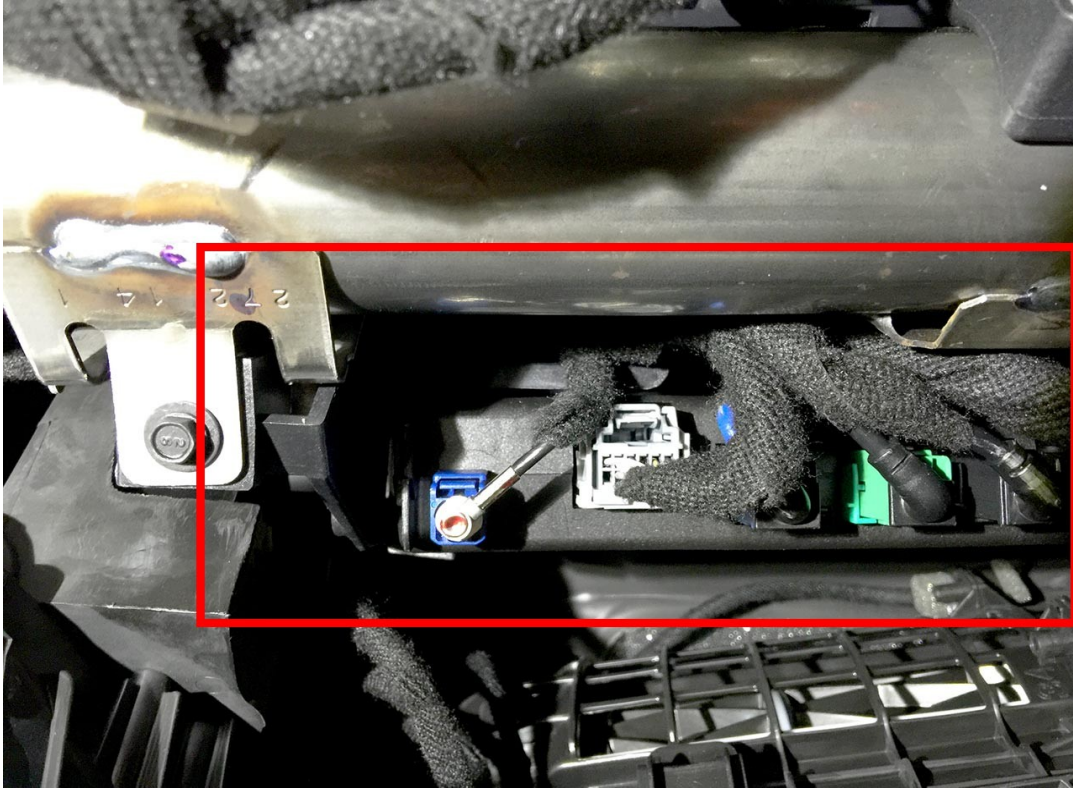




After opening the glove compartment, you need to remove the glove compartment completely to get access to the plastic cover behind. Don't forget the strap on the right hand side.

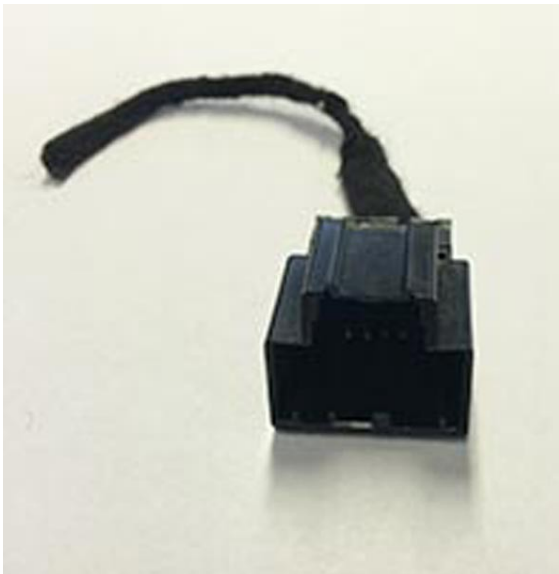


This black plastic cover must be removed (pic above).



This black box is the HMI. Be careful when removing the GPS-antenna connector. Use a small pair of tongs as it is difficult to remove by hand.

After the HMI has been removed, the vehicle's engine can not be started. To fix this problem, please connect our Customtronix HMI-plug to the black connector that you just removed from the HMI. The vehicle will now run normally again with the HMI-plug plugged in.





## 5 - REMOVING THE RADIO BOX

The radio is usually mounted behind the monitor and how to remove the required panels is different for every model of vehicle. Be careful and use plastic tools to avoid scratching your panels.



Again, this is a GM Silverado 2015. Gain access to what is behind the monitor.

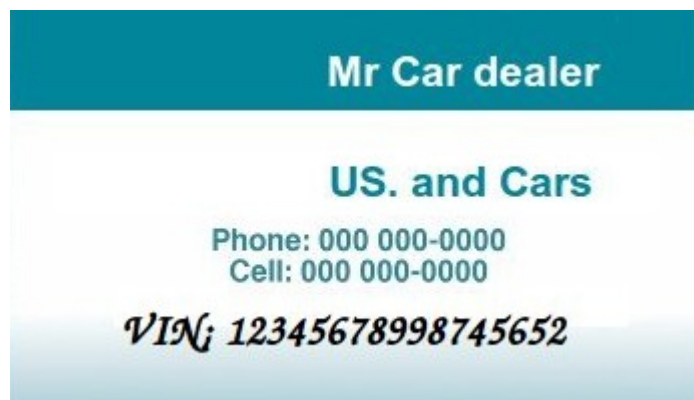


The radio part is marked in red.

Send the HMI and radio part to our lab in Sweden to have them modified with Customtronix GMax software. When you send us HMI:s and radio parts to have them modified, please mark them well with make, model, year and VIN number!! Every car model has different settings, and we need to set the parts up accordingly. If you don't mark your parts, we will not be able to do our job and your service will be delayed. Please make sure to cooperate with us on this point for everybody's convenience!

Also, please make an order on our website, print it and include it in the box you send. This makes it easier for us to know who owns what.

**Use one of your calling cards and attach it to the RADIO and HMI boxes.**



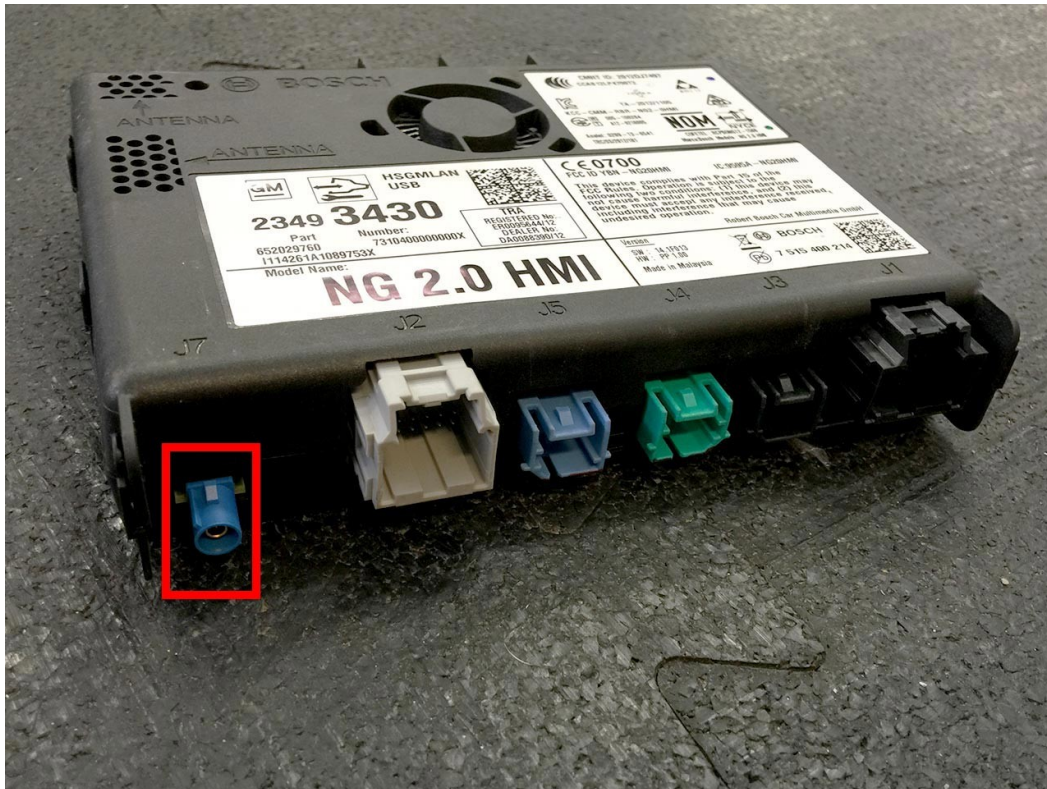
When you receive your parts back, please re-install them back into the car you removed them from and test. It is important to write the VIN on every part so you know to which vehicle to return the parts. They can NOT be interchanged between vehicles, as the theft lock will kick in and stop you. This is extra important for dealers who send us multiple sets in one go to have them modified all at once.

When testing the parts, you **MUST** install them properly into their respective compartments in the vehicle. If you leave the HMI hanging by the cables while you test, it will go absolutely crazy. This is because the gyroscope inside the HMI gets unnatural inputs and the system gets confused if the HMI is not properly installed when running.

After you re-installed your HMI and radio part and turn the ignition on, everything should work fine. In rare cases, it can start with a black screen with red text saying "Calibrate Device". If this happens, turn the ignition off, open and close the driver side door and wait for 2-3 minutes for the system to shut down completely. Then turn the ignition on again, and everything should work fine. This is rare, but when it happens it happens only the first time. It happens because the HMI needs to pick up new settings from your car. The next time you start the vehicle, all is set and ready to go.



## 6 FM-RADIO MODELS (no GPS function possible).



If the connector for the GPS-antenna (marked in red) is missing on your HMI, then your HMI is a model that does not support GPS-navigation. We can still set the radio to support European frequency settings.

If you need GPS-navigation in a vehicle where the connector for the GPS-antenna is missing, you need to replace the HMI with one that supports GPS-navigation. HMIs without navigation lack vital components inside and can not be modified to have GPS-navigation and must be replaced.

Please contact us for more information.

Customtronix (C)