# Installation instructions
# BMW E30 OBC replica

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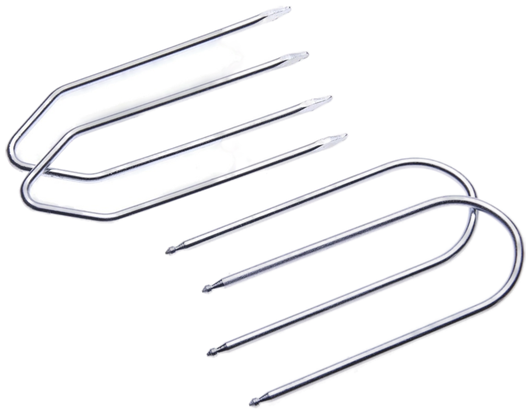
# Tools needed:



Headunit removal tool (depending on your unit)(

Phillip head screwdriver

Long pair of pliers (optional)

Flat screwdriver

Short phillip head screwdriver

Drill (optional)

Ratchet and sockets

Spanner

Zip ties

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1.Remove the ventilation knobs

Let's begin gently, simply pull on the ventilation knobs to detach them.

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## 2.Remove your radio

Start off by removing your headunit. Some special tooling by be needed depending on its model:

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## 3.Pop out the switches

Pull out the warning and rear windshield heater buttons and disconnect their wiring. Remove the switches in order to access the screws behind designated slots.

## 4.Unscrew both top screws

Unscrew both phillips head screws. Be careful not to have them fall behind your center console. Both screws are tilted forward.

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5.Unscrew the ventilation knob nut

Unscrew the nut by loosening it with a long pair of pliers onto its grooves.

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7.Pull out the ventilation zone sliders

Just pull on them!

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## 8.Pull out the ventilation zone plate.

Pull out the ventilation zone plate.
Try to reach inside the sliders with a flat screw-driver in order not to scratch it.

# 8.Unscrew the ventilation module

Unscrew the four phillip head screws to detach the ventilation module

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## 9.Locate and unscrew the two bottom screws

Locate and unscrew the two phillips head screw bellow the ventilation module using a short screwdriver. Pushing on the panel might help.
The center console is now free to be pulled out.

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10. Pull the center console panel out

Unmount the center console by grabbing it from the headunit slot. It will pivot from the left. Disconnect whatever wiring remains.

Make sure not to lose the bottom tabs!

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## 11.Uninstall your clock/OBC

Remove whatever you had mounted in your OBC slot by unscrewing the four phillip screw.

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## 12.Install the sensors holder

Now let's get to the sensors! Locate and uninstall your oil filter cover. Replace it with the appropriate sensor mount (available for sale on the website). Don't forget to transfer the gaskets.

## 13. Install the sensors

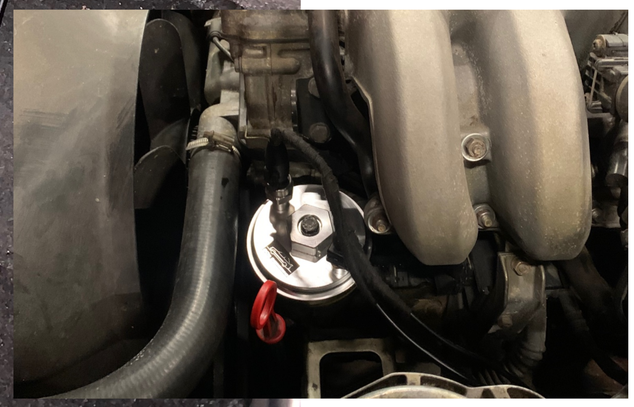
Screw down the mount and its sensors. Make sure to leave enough space above the pressure sensor as its wiring is tall (~10cm).
The pressure sensor should not be tightened at much more than 15nm (12ft-lbs).

## 14. Drill through the cable grommet

Remove the underdash knee panel by loosening the 4 quarter-turn screws.
Locate the cable grommet and drill it like shown on the picture.

## 15.Feed the wires through the grommet

Connect the sensors to their respective wires.
Feed the connectors through the grommet. Using a long pair of pliers to grab the cable from the engine bay may help.



## 16.Install the OBC.

Install the OBC on the center console panel and plug in its harness. The device should power up as soon as you connect it. Connect both sensor connectors and make sure everything is working.

## 17. Secure the harness

Secure the harness with zip ties in the engine bay and cabin. Put the underdash cover back.

## 18.Reinstall the center console

Tricky step - Start by fitting the left part of the center console panel into the dash. Make sure not to lose the bottom tabs. You can already replace the ventilation module and screw it down with the 4x phillips head screws and the knob nut. Then the whole center console panel should slide back in when you push it.

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## 19.Reinstall everything back

Reverse the first steps to reinstall the knobs, screws,plate and head unit. Pushing the center console like shown can help to fasten the bottom screws.

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## 20.You're done!

Your OBC replica should now be fully operationnal! Enjoy it well.
For anymore information feel free to reach me at contact@80s.engineering or on instagram at @80s.engineering for a faster answer.
Thank you for your trust!
Bonne route.

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