

Disclaimer:

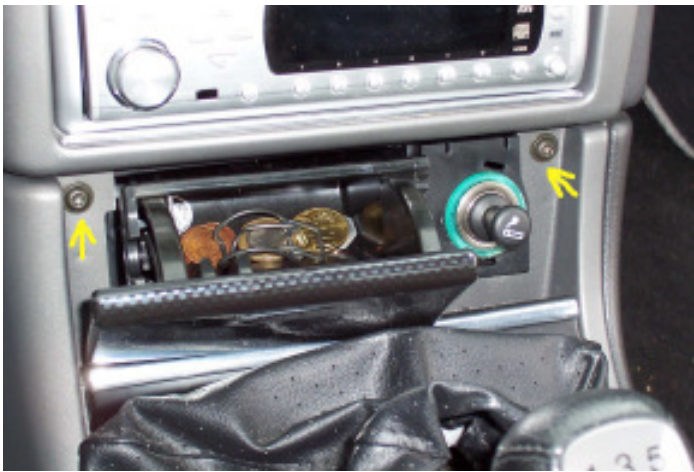
I'm not responsible for any harms or problems due to changes according to this manual. You do all the modifications at your own risk.

What you need:

- 1x Torx screwdriver size T27
- 1x flat head screwdriver
- 2x fine flat head screwdriver
- 1x Nut size 7

Before you start you should turn the engine on and note the position of the temp. and the gas needle. Easiest way is to take some pics with a digicam. If you don't want to worry about the position of the gas needle just fill up your tank before taking everything apart.

1) At first you have to remove the ashtray and the black plastic cover of the cigarette lighter



2) Then remove the first two torx screws.

3) In order to be able to access the next pair of screws you have to remove your radio. If you still have your Ford stock radio you need two metal clips you can insert in the holes at the left and right side of the radio. You will get those from your Ford dealer. Aftermarket radios can be simply removed together with the DIN-adapter frame.

4) Remove the two screws at the top of the hole where your radio was in.



5) Take the two fine flat head screwdrivers to pry out the button bar.



6) Unplug the four plugs at the back.



Those plugs have a small plastic nose at the right side that needs to be pressed down to get the plugs out.

Then the screw at the right side needs to go

7) You can now remove the first piece of the dash.



It's held in place by three clips at the top.

Caution: The two plastic pieces (marked in the pic below) in the picture are stuck behind the center console so you won't be able to pull it out. You have to lift it up a little bit until those plastic pieces come out.



Now remove the thermometer and the plugs of trip computer.
The thermometer is just clipped in a plastic frame.
Just like the four plugs before the trip computer plug has a little plastic nose that has to be pressed down to remove it.
The cables for the HVAC don't have to be removed.



8) Remove the three screws (s. pic above)

9) Remove the cover underneath the steering wheel.



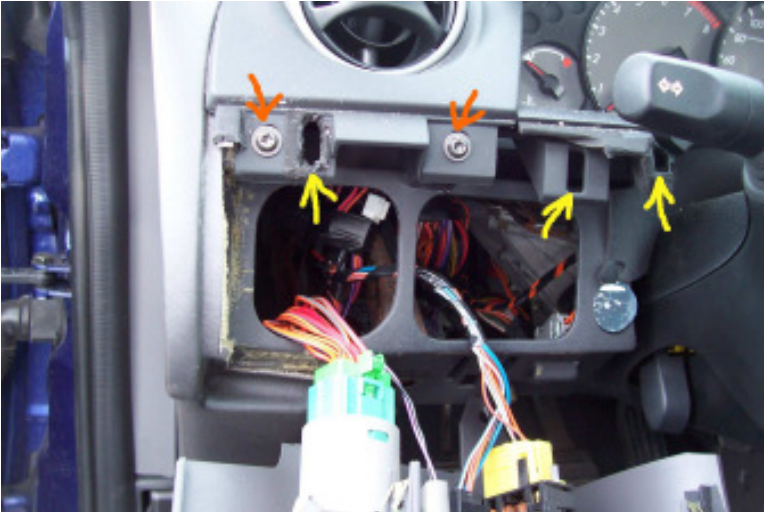
Again take the fine flat head screwdrivers and pry out the two round plastic covers.
This gives you access to two screws which can be removed by using a size 7 nut.
Now it's only held in place by four or 5 clips. Simply pull it out. But be careful the clips can be very strong.

Caution: Take care that you don't lose any of the metal clips.

10) Remove those two screws now



11) Pull out the plastic piece that holds your headlight knob. It's also held by three clips (yellow markers). Then remove the two screws (orange markers).



12) Pull up the black cover. It's held by a couple of clips just like all the other pieces.



13) The housing of the instrument cluster is attached to the dashboard by four screws.



14) When the screws are gone you can take out the complete instrument cluster and remove the two plugs in the back.

As you can see they are secured by a black bracket. Take a flat head screwdriver to press down the plastic nose of the plug to be able to pull back the bracket. When you pull it back the plug should come out automatically.



15) Now remove the black cover at the front of the instrument cluster. It's fixed by five black brackets. Three on top and two at the bottom. Be carefully that you don't break them.



16) In the next step we have to remove the needles and the old gauge face. They are quite hard to remove. So the best way is to use either two very small forks or the two flat head screwdrivers to pry them of. Take your time for this!



With the needles gone you can now take off the gauge face.



17) Put the new gauge face on ☺



18) Before we put everything back together we have to place the needles at the right position.

Connect the instrument cluster to the two plugs and it in the dashboard with the four screws.

You should be able to drive around a little bit.

Now put your key in the lock and turn it to position II.

Put the watertemp. and gas needle on the right position. If you have filled up your tank just put the gas needle to max.

If you haven't driven your car today put the watertemp. needle to min.

You can check your water temp later when you start your car in diagnostic mode. (just a hint: by a temp. of about 90°C the needle should be placed in the middle)

19) To get the right position for the rpm and speed needle start your car in diagnostic mode.

HowTo:

- 1) Press down "Reset" and "Units" on the trip computer
- 2) Start the engine of your car (the needles put on before will ping out and return to min.)
- 3) Release the "Reset" button, then "Units"

Now you see all kind of different data in the left LCD in your gauge. By pressing "Select" you can go through the different output.

Select the rpm output. It should be around 750 – 800 rpm when your engine is idle.

With this data you can put your rpm needle back on.

Then it's getting a little bit tricky. And you will need a partner for this.

Press "Select" till you see the speed output. Drive to a nice and quiet parking lot or street.

The guy on the passenger seat has to steer while you drive at a constant speed and place the needle at the right speed which is shown in the LCD.

That's it! Now put everything back together and enjoy your new cool gauge face ☺

Tom