

# Montreal heater note

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Hereby I would like to show step by step how to repair the heating unit (without A/C). I can only describe how I managed to do it and how it worked in case of my car.

The heating unit is fixed underneath the dashboard and consists of the cooler, the electric fan and the heating valve which gives way to the (warm) water to circulate.

For repairing you have to dismantle the complete unit.

## First step is to remove the center console.

1. Pull off the shifting knob and take out the ashtray (is just clamped in), underneath there are 2 screws.
2. Next thing is to unscrew the heating gears (pull off the caps and unscrew the 2 screws).
3. Last step is to unscrew the radio console (2 screws under the radio left and right, also fixed with these screws is the lightening of the switches; take out the radio).



4. Last thing to do is to separate the wire harness (3 parts). There are several cables leading to nowhere in case of a car without A/C, so do not worry about that. Then you can pull away the center console.

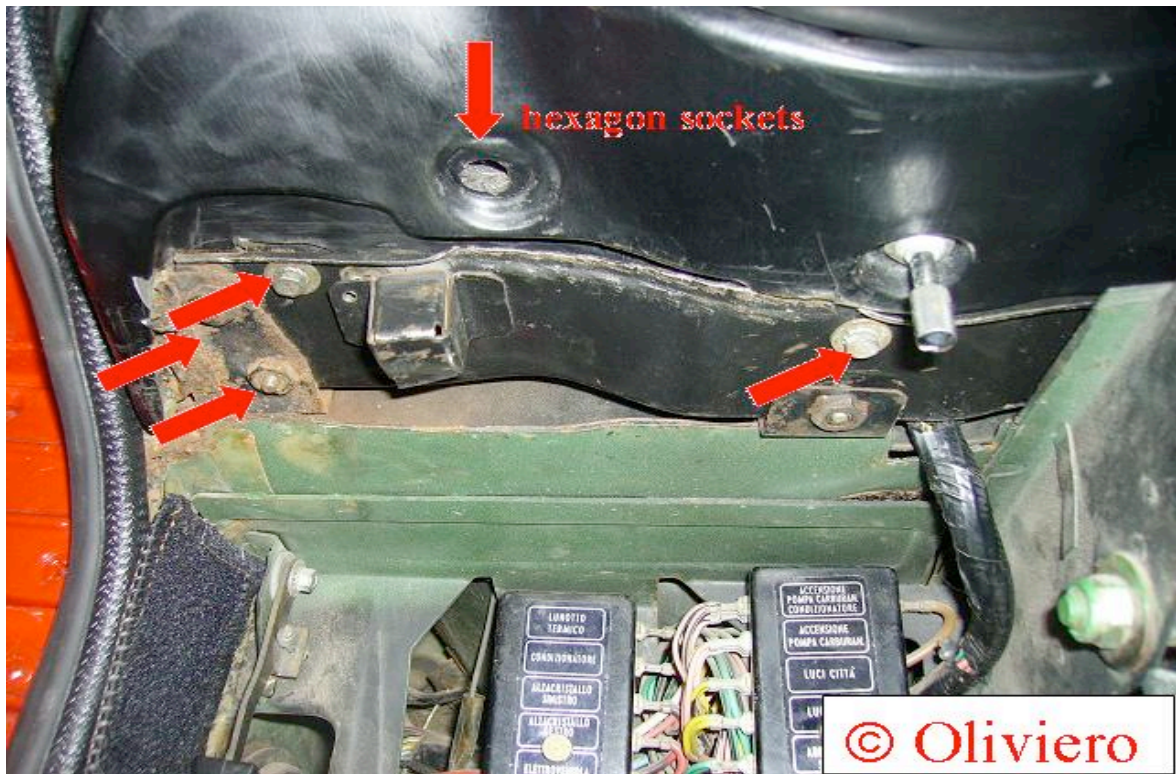


Then you have to dismantle the dashboard which consists of 2 pieces, the upper and lower one.

**First the upper part of the dashboard:**

Remove the cover of the gauges: 2 hexagon sockets underneath, clip off the cables of the turn light. Open the fuse box, there you will find 4 screws





Then turn to the center - there are also 2 screws, at last there are 2 little black hexagon sockets in the console above the glove box.



After having done so, you can move apart the upper part of the dashboard.

### **Lower part of dashboard:**

The lower part is fixed on the right side on an instrument panel beam, you can see the screws very well. Follow the beam to the left and find more screws.





One screw is stated below, where the hand throttle is mounted (also unscrew the hand throttle)

Pull off the cables of the floor light, now you can pull out the lower part, but be careful not to claw the cover of the steering column or the gauges.

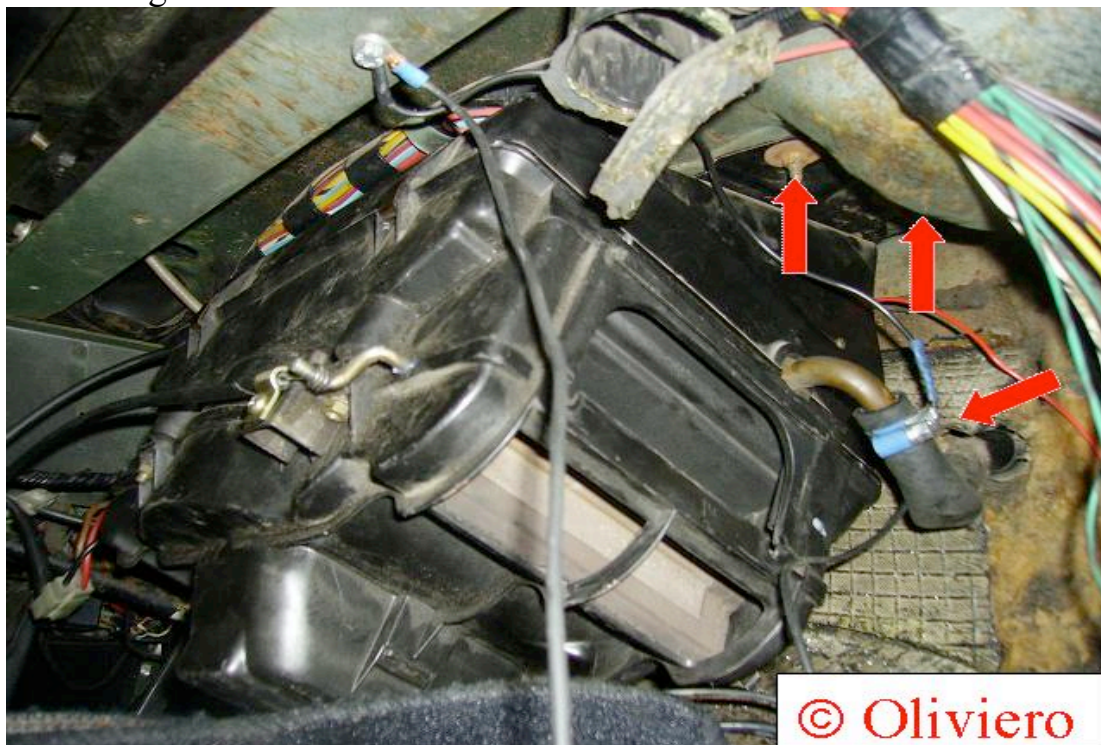


So the flow path comes to the **heating console**:

It is fixed with 4 screw nuts (8mm) which are easy to reach, also pull off the 2 cables of the heating motor and the 2 hoses (ingoing to the valve on the left side, outgoing from the



cooler on the right side). Take care of the water coming out of the hoses. Then you can pull out the heating unit.



**Now you have to dismantle the heating unit:**  
it consists of:

1. Upper part with the hatches
2. Middle part with the cooler
3. Lower part with the fan and hatches



As the work of dismantling is hard going it makes sense to renew the cooler and the fan (of course these parts can be repaired). To make it easy in this manner – the complete heating unit is similar to all 105 Alfas, I used a refreshed unit of a 2000 Spider for an exchange!

After this you have to reassemble. Take care of the air hoses which bring the air to the nozzles. Assembling is in reverse order to disassembling, what surprise...