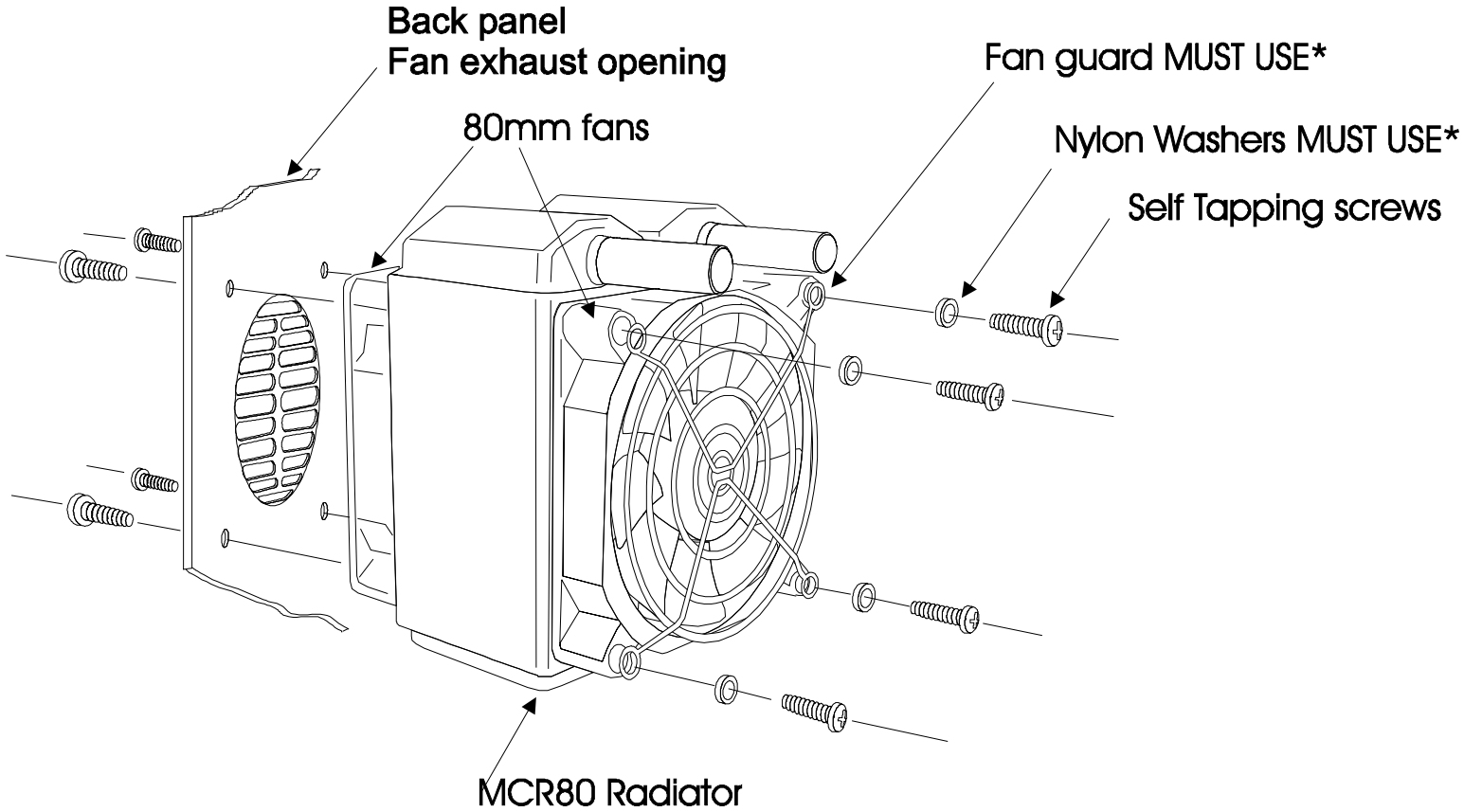




# MCR80-F™ RADIATOR INSTALLATION GUIDE

Packing list

MCR80 radiator	1	80mm fan guard	1
#6 X 7/8" Philips screw type B	8	80x80x15mm fan	2
Nylon washers	4	Double snap grip hose clamp size C	2



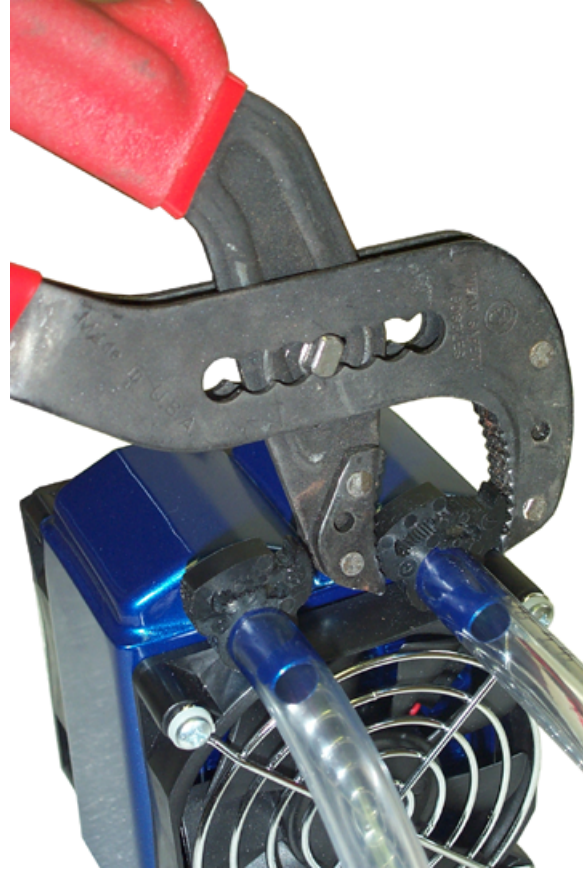
\*Note of caution regarding the inlet/outlet side of the radiator:

The fan guard and nylon washers **MUST BE INSTALLED** when using the provided self-tapping screws. They are necessary to allow sufficient clearance between the tip of the screws and the radiator core. Failure to use them will systematically result in permanent damage to the radiator, as the screws will otherwise punch a hole in the core channels. Users are advised that such damage is not covered under our warranty.

Likewise, if fans other than the provide 80x80x15mm fans are installed, users should carefully check the clearance remaining between the retention screws and the radiator core.

**Installing the tubing:**

It is usually easier to install the tubes before the radiator is fastened to the case. Cut sufficient length of tubing to connect to the rest of the circuit and tighten the clamps to the radiator inlet and outlet. There should be only 3 to 4 notches left “open” once the clamp is fully tightened.



**Electrical connection:**

Once the radiator is installed inside the case, the final step is to connect the molex connector to your computer power supply.

**Radiator specifications:**

- Height: 4.1" (104.8mm); Width: 3.25" (82.5mm); Depth: 3.2" (81.6mm)
- 2-pass 80 mm radiator specifically developed for PC CPU and VGA liquid cooling
- Double-row high internal volume design
- Rated for 236.6 KCal per hour (938.89 BTU per hour) or 275W
- 80 mm (3 inch) Copper core consisting of flat tubes for maximum heat conductivity
- High-density copper fin configuration for enhanced heat dissipation
- 3/8" OD inlet and outlet for use with 3/8" ID tubing.

**Fans specifications:**

Each fan:

Part #	Voltage (V)	Current (mA)	Revolution (RPM)	Volume (CFM)	Max Static pressure (InH2O)	Sound Noise (dBA)
G8015-L	12	120	3200	29	0.11	32