

Sandra,

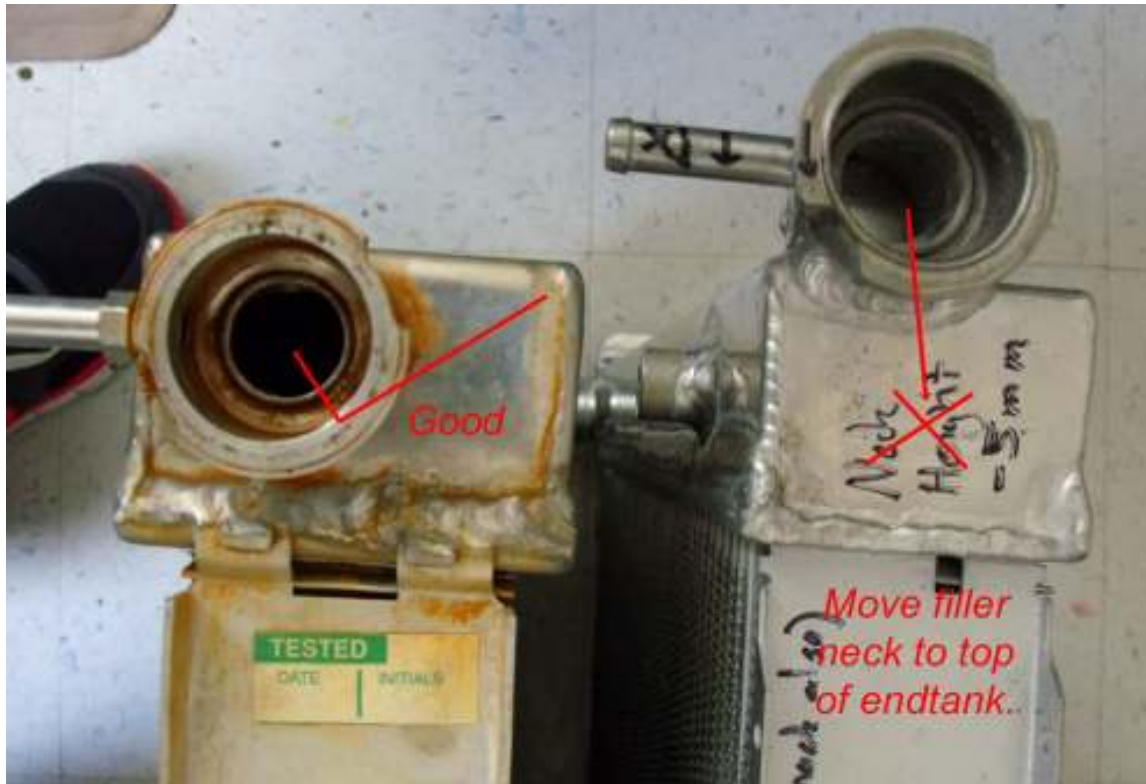
Russell and I have gone over the 300ZX Radiator sample that you sent several weeks ago and there are several changes that we would like to look at before we start production. We are hoping to get this as close to perfect as possible. If we can get all of the changes made correctly to our specifications we will be able to sell a large quantity of these. Please keep these changes exclusive to Z1 Motorsports so that no one else can buy the radiator with the changes we have made.

The sample radiator looks nice but we would like to work on making the following improvements.

I will try to start at the top and work my way down.

SEE BELOW ON THE NEXT PAGE!!

The first thing is the filler neck. We would like to relocate this to the top of the fill tank instead of offset to the side. We would also like to shorten the height so that the top is 15mm above the tank.



We also would like the filler neck mounted similar to the picture below. It is welded from the inside before the tank is installed. This way you don't see any weld on the outside.



Notice how the flange is welded on the inside of the tank. There is no weld on the outside. We would like this done if possible.

The overflow nipple. This needs to be shortened to a length of 20mm.



The cap we would like to end up running parallel with the radiator when installed.

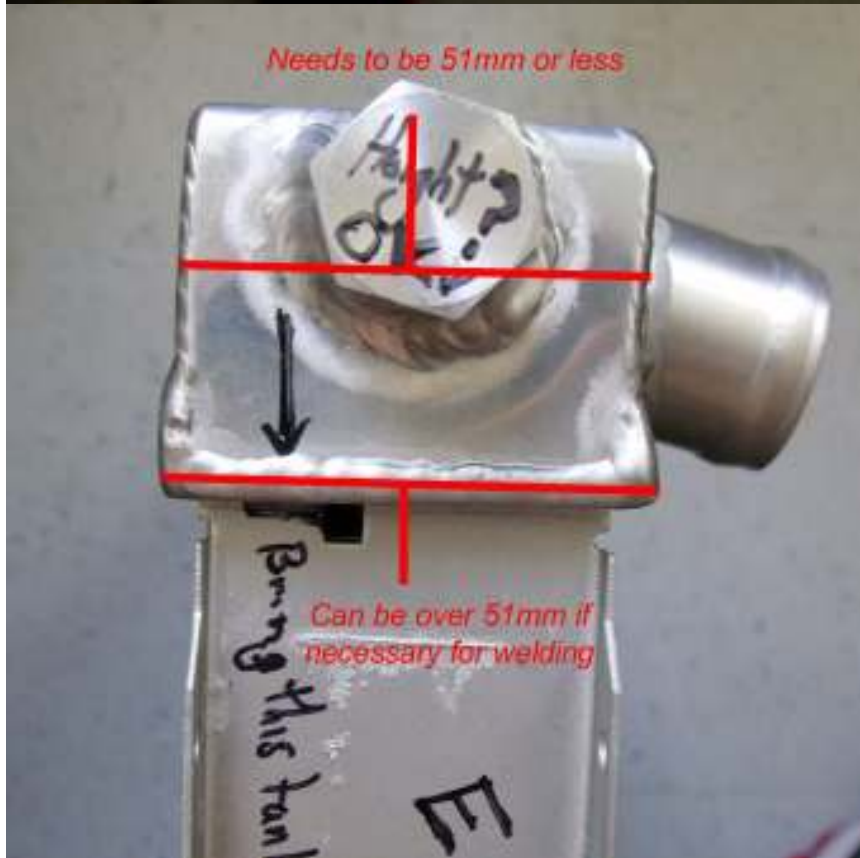
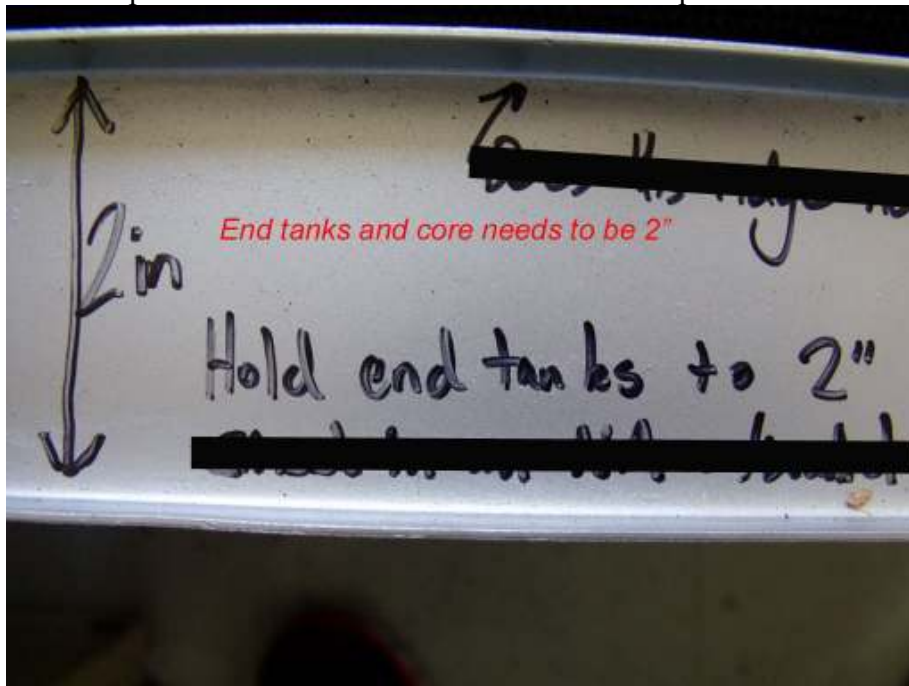


On the other end of the top the air bleed screw needs to have a little thicker head to make it easier to fit a wrench on. 5mm instead of 3mm.



If the screw-in insert could be recessed into the tank and welded from the inside like the filler neck above that would be great. It would solve our height issue and would look cleaner.

We want to keep the end tanks and radiator core less than 51mm. Everything is very tight in the front of the car and the closer to 51mm we can get the better. If they need to be a little over where they connect to the core it is ok but the ends of the tanks need to be 51mm or smaller. If there is a problem with this due to radiator core size please let me know.





Needs to be less than 51mm

We need to shorten the core and bring one of the endtanks in about 5mm. The mounting points for the fan shroud also need to move in about 5mm. More on mounting points will be mentioned later. The mounting feet need to stay the same distance apart. It needs to move toward the end of the tank 5mm more.



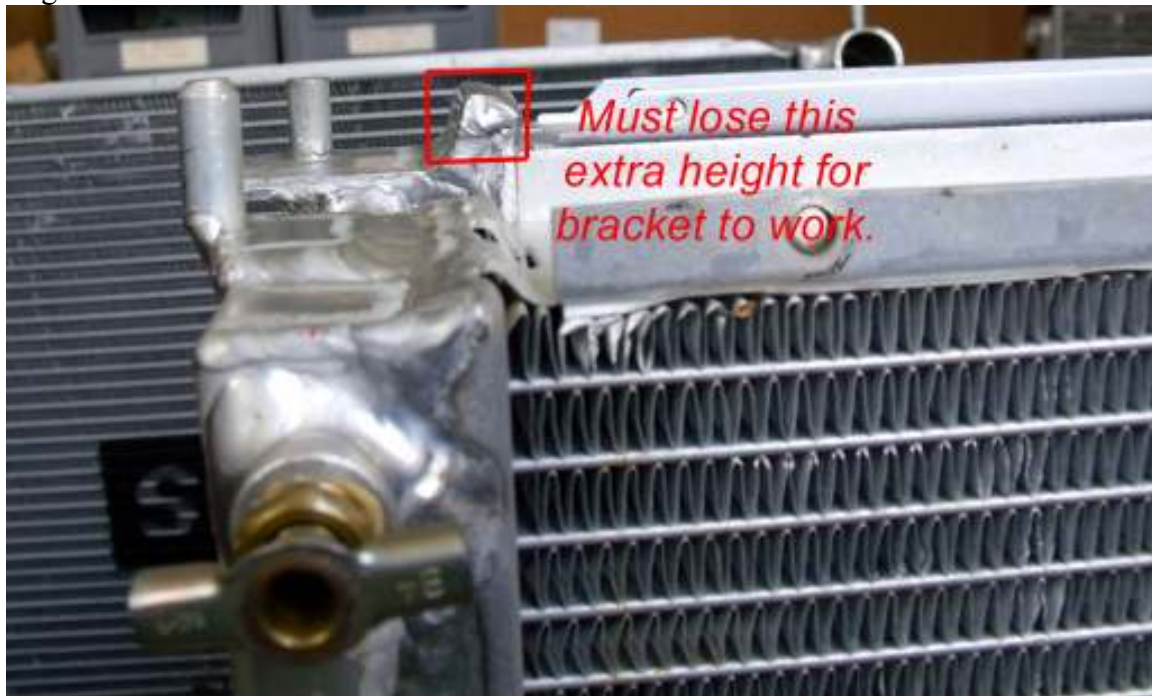
There are two things on the bottom.

The first relates to the mounting "feet". The material that extends past the "feet" needs to be removed and made as compact as possible.





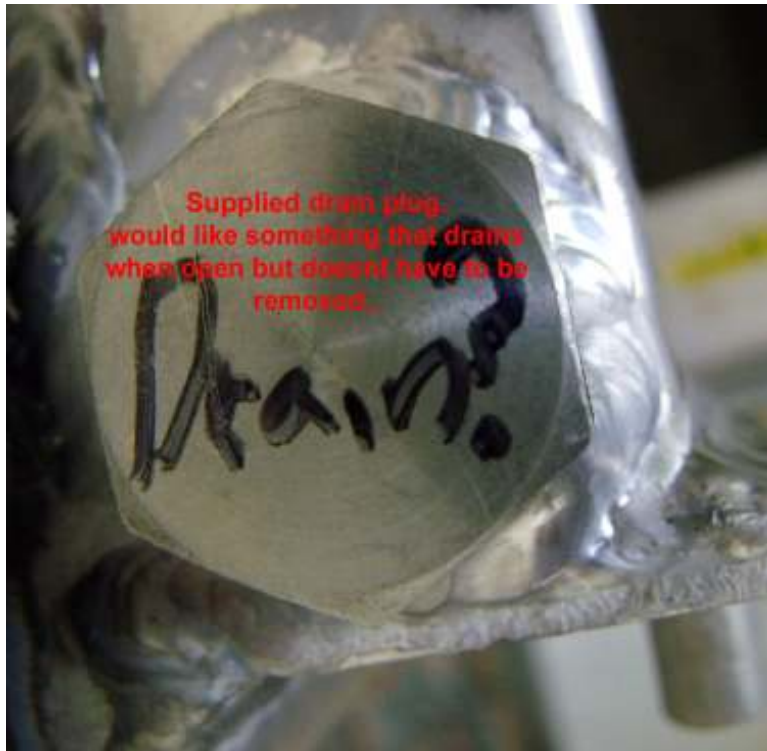
The other thing is the lip or ridge between the core and endtank needs to be removed. The bracket we make that allows a TT radiator to be mounted in an NA car will not work with this ridge.





We would like to see if we can get some kind of drain plug that will drain without being removed but drains when "Open". The following pics shows one example but anything comparable may work.





Shroud Mounting:

The fan shroud didn't fit with the mounting points as they stand now. The following pictures outline the changes that need to be made to get the shroud to fit.





Needs to move up 10mm
and out 5mm



1 row needs to be removed from
bottom of radiator



The last few things I would like to talk or ask about is the fact that we always want the welds to look as nice as possible. They need to be strong without a lot of buildup.

Most of the welds on the sample look good we just wanted to stress how important it is to maintain this.

The other question I had is that there are two rows in the radiator core but they are not equal size. Most of the other radiators I have looked at have two or three equal sized rows inside. I am not a radiator expert and if there is a reason for doing a small and large I would love to find out. We want to make sure we have the best and most efficient core that you have. If it costs a little more we would still like to get the best core.

There is a bracket for mounting the radiator hose that we would also like to have made. There are pictures below and a drawing as well.



