

How to polish aluminium

Step 1. This is the aluminum intakepipe on the 7MGTE supra turbo engine that is very visible on top of the valvecovers, sitting there looking quite ugly normally.. but thats about to change! Very rough surface with pores and marks from the casting as you can see:



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Step 2. First i used a file to remove aluminum casting marks. This will make very rough scratches but the file will remove unwanted material very fast, and that is what i want:



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Step 3. That's a little better.. or at least it's a good start of a long day:



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Step 4. Here you can see how rough an aluminum casting surface is and very deep scratches the file made :



"An apple a day keeps the doctor away" .. please leve my pictures and words here, thanx for reading this!

Step 5. Now its time to make the aluminum surface smoother! I used the 3M scotch grinding tools on an ordinary electric drill with an extra chuck. The smaller chuck with quick-lock makes it easier to reach without damaging the aluminum surface. Here we go! Warning - aluminum dust is very hazardous to inhale!



Step 6. After a while the aluminum surface looks much better. Lots of heavy scratches but the surface is much smoother. Prepare to spend some time at this stage. As the surface gets smoother we can see pores, and of course they show were we dont want

them... were they are most hard to grind:



Step 7. I decided to get rid of these casting marks too for a cleaner result. Very heavy grinding tool, almost to much unnecessary violence:



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