



Wings Forum

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- [Board index](#) < [Homebuilt Experimental Aircraft & E-LSA Forums](#) < [Kolb Aircraft](#)
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[Fish Scales \(Engine Turning\)....Floor pan first....Then ?](#)

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9 posts • Page 1 of 1

[Fish Scales \(Engine Turning\)....Floor pan first....Then ?](#)

by [planecrazzzy](#) » Sat Jan 13, 2007 6:52 pm

Hey Guys,

I learned something watching one of those shows where they were building a Fire engine.... They said the swirling "Fish Scales" had a purpose....They weren't just done for looks....

The purpose.....they HIDE scratches....

I didn't want to put carpet on my floor pan , and it was beginning to get scratched up....

and because I just think "Fish Scaling" looks cool too.... I did it....Here's some pictures , I took them in different stages so you can see how easy they are to do....

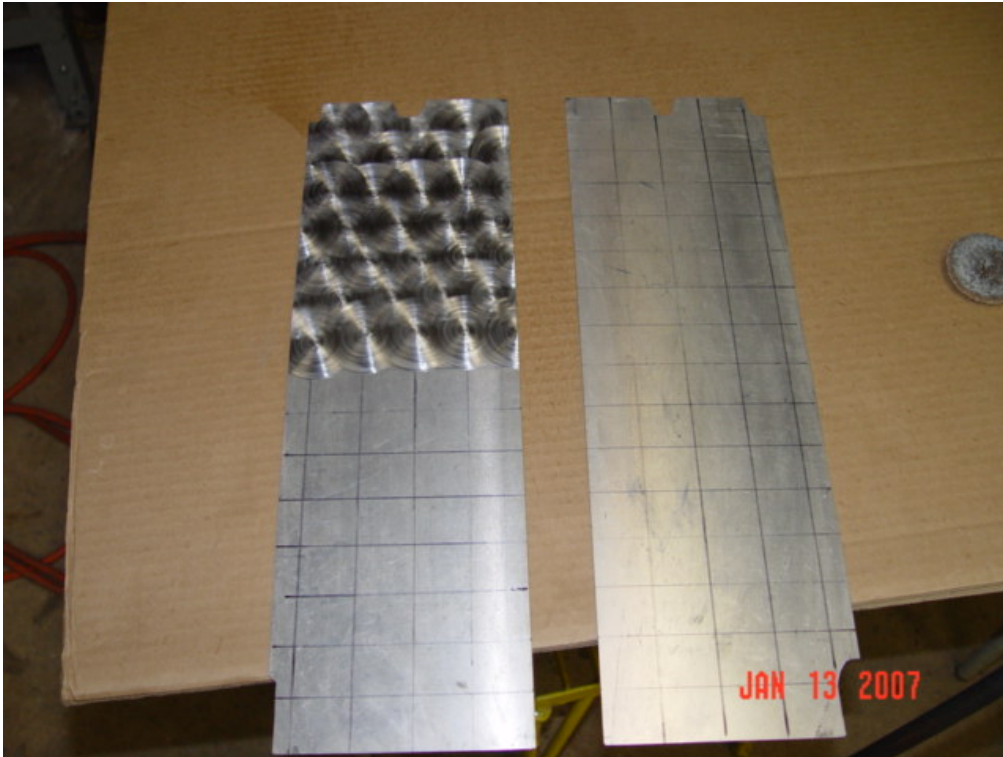
Two "Tips"One , I sprayed it with starting fluid , so my sharpie would stick....

and two , I sprayed it with WD-40 so that the scuff pad wouldn't gum up and start Gauling the aluminum....

Gotta Fly...

Mike & "Jaz" in MN

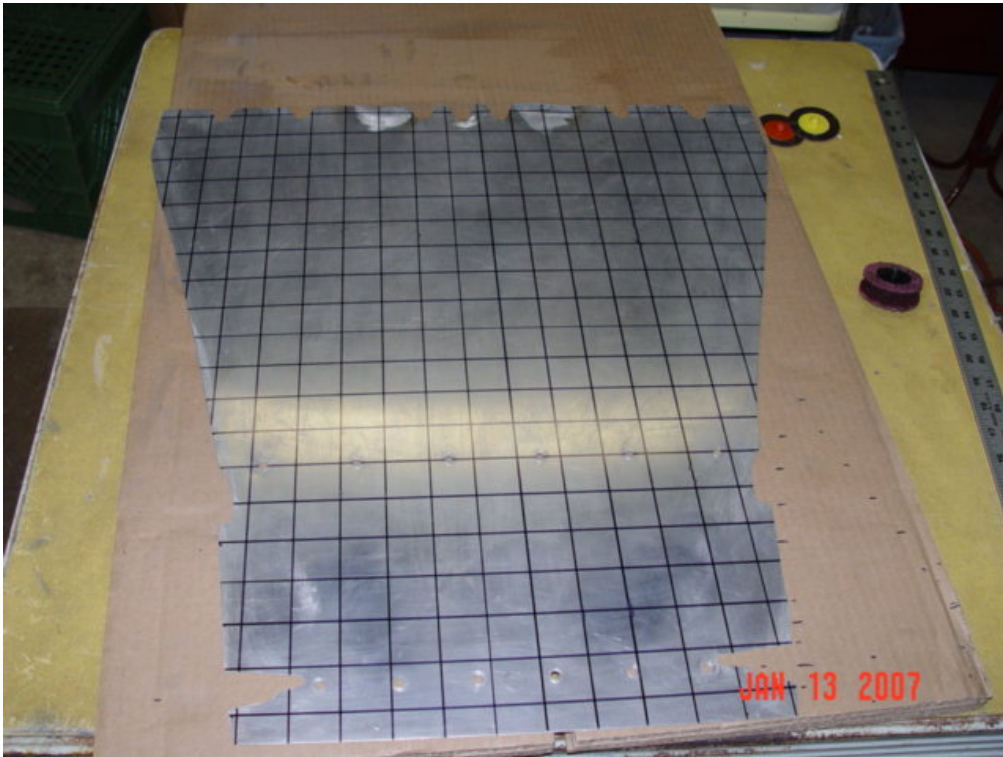
Attachments



Fish scaling Floor pans 001.jpg (59.81 KiB) Viewed 6676 times



Fish scaling Floor pans 004.jpg (63.09 KiB) Viewed 6676 times



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Last edited by [planecrazzzy](#) on Sun Feb 04, 2007 5:44 pm, edited 1 time in total.

Sometimes you just have to take the leap
and build your wings on the way down...

Gotta Fly...



[planecrazzzy](#)

Global Moderator

Posts: 468

Joined: Sat Jan 01, 2005 12:23 pm

Location: Minnesota

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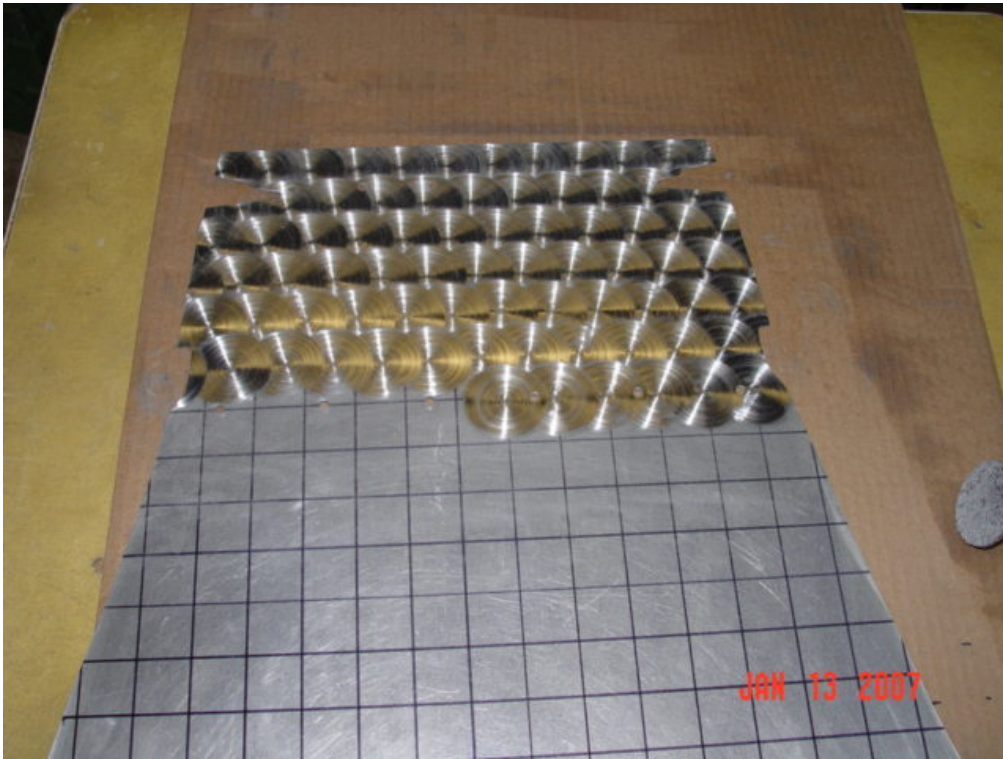
[Top](#)

[Fish Scales....Floor pan first....Then?](#)

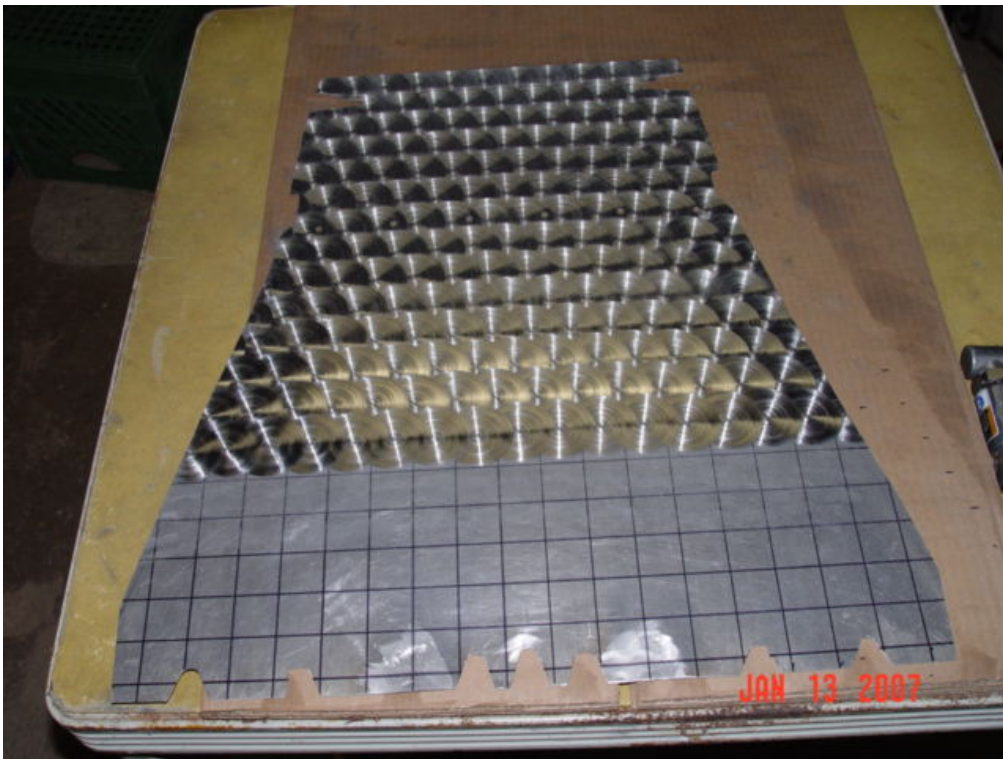
by [planecrazzzy](#) » Sat Jan 13, 2007 6:59 pm

more pics

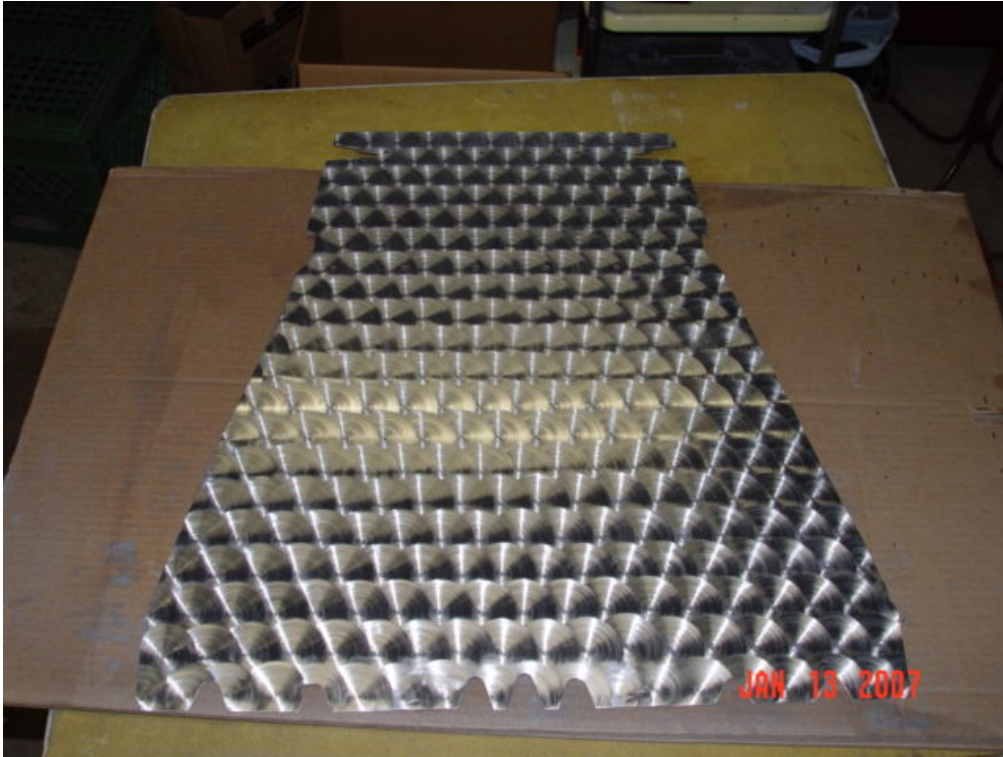
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Fish scaling Floor pans 010.jpg (60.45 KiB) Viewed 6674 times



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[Fish Scales....Floor pan first....Then?](#)

by [planecrazzzy](#) » Sat Jan 13, 2007 7:05 pm

no pics

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Fish scaling Floor pans 015.jpg (59.61 KiB) Viewed 6671 times



Fish scaling Floor pans 016.jpg (59.97 KiB) Viewed 6671 times

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[Top](#)

[Fish scales on Lift Struts](#)

by [planecrazzzy](#) » Mon Jan 29, 2007 7:25 pm

I don't want to go CRAZY with these Fish Scales....But my Lift Struts have alot of scratches on them...

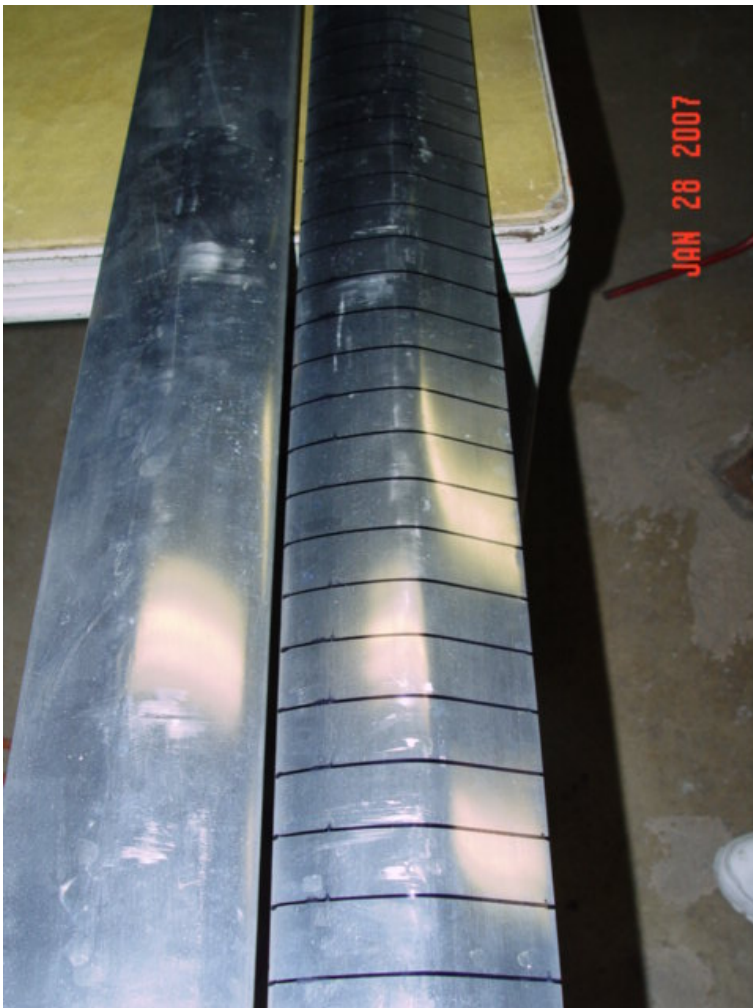
I tried to have a smooth shiny finish on them , but they get handled too much , they have to be taken off the plane every time the Wings are folded....

What "Hides" scratches..... Fish Scales...

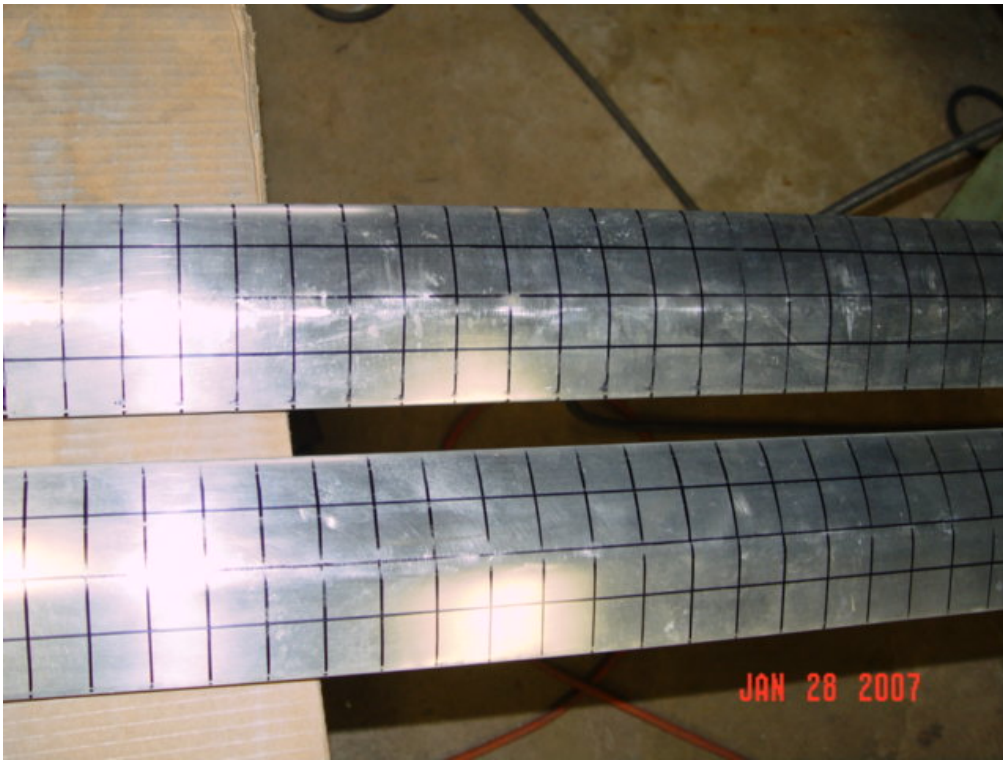
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Fish scales - Lift Struts 001.jpg (60.21 KiB) Viewed 6318 times



Fish scales - Lift Struts 002.jpg (60.21 KiB) Viewed 6318 times



You can see the scratches all over

Fish scales - Lift Struts 003.jpg (61.45 KiB) Viewed 6318 times

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- [E-mail planecrazzzy](#)
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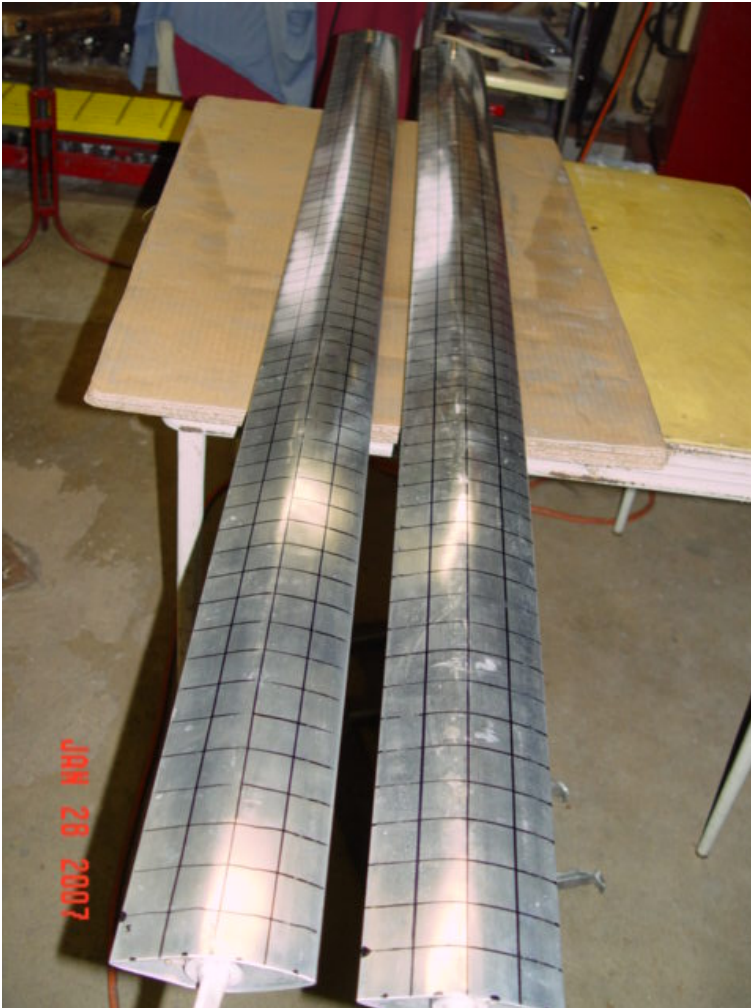
[Top](#)

[Fish scales on Lift Struts](#)

by [planecrazzzy](#) » Mon Jan 29, 2007 7:30 pm

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All layed out so they match each other....(Opposites)
Fish scales - Lift Struts 004.jpg (62.4 KiB) Viewed 6314 times



These things are a REAL BEAR to put on the curved surface
Fish scales - Lift Struts 005.jpg (60.21 KiB) Viewed 6314 times

Last edited by [planecrazzzy](#) on Sun Feb 04, 2007 2:05 pm, edited 1 time in total.
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Joined: Sat Jan 01, 2005 12:23 pm

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by [alan](#) » Tue Jan 30, 2007 10:54 am

VERY NICE!!!

I believe this is called "Machine Turning".

Alan

If I had known I would live this long I would have taken better care of myself.

[alan](#)

Veteran Member

Posts: 182

Joined: Fri Feb 04, 2005 12:39 am

Location: Baytown, TX

[Top](#)

[Machine turning ?](#)

▢ by [planecrazzzy](#) » Tue Jan 30, 2007 4:44 pm

The only machine around is the die grinder w/ scuff pad in my hand....

I've seen this done with a machine , and it's alot more precise then what I'm doin.... but I don't think these Lift struts could be done that way.... too much of a hump to go over...

I've also heard it called "Jeweling" but I think that's on Rifles ect...

Gotta Fly...

Mike in MN

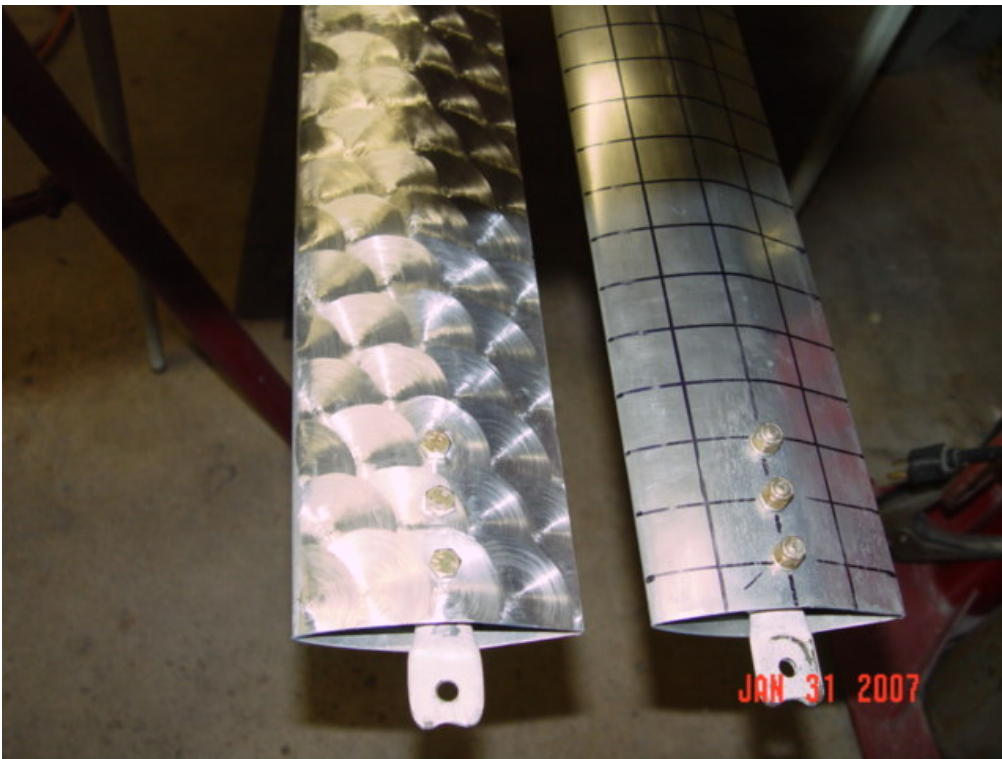
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Fish scales - Lift Struts 006.jpg (61.17 KiB) Viewed 6274 times



Fish scales - Lift Struts 008.jpg (61.71 KiB) Viewed 6274 times



Fish scales - Lift Struts 009.jpg (59.13 KiB) Viewed 6274 times

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Posts: 468

Joined: Sat Jan 01, 2005 12:23 pm

Location: Minnesota

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[fish scaling](#)

▢ by [KevinC](#) » Sat Feb 03, 2007 10:08 am

that really does look good. I tried it the other night, but found that the die grinder wanted to make an uneven circle and skip off the work. In addition, it tended to polish rather than scuff circles.

What am I missing? There must be some part of the technique that I'm not getting.

Not a metal worker :oops: -

Kevin



[KevinC](#)

Veteran Member

Posts: 351

Joined: Thu Aug 18, 2005 11:42 pm

Location: Prosser, Washington

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[Re: fish scaling](#)

▢ by [planecrazzzy](#) » Sat Feb 03, 2007 5:29 pm

Hi Kevin,

Were you using a "straight" die grinder..... I'm using a 90 degree die grinder....I'll bet it's easier to keep in control.

I just got done finishing my 2nd Lift Strut.....Man , what'a bear going over that hump....I got better as I went (typical)

maybe , if yours is inline....you could make a 90 degree handle, and clamp it on....(bent flat bar , 2-Band clamp)

The "Formula" that "I" used was..... it's a 2inch pad , so I made 1 inch (plus) squares....That seems to space it just right.

Are you using "Scuff pads" or sanding disc...?

Gotta Fly...

Mike in MN

*KevinC wrote:*that really does look good. I tried it the other night, but found that the die grinder wanted to make an uneven circle and skip off the work. In addition, it tended to polish rather than scuff circles.

What am I missing? There must be some part of the technique that I'm not getting.

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Kevin

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