



Thanks for your purchase of our 2017+ Ski Doo Gen 4 850 X Skinny Boards.

2017+ Gen 4 850 X 154"-165" (including Freeride in those lengths.) We do not know about the X models in 146" OR 175"

Please read instructions and view pictures entirely before installation. This sled requires extensive cutting.

Here is what is included with the boards:

- (6) Rivets
- (12) Large Head Rivets
- (22) 1/4-20 x 5/8" Truss Head Bolt
- (2) 1/4-20 x 3/4" Truss Head Bolt
- (8) 1/4-20 x 1" Button Head (Your kit may include a flanged bolt instead)
- (32) 1/4 - 20 Flanged Nut
- (1) Set of Left and Right foot well brackets.
- (1) Set of Side Panel Block Off Plates
- (1) 12" Long 1/4" Drill Bit
- (1) Cutting Template for the block off plates
- (1) 100 count bag of traction screws

1. Remove side panels. Refer to first picture for which rivets to remove.

2. Once the rivets are removed, remove the skid to help finish install. *NOTE: Use center punch to knock out the center pin out of the rivet. This makes drilling them out MUCH easier.*

3. Refer to pictures on removing the pressed rivets along the tunnel side running board. You will have to grind these flush with the INSIDE of the tunnel, do not go too deep. Once ground, the board will pop off the tunnel side.

4. Refer to pictures for where to cut factory running boards and tunnel. Left and Right side of sled will be cut the same. Most pictures reference the Left side of snowmobile.

5. Once all your cutting and trimming is done. Start by installing the Left and Right foot well brackets. The Left side is longer than the right side bracket. These will be coated black regardless of board color.

6. Set the running board on sled and align the front rear suspension arm bolt up. Leave the skid out for now. You will want to clamp the board to the tunnel, make sure the suspension bolt slides in and out of the hole easily! Once clamped, install a few of the 5/8" long truss head bolts in the running board. Also make sure the rear suspension bracket lines up as well. You will need to tighten a few of the truss head bolts at this point. If some of the bolt holes don't line up, use a 1/4" drill bit to clearance them, you may have to drill from the inside out to reach the holes. We have found some variation from sled to sled. Just make sure the suspension bolt fits LOOSE or you will fight putting the skid in after the boards are installed. **NOTE: DO NOT CRANK ON THE 1/4" BOLTS WHEN TIGHTENING. THEY ARE ONLY A 1/4"!! Also make sure the nylock nuts are on the outside!**

7. You will need to drill new holes in the running board to mount a few more bolts. Utilize the factory rivet holes (the ones you ground down from the inside of tunnel) as a guide and drill from the inside of tunnel out (1/4"). You will need to drill 3 holes.

8. On the rear of the board, you may have to use the included 1/4" bit to drill through the tunnel from the OUTSIDE using the holes in the board as a guide. Refer to pictures. There are 2 holes to be cleared. The rear most hole in the side plate may have to be cleared as well. Use the 3/4" long Truss head bolt here. One on each side.

9. For the rear suspension hanger, use the 1" Long 1/4" bolts. Tighten these at this point too.

10. Jump to the very front of the board where the board tab contacts the foot well bracket. You will need to use the included drill bit to drill through the lower outer most hole. Install the same 1" long bolts used for suspension hanger. Install both bolts and nuts on each side.

11. The rear board mount will need 3 - 1/4" holes drilled. Refer to picture.

12. There are 3 rivets to install on each side. These are located on the bottom. Refer to pictures. use a 3/16" drill bit.

13. Locate the paper templates shipped with your boards. Cut these out, you will use one for each side. Refer to pictures for placement. Use a marker to trace the template. Cut on the inside of your mark. We use a cut off wheel to do the rough cut, then go back with a die grinder or dremel tool to clean up any sharp edges.

14. Refer to pictures for placement of the plate. The hole in the plate is not used for install so do not install a rivet in those. Take your time lining the plates up. Use the supplied large head rivets to secure the panel in place. 3/16" drill bit is required. After plate is installed, re-install a large head rivet securing the right side panel to the bottom in the factory location. The left side uses a factory screw.

15. Now to install the traction screws. Lay out the pattern by measuring and using a marker. We start with 2.5" spacing on the outer tube of the running board. On the inside smaller tubes, we have been putting only one screw in the center of each tube. You may want to change the pattern or add more but we only supply 100 screws with a set of boards so lay out your pattern first before drilling. Use a 1/8" drill bit to pilot drill, then use a impact driver and run the screws in until the head touches the tube.

Any questions or concerns please call or email us!

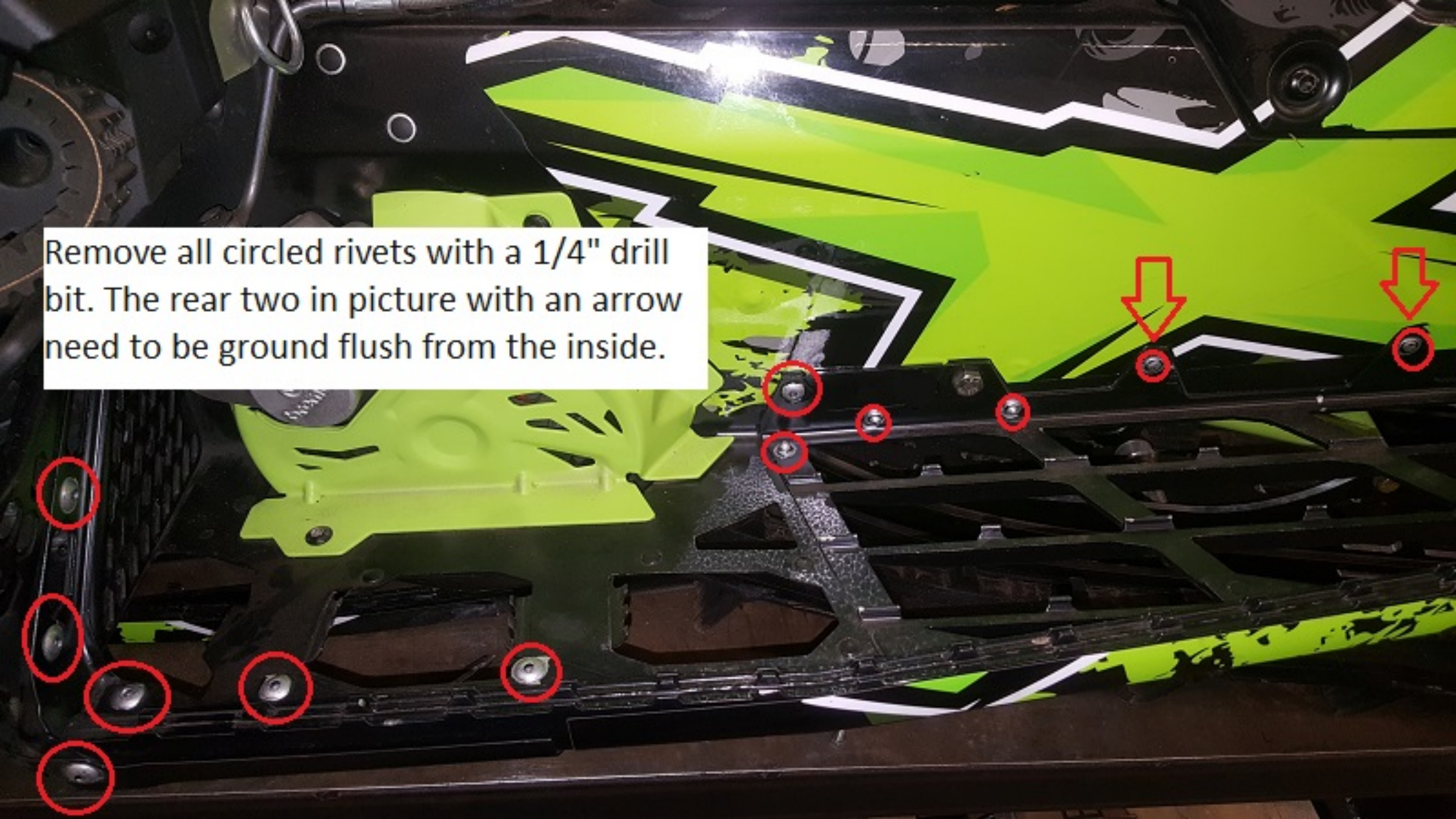
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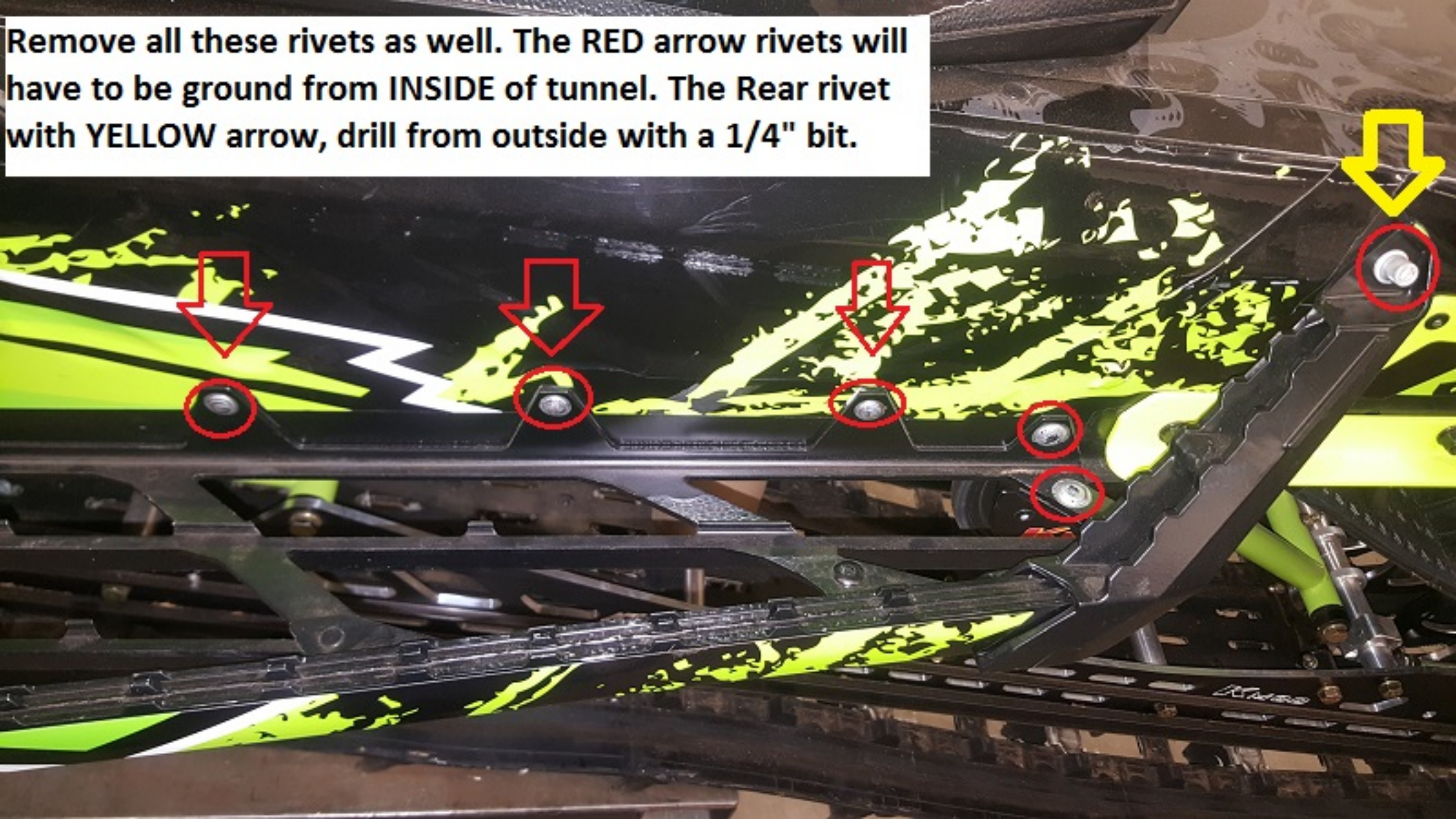
info@bmfabrications.com

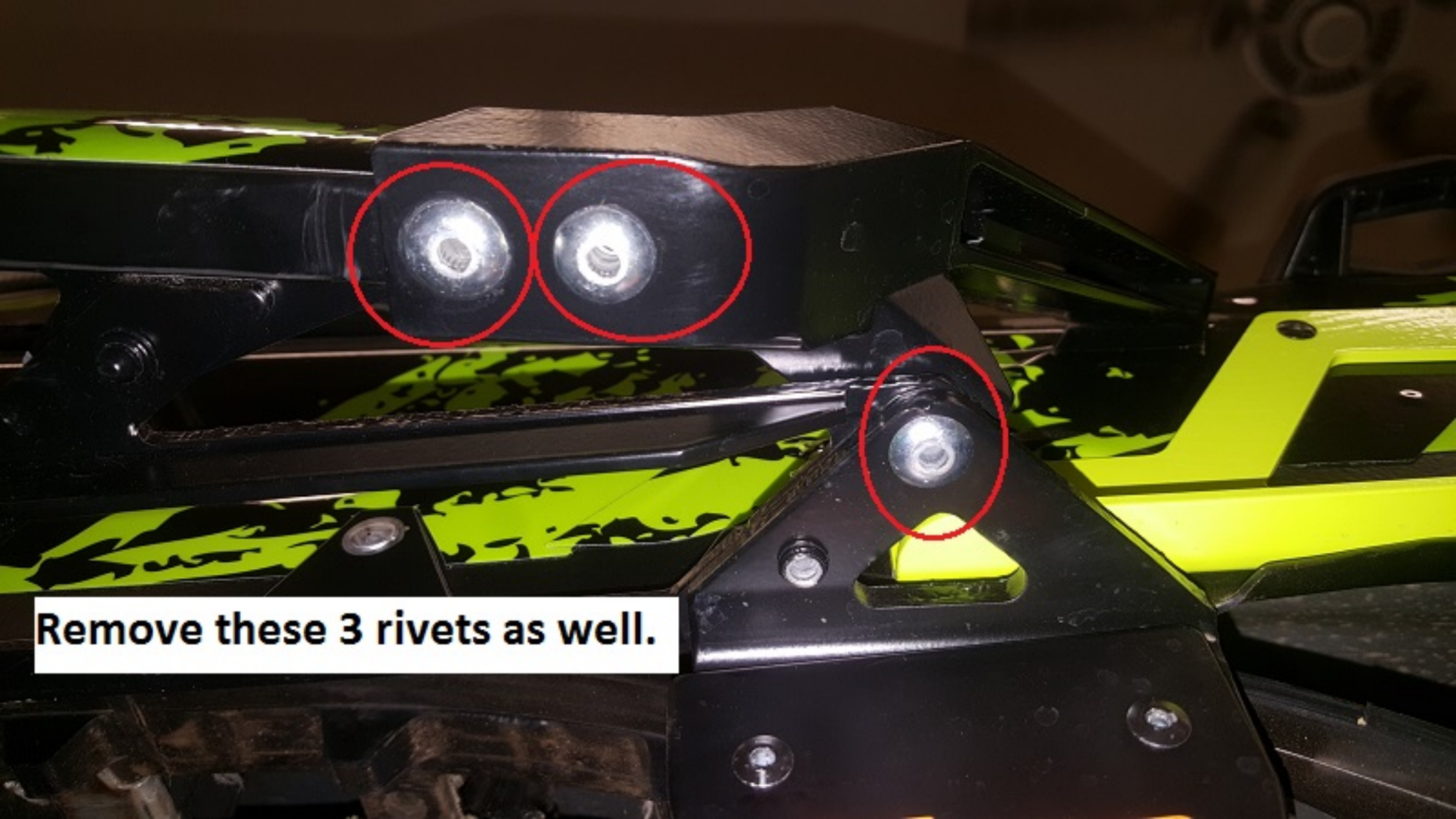
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Remove all circled rivets with a 1/4" drill bit. The rear two in picture with an arrow need to be ground flush from the inside.

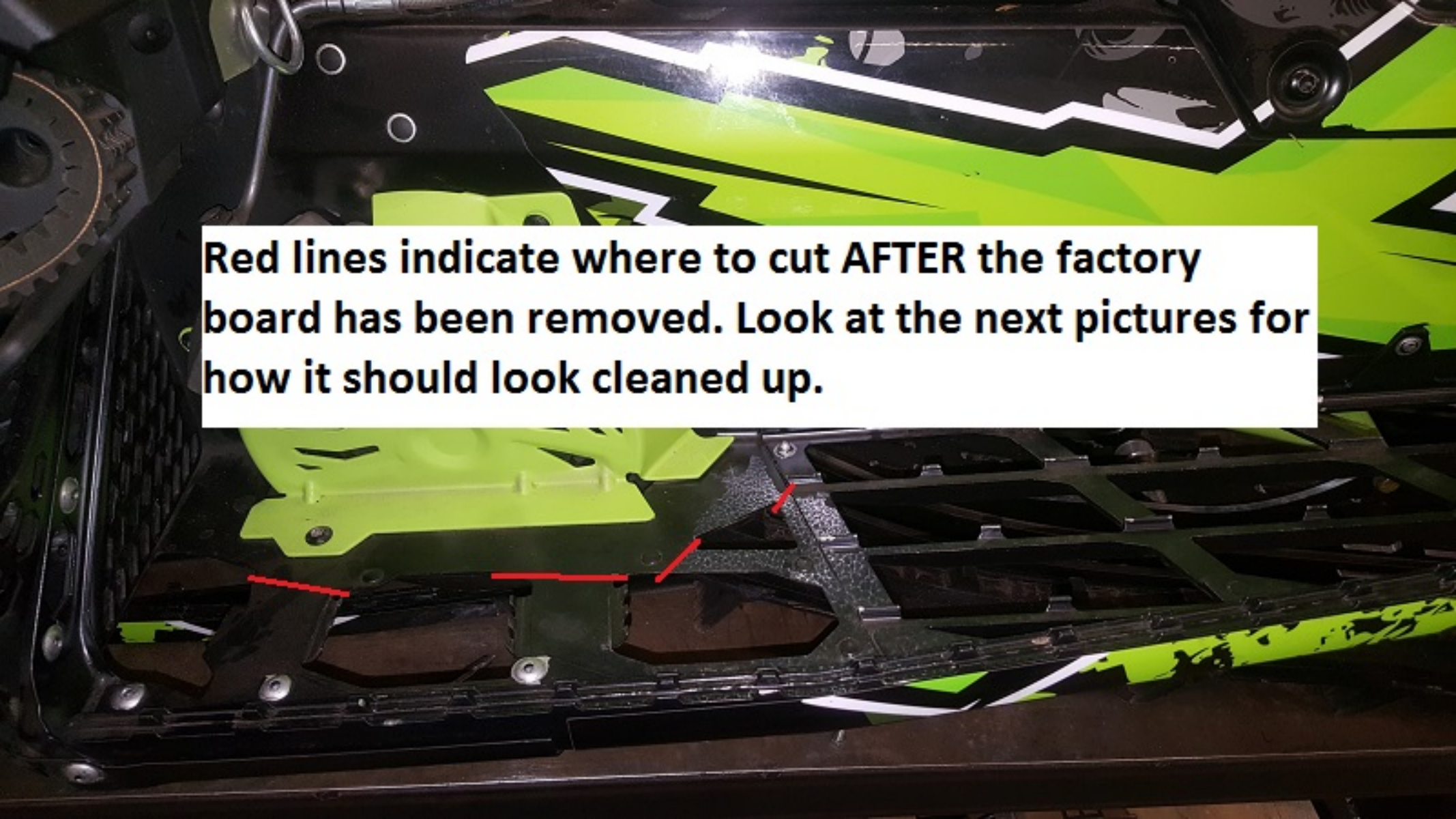


Remove all these rivets as well. The RED arrow rivets will have to be ground from INSIDE of tunnel. The Rear rivet with YELLOW arrow, drill from outside with a 1/4" bit.



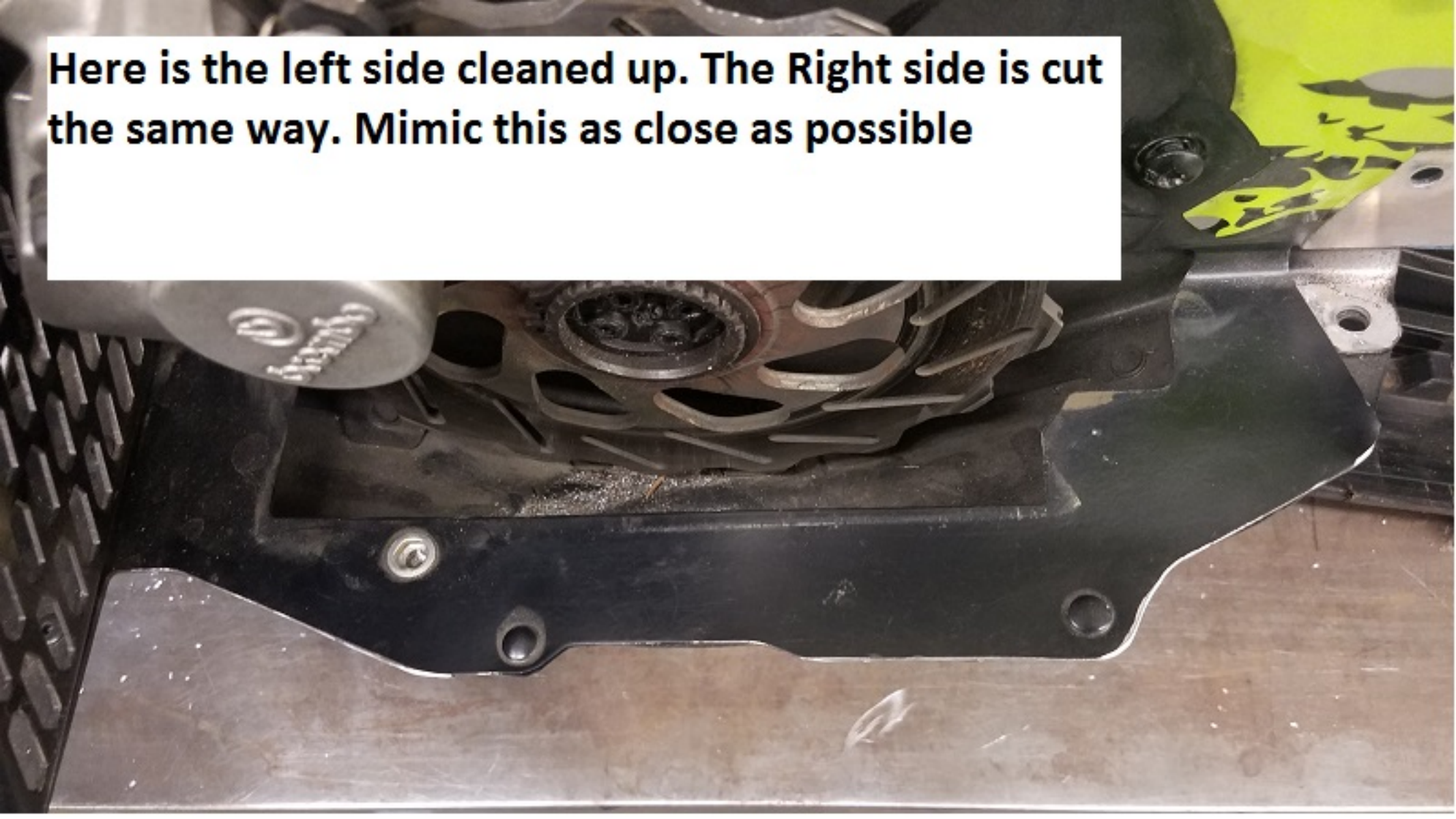


Remove these 3 rivets as well.



Red lines indicate where to cut AFTER the factory board has been removed. Look at the next pictures for how it should look cleaned up.

Here is the left side cleaned up. The Right side is cut the same way. Mimic this as close as possible

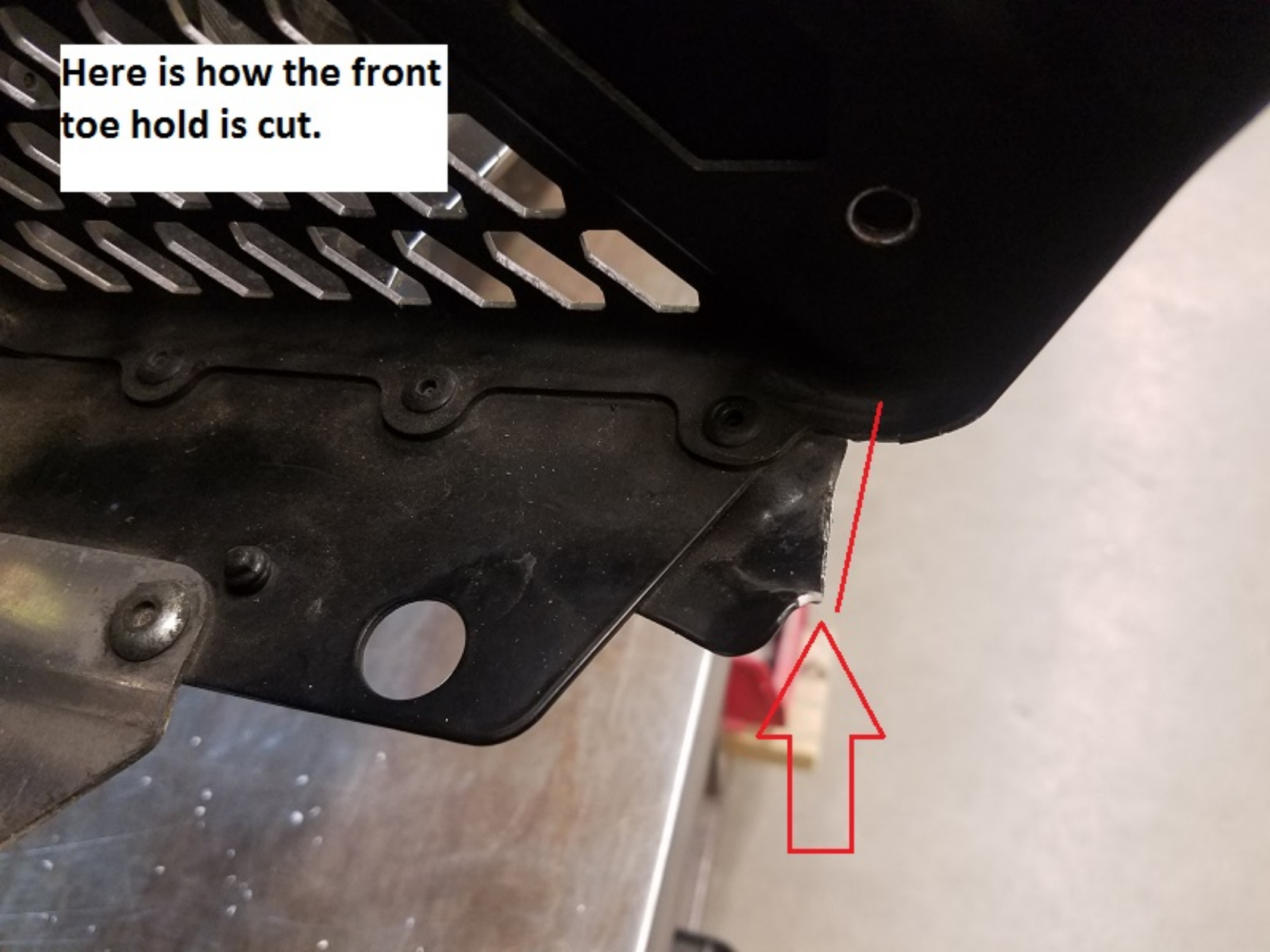


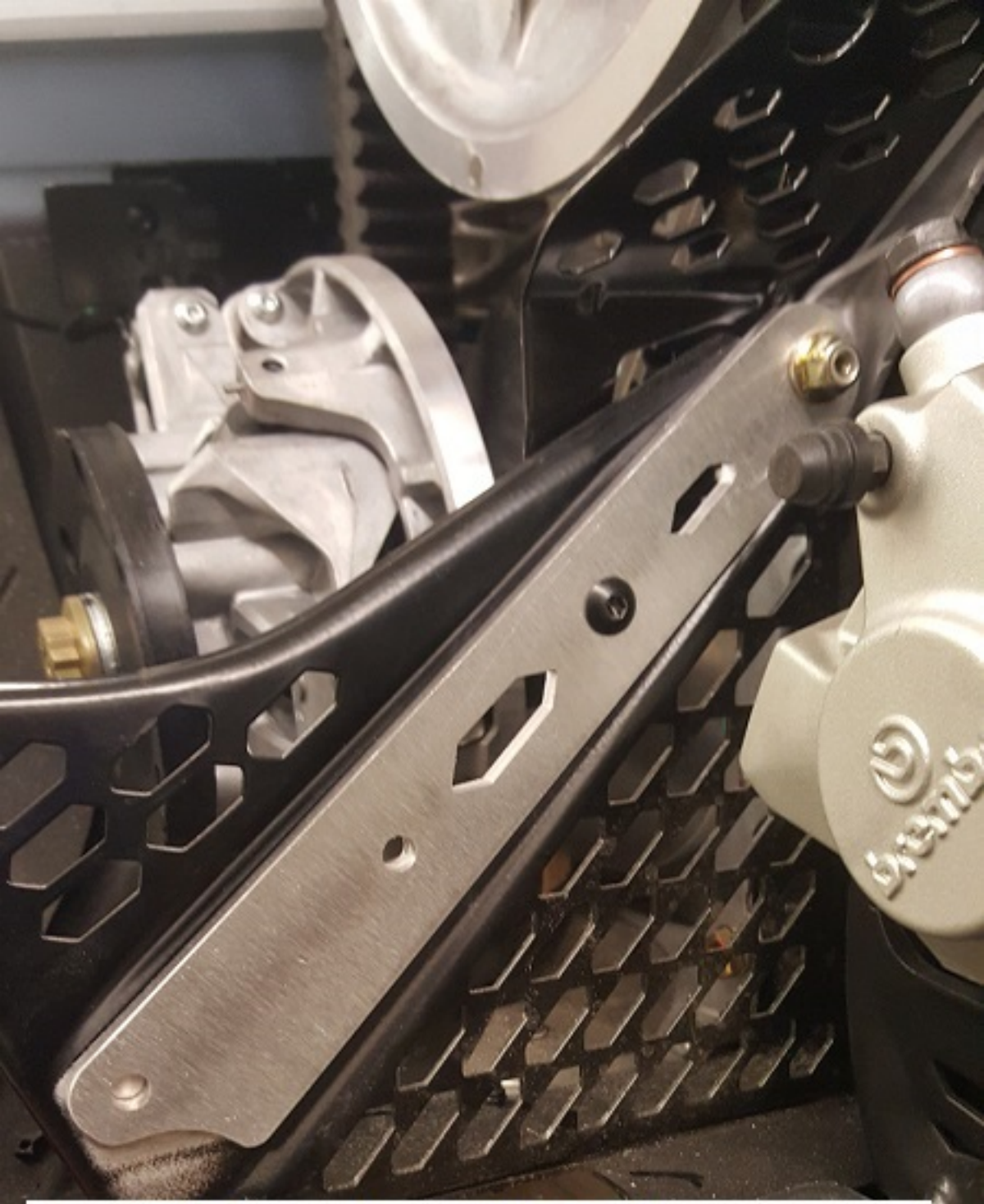


This is just a view of the bottom for clarification

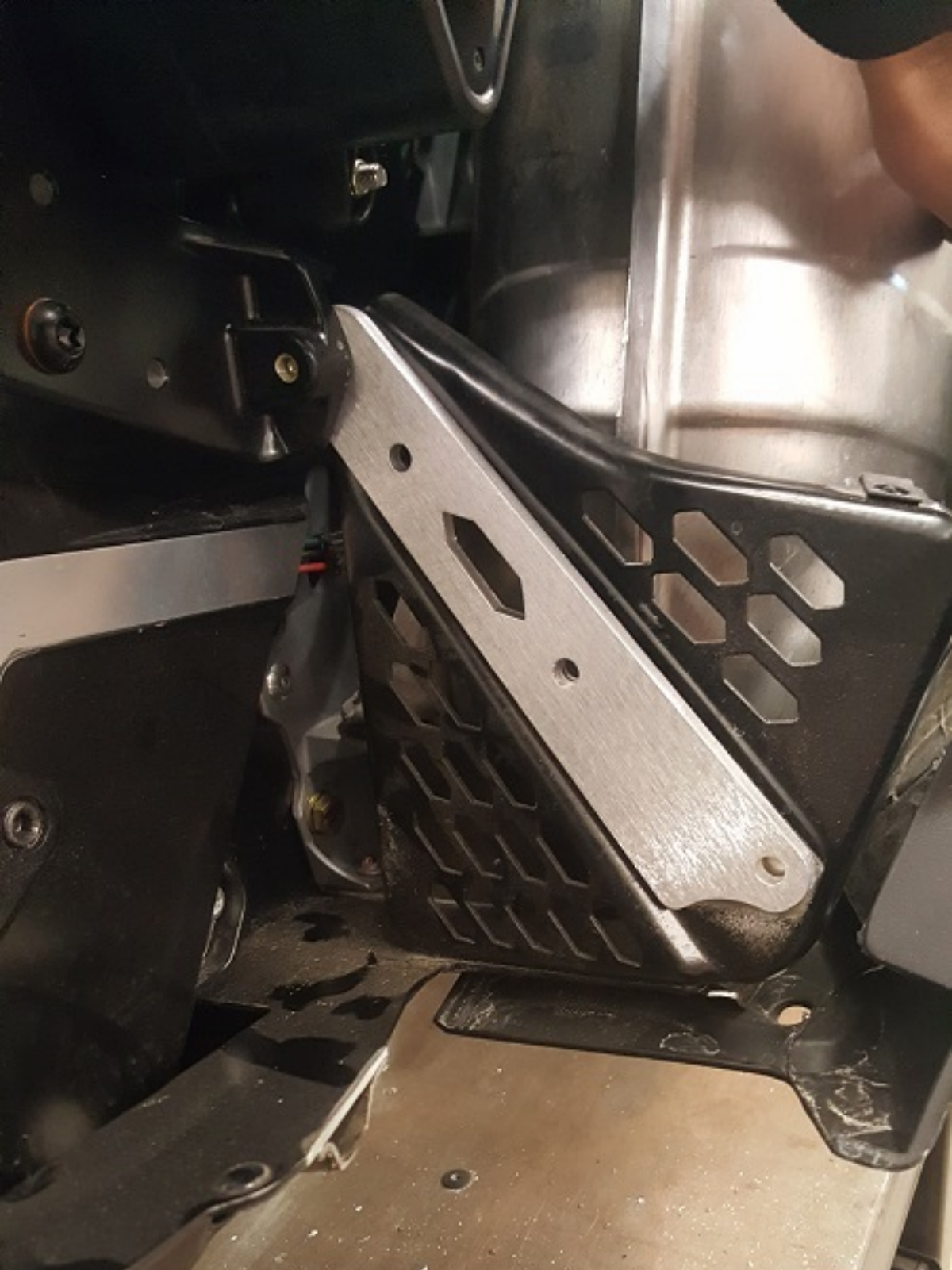


**Here is how the front
toe hold is cut.**



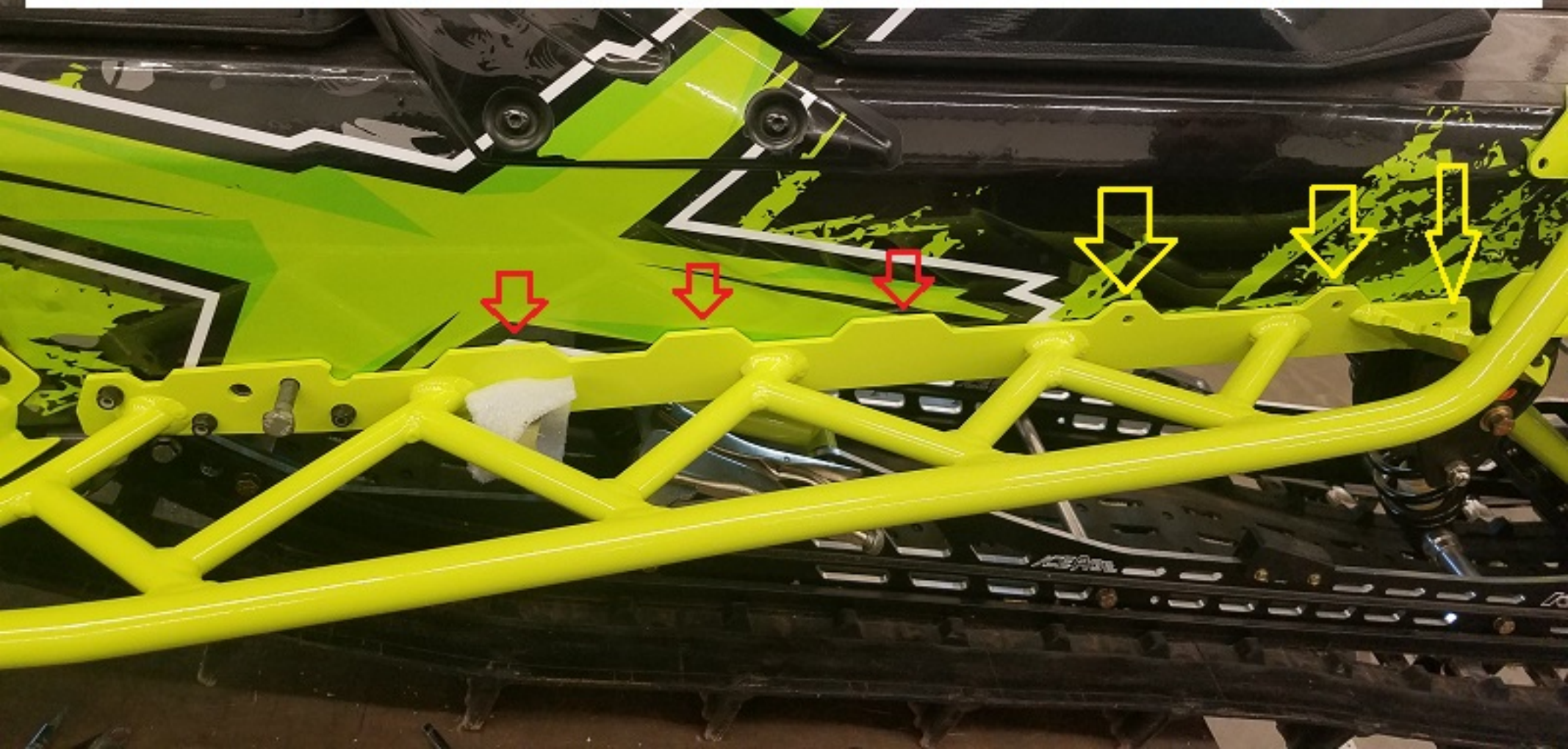


Install bracket with factory hardware. Note the orientation of the bracket. Align the holes and tighten. Shown raw for clarity.



Right side detail. Re-use factory bolt. Align holes and tighten.

Clamp board on with skid bolt loosely in place. start installing the 5/8" long truss head bolts towards the front of board (circled in red). Red arrows show where to drill from the INSIDE out using factory rivet holes. Yellow arrows show where you may have to clearance the holes with the included long 1/4" bit. Install 5/8" long bolts in all these locations. The REAR most hole will use a 3/4" long truss head bolt. The suspension hanger will use the 1" long bolts. install them as well. Make sure skid bolt is still loose after snugging bolts.



Install these 3 in back as well. Drill 1/4" holes. Nuts on the inside this time.



Here is all the tunnel bolts in place.

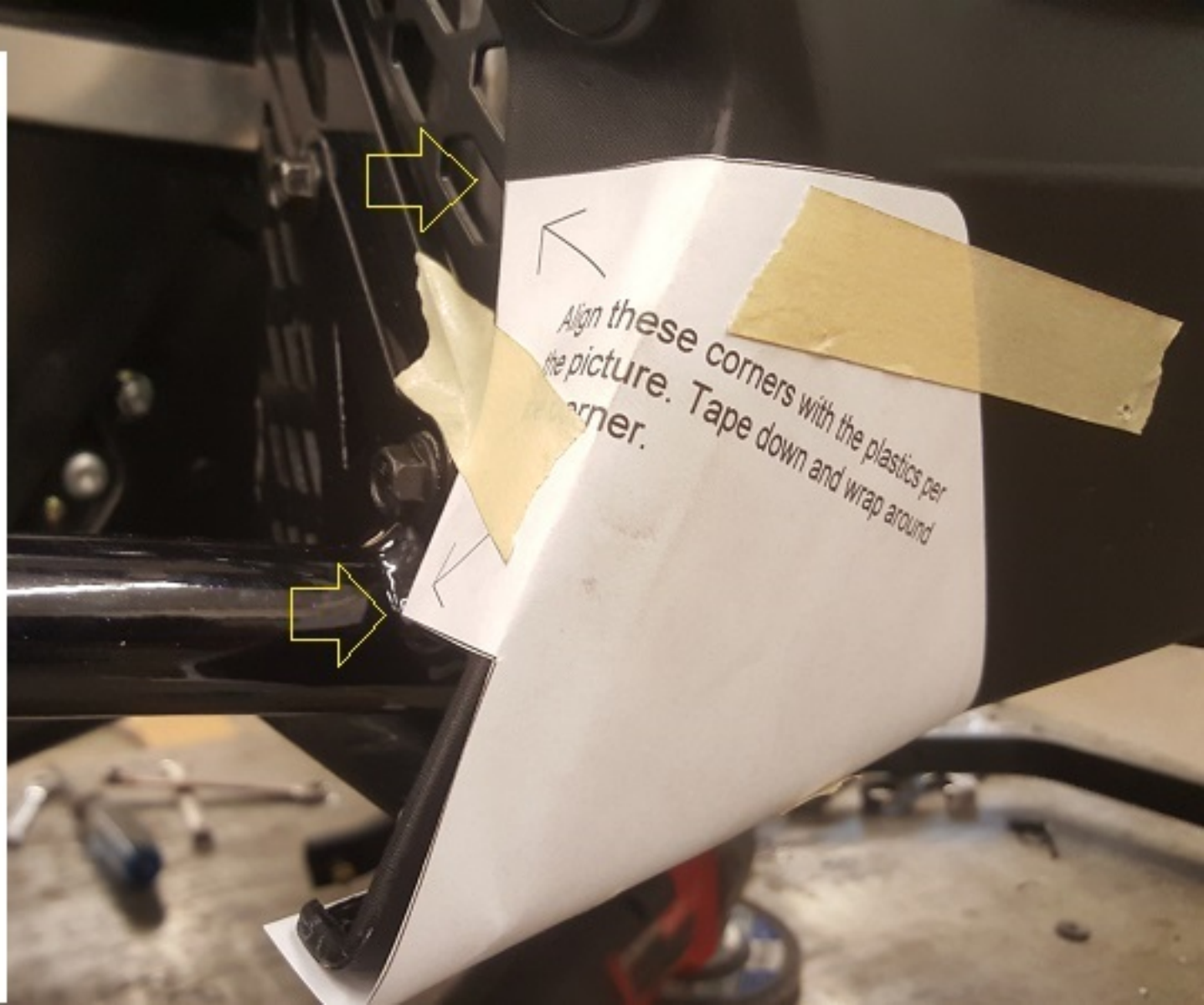


Use the included drill bit to drill this hole through the factory toe plate. install both 1" bolts and nuts at this time.




Use 3/16" Drill bit and install the 3 rivets in these rough locations. Make sure the rivets will enter the center of the running board tube. Try to keep them on the flat area so they are not drilled into the bend of the chassis plate. Both sides will look the same.

Align the template as shown. Pay attention to lining up the arrows with the plastic edges. Trace the template and remove it to start cutting.



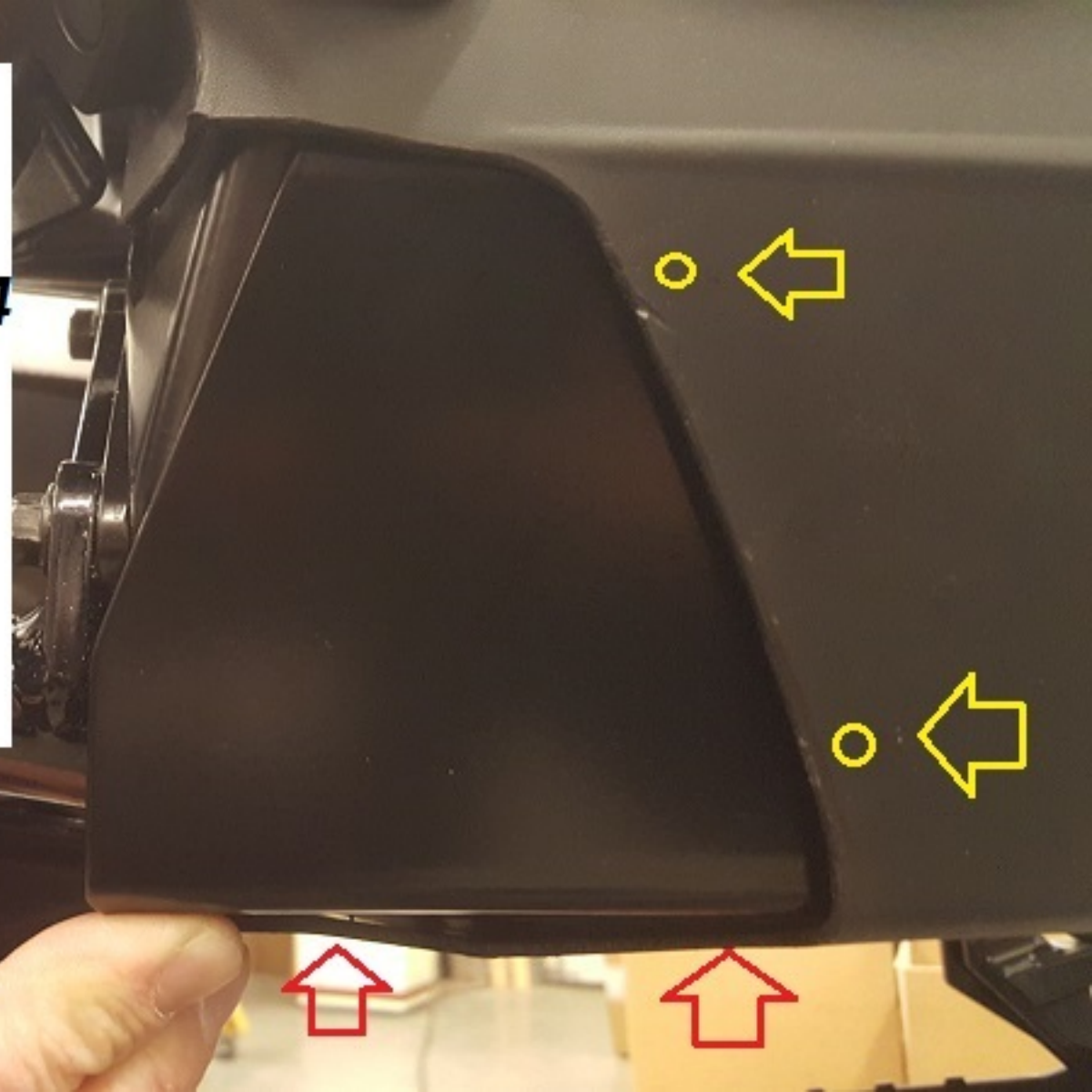
Here is the piece after the rough cut. Now clean the edges with a die grinder or something similar. Leave no sharp corners.



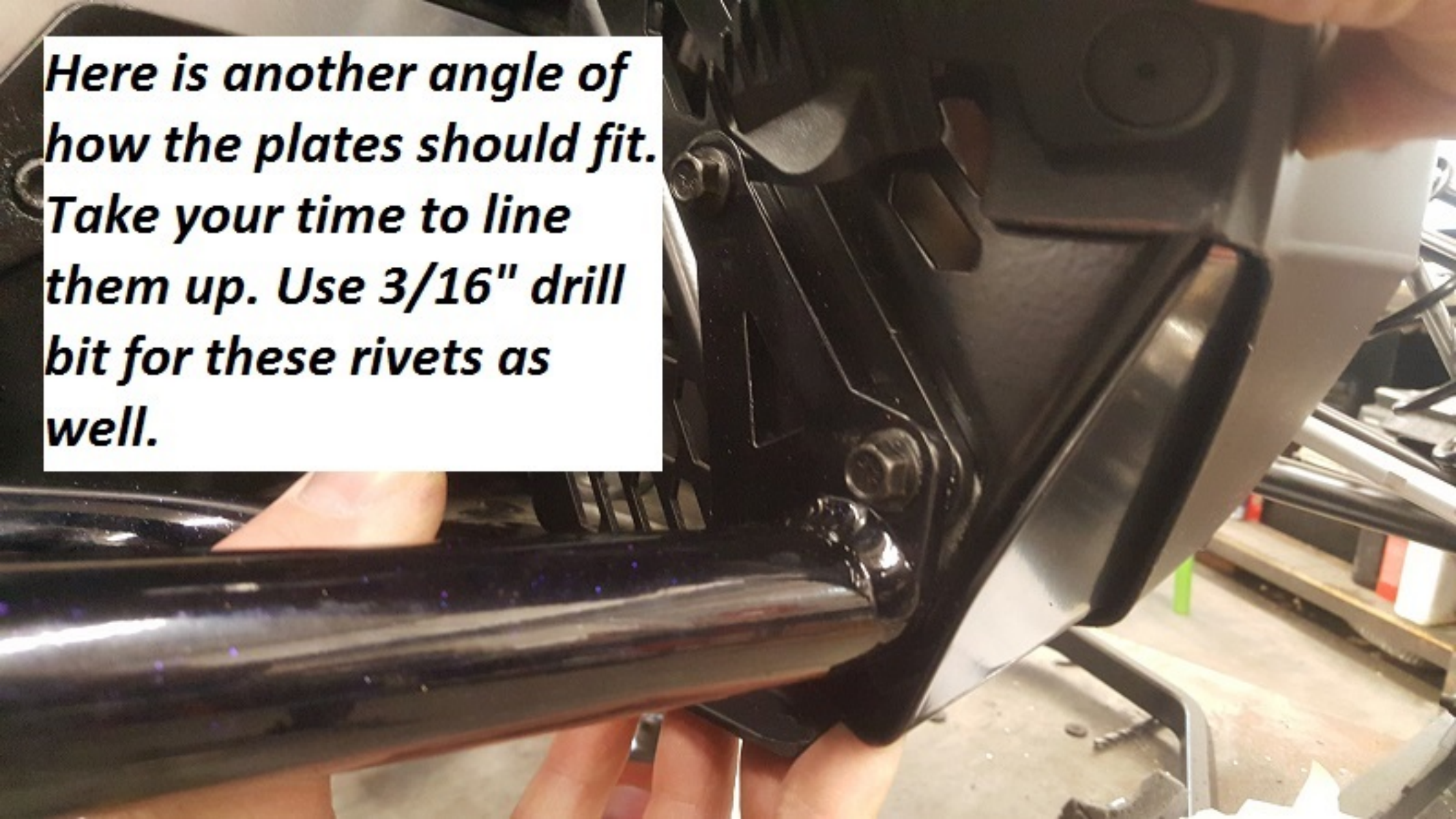
A close-up photograph of a motorcycle's footwell area. The image shows the black plastic side panel and the footpeg assembly. A white text box is overlaid on the left side of the image, containing instructions. In the background, a yellow sticker with the word 'INTERLANES' is visible on the motorcycle's frame.


Here it is cleaned up with the bit we use. Now fasten the side panel back to the footwell. Make sure the bottom is snapped in as well.

Line up the plate as shown in the next 2 pictures. You will install 4 Large head rivets. on each plate. Arrows indicate where to place rivets.



Here is another angle of how the plates should fit. Take your time to line them up. Use 3/16" drill bit for these rivets as well.



A close-up photograph of a metallic surface, likely part of an aircraft fuselage, showing several rivets. A white rectangular text box is overlaid on the right side of the image. The text inside the box reads:

Here is the finished rivet locations.



The yellow dots represent screw locations. This pattern uses 48 screws total, 24 each side. You may want to add more towards the front of the board. We start with the minimum and add more as needed.