

1

Remove stock bumper and bumper brackets. Refer to owners manual for details.

2



Remove stock exhaust tip hanger. Shown in pic. #3.

3



Rubber exhaust tip hanger.

4



Wipe down right and left frame rails in preparation for marking.

5



Measure 2 inches up from bottom of frame rail end. Mark vertical dot at 2 inches.

6



Measure 2 inches in from rear of frame rail end. Mark horizontal dot at 2 inches.

7



Using a ruler or straight edge, draw a line connecting vertical marking to horizontal marking.

8



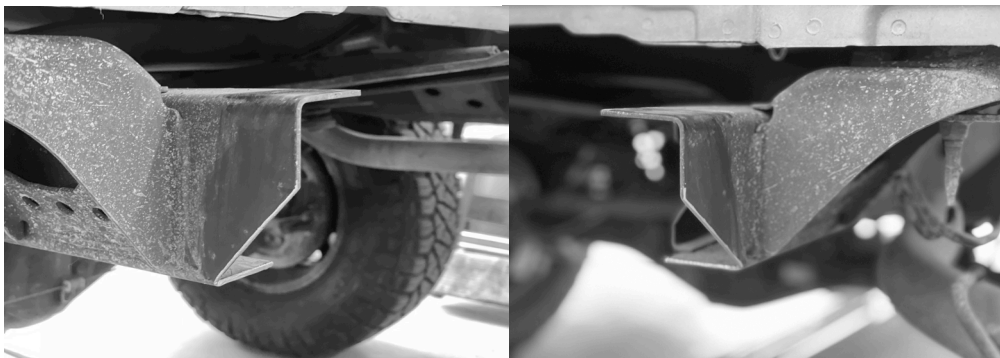
Proceed to cutting/sawing off tip of frame rail indicated by the previous markings. View pic. #9 for reference.

9



Once angle of frame rail is cut. Proceed to cut straight across the bottom of frame rail. Refer to pic. #10 for end result.

10



Once right and left frame rail have been cut/trimmed. De-burr frame edge to achieve smooth/clean finish.

11



Now you are ready to install your Nguyen Works 3rd Gen Bumper.

12



Install Nguyen Works bumper.

*A helping hand is recommended!

13



Align Nguyen Works left frame mount to stock left frame rail.

14



Align Nguyen Works right frame mount to stock right frame rail.

15



Hang Nguyen Works bumper onto top of stock frame rail. Refer to pic. #16 for another angle.

16



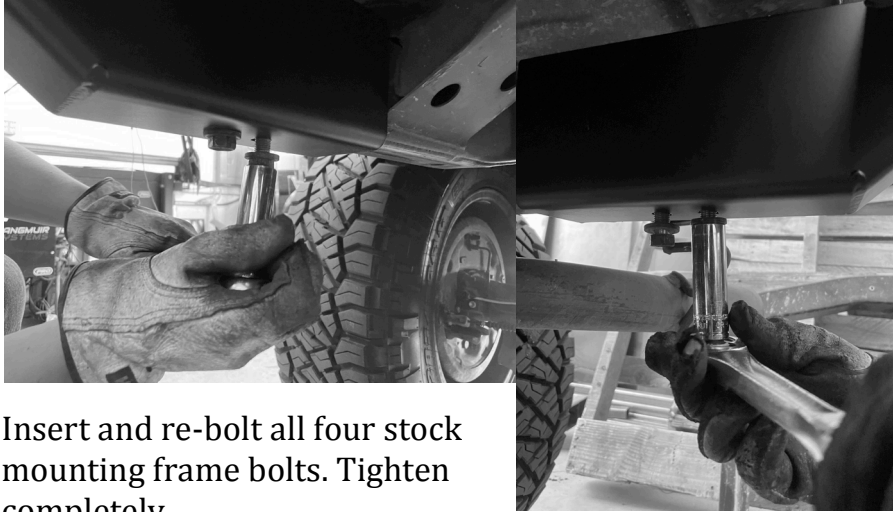
Hang Nguyen Works bumper onto top of stock frame rail.

17



Align Nguyen Works frame mount holes to two stock frame mounting holes on the left and the right side.

18



Insert and re-bolt all four stock mounting frame bolts. Tighten completely.

19a



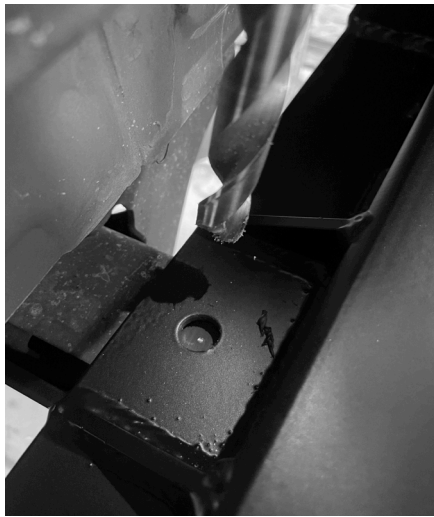
Locate Nguyen Works left top mount hole and prepare to drill.

19b



Locate Nguyen Works right top mount hole and prepare to drill.

20



Use 1/2 inch drill bit to mark center hole in preparation for pilot hole on left and right frame mounts. *DO NOT drill all the way through yet.

21



Use 1/4 inch drill bit to drill pilot hole on left and right frame mounts.

22



Use 1/2 inch drill bit to complete drilling through left and right frame mounts. Refer to pic. #23 for final drilling result.

23



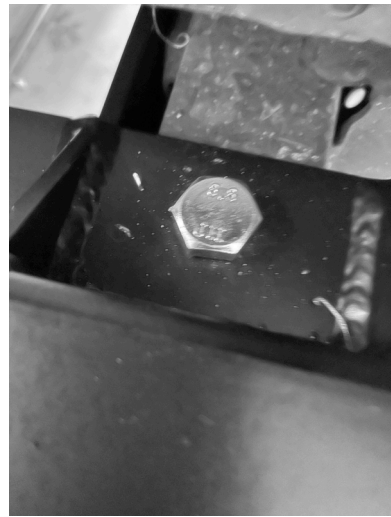
Remove excess frame shavings.

24a

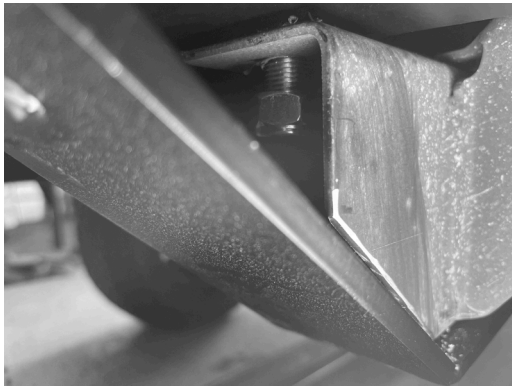


Insert M12 bolt (provided) into left and right frame mount hole (Seen in #23).

24b

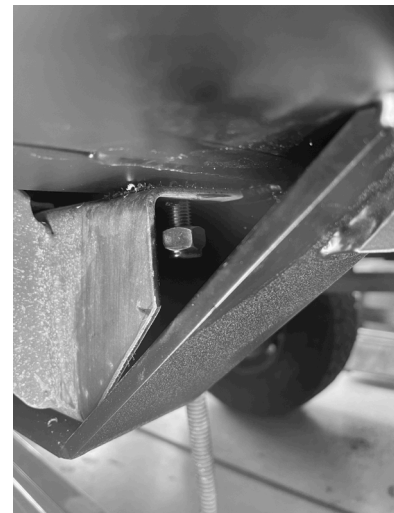


25



Use M12 nut (provided) and tighten bolt to frame. Refer to pic. #26 for left frame mount angle.

26



Tighten M12 nuts and bolts for both sides.

*Original low-pro bumpers without swing outs installation is now complete.

**With swing out,

27



After greasing bearings, install bearings, install bearing spacers, and bearing seals onto swing out cylinder. Refer pic. #28.

28



Align cylinder hole.

Install lock pin (provided) and move on to step #29.

29



Insert 3/4 inch bolt (provided) and tighten with 3/4 bolt (provided) and tighten.

**If you have a dual swing out, repeat steps #27-#29.

CONGRATS on successfully installing your Nguyen Works bumper.

Now get outside!!!