

Instructions Created by an:



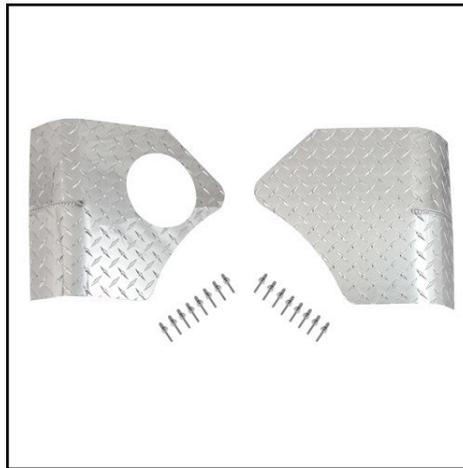
**Automotive
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Samurai Rear Diamond Plate Corners (Pre-bent) (SKU# SEB-RDP)

Installation Instructions



CAUTION: Safety glasses should be worn at all times when working with vehicles and related tools and equipment.



Suggested Tools:

- Pop Rivet Gun
- 3/16 drill bit
- Electric Hand Drill
- Upholstery Trim Tool
- Utility Knife
- Permanent Marker



**FOR ADDITIONAL COPIES OF THESE
AND OTHER INSTRUCTIONS GO TO:**

www.lowrangeoffroad.com and click on the
"INSTRUCTIONS" tab.



Background Information

- All “Corners” are designed to be placed over the existing factory metal body. During shipping and handling your aluminum corners may be slightly altered but diamond plate aluminum is easy to work with. Make any slight modification needed to enhance their fit.
- Because all body tubs are not built the same, some small modifications to the “Corners” may be required for a proper fit.
- Rivets are supplied for mounting your “Corners” to the body tub. If you prefer, you can use self tapping screws.
- You do not need to seal behind the “Corners” as the Aluminum will not corrode. You may want to spray any exposed body metal with primer before installing your “Corners”.

Important Information

- These Instructions are written to be used on a Samurai that still has the stock fender flares. If you have aftermarket fender flares or no flares at all you will need to modify these instructions according to you own best judgement.
- When we installed the “Corners” on our vehicle it was decided to start at the front of the “Corners” and work toward the rear. However, some have found success starting at the rear, near the tail gate, and working toward the front. It is really up to you where you start. But, what is very important is that you start at one and work toward the other. Never, install the rivets on both ends, saving the middle rivets to the last. If you do, there will be large gaps between the “Corners” and the fender.



Removing the Passenger Side Fender Flare



Step 1

Remove the (6) fender flare clips using an upholstery tool. Pry them straight out. If you are careful, these clips can be reused.



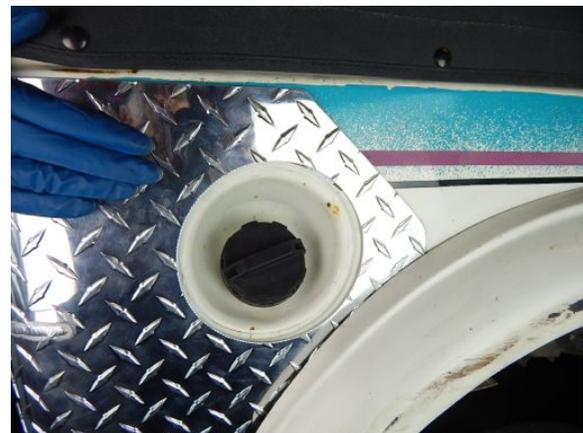
Step 2

Unclip the rear of the fender flare by hitting it in the upward direction with the heel of your hand.



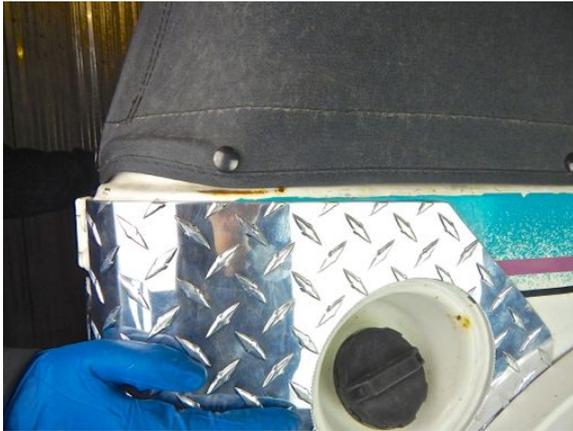
Step 3

Once rear of the fender flare is loose, fit the Diamond Plate Corner behind the fender flare as shown here.



Step 4

Now center the Diamond Plate Corner on the fuel tank door.



Step 5

Align the top of the Diamond Plate Corner with the top edge of the fender.



Step 6

Center the rear of the Diamond Plate Corner between the hinges.



Step 7

Once you are satisfied with the fit, mark the fender flare showing the forward most position of the fender flare.



Step 8

Remove the Diamond Plate Corner and the fender flare.





Step 9

Using a pencil (or pen) make a line from the mark made in Step 7, 1/8 inch wide to the rear of the fender flare.



Step 10

Using a utility knife (or something similar) cut away 1/8" from the inside edge of the fender flare.



Step 11

Put the fender flare back in its normal place and reposition the Diamond Plate Corner. Adjust the Diamond Plate Corner exactly where you'd like it to be:

Centered on the fuel tank fill cap opening

Aligned with the body at the top edge

Centered between the hinges at the rear.



Step 12

Although it is not required, we recommend that you remove the fuel tank fill hose cover. It is held in place by 3 phillips screws. This will allow you to see approximately where the drill bit will come through and help reduce the risk of damaging important components.

Tech Tip 12

We will show the rivet locations that we recommend. Although we did not encounter any problems on our installation, we cannot guarantee that you will not. The recommendations shown in these instructions are just that – RECOMMENDATIONS. It is ultimately your decision as to where you drill the holes for the rivets.



Step 13

Once you are satisfied with the fit, have an assistant hold the Diamond Plate Corner in place and drill a 3/16" hole through the Diamond Plate Corner and the fender in the location shown here.



Tech Tip 13

This is a closer picture showing the recommended location of the first pop rivet.



Step 14

Insert a pop rivet in the pop rivet gun as shown.



Step 15

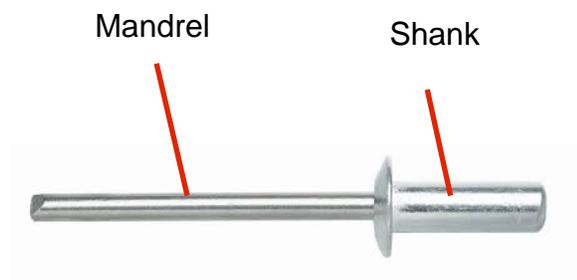
Insert the pop rivet into the drilled holes, press hard against the Diamond Plate Corner and squeeze the handles of the pop rivet gun together.

Caution: It is very important to press the rivet gun hard enough against the Diamond Plate Corner so there is no gap between the Diamond Plate and the fender.



Step 16

Let the handle up and squeeze the handles together again. Continue this pumping action until the pop rivet snaps and the pop rivet gun breaks away. The mandrel (looks like a nail) of the pop rivet will most likely stay in the gun, but should fall out when the gun is tilted. If not, pull the handles apart releasing the mandrel of the pop rivet. The pop rivet should look like the one in the above picture when properly installed.



Tech Tip 16

To see an animation of how a pop rivet works click [HERE](#).





Step 17

Drill the second hole the same way you did the first hole, in the location shown here.

Note: Check the inside of the finder to insure you are drilling in a safe spot.



Step 18

Install the pop rivet in the second location following the same procedure as before.





Step 19

Install the rest of the pop rivets in the order and location indicated above.

Note 1: When installing rivet 5,6,7 & 8 you will need an assistant to push on the Diamond Plate Corner in order to eliminate the gap between the plate and the fender. It may even be necessary to bend the diamond plate to accomplish a better fit.

Note 2: Always be aware of what is on the other side (inside) of the fender when deciding where to drill. Avoid drilling through electrical wires, fuel system components, etc. If in doubt don't drill.



Tech Tip 19

This shows a little clearer view of the approximate locations of rivets 5,6,7 & 8.



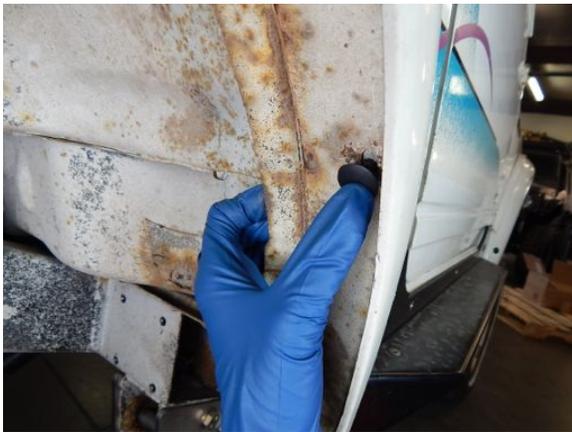
Step 20

Reposition the fender flare.



Step 21

Be sure the tabs are fully seated by hitting downward with your fist.



Step 22

Install all the clips you removed earlier.

Note: It works best if you start at the front of the fender flare and work toward the rear.

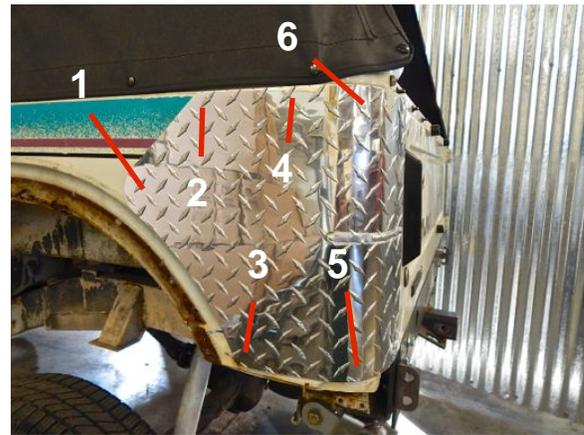


Installing the Driver Side Diamond Plate Corner



Step 23

Repeat the above instructions on the driver side using the following steps as recommended rivet locations and sequence. Again, these are only recommendations.



Step 24

Install rivets 1 through 6.



Step 25

Install rivets 7 and 8.



Step 26

Reinstall the fuel tank fill hose cover if removed earlier.



Congratulations!

You have successfully installed the Diamond Plate Corners. We hope these instructions have been helpful. If you have suggestions on how to make these instructions (or products) better, please email us at: sales@lowrangeoffroad.com



As always, If you experience any difficulty during the installation of this product please contact Low Range Off-Road Technical Support at 801-805-6644 M-F during regular store hours. Thank you for purchasing from Low Range Off-Road.



These instructions are designed as a general installation guide. Installation of many Low Range Off-Road products require specialized skills such as metal fabrication, welding and mechanical trouble shooting. If you have any questions or are unsure about how to proceed, please contact our shop at 801-805-6644 or seek help from a competent fabricator. Using fabrication tools such as welders, torches and grinders can cause serious bodily harm and death. Please operate equipment carefully and observe proper safety procedures.

Rock crawling and off-road driving are inherently dangerous activities. Some modifications will adversely affect the on-road handling characteristics of your vehicle. All products sold by Low Range Off-Road are sold for off road use only. Any other use or application is the responsibility of the purchaser and/or user. Some modifications and installation of certain aftermarket parts may under certain circumstances void your original dealer warranty. Modification of your vehicle may create dangerous conditions, which could cause roll-overs resulting in serious bodily injury or death. Buyers and users of these products hereby expressly assume all risks associated with any such modifications and use.

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