

PARTS DOCS

How to Install a Perrin Overpipe on a Subaru BRZ

A quick write up (with pictures!) on how to install an Overpipe on a BRZ

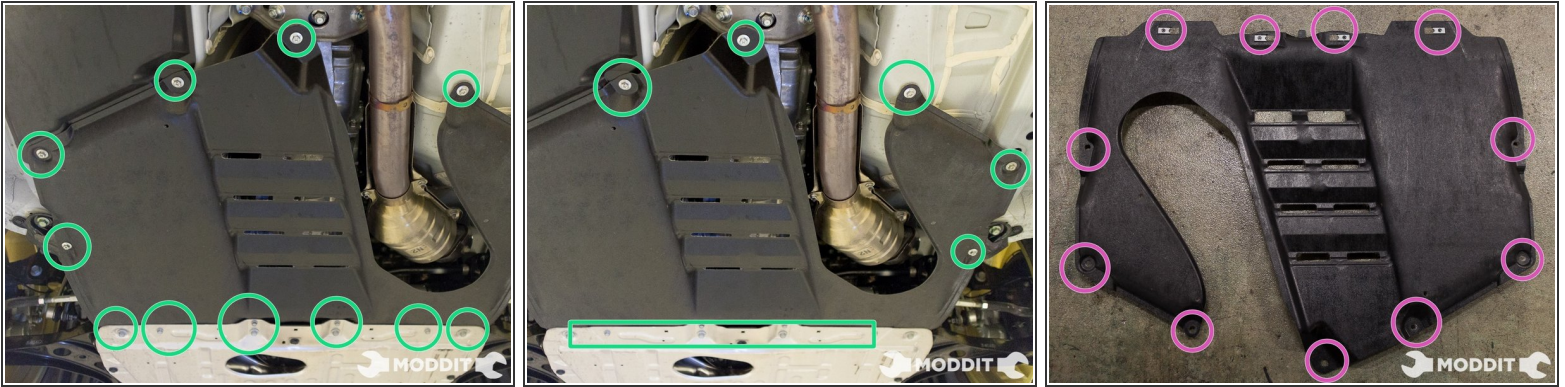
Written By: Bench Espiritu



INTRODUCTION

In this install, we show the difference between the stock OEM over pipe VS. the Perrin Over Pipe on a Subaru BRZ. We also show a quick how to on the install process as well.

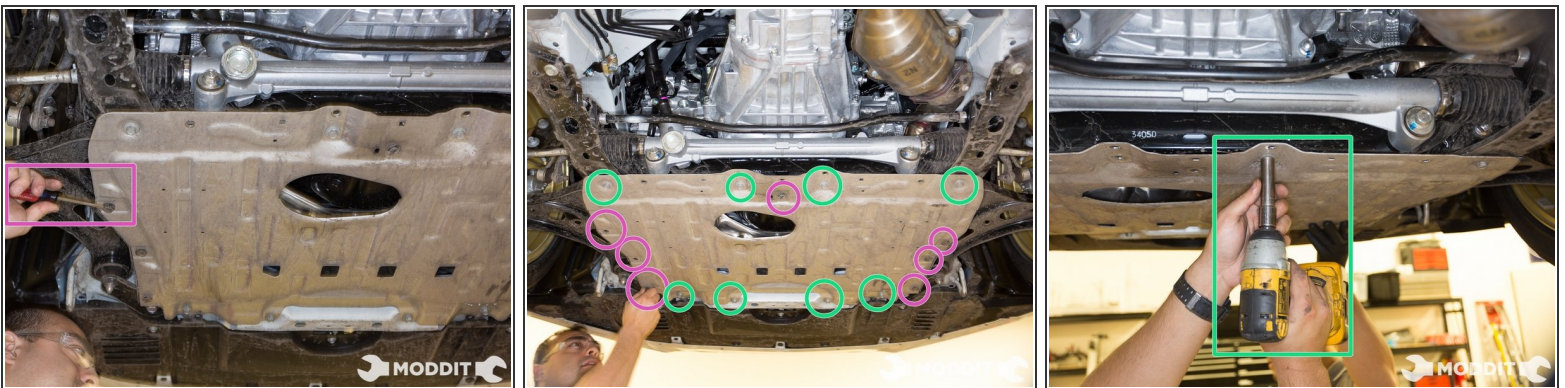
Step 1 — How to Remove the OEM Undertrays on a Subaru BRZ



⚠ Initially, before starting on any project on the front of the car, you would want to get it in the air. Supported by Jack stands.

- There are various bolts on the back under tray that need to be taken off with a 10mm socket
- There are 11 Bolts that have to be taken off to remove the black under tray.

Step 2



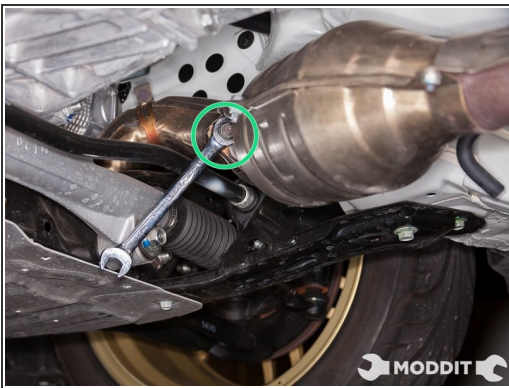
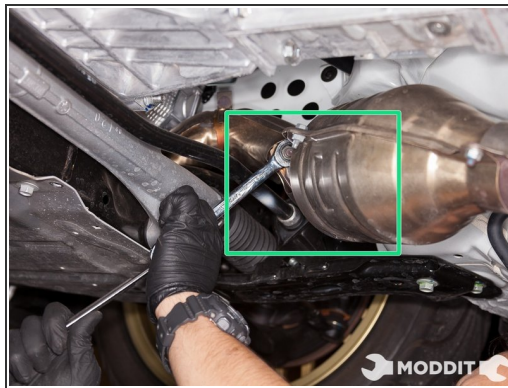
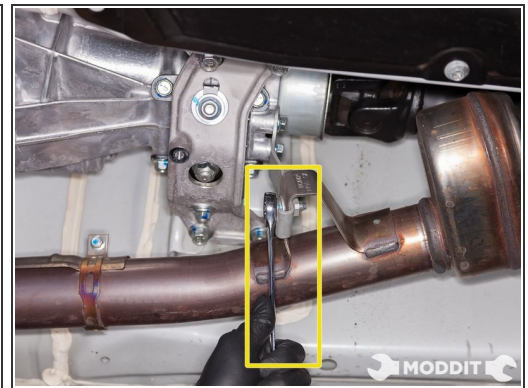
- After getting the rear under tray off, its time to move on to the front under tray.
- There's 7 black clips that require a flat head to pop out. Be careful not to break the head on these. Once they pop out, just pull them out of the hole.
- After the Clips are out, go ahead and use the 10mm socket to get the bolts out. There should be (8) 10 mm head bolts holding up the under tray.
- ☑ Once those bolts are taken out, the under tray will drop. Be careful not to damage the tray as it is a key item in the undercarriage of the vehicle.

Step 3 — How To Remove The Front Pipe Off Of A Subaru BRZ



- ✦ First step is to unbolt the nuts from the front pipe that connects to the cat back part of the exhaust. Keep these, as they will be reused later on.

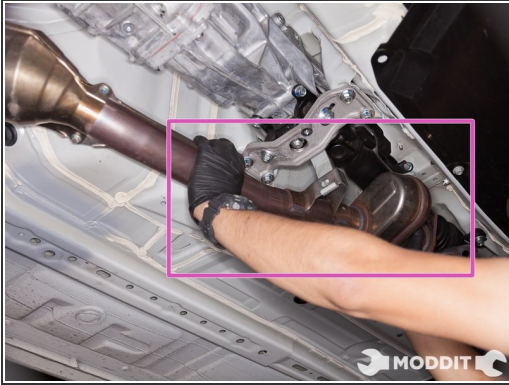
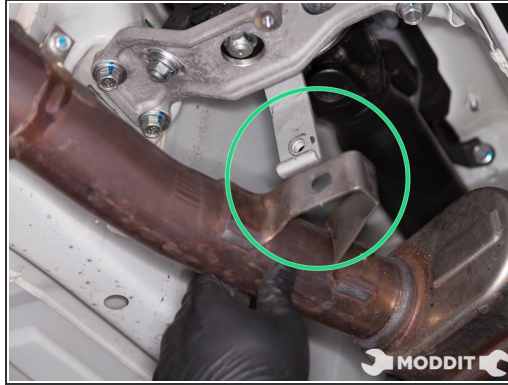
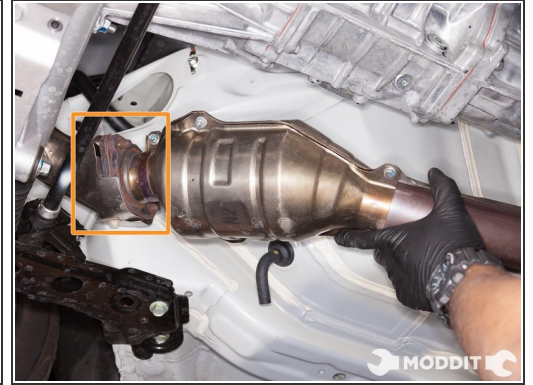
Step 4



⚠ Caution, depending on your region's weather condition, oxidation must make it difficult to remove nuts.

- Using a 14mm wrench, remove the two nuts holding the frontpipe to the overpipe.
- Utilizing a 14mm wrench, remove the bolt supporting the front pipe to the transmission mounting bracket.

Step 5



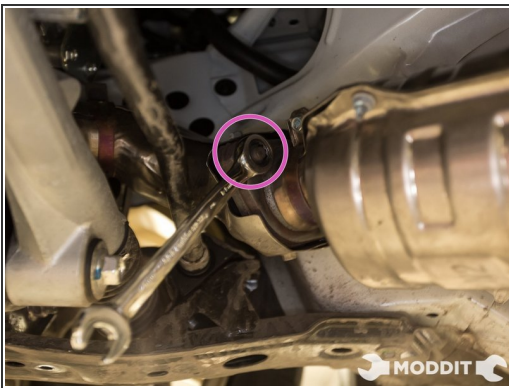
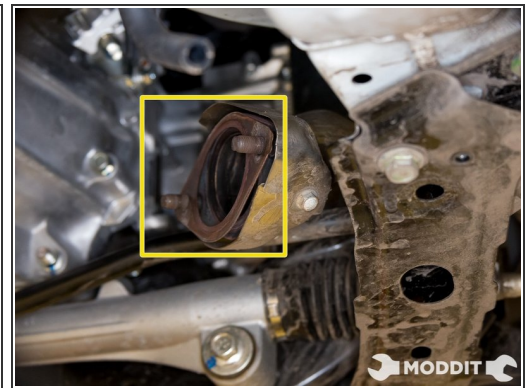
- With the front pipe being supported by the hook on the center bracket, separate the front pipe from the catback.
- Remove front pipe from center bracket. Some pressure on the bracket may be required.
- Front pipe can now be separated from the overpipe studs.

Step 6



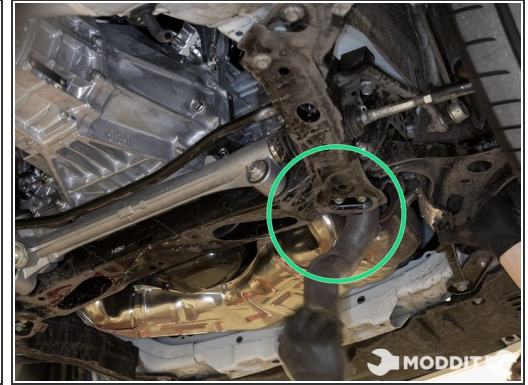
- Now that you have the Stock front pipe out, you are now ready for the install of the replacement front pipe, or any other exhaust component.

Step 7 — How to Remove the OEM Stock Overpipe



- After the removal of the front pipe, you are now ready to move on to the over pipe.
- Remove the nuts securing the overpipe to the header. A 14mm gear wrench is suggested.

Step 8



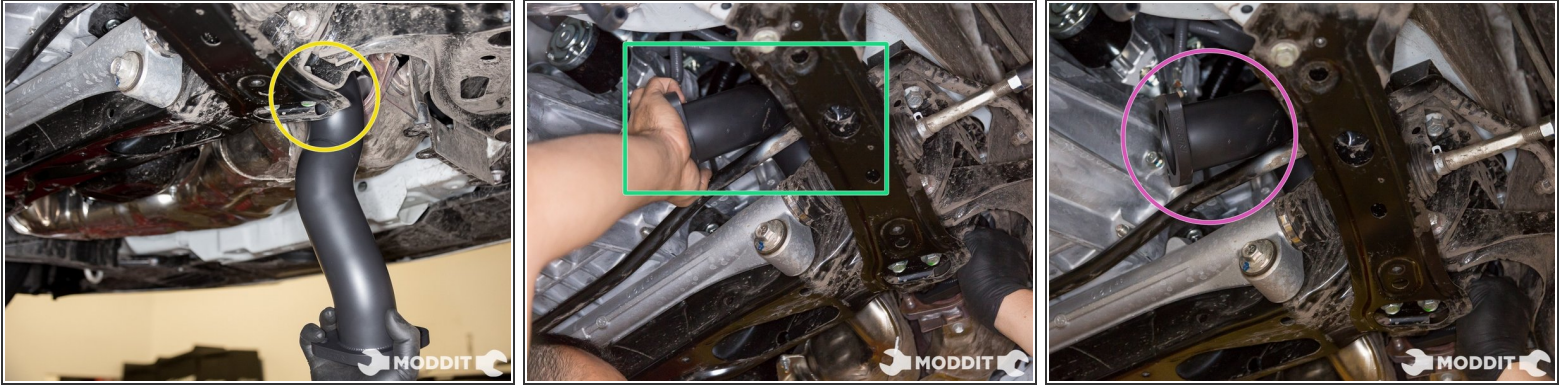
- Remove the four 10mm bolts and one 10mm nut securing the heat shield to the overpipe. Remove the heat shields.
- With the heat shields removed, you may now maneuver the overpipe forward and under the header.

Step 9 — How to Install a Perrin Overpipe on a Subaru BRZ



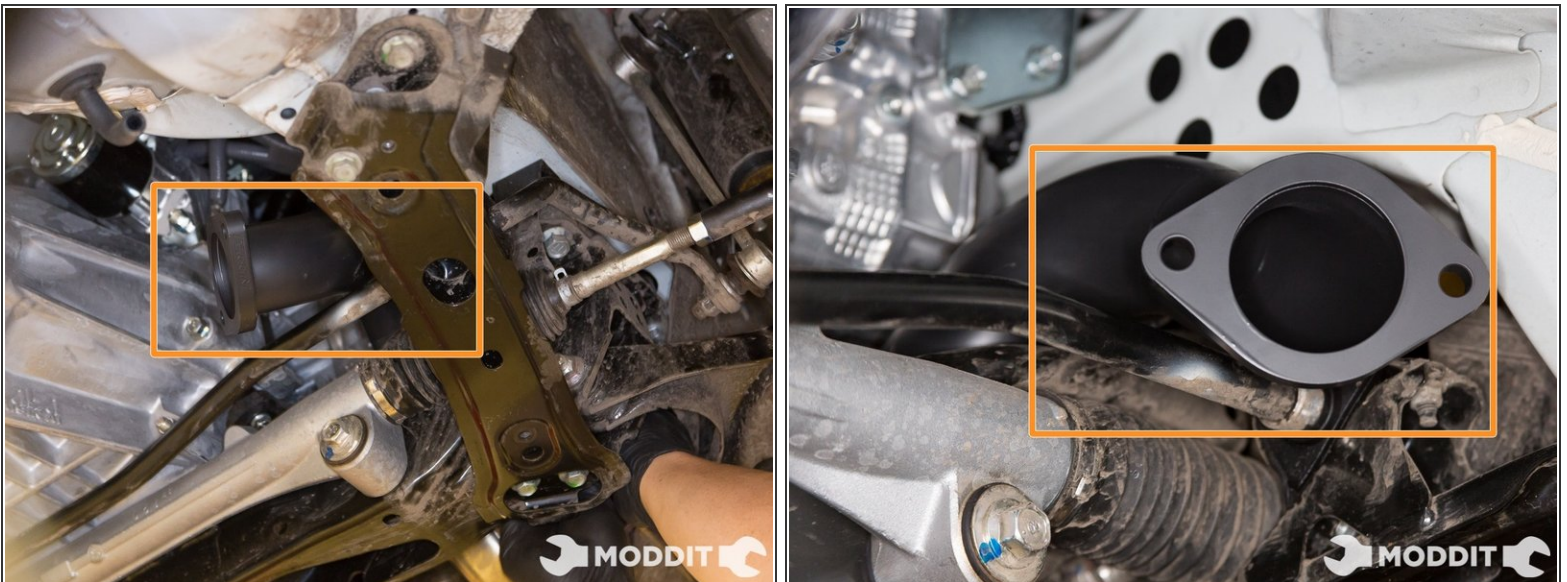
- After you've gone through the removal of the under trays and splash guards, youre probably thinking to yourself, WHY AM I DOING THIS!!.....lol
- Just think about the stock over pipe vs the Perrin one and You will realize there's power that need to be released, along with sound and responsiveness.
- Not Only is the perrin overpipe wider, its also a bit straighter and lighter. This increases engine response and relieves some tension from the restrictive stock exhaust.

Step 10



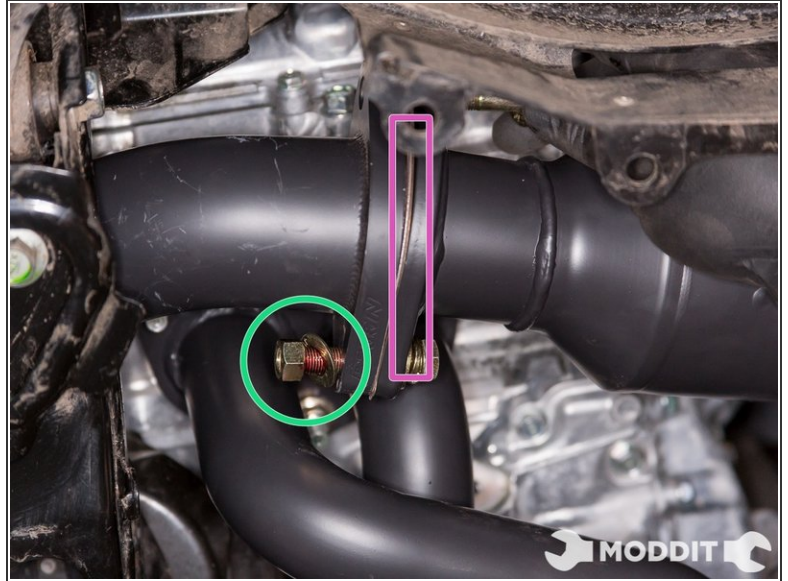
- So once you've let out the frustration from the removal of the stock overpipe, its time to install the new aftermarket one.
- We start out by maneuvering the over pipe over above the sub frame and steering rack.
- Twist in a counter clock wise motion until the two flanges meet their matches on the front and rear of the pipe.

Step 11



- After twisting and twisting, the over pipe should now be in place and you are ready to bolt up the header and the up pipe.

Step 12



- Before the excitement kicks in and starting to bolt everything in, make sure you have the gaskets in place on the ends of the pipes.
- These gaskets make sure that you have a good seal within the exhaust and it also keeps the fumes out from being vacuumed into the car during a leak.
- After you have the gaskets in place, pull the over pipe to the header, then start bolting it down.

Step 13



- Once the over pipe is loosely connected to the header, go ahead and connect the down pipe on the back of the over pipe.
- Do not forget about the gasket again as you would want the exhaust to seal perfectly.
- Wiggle the over pipe into place to match up the holes with the down pipe. Then start bolting the two together as well.

Step 14



- Once all 4 bolts and 2 gaskets are in place, you can start bolting and tightening everything together.
- After all bolts are tight, make turn on the car and make sure there are no leaks in the system.
- After making sure there's no leaks, go ahead and start putting everything back in place. Including the splash shield and undertray.
- When you're completely and absolutely finished, go for a drive to your local supermarket, pick up something to drink and enjoy that new fancy sounding boxer motor of yours.

With the lighter exhaust, and the opened up flow, the car should feel a lot more responsive. The perrin over pipe is a great addition to a full exhaust system.