

# PERRIN

## Front Pipe w/Catalyst for 22+ WRX 6-Spd Manual

2024-03-19

PSP-EXT-232

Thank you for purchasing this PERRIN product for your car! Installation of this product should only be performed by persons experienced with installation of aftermarket parts and proper operation of high performance vehicles. If vehicle needs to be raised off the ground for installation, the installer must use proper jacks, jack-stands and/or a professional vehicle hoist for safety of the installer and to protect property. If the vehicle is lifted improperly, serious injury or death may occur! Please read through all instructions before performing any portion of installation. If you have any questions, please contact our tech department prior to starting installation. We can be reached in any of the following methods:

Email [Tech@PERRIN.com](mailto:Tech@PERRIN.com)

Instant Chat off the main page of [www.PERRIN.com](http://www.PERRIN.com)

Or simply call our tech team at 503-693-1702

### GENERAL MODIFICATION NOTE

Modifications to any vehicle can change the handling and performance. As with any vehicle extreme care must be used to prevent loss of control or roll-over during sharp turns or abrupt maneuvers. Always wear seat belts, and drive safely, recognizing that reduced speeds and specialized driving techniques may be required. Failure to drive a vehicle safely may result in serious injury or death. Do not drive a vehicle unless you are familiar with its unique handling characteristics and are confident of your ability to maintain control under all driving conditions. Some modifications (and combinations of modifications) are not recommended and may not be permitted in your state or country. Consult the owner's manual, service manual, instructions accompanying these products, and local laws before purchasing and installing these modifications. You are responsible for the legality and safety of the vehicle you modify using these components.

### EMISSIONS WARNING

This part is designed, manufactured, and sold solely for use on racing vehicles not controlled by federal and or local emissions laws. It is not intended for use on vehicles that operate on public streets and highways. Use of this part on emissions-controlled vehicles may be in violation of federal or local law! ASMC, LTD. is not responsible for any damages as a result of misuse of this part. Check your local laws prior to use or installation.



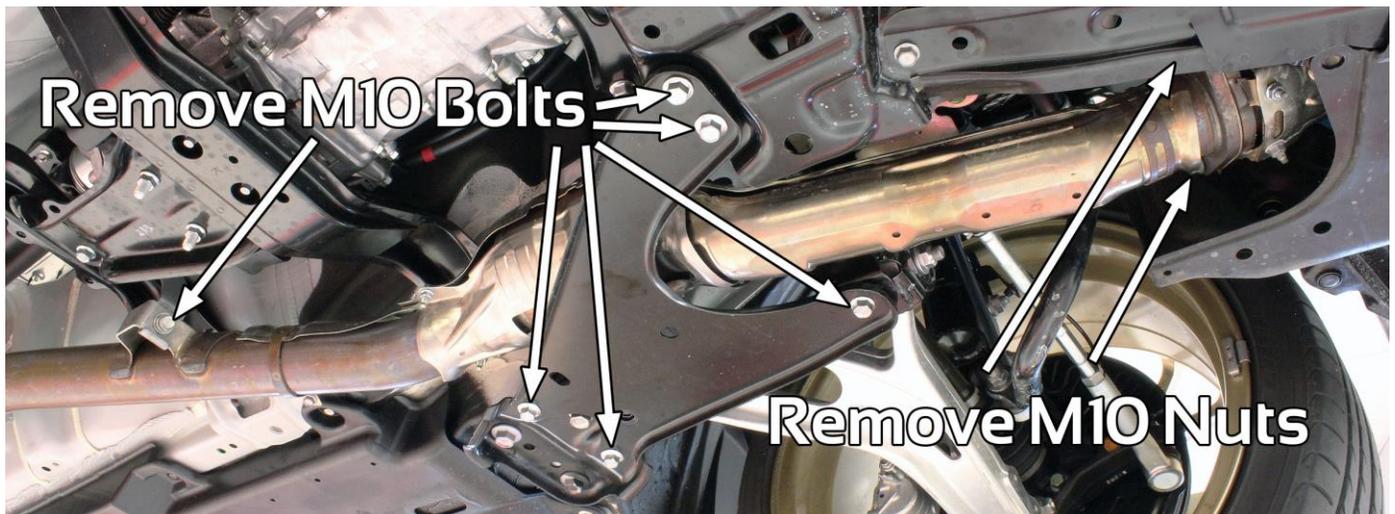
**WARNING:** This product can expose you to chemicals including Lead which is known to the State of California to cause cancer birth defects or other reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

### SPECIAL NOTES:

- We highly recommend replacing the front gasket with new Subaru brand gaskets (PN 44011AG001), not aftermarket gaskets. These can be too thick and compress too much causing flanges to warp when tightened. These can be purchased online at [www.PERRIN.com](http://www.PERRIN.com)
- The use of a penetrating oil will greatly reduce the chances of galling threads on bolts as they are removed.
- We highly recommend the use of anti-seize on threads of all bolts when reassembling.

### Parts Included with the PERRIN Front Pipe w/Catalyst:

1	XC-PSP-EXT-232-1	Front Pipe, Front Section for 22+ WRX
1	XC-PSP-EXT-232-3	Front Pipe, Rear Section w/Cat for 22+ WRX
1	X-PSP-EXT-232-2	Front Pipe, Mid-Section for 22+ WRX, Brushed Finish
2	X-CLAMP-300DEC	Coupler for 3.00" Exhaust Butted Tube Type
1	X-ASM-EXT-109	Gasket 3"ID
2	X-BLT-3824CH8-ZY	3/8-24 X 1.5 Hex C/S Gr. 8 Zy
2	X-BLT-38NF8-ZY	3/8-24 Grade 8 Nut
2	X-BLT-37WS8-ZY	3/8" Lock Washer
4	X-BLT-37WSAEH-ZY	3/8" SAE Flat Washer Zinc Yellow



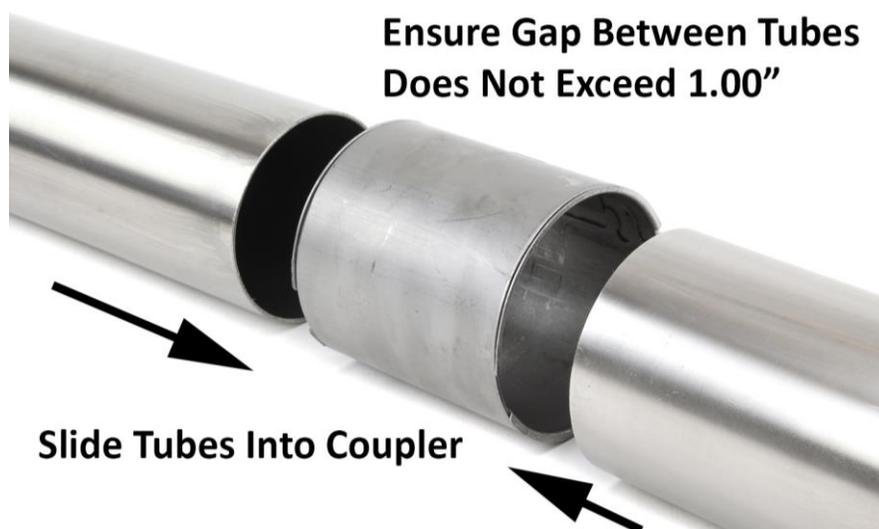
## Removal Of OEM Front Pipe

1. Raise vehicle off ground using vehicle hoist or proper jack and jack stands. Never support vehicle with jack as death or injury may occur.
2. Locate and remove (6) M10 bolts securing triangular brace to chassis.
3. Locate and remove (2) M10 nuts securing OEM front pipe to OEM front exhaust section.
4. Locate and remove (2) bolts, nuts, and springs securing OEM front pipe to catback exhaust.
5. Remove (1) M10 bolt securing OEM front pipe to transmission hanger, then use a small pry tool to remove exhaust from hanger and then remove from car.

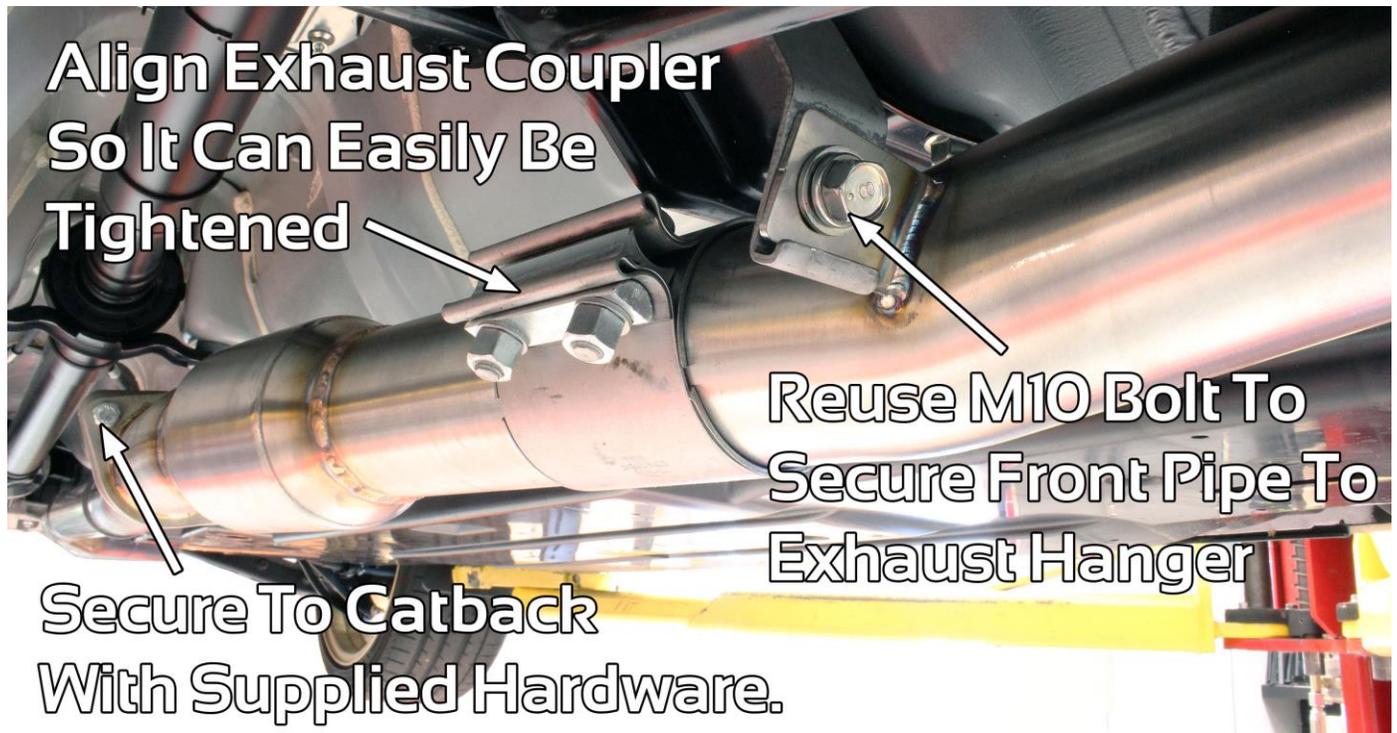


## Installation of PERRIN Front Pipe

1. Install front section of PERRIN Front Pipe to car, using nuts removed in previous step. Leave bolts loose at this time. **NOTE: The OEM gasket can be reused if it is in good operating condition. We highly recommend replacing the gasket with another OEM gasket on any high mileage car. Replace any turbo studs and nuts that were damaged during removal.**
2. Install mid-section of PERRIN Front Pipe to exhaust hanger and hold in place with bolt removed previously.
3. Install 3" exhaust coupler over end of pipe that was installed and leave loose at this time.
4. Slide exhaust coupler from front section to mid-section making sure it is equally covering both tubes. Do not exceed 1" of a gap between both tubes. Lightly snug down hardware to loosely hold tubes in place.



5. Install 3" exhaust coupler over end of remaining rear section and leave loose at this time.
6. Using supplied hardware and 3" gasket, loosely connect PERRIN Rear section to exhaust making sure to align flanges as best as possible.



7. Slide 3" exhaust coupler from rear section to mid-section making sure it is equally covering both tubes. Do not exceed 1" of a gap between both tubes. Lightly snug down hardware to loosely hold tubes in place.
8. With all (3) PERRIN Front Pipe exhaust sections loose, start at the front and snug (2) M10 nuts to OEM front catalyst, adjust mid-section until there is ample clearance around all parts of the car, then snug down 3" exhaust coupler to hold tubes in place.
9. Moving to the rear section, snug bolts to catback exhaust then snug remaining 3" exhaust coupler.
10. Reinstall chassis brace and tighten all bolts 44ft-lbs.
11. Starting at the front, tighten (2) M10 nuts to 25ft-lbs, then tighten M10 bolt at the exhaust hanger to 25ft-lbs. Tighten supplied 3/8" bolts and nuts to 25ft-lbs, then finally tighten each exhaust coupler to 40ft-lbs.
12. Re-check the clearance around all exhaust parts and make any adjustments by loosening the hardware and moving pipes around, then retightening them. Keep in mind that there are rotational adjustments and length adjustments for both exhaust coupler connections.
13. Before proceeding, start car and listen for exhaust leaks and watch for any evidence of leaking fluid (evidence of an exhaust leak). Fix any issues before proceeding.
14. Take car for test drive and listen for any leaks. If any leaks are found, repair and retest.
15. After 5 hours of drivetime, re-check all hardware for tightness.

**Questions, Comments and Suggestions Contact: [Tech@PERRIN.com](mailto:Tech@PERRIN.com)  
Visit Our Website for Instant Chat Options at [www.PERRIN.com](http://www.PERRIN.com)**