

# PERRIN

## 2002-2007 WRX/STI Single Tip Non-Resonated Catback

2019-09-11

PSP-EXT-308

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 performance 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@PERRINperformance.com](mailto:Tech@PERRINperformance.com)

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

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

### GENERAL MODIFICATION NOTE

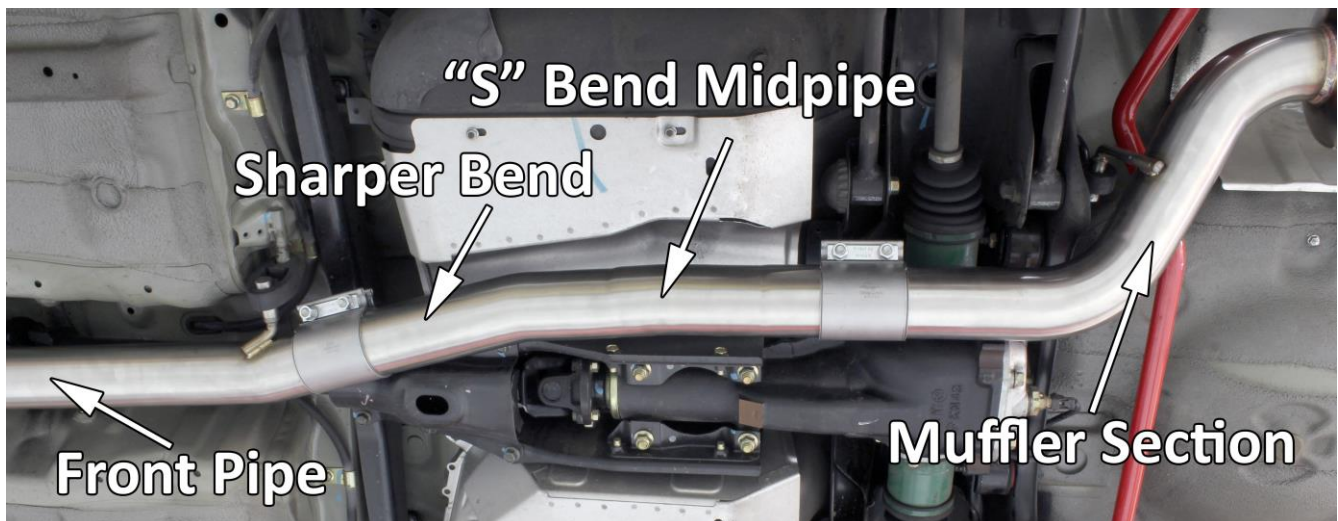
Modifications to any vehicle can change the handling and performance. As with any vehicle extreme care must be used to prevent loss of control or roll-over during sharp turns or abrupt maneuvers. Always wear seat belts, and drive safely, recognizing that reduced speeds and specialized driving techniques 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.

### SPECIAL NOTES:

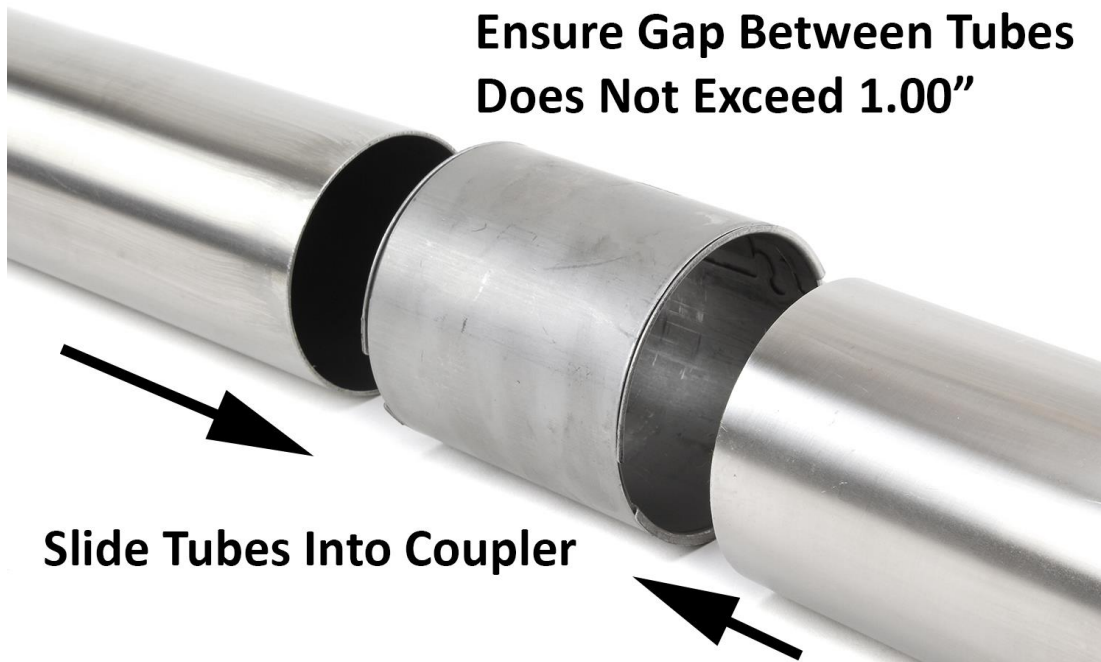
- The use of a penetrating oil will greatly reduce the chances of galling threads on bolts as they are removed.
- We highly recommend the use of anti-seize on threads of all bolts when reassembling.
- The use of lubricant on the hangers will aid in removal and installation of exhaust.

### Parts Included with the PERRIN Exhaust Systems:

- (1) Single Tip Muffler
- (1) "S" Bend Midpipe
- (1) Non-Resonated Front Pipe with Flange
- (2) PERRIN 3" Exhaust Couplers
- (1) 3" Gasket
- (2) M10 Bolts
- (2) M10 Nuts
- (2) M8 x40 Hex head bolt
- (2) M8 Nuts
- (2) M8 Fender washers
- (2) M8 washers



- 1) Remove factory exhaust system. Use factory service manual for additional details.
- 2) Install muffler to vehicle by hanging it on all (3) hangers. Using spray lube on bushings will aid in installing muffler into rubber hangers.
- 3) Install front section of exhaust into hanger and downpipe. Using spray lube on bushings will aid in installing muffler into rubber hanger.
  - a. If OEM downpipe is being used, remove donut gasket install flat gasket and secure with included M8 hardware.
  - b. If aftermarket downpipe is being used, install using supplied M10 hardware and flat gasket.
- 4) Slide supplied 3" exhaust couplers over end of tubes of front pipe and muffler section.
- 5) Install "S" Bend midpipe onto front exhaust section and slide exhaust coupler over "S" Bend to hold in place. Leave connection slightly loose until final step. **NOTE: "S" Bend midpipe is NOT symmetrical. Side with slightly tighter bend connects to front section of exhaust. If this piece is installed backwards it will cause the system to be pushed to one side.**



**Slide Tubes Into Coupler**

- 6) Adjust both 3" exhaust couplers so they are equally covering both tubes. Snug down hardware on unions to hold tubes in place.
- 7) Take note of tip alignment and position of exhaust in hangers. If system needs to be adjusted (left to right or lengthwise), loosen exhaust couplers and rotate "S" Bend Midpipe slightly as this will move the muffler section left to right. If a length adjustment is also needed, you can slide tubes out of couplers making sure NOT to exceed a 1" gap between the tubes. **NOTE: Tubes will be tight around rear differentials on STI models with larger rear diffs. Take time and adjust system so tubes have roughly ½" clearance around diff.**
- 8) Tighten all bolts to 25ft-lbs of torque, and couplers to 40ft-lbs. **NOTE: Do not use an impact gun on these clamps or damage to the threads will occur!**
- 9) Start vehicle and check for leaks prior to driving vehicle. (NOTE: DO NOT START VEHICLE IN AN ENCLOSED AREA AS DEATH CAN RESULT FROM CARBON MONOXIDE POISONING. ALWAYS OPERATE IN A WELL-VENTILATED AREA!)

SPECIAL NOTES: NEW EXHAUST SYSTEMS WILL HAVE SOME ODOR AND OR SMOKE ASSOCIATED WITH THE INSTALLATION AND BREAK IN PROCESS. BOTH SHOULD BE ELIMINATED WITHIN 100 MILES OF FREEWAY DRIVING.

**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)  
 Call Our Tech Team at 503-693-1702**