

PERRIN

2011+ WRX/STI Sedan Dual Tube Exhaust

2017-03-08

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

Instant Chat off the main page of 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 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 from car.

Parts Included with the PERRIN Exhaust System:

- (1) Muffler Left Side
- (1) Muffler Right Side
- (1) Dual Tube "Y" Pipe
- (1) Dual Tube Mid Pipe
- (4) 2.25" Exhaust Union Clamps
- (1) 2.55" Exhaust Gasket
- (2) 3/8-24 x 2" hex bolts grade 8
- (4) 3/8 flat washer
- (2) 3/8 split washer
- (2) M8 x40 Hex head bolt
- (2) M8 Nuts
- (2) M8 Fender washers
- (2) M8 washers

- 1) Remove factory exhaust system from car. Use factory service manual for additional details. It can be helpful to have a second person on hand to help.
- 2) Install left and right muffler into hangers, making sure to use spray lube inside the rubber hangers to aid in muffler brackets sliding on.
- 3) Install Y-Pipe to hanger in middle of car, making sure to use spray lube inside the rubber hangers to aid in muffler brackets sliding on. Slide (4) 2.25" Exhaust Union Clamps to all ends of the Y-Pipe leaving no overhanging clamp.
- 4) In one step (having a friend help), install Mid-Pipe section of exhaust to downpipe and slide Exhaust Union Clamps from Y-pipe to Mid-Pipe:
 - a. If OEM downpipe is being used, remove donut gasket and install supplied flat gasket and secure with included M8 hardware.
 - b. If aftermarket Front-Pipe is being used, install using supplied 3/8-24 hardware and supplied flat gasket.
- 5) Slide remaining Exhaust Union Clamps from Y-Pipe to muffler sections and prepare to adjust exhaust system to fit to bumper and clear rear differential.
- 6) With all connections, loose, start at front and tighten hardware securing exhaust to downpipe.
- 7) Move to the first (2) Exhaust Unions and slide them so they are equally covering both tubes. Snug down hardware on unions to hold tubes in place.

- 8) Move to the last (2) Exhaust Unions and slide them so they are equally covering both tubes. Snug down hardware on unions to hold tubes in place.



Slide Tubes Into Coupler

Ensure Gap Between End Of Tubes Does Not Exceed 1.00"

- 9) Adjust system to desired position one final time. During this process, rotating and pulling tubes in and out of couplers may be necessary. Make sure that equal amounts of tubing are placed inside of coupler, and not exceeding more than 1" of a gap between ends of 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.**
- 10) 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!**
- 11) 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 ELIMINTATED WITHIN 100 MILES OF FREEWAY DRIVING. HOWEVER, IF EXCESSIVE SMOKE OR ODOR IS NOTED AT INITIAL START-UP, CHECK ENTIRE INSTALLATION PRIOR TO PROCEEDING TO TEST DRIVE. ALSO, STAINLESS STEEL WILL DISCOLOR THROUGHOUT THE LIFETIME OF THE SYSTEM. THIS IS NORMAL AND NOT CAUSE FOR CONCERN.

Questions, Comments and Suggestions Contact: Tech@PERRINperformance.com

Visit Our Website for Instant Chat Options at www.PERRINperformance.com

Call Our Tech Team at 503-693-1702