

# **PERRIN**

## **PERFORMANCE**

### **2013+ BRZ/FR-S Catback Exhaust w/ Resonator**

2015-07-20

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 factory service manual is highly recommended. These can be purchased or downloaded online at <http://techinfo.subaru.com>.
- 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 treads 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) BRZ/FR-S Muffler
- (1) BRZ/FR-S S-Pipe
- (1) BRZ/FR-S Midpipe
- (2) 2.5" PERRIN V-band clamp
- (1) 2.875" Exhaust Gasket
- (5) 3/8" Collar Clamp
- (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 muffler into hangers.
- 3) Install S-Pipe to muffler using supplied V-band clamp, and slide into chassis mounted rubber hanger. Leave clamp slightly loose at this time.
- 4) Install mid-pipe section of exhaust to Front-Pipe and to S-Pipe making sure to use supplied V-Band clamp at rear.
  - a. If OEM Front-Pipe 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 supplied gasket between catback and frontpipe, and use supplied 3/8-24 hardware to secure.
- 5) Install (1) 3/8" collar clamp to hanger on midpipe. This can be used to adjust system left to right during the adjusting step.

- 6) Install (4) supplied 3/8" Collar clamps to muffler hangers. These can be use to adjust system left to right slightly.
- 7) With system installed, (connections still loose) adjust system to desired position and tighten bolts and flanges starting from front of car working toward back of car. **NOTE: Adjustments can be made at v-band connections, flanged connections, and rubber hangers using supplied collar clamps to direct system to fit in bumper opening.**
- 8) Tips will most likely not line up with bumper. Twisting the S-pipe with both v-band connections loose, will push and pull the tips from the bumper. Adjust to desired location and tighten v-band flanges.
- 9) Tighten all bolts to 25ft-lbs of torque, and v-band clamp to 75 in-lbs. **NOTE: Do not use an impact gun on these clamps or damage to the threads will occur!**
- 10) 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](mailto:Tech@PERRINperformance.com)**  
**Visit Our Website for Instant Chat Options at [www.PERRINperformance.com](http://www.PERRINperformance.com)**  
**Call Our Tech Team at 503-693-1702**