

PERRIN

Strut Bar for 2002-2007 WRX/STI/Impreza/Forester

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.

SUSPENSION INSTALLATION NOTE

Installation of this product is a modification to the vehicle suspension. As a result, the vehicle may handle differently than that of factory-equipped vehicles. 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 this vehicle safely may result in serious injury or death. Do not drive this vehicle unless you are familiar with its unique handling characteristics and are confident in 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 your owner's manual, service manual, instructions accompanying this product, and local laws before undertaking these modifications. You are responsible for the legality and safety of the vehicle you modify using these components.

SPECIAL NOTES:

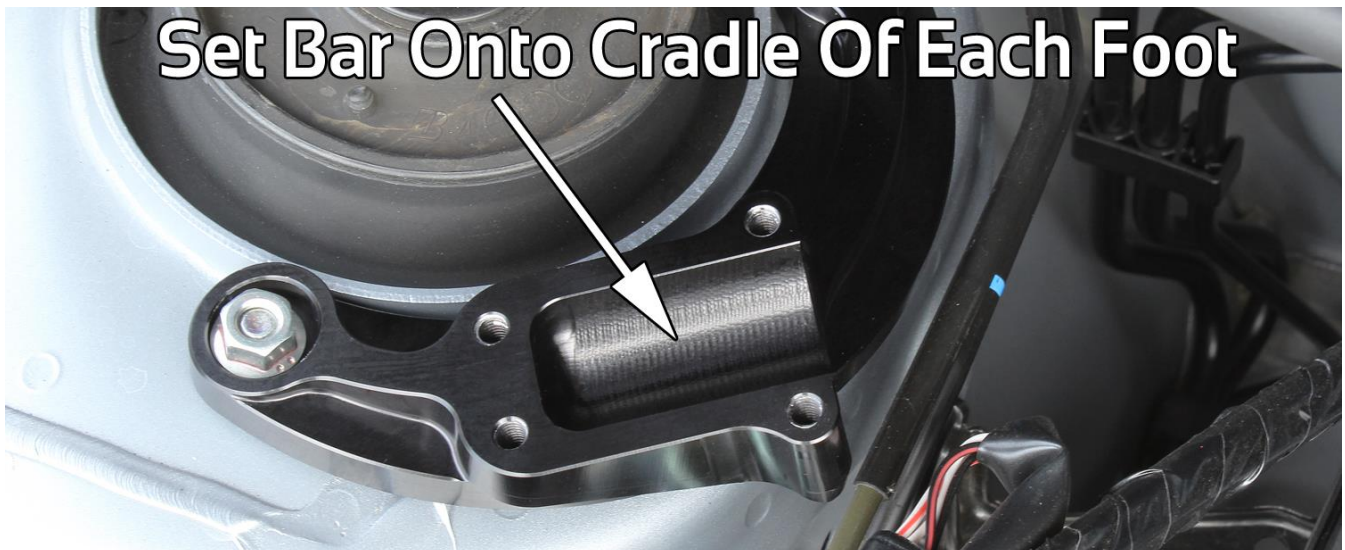
- Leave vehicle on the ground during installation.
- Bar may be tight fitting if car has been in an accident. Take extra time aligning each side before final tightening.
- 2002-2005 Cars with factory alarm installed will need to relocate horn assembly located on right side of car. There are a few locations to bolt it to on the shock tower.

Parts Included with the PERRIN Front Strut Bar:

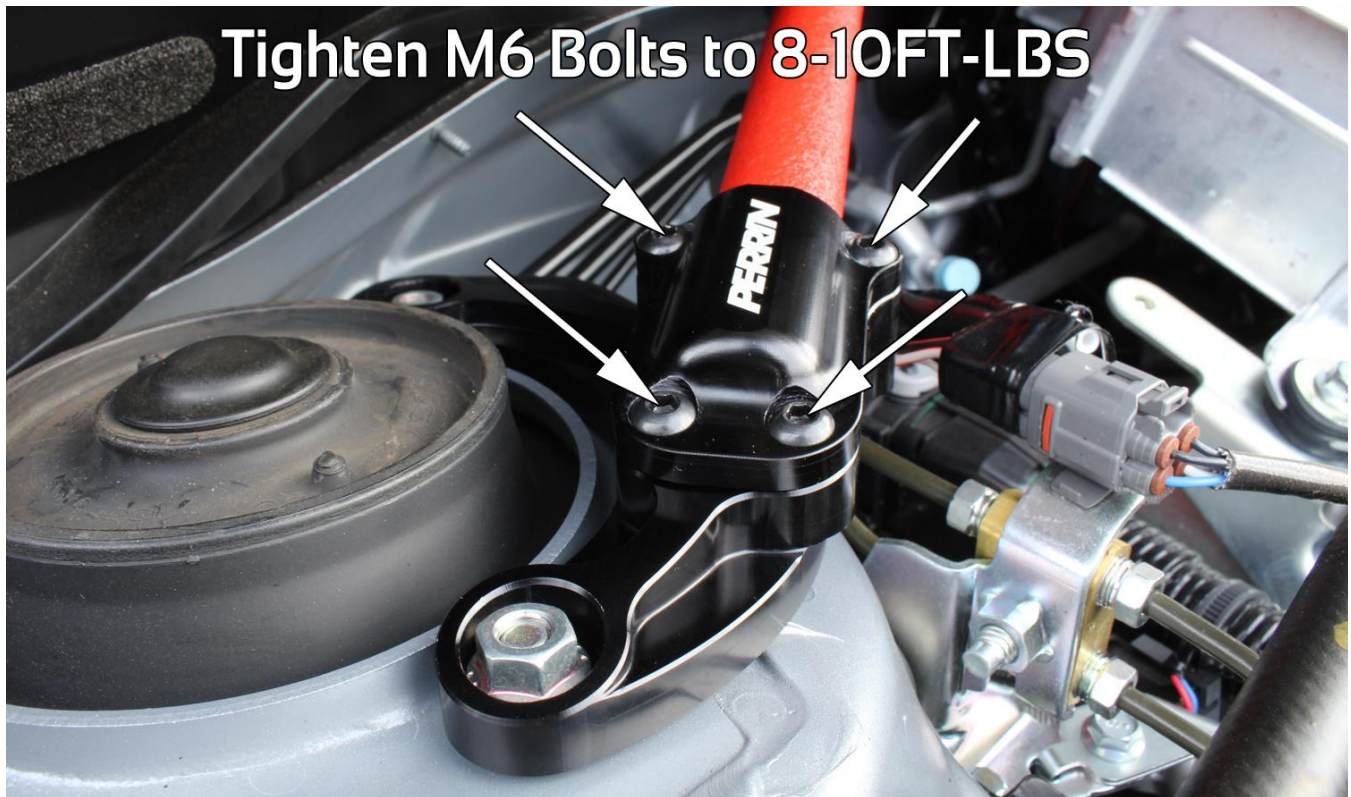
- (1) Pair of Left and Right feet
- (2) Strut Foot Caps
- (1) Crossbar
- (8) M6x14 Button Head Cap Screw
- (1) M4 Hex Wrench
- (6") 1/2" Hose
- (6) Zip Ties

Strut Bar Instructions:

- 1) Remove (6) OEM strut top nuts using a 12mm socket.
- 2) Remove AC line bracket from AC line and from chassis on left side of car. Depending on year of car, some slight bending of AC line may be needed.
NOTE: After installation, AC line will be secured to strut bar and further bending may be needed. This is covered in steps below.
- 3) Set both strut bar feet onto strut tops and install OEM nuts removed, leaving 1-2 turns loose.



- 4) Slide bar behind intercooler, and under plastic tray and set bar onto feet.
- 5) Line up bar on feet so there is roughly the same amount resting in each foot. **NOTE: Some misalignment may be noticed during this step, this is normal and to be expected. The bars are not designed to bottom out on the inside of the foot, so expect there to be a gap from the end of the bar to the inside of the foot.**
- 6) Set supplied strut bar caps onto each foot and install supplied hardware but leave loose until both sides are done. Finger tighten each bolt so that the cap evenly sits on foot.
- 7) Tighten (6) nuts on strut tops to 14ft-lbs. **Note: Having a thin wall socket or smaller ¼" drive socket will aid in tightening down nuts holding strut feet to chassis.**



- 8) Starting with the inner, working toward the outer bolts on each foot, hand tighten them making sure there is an even gap all the way around. Using proper 1/4" drive or 3/8" torque wrench, tighten all (8) M6 socket cap screws to 5ft-lbs, then to 10ft-lbs or 96 to 120in-lbs. **DO NOT OVER TIGHTEN!! Using supplied M4 short arm wrench to hand tighten is also acceptable, just make sure to tighten then down evenly.**
- 9) If bar appears to be slightly misaligned to engine, simply loosen the (8) M6 bolts and adjust bar by sliding in and out of each foot, then retighten hardware.



- 10) Using above picture as a guide, install supplied 1/2" hose over bar next to AC line. Align in best location to protect bar from AC line, and secure with zip ties.