

PERRIN

Rear Diff/Subframe Lockdown System

09282010

Thank you for purchasing the Perrin Rear Diff/Subframe/Lockdown System. Persons experienced in the installation and proper operation of suspension systems should only perform installation of these parts. *Please read through all the instructions before performing the installation.*

SPECIAL NOTES ABOUT THIS PRODUCT: Many modifications (and combinations of modifications) are not recommended and may NOT be permitted in your country, state or other form of local government. Consult your owner's manual, instructions for each product and all laws before undertaking these modifications. The owner and user are solely responsible for the legality and safety of the vehicle you modify using these components! ALTA and PERRIN Performance are not responsible for any physical or financial damages as result of proper or improper installation, usage or ownership of this product.

Use of this suspension product will result in a change in the handling characteristics of your vehicle. As with ANY vehicle, extreme care must be taken to prevent loss of control or roll-over during all driving 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! Once installed do NOT drive the vehicle unless you are familiar with its unique handling characteristic and confident in your ability to maintain control under all driving conditions.

Questions? Please contact us prior to proceeding with installation or use. Contact information is located on this page.

SPECIAL NOTES:

- The use of a factory service manual is highly recommended. These can be purchased or downloaded online at <http://techinfo.subaru.com>.
- <http://subaru.spx.com> is a place to buy OEM tools.
- It is critical that all bolts and nuts are tightened, improper tightening can cause serious injury or death.

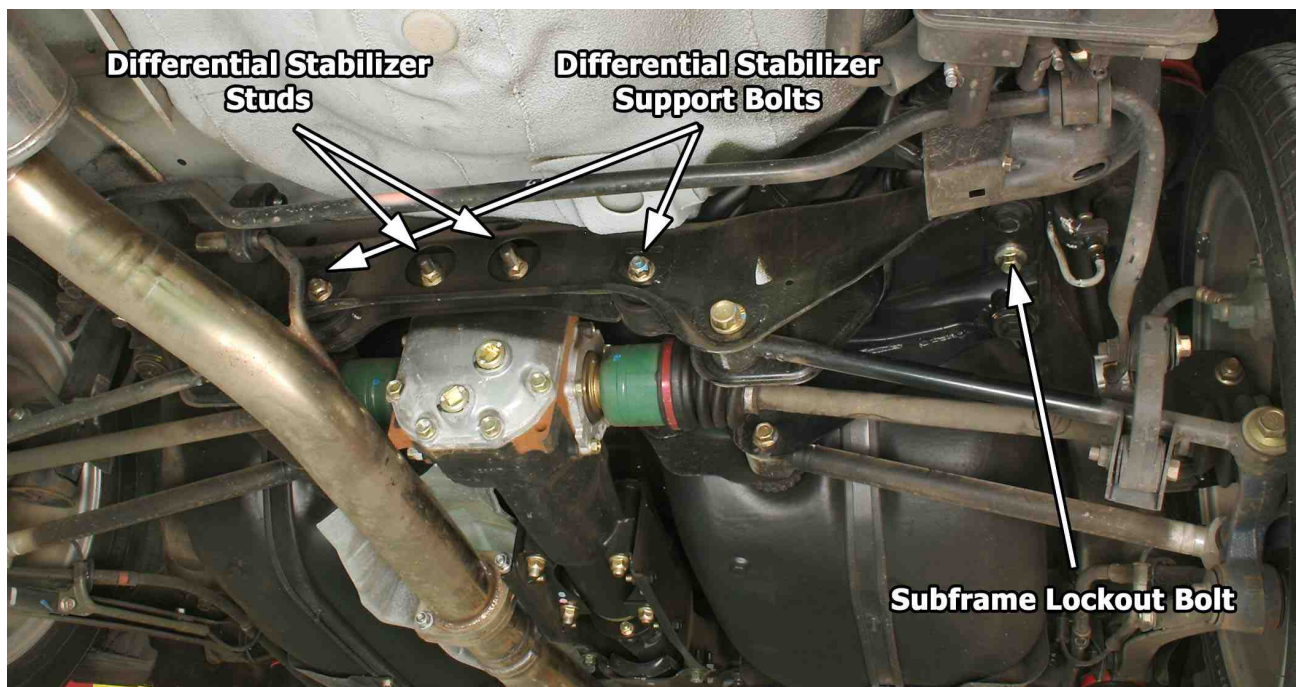
Parts Included with the PERRIN SUB FRAME LOCK DOWN:

- (2) Differential Support Beam Lockout Bushings (X-PSP-SUS-522)
- (4) Differential Lockout Bushings (X-PSP-SUS-521)
- (2) M12x60mm grade 10.9 bolts
- (2) SS Subframe lock-out bushing (pressed on bolt)

Checked By _____

Installing rear differential support bushings

1. Park car on a smooth level surface. Using a suitable commercial hoist or jack, raise car and support on jack stands remove rear wheels.
2. Support rear differential using jack or adjustable stand. Remove two nuts securing differential stabilizer to differential. Using stud removal tool, or Jam nut technique, remove studs from rear differential cover.



3. Remove two bolts and nuts securing differential stabilizer to rear subframe. Lower differential slightly to allow for clearance to remove bolts.
4. Remove differential stabilizer from sub frame, install 4 smaller red urethane bushings around the OEM bushings center mounting points. 2 bushings install on each side.
5. Reinstall differential support brace into chassis using bolts to hold in place. Don't tighten yet.
6. Raise differential back into car, line up stud holes with differential support holes and reinstall studs.
7. Tighten differential stabilizer support bolts to 70ft-lbs. Tighten nuts on studs protruding through sub frame to 70 ft-lbs.

Installing rear subframe lock out bolts

1. Locate empty threaded holes on rear subframe. Above figure shows location of empty hole.
2. Screw bolt/bushing into empty hole on each side of car. Tighten to 60ft-lbs. Note: Bolt/spacer may make some popping sounds while bolt is being tightened into chassis. This is normal.

Installing differential front support bushing

1. Locate differential front support beam and the (2) outer bolts securing it to chassis.
2. Remove passenger side large bolt securing front support beam to chassis, and two bolts securing plate to chassis.
3. Pull down front support brace until enough room is made to place bushings on top of OEM bushings. (Note: make sure to leave round steel plate on chassis with small tabs facing down)
4. Reinstall plate back onto chassis and tighten bolts to 25ft-lbs.
5. Install large bolt through bushing and tighten to 100ft-lbs.
6. Repeat this process on the driver's side of car.



Common Questions Answered

- A small amount of road noise will be heard with this kit.
- The clunking that occurs during hard launches will be eliminated
- A more positive feel in the drive-train will be noticed

PERRIN Performance Highly Recommends These Complimentary Products:

- PERRIN PSRS system
- PERRIN front and rear swaybars 22mm and 25mm
- PERRIN custom AccessPORT map

For questions & comments please contact

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AIM contact ALTAPERRINSALES