

# PERRIN

## PERFORMANCE

### BRZ/ FRS/ GT-86 Master Cylinder Brace

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.

#### 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:

- This part only fits on left hand drive vehicles.

#### Parts Included with the PERRIN Master Cylinder Brace:

- (1) BRZ/FR-S Master Cylinder Support Bracket
- (1) M5 Allen Wrench
- (1) M6 Allen Wrench
- (1) M6 SS washer
- (2) M6x20 Socket Cap Screw
- (1) M12x30 SS set screw
- (1) M12 SS jam nut

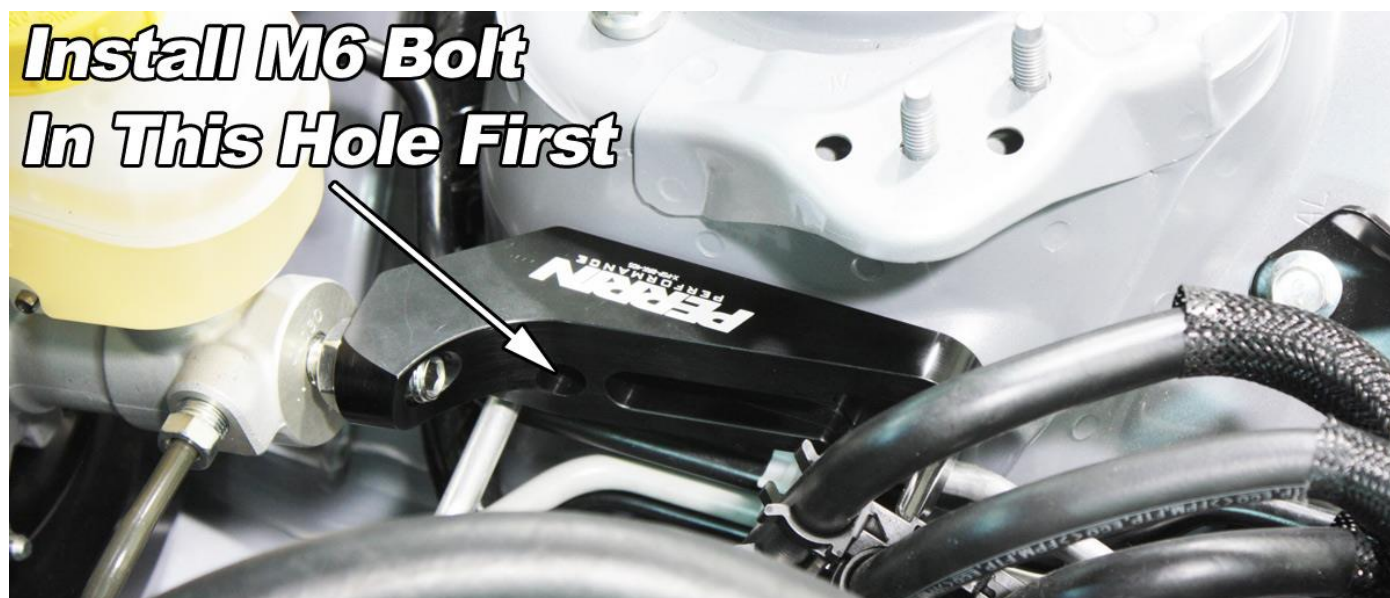
#### Installation of PERRIN Master Cylinder Brace

1. Locate fuel line junction on left side of vehicle. **NOTE: 3 fuel hoses attach to black plastic mount, and snaps into steel bracket that is bolted to shock tower.**
2. Using long needle nose type pliers, squeeze back side of plastic clip to free from steel bracket.
3. Move (3) fuel lines (leaving plastic bracket attached) toward engine to gain room to install PERRIN Master Cylinder Support.
4. Using 10mm socket or wrench remove fuel line bracket to shock tower. **NOTE: This will be reinstalled in later steps.**
5. Locate and remove (2) black stickers toward the left of where fuel line bracket was located. **NOTE: These are covering up two holes that will be used.**
6. Install supplied M12 set screw and jam nut into PERRIN Master Cylinder Support as shown below. **NOTE: Hex head is facing other direction from this angle.**



**Set Screw  
and Jam Nut**

- Using (1) supplied M6x20 bolt in hole closest to M12 Set screw, Install PERRIN Master Cylinder Support to chassis as shown below. **NOTE: Align with (2) M6 threaded holes in shock tower, not holes without threads.**



- Install supplied M6 bolt & M6 washer, through hole in fuel line bracket, install bolt and bracket through remaining hole in PERRIN Master Cylinder Support Bracket. **NOTE: Make sure and line up small tab with hole in PERRIN Master Cylinder Support Bracket, as this keeps the bracket aligned properly for next step.**
- Tighten both M6 bolts to 12-14 ft-lbs.
- Snap plastic fuel line holder into bracket



- Using supplied M6 wrench, tighten set screw into master cylinder until it touches. From this point, turn set screw roughly  $\frac{1}{2}$  to 1 full turn to preload some tension on part. Lock nut to body of Master Cylinder Support using 19mm wrench. **NOTE: Its common to see master cylinder move slightly left or right while tensioning.**
- After 5-7 days of driving, recheck hardware for tightness.