



# Transmission Crossmember Bushings

## For 2002-2007 WRX/STI

2025-04-14

PSP-DRV-140

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@PERRIN.com](mailto:Tech@PERRIN.com)

Instant Chat off the main page of [www.PERRIN.com](http://www.PERRIN.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.



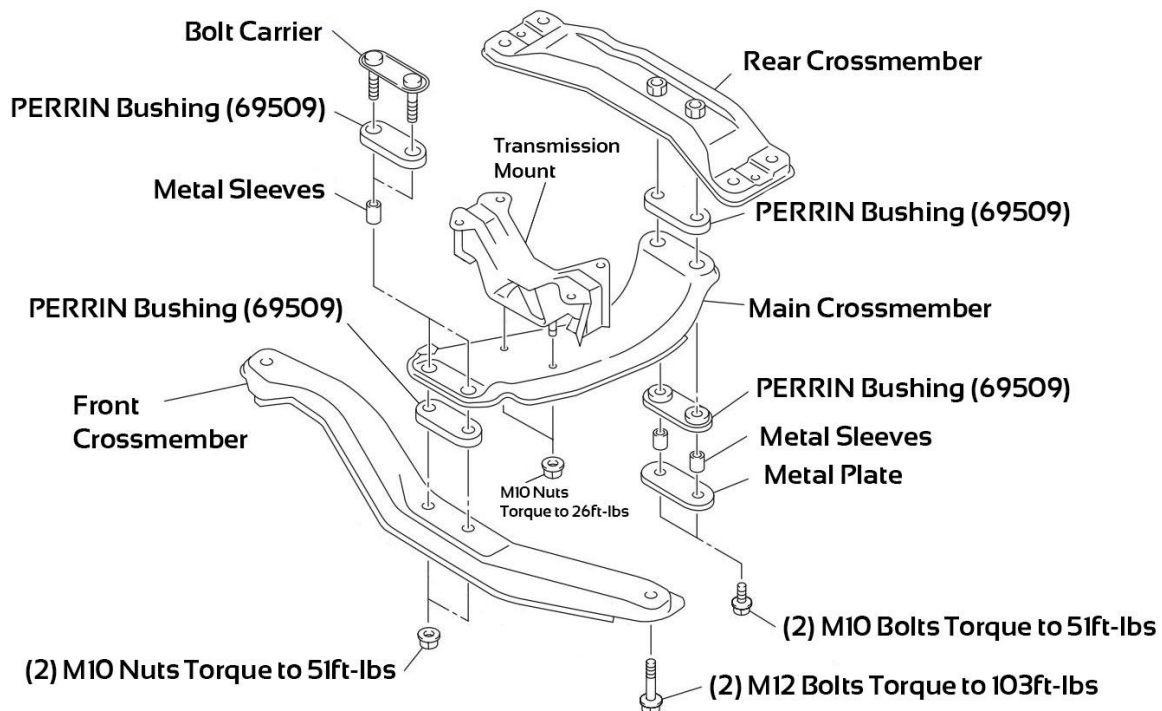
**WARNING:** This product can expose you to chemicals including Lead which is known to the State of California to cause cancer birth defects or other reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

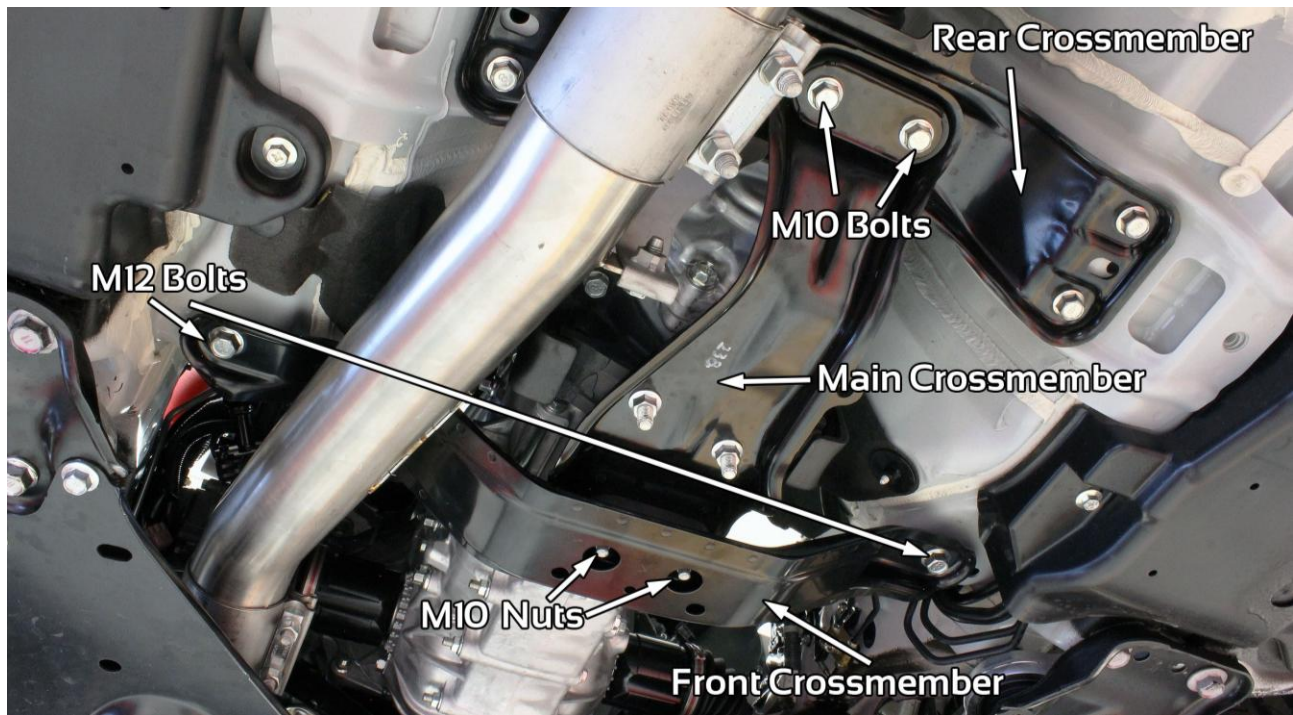
### Special Notes:

- If aftermarket transmission mount is installed, you may need to loosen the bolts securing it to the main crossmember as there is not enough flex in the mount to allow bushings to be installed easily. If this is the case, follow required torque specs during the final installation.
- If an aftermarket exhaust is installed, you may need to loosen or remove a portion of the exhaust system to gain access to transmission crossmember bolts.

### Parts Included with the PERRIN Transmission Crossmember Bushings:

4	X-PSP-DRV-140-1	Transmission Crossmember Bushing Male Medium 69509
4	X-PSP-DRV-140-2	Transmission Crossmember Sleeve
1	X-BLT-GRS-209	Grease for Polyurethane Bushings Packet

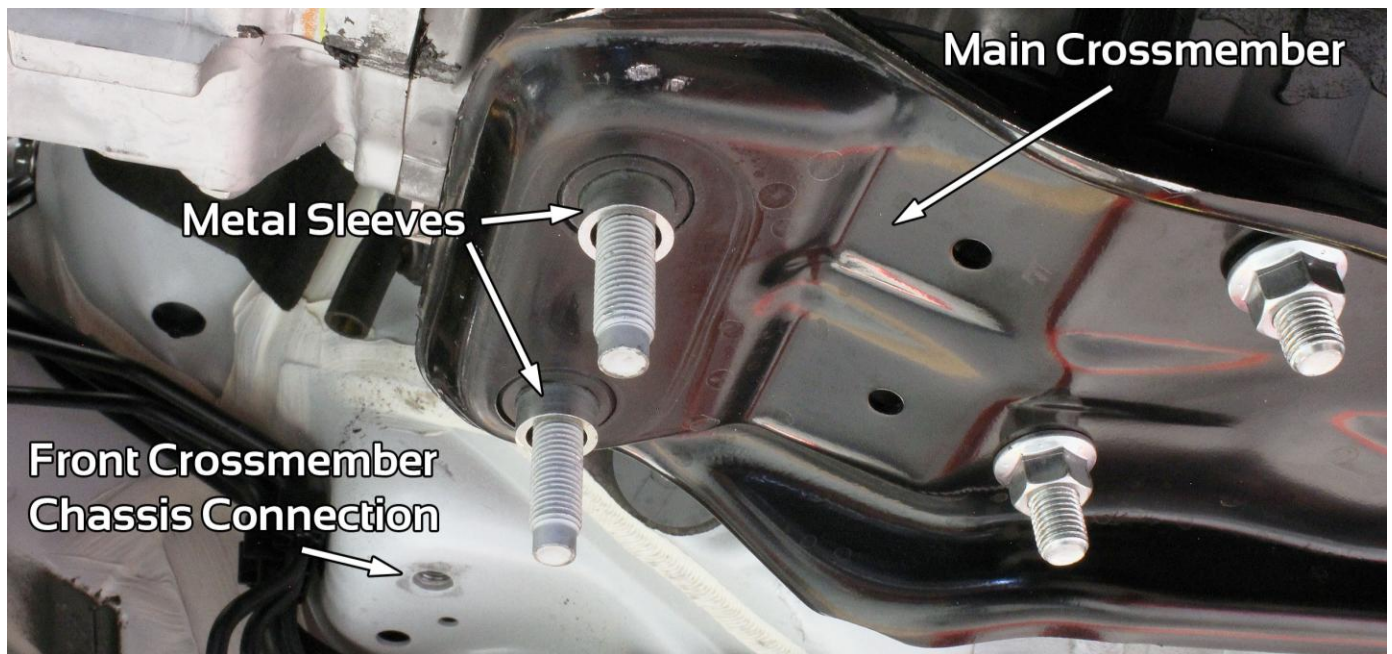




2022 WRX shown above, other models will vary slightly but have all the same components.

## Installation of PERRIN Transmission Crossmember Bushings

1. Raise vehicle off ground using vehicle hoist or proper jack and jack stands. Never support vehicle with jack as death or injury may occur.
2. Using picture above, locate transmission crossmembers (front section and main section) then remove (2) bolts securing front section to chassis. **NOTE: As these are removed the transmission will drop down slightly. While it is not required for the removal of these bushings, you can place a jack under the transmission to help support it and slowly let the transmission down.**
3. Locate and remove (2) nuts securing front transmission crossmember to main transmission crossmember. As these are removed, be prepared to catch crossmember (or let it hang in place during the next few steps). Take note of the rubber bushings and metal sleeves above and below the crossmember main section. These will be replaced with the PERRIN Bushings and sleeves in the next steps.

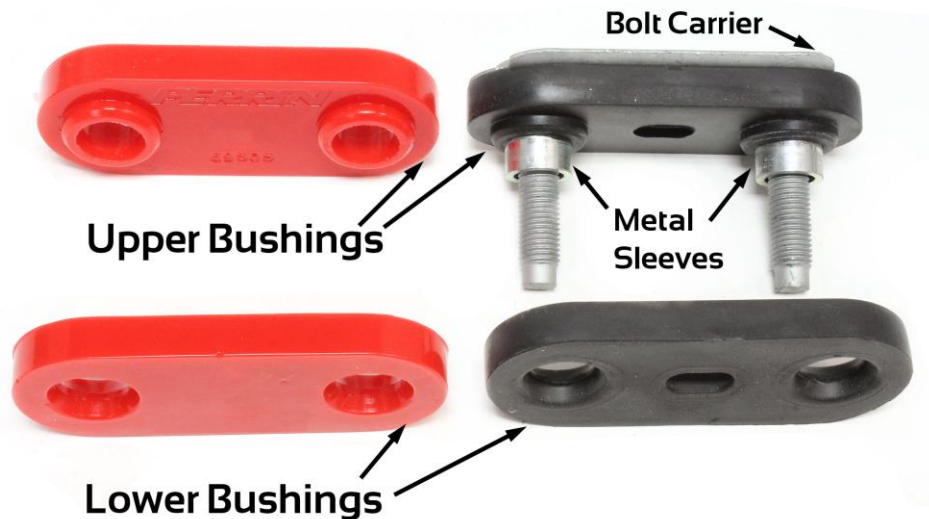


Picture above shown with front crossmember, and lower rubber bushing removed.

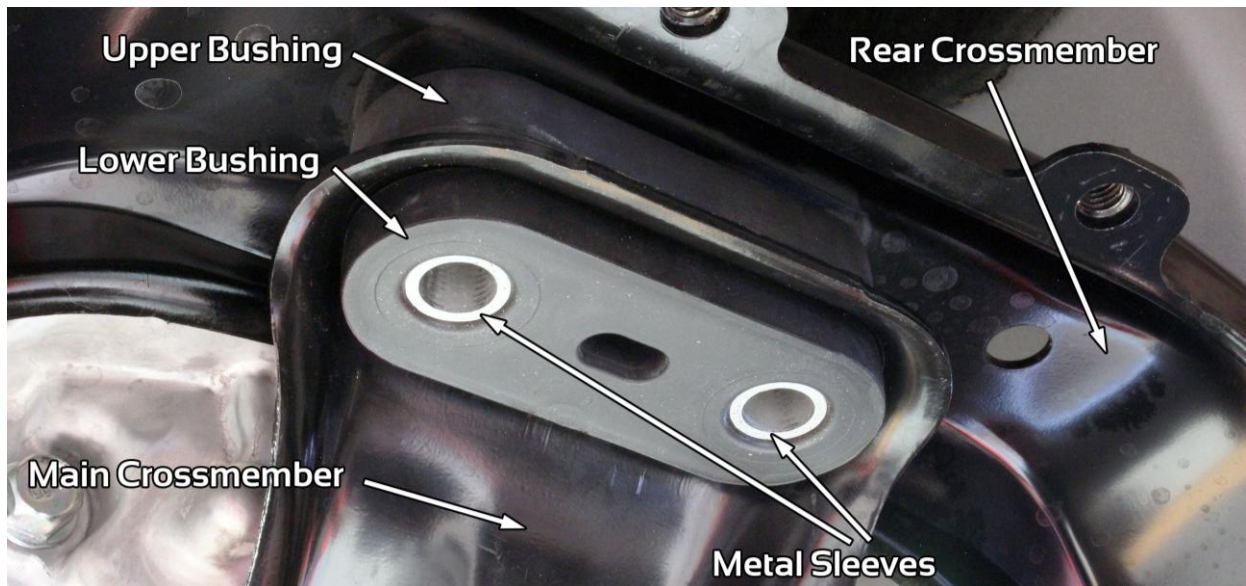
4. Remove lower rubber bushing and sleeves, then remove upper rubber bushing and bolt carrier. **NOTE: You will need to pull the main crossmember down slightly to get bolt carrier out of the holes in the crossmember.**
5. Apply a small amount of grease to both sides of supplied PERRIN Bushing (69509), then remove the rubber bushing from the bolt carrier and place PERRIN Bushing in its place making sure that the PERRIN Logo is facing away from the bolt carrier. **NOTE: Diagram at the beginning of the instructions shows all bushing locations with part numbers to help with installation.**



## Front Crossmember Bushings/Hardware



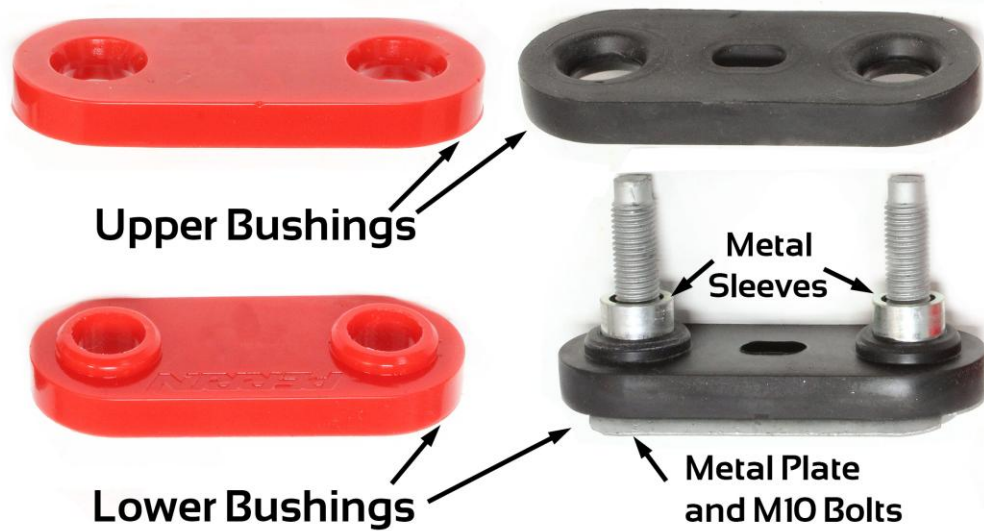
6. Reinstall bolt carrier with PERRIN Bushing back into the crossmember, then apply a small amount of grease to the supplied metal sleeves then install metal sleeves into bushings.
7. Apply a small amount of grease to both sides of another PERRIN Bushing then install it below main crossmember making sure that the PERRIN logo faces up. Then reinstall front crossmember and secure with (2) nuts removed in previous steps. **NOTE: Leave these nuts loose at this time.**
8. While pushing up on transmission (using a jack is easiest) install (2) bolts removed previously to secure front crossmember to chassis. **NOTE: Leave bolts loose at this time.**
9. Locate and remove (2) bolts at the rear of the main crossmember. Take note of the orientation of the bolts, flat plate, and rubber bushing as the bolts are removed. **NOTE: As these are removed the transmission will drop down slightly. While it is not required for the removal of these bushings, you can place a jack under the transmission to help support it and slowly let the transmission down.**



Picture above shows metal plate and M10 bolts removed from main crossmember.

10. Removed the lower bushing, (2) metal sleeves as well as upper bushing from crossmember. Take note of the orientation of male parts of the rubber bushing and how they face together.
11. Apply grease to both sides of another PERRIN Bushing and place bushing above main crossmember the same way the OEM rubber bushing was installed, making sure to place PERRIN logo facing the main crossmember. **NOTE: Diagram at the beginning of the instructions shows all bushing locations with part numbers to help with installation.**
12. Apply grease to remaining supplied sleeves and both sides of remaining PERRIN Bushing, then install bushing onto the metal plate (PERRIN logo facing away from metal plate), then place both metal sleeves inside of bushing.

## Rear Crossmember Bushings/Hardware



13. Install plate with bushings and hardware onto the main subframe and secure with (2) bolts removed in previous steps.
14. Now, do the final tightening of bolts and nuts using the diagram in the beginning of the instructions. Front crossmember M12 bolts get torqued to 103ft-lbs, front crossmember nuts get torqued to 51ft-lbs, and rear crossmember bolts get torqued to 51ft-lbs.

Questions, Comments and Suggestions Contact: [Tech@PERRIN.com](mailto:Tech@PERRIN.com)

Visit Our Website for Instant Chat Options at [www.PERRIN.com](http://www.PERRIN.com)

Call Our Tech Team at 503-693-1702