

PERRIN

2022+ BRZ/GR86 Water Pump Pulley

2022-06-21

PSP-ENG-113

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

Instant Chat off the main page of www.PERRIN.com

Or simply call our tech team at 503-693-1702

GENERAL MODIFICATION NOTE

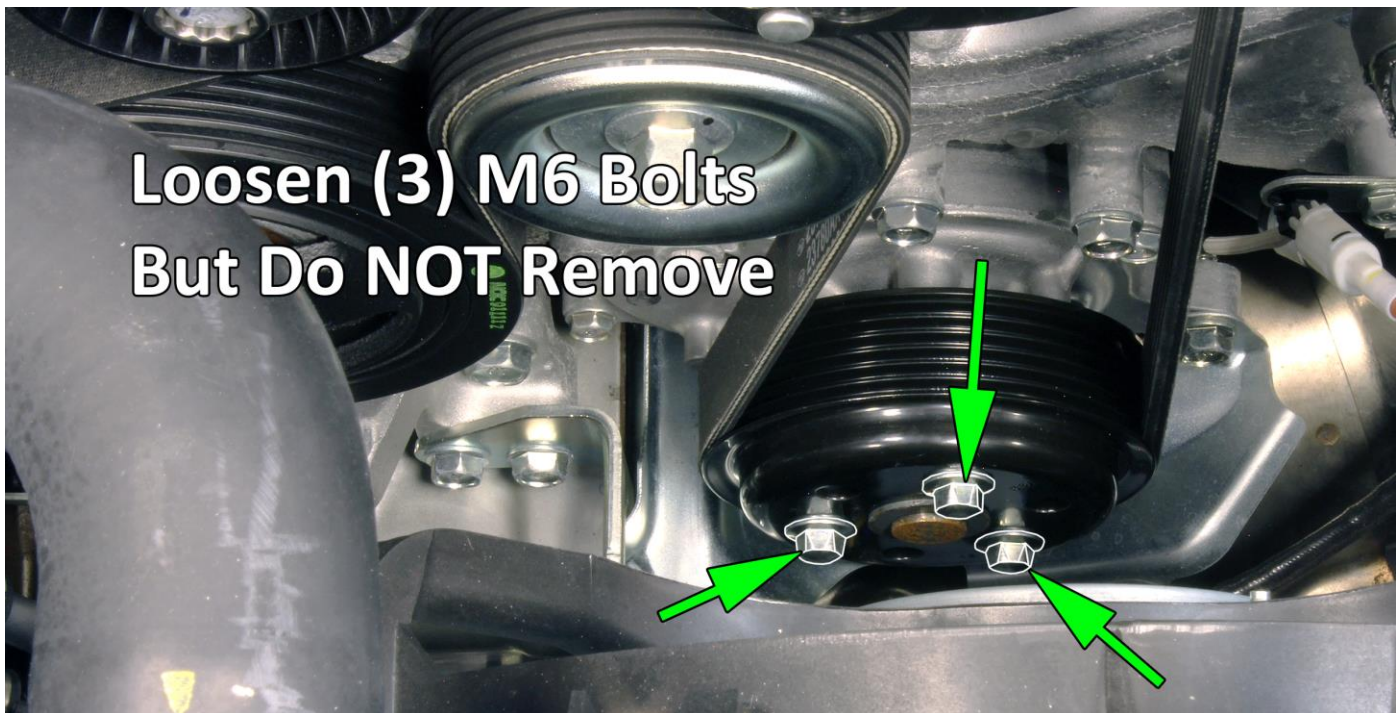
Modifications to any vehicle can change the handling and performance. As with any vehicle extreme care must be used to prevent loss of control or roll-over during sharp turns or abrupt maneuvers. Always wear seat belts, and drive safely, recognizing that reduced speeds and specialized driving techniques 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.

Parts Included with the PERRIN Lightweight Water Pump Pulley:

- (1) PERRIN Water Pump Pulley

Removal Instructions:

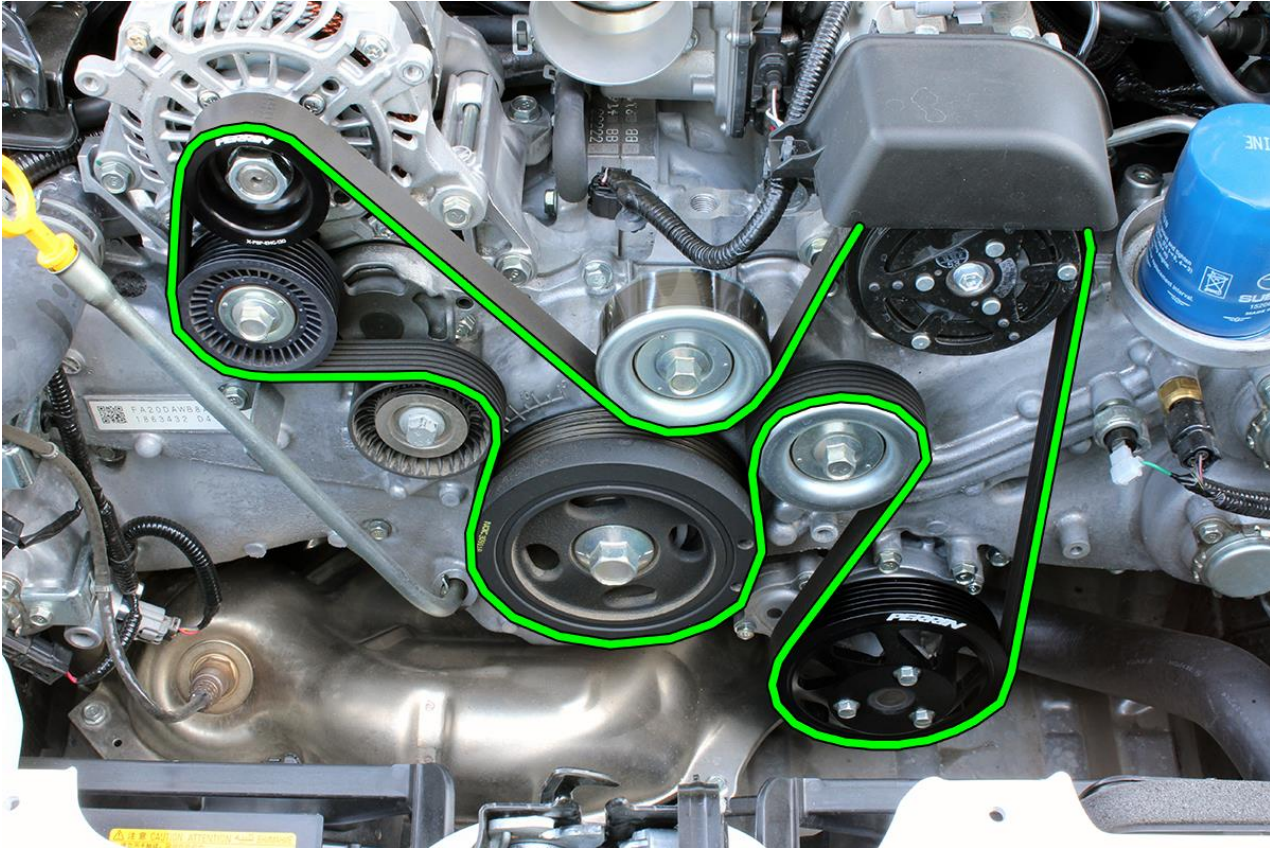
1. Remove Intake system from engine bay to provide better accessibility to water pump pulley. This step will vary greatly depending on intake system installed. To remove OEM intake system:
 - a. Remove (3) 10mm bolts holding air box to chassis.
 - b. Loosen clamp securing air box to rubber intake hose.
 - c. Unplug MAF sensor and unclip harness from airbox. **Note: Do not turn car on with this unplugged.**
 - d. Carefully pull air box out of engine bay and set aside.
2. Locate and loosen (3) M6 bolts securing OEM water pump pulley to engine. **NOTE: Do not remove the bolts, just loosen them!**



3. Install a 14mm wrench onto the automatic belt tensioner and rotate enough to remove serpentine belt from water pump pulley.
4. Remove all (3) bolts and water pump pulley from engine.

Installation

1. Install PERRIN water pump pulley over water pump and secure with M6 bolts removed earlier. Tighten bolts hand tight.
2. Reinstall serpentine belt onto pulleys except center pulley (pulley with auto tensioner on it). Using 14mm wrench, rotate tensioner enough to slide belt over pulley and relieve tension on automatic tensioner and slip belt over pulley.
3. Tighten (3) 10mm bolts on water pump pulley to 10.3ft-lbs of torque.
4. Reinstall intake system in reverse order that it was removed.
5. Start engine and make sure belt is riding completely on all pulleys, and check that all pulleys are running true and not wobbling.
6. If no problems are found, take car for test drive, then recheck bolts on water pump pulley for being tight.



Questions, Comments and Suggestions Contact: Tech@PERRIN.com
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