

PERRIN

Alternator Pulley for 15+ WRX and Subaru's w/Clutched Alternator Pulley

2021-06-29

PSP-ENG-121

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



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

SPECIAL NOTES:

- This part requires a ½" Drive 16mm Hex key and an impact gun to be removed and a 24mm socket to be installed. These are not standard tools found in toolboxes, so make sure you have these before starting the install.
- When removing pulley or tightening nut, DO NOT try to hold alternator from turning by placing a tool through the insides. This will cause internal damage to alternator.
- Some vehicles will not be able to access the alternator pulley with an impact gun due to how low it sits in the engine bay. These vehicles will require removal of the alternator to install the PERRIN Alternator pulley. This step can vary as some engines do not have engine covers but rather a belt cover. Please follow the factory service manual to remove alternator, then skip to step (4) in the removal section below.

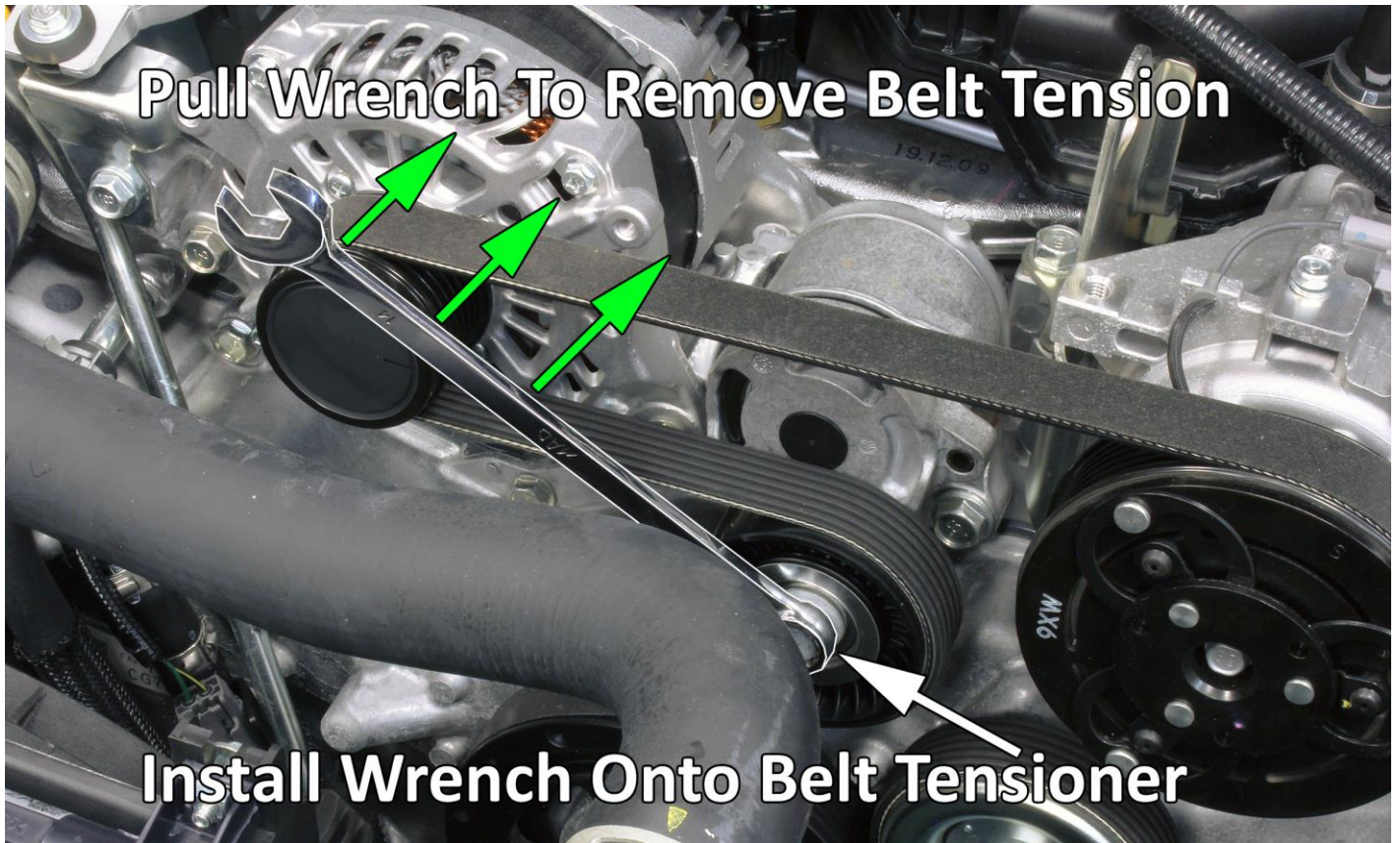
Parts Included with the PERRIN Alternator Pulley:

- (1) Alternator Pulley
- (1) M17 Nut



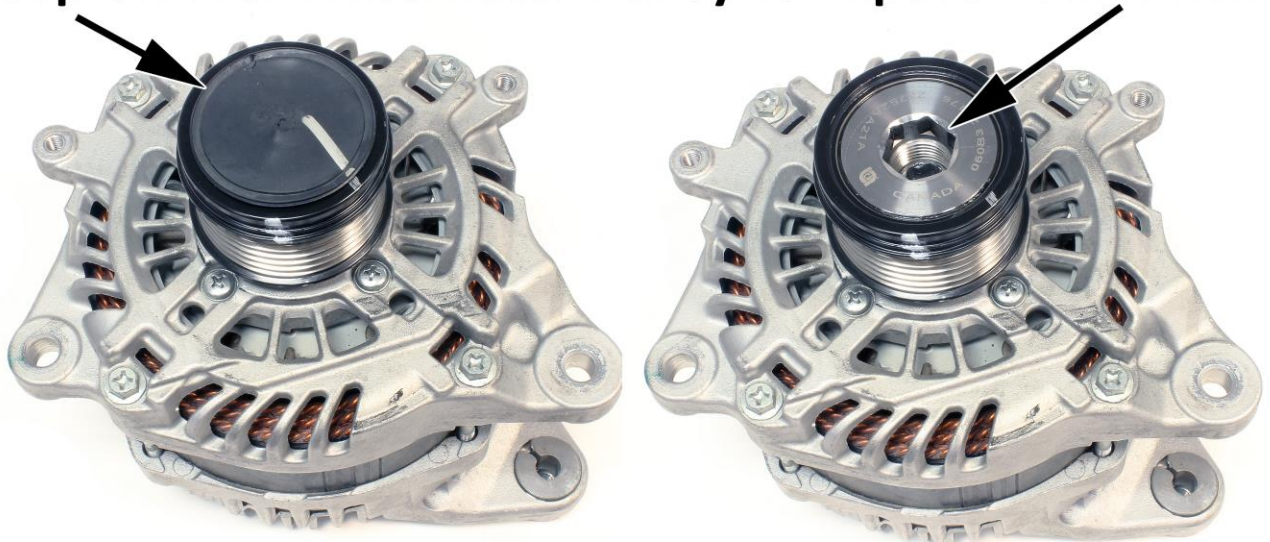
Removal Instructions:

1. Remove engine cover from engine bay by removing (2) plastic connectors at the rear and lifting up on the front of it. **NOTE: Take time lifting up on the front of the cover as the OEM plastic nipples can easily break off of cover.**
2. Remove intake scoop from engine bay by removing (2) plastic fasteners from front of it and lift out of air box.
3. Install a 14mm wrench onto the automatic belt tensioner and rotate enough to remove serpentine belt from alternator pulley.



4. Remove plastic cap from alternator pulley to expose hex drive, located in center of pulley.

Pry Cap Off From Alternator Pulley To Expose 16mm Hex

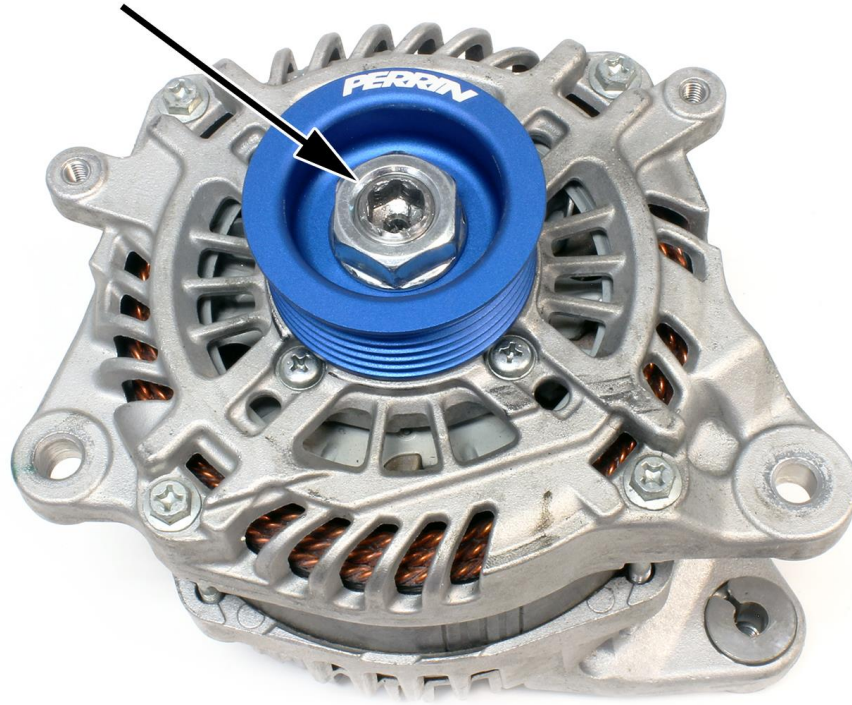


1. Using the 16mm hex key and impact gun, unscrew (standard counterclockwise direction) pulley from alternator. **NOTE: This may take several short bursts to free pulley from alternator. DO NOT install something through the insides of the alternator while trying to remove pulley.**
2. Clean any corrosion and or thread locking compound from shaft and threads.

Installation Instructions:

1. Slide PERRIN Pulley onto alternator shaft until it stops, then thread nut down by hand. **NOTE: The pulley a precise fit onto the shaft. Take time in aligning pulley with shaft before pushing it on.**

Install M17 Nut



2. Install a 14mm wrench on the automatic belt tensioner and rotate enough to re-install serpentine belt around alternator pulley. **NOTE: Make sure that belt is lined up into each groove on all the pulleys before proceeding.**
3. Using a 24mm socket, tighten nut on pulley using short bursts from the impact gun until you see the nut stop spinning. One last time, impact nut onto pulley for roughly 1 second and this will be tight enough to secure pulley to alternator.
4. Start engine and double check belt is running true and not making any squealing noises.
5. Turn off engine and reinstall engine cover and intake scoop.

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

Visit Our Website for Instant Chat Options at www.PERRIN.com

Call Our Tech Team at 503-693-1702