

PERRIN

Engine Cover Lockdown for 2015+ WRX

2015-09-10

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@PERRINperformance.com

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

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

SPECIAL NOTES:

- This part is designed to be installed when the plastic nipples have broken off when removing engine cover from engine bay. If your engine cover is in working order, installing this part will require both nipples to be removed/broken off.
- Take time when marking the necessary holes to mount bracket. Use supplied dimensions and diagrams to double check that holes will be in the correct locations.

Included Parts with PERRIN Engine Cover Lockdown:

- (1) PERRIN Engine/Belt Cover Bracket
- (2) PERRIN Billet Washers
- (2) M8x20 Flat Head Socket Cap Screws
- (2) M8x16 Button Head Socket Cap Screws
- (2) M8 Nuts
- (4) M8 Fender Washers
- (1) M5 Hex Key
- (1) Thread Locker Compound

Installation Instructions

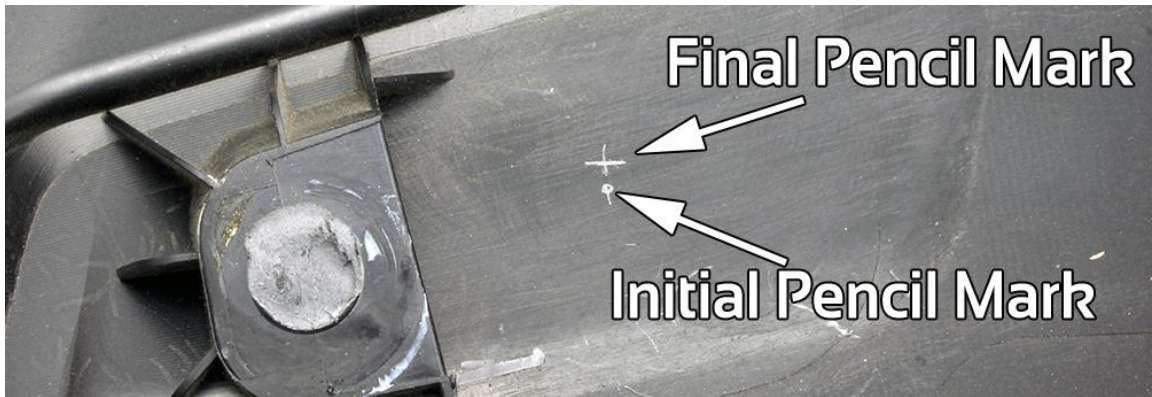
1. Remove engine cover from engine by removing (2) plastic pop-it type fasteners at rear and pulling straight up on front.
2. Locate and remove (2) rubber grommets left behind where front of engine cover snapped into OEM bracket.



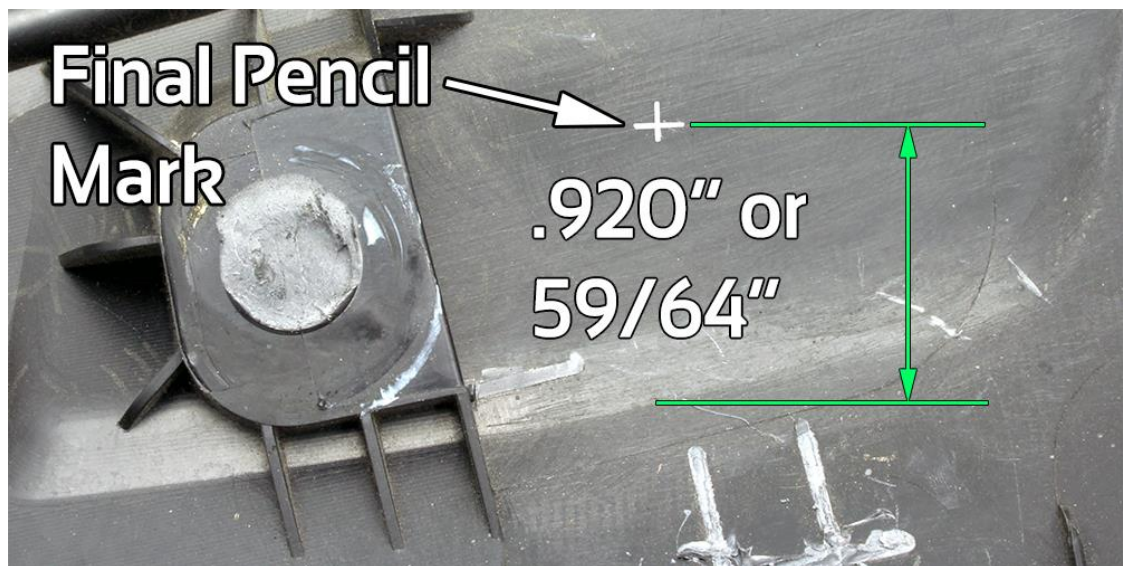
3. Flip engine cover over and remove ribs as shown in picture below. This can be done using an X-Acto knife or flat ended plyers by twisting each rib back and forth.
4. If plastic nipples are still attached to plastic engine cover, use large plyers and twist and bend until they break off. **NOTE: You can remove the entire nipple and mounting boss all way down to cover and leave nothing behind if you desire.**



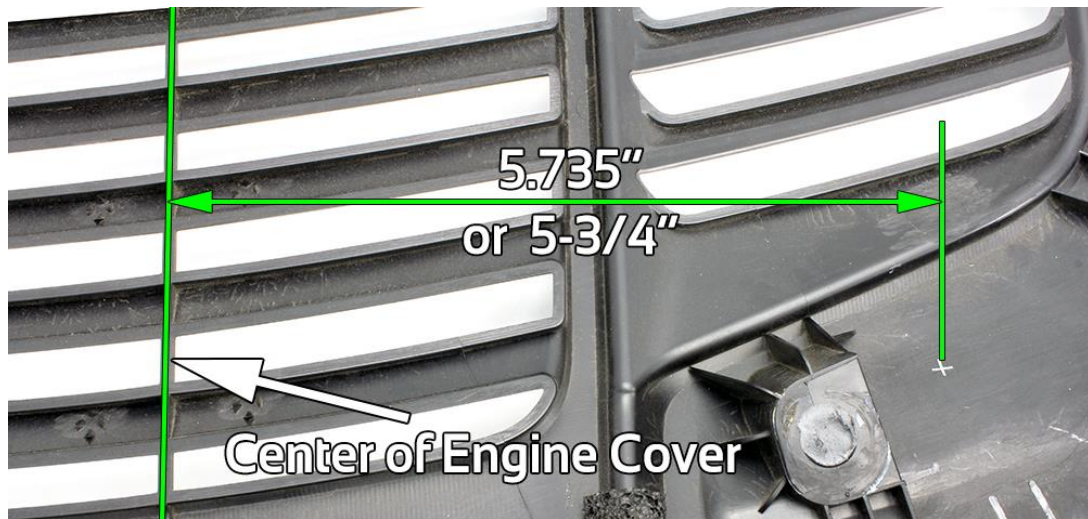
5. Cut out template (located at bottom of instructions) and place over top side of engine cover within each pocket. Mark the center of each hole using a pencil then skip to step 8. If you do not have a hard copy of these instructions or can't print them, please continue with steps below.
6. Set supplied bracket over holes where nipples were. Use small notch on bracket and line up with center rib on engine cover. Place a pencil through both M8 threaded holes and mark both centers on engine cover.



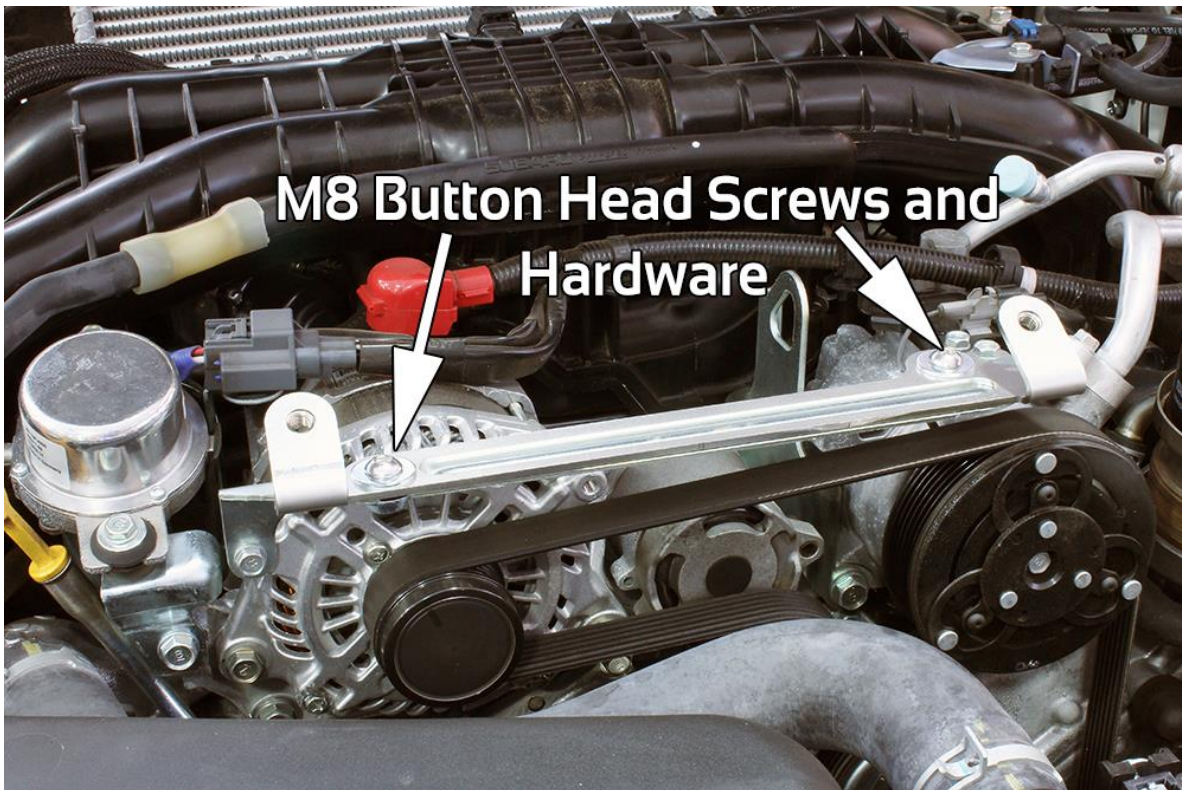
7. Remove bracket and locate pencil marks. Using diagrams below, measure $.920''$ or $59/64''$ from edge of feature up toward pencil mark and make another small mark on both sides. Erase original marks made in step 5. Double check that mark is $5.735''$ (or $5\ 3/4''$) from center rib on cover and that it looks relatively centered top to bottom in pocket.



The location from which you should measure from is where pocket dips back down to flat area. See picture above.



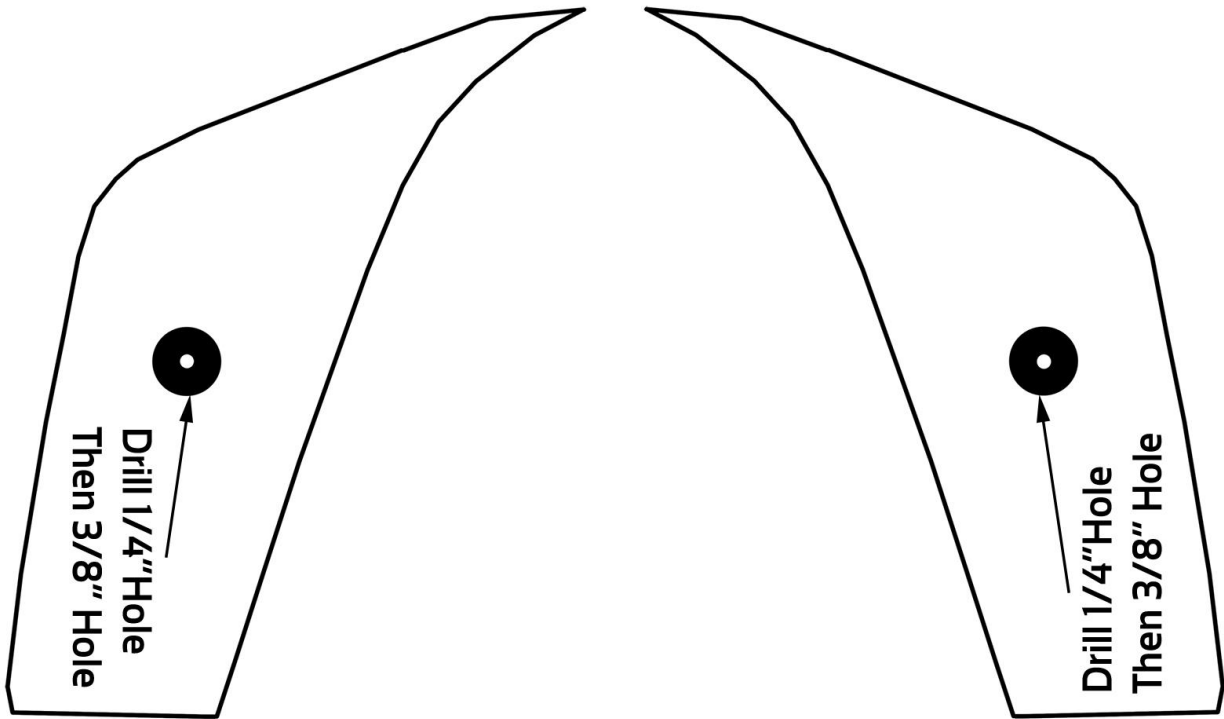
8. Install supplied bracket over top of OEM engine cover bracket. Apply a small amount of thread locker to M8 button head screws. Use supplied M8 button head screws, M8 fender washers, and nuts to secure supplied bracket to OEM bracket. Tighten bolts to roughly 16ft-lbs. **NOTE: Line bracket up with OEM bracket as best as possible before tightening hardware. Further adjustment can be made in later steps to account for variances in parts and holes drilled.**



9. Start with a small 1/4" drill bit and drill hole through plastic cover where it was marked in steps above. Set cover on engine and install (2) plastic fasteners through rear portion of cover. Make sure 1/4" holes line up with threaded holes in bracket. **NOTE: Simply make sure you can't see metal underneath each hole as this indicates the hole is drilled in approximate location to hole on bracket.**
10. Remove cover and enlarge 1/4" drilled holes to a 3/8" using a drill bit. **NOTE: A stepped drill bit is a great tool for this job as it will contain all necessary sizes as well provide a deburring edge to clean up holes.**
11. Reinstall cover (securing back portion with plastic fasteners) to engine one more time and double check that holes drilled line up with threaded holes in brackets.
12. If holes line up perfectly, continue on to next step. If they do not line up, decide if enlarging holes or adjusting supplied bracket on engine is the next best step. We do not recommend enlarging holes beyond 1/2" if possible. If holes do not line up after drilling the 1/2" holes, adjust bracket and/or carve away plastic toward each hole until they line up.
13. Install PERRIN Billet washers and flat head bolts through holes in cover. Tighten bolts to 10ft-lbs.
14. After a week of driving check that all hardware is still tight.



Questions, Comments, and Suggestions Contact: Tech@PERRINperformance.com
Visit Our Website for Instant Chat Options at www.PERRINperformance.com
Call Our Tech Team at 503-693-1702



For best results, cut template on inside of black line using an X-acto knife

**MAKE SURE AND PRINT INSTRUCTIONS TO "ACTUAL SIZE" OR "100% SCALE" TO ENSURE ABOVE
TEMPLATE IS ACCURATELY SIZED.**