

PERRIN

STI Engine/Boost Solenoid Cover

2024-11-06

PSP-ENG-161

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



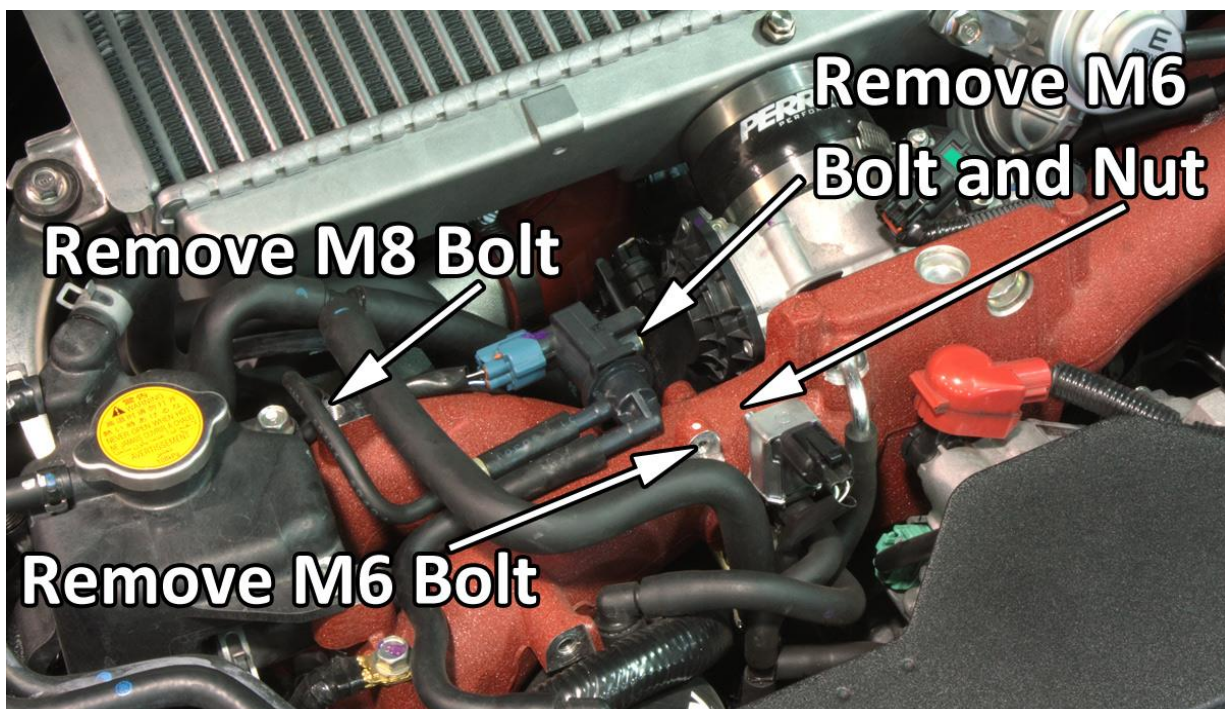
WARNING: This product can expose you to chemicals including Lead which is known to the State of California to cause cancer birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov

Parts Included with PERRIN Engine/Boost Solenoid Cover:

- (1) PERRIN Aluminum Engine Cover
- (1) M8x16mm Button Head SS Screw
- (2) M6x10mm Button Head SS screw
- (1) M8 SS Washer
- (2) M6 SS Washer

INSTALLATION

- 1) Locate OEM engine cover and remove (1) M8 bolt on right side under crank case vents, and (1) M6 bolt on front side of intake manifold. With cover loose, remove (1) M6 nut holding EVAP solenoid to front, and (1) M6 bolt holding boost control solenoid from left side.
- 2) Remove hoses from plastic holders on OEM engine cover and then remove from engine. **NOTE: The rear most hose clips on 2018+ vehicles will NOT be reused.**



- 3) Remove upper plastic crank case hose holder from OEM engine cover using pliers to pinch backside to free up.

- 4) Install plastic hose holder into rectangle hole on right side of PERRIN Engine cover. **NOTE: Make sure and put smaller hose connection toward outside of vehicle.**
- 5) Set PERRIN engine cover on engine.
 - a. If installing OEM boost control solenoid, use supplied M6x10mm screw and washer, and secure solenoid to PERRIN cover on left side, where it was installed on the OEM cover.
 - b. If installing PERRIN EBCS Pro, use hardware that came with the EBCS Pro, and install to right side of PERRIN cover. There are two sets of holes to cover old and new models of this part. Follow instructions that came with EBCS Pro to install vacuum hoses.
 - c. If installing with other universal EBCS's, take note of two small dimples on top. These may line up with the mounting holes in your EBCS. If this is the case, simply drill them out and mount EBCS to these holes.
- 6) Using M6 nut removed earlier, install EVAP solenoid to front of PERRIN cover.
- 7) Line up front hole on PERRIN cover with threaded hole on intake manifold. Secure PERRIN cover to intake manifold using supplied M6 screw and washer. Tighten bolt to roughly 6ft-lbs.
- 8) Install supplied M8 bolt through hole on right side of PERRIN cover and intake manifold. Tighten bolt to roughly 10ft-lbs.
- 9) Install crank case vent hoses to clip on right side. **NOTE: 2018+ cars will NOT clip in rear most crank case vent hoses to anything. These will rest next to the intake manifold.**



Installation shown with PERRIN EBCS Pro installed in place of OEM boost solenoid.

- 10) Start engine and check for any check engine lights. If check engine lights are found, recheck all connections to ensure none came apart during installation.
- 11) Recheck hardware for tightness after a week of driving to ensure part has not come loose.

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