

714750 - Subaru 3-Port Boost Control Solenoid (BCS)

COBB[®]

714750

COBB TUNING SUBARU 3-port Boost Control Solenoid (BCS)

2015 - 2019 Subaru WRX



Congratulations on your purchase of the COBB Subaru 3-Port Boost Control Solenoid! The following instructions will assist you through your

installation process. Please read them first BEFORE beginning the install and familiarize yourself with the steps and tools needed. If you feel that you cannot properly perform this installation, we HIGHLY recommend you take the vehicle to a qualified and experienced automotive technician.

Part List

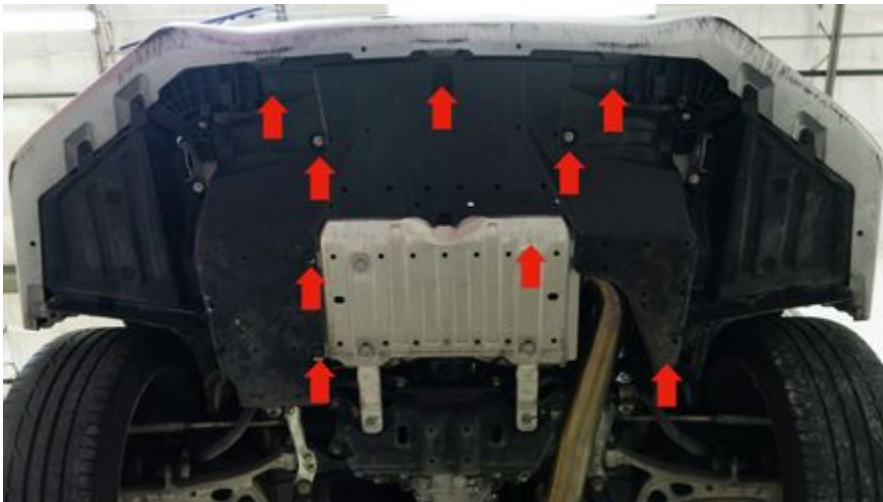
- COBB 3-Port Boost Control Solenoid
- (6) Zip Ties
- (1) Allen Key 2.5mm
- (2) 18mm Phillips Head Screw
- (2) 3mm x 20mm Socket Head Cap Screws
- 1/8th" NPT x 1/4" 90 Degree Fitting
- COBB EBCS Bracket
- 2' 6mm Vacuum Hose
- Loctite

Tools Needed

- 3mm Hex Key
- 10mm 3/8" socket
- 12mm 3/8" socket
- 3/8" Ratchet
- Extension
- Panel Popper or Flat Head Screwdriver
- Phillips Head Screwdriver
- Needlenose Pliers
- 7/16" Open End Wrench

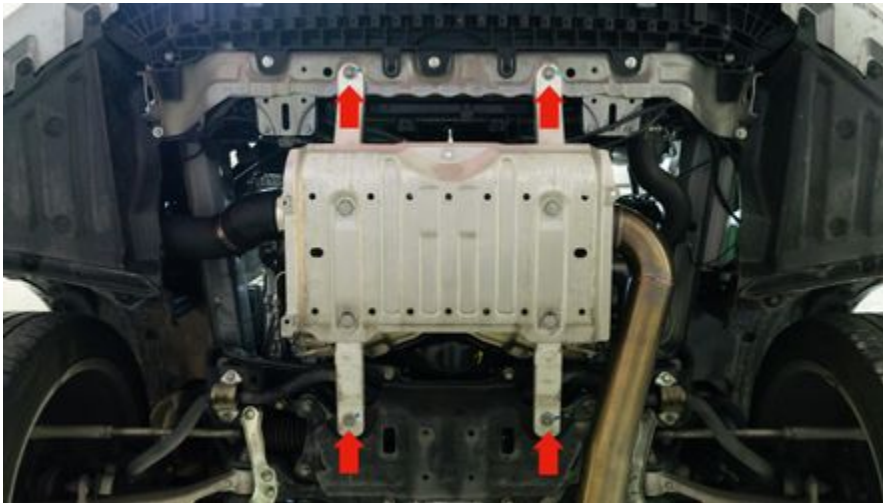
Removing OEM Boost Control Solenoid

1. Remove the undertray using a 12mm socket for the bolts and a flathead screwdriver for the plastic retaining clips. Please note that there are (2) additional plastic retaining clips within each wheel well that need to be released to allow the undertray to be removed.





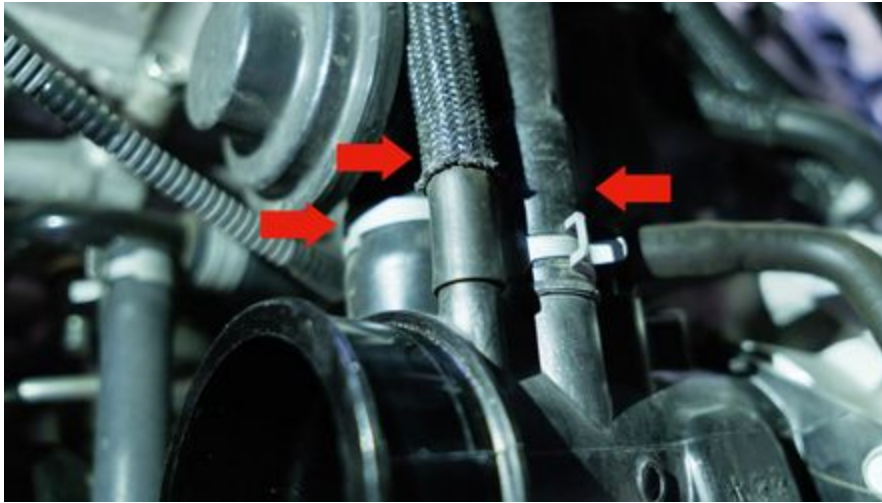
2. Remove the(4) 12mm bolts holding the skid plate on.



3. Loosen the (2) hose clamps for the intake silicone using an 8mm socket or flathead screwdriver



4. Remove (3) hoses connecting to the turbo inlet using needlenose pliers
a. crankcase vent
b. BPV
c. intake manifold



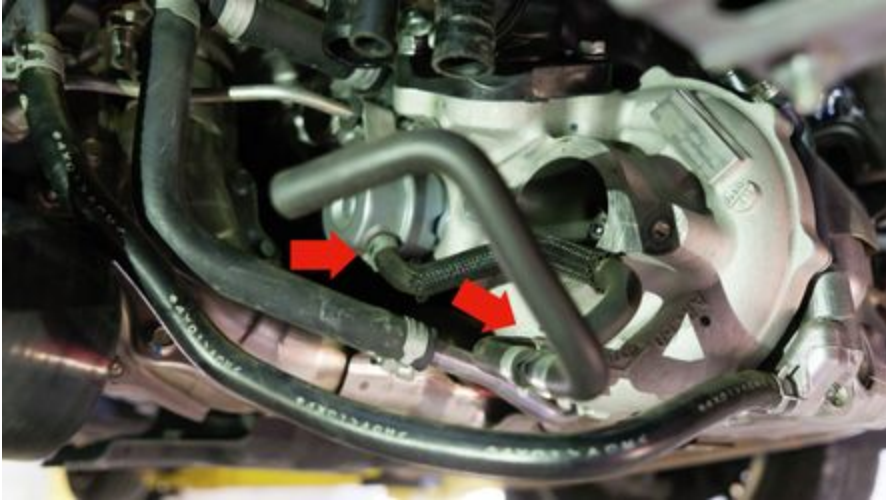
5. Remove (2) 10mm bolts on turbo inlet using socket and extension



6. With turbo inlet loose, disconnect harness and vacuum line for OEM EBCS along with the two screws retaining the OEM EBCS.



7. Remove the OEM vacuum hoses connecting to the wastegate and turbo nipple

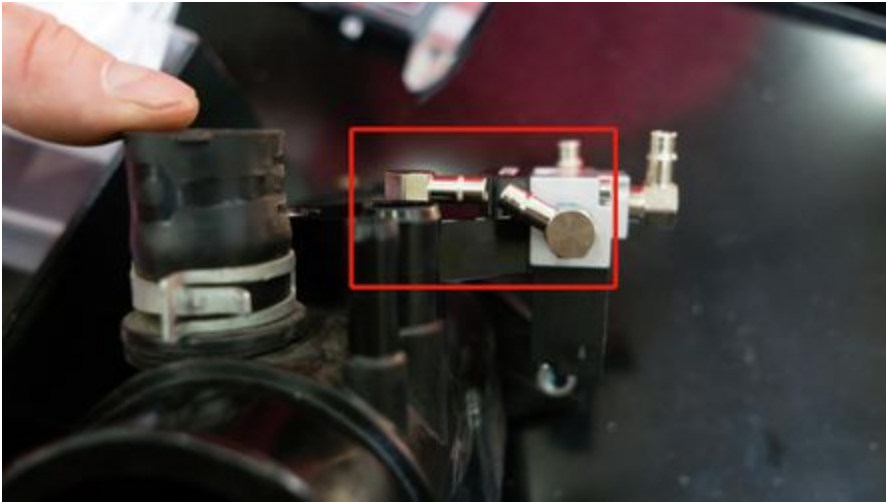


Installing COBB 3-Port EBCS

1. Install the COBB bracket on the turbo inlet and secure it by reusing the (2) Phillips head screws



2. Using a small amount of Loctite on the 90 degree NPT threads, loosely install the 90 degree nipple on the COBB EBCS until it's clocked or oriented correctly. Attach the COBB EBCS to the COBB bracket to verify nipple orientation



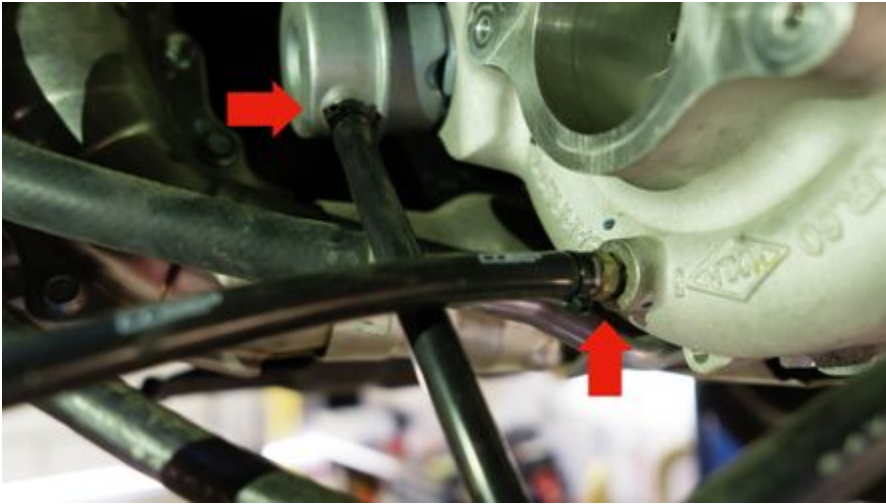
3. Cut a 1 1/8" peice of vacuum hose to connect the two nipples



4. Secure the COBB EBCS to the COBB bracket with the (2) socket head cap screws and Allen key
 - a. NOTE: You may need to adjust the orientation of Ports 3 and 2 for a cleaner install using a 7/16" open end wrench



5. Cut an 8" length section of vacuum hose to run from Port 3 to the turbo nipple
6. Connect the vacuum hose to the turbo nipple and zip tie the connection
7. Cut an 9 1/2" length section of vacuum hose to run from Port 2 to the wastegate
8. Connect the vacuum hose to the wastegate nipple and zip tie the connection



9. Reinstall the turbo inlet and connect the vacuum hoses to the corresponding ports on the EBCS. You will want to torque the turbo inlet bolts to 4.7 ft/lbs.
 - a. NOTE: Route the electrical harness underneath the vacuum lines



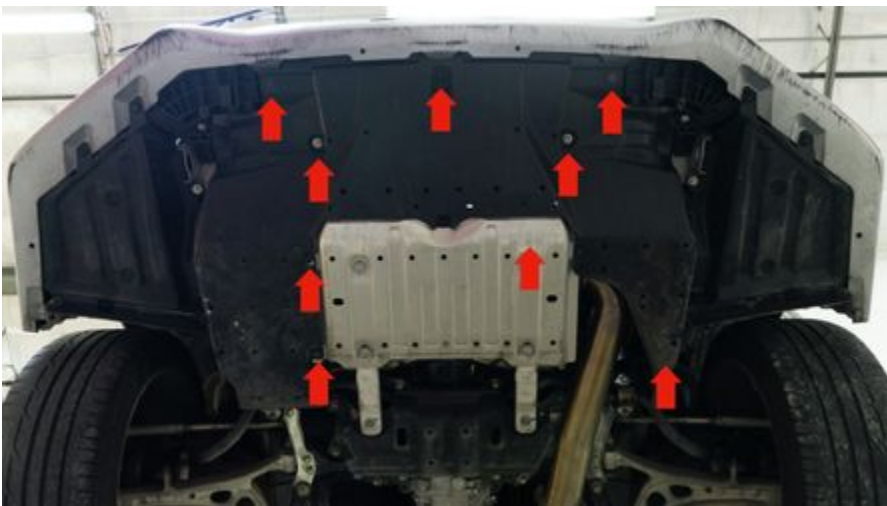
10. Reconnect the intake silicone to the turbo inlet and tighten down the clamps



11. Reinstall the skid plate



12. Reinstall the undertray



Links

Subaru Installation Instructions

Main Installation Instruction Repository for Subaru Parts

SUBARU CALIBRATION SUPPORT

Link to Subaru Map Notes to see what map you should be on given the parts you've added

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Web Support and Tech Articles: **COBB Tuning Customer Support Center**

Email: **support@cobbtuning.com**

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