

# PERRIN

## PERFORMANCE

### SUBARU Coolant Overflow Tank

Thank you for purchasing the PERRIN Coolant Overflow Tank. Persons experienced in the installation and proper operation of Subaru engines and cooling systems should only perform installation of this part. Please read through all the instructions before performing the installation.

**WARNING: This part is designed, manufactured, and sold solely for use on off-road and racing vehicles not controlled by federal and or local emissions laws. It is not intended for use on vehicles that operate on public streets and highways. Use of this part on emissions controlled vehicles may be in violation of federal or local law! ASMC, LTD. is not responsible for any damages as a result of misuse of this part. Check your local laws prior to use or installation.**

#### **IMPORTANT NOTICES!**

- There are many ways to install this part into the car. Please use the suggestions we have provided for your particular car. Almost every method of installation can be use in your application, but our suggestions are based of the future purchase of a PERRIN Front Mounted Intercooler.
- After installation, make sure to fill the coolant tank with roughly halfway with water or coolant.

#### **Parts Included with the PERRIN Coolant Overflow Tank:**

- (1) PERRIN Coolant Overflow Tank
- (1) "C" SS bracket
- (1) 90 degree SS bracket
- (1) Flat 3 hole SS bracket
- (1) 5/16" Tee
- (1) M8x10mm hex head bolt
- (1) M8 Flat washer
- (1) M6x20mm Hex head bolt
- (1) M6 Flat Washer
- (3ft) 5/16" Silicone hose
- (1) 5/16" Vacuum cap
- (5) 8" Zipties

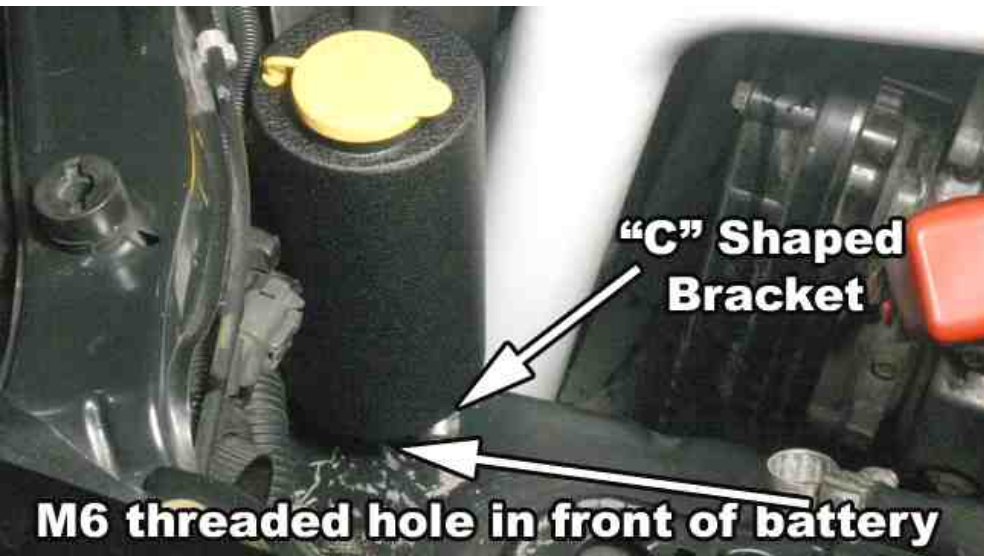
#### **Installation for 02-05 WRX/Impreza/STI**

1. Remove OEM coolant overflow tank by removing (2) 10mm bolts from top side where it connects to the radiator. NOTE:Take care in not spilling any coolant as this will be reused after PERRIN Coolant Overflow Tank is installed.
2. Using 10mm wrenches, disconnect battery terminals and battery hold down bracket. Remove battery from car, as this will help with installation of Tank. When removing battery make sure to not touch anything metal across terminals as this will result in large sparks and potentially fire!
3. The recommended location for the PERRIN Coolant Overflow tank is behind the driver's side headlight where an M6 threaded hole is located. Before proceeding, test fit bolt into hole to ensure hole is free of debris and rust. Use penetrating oil or other rust prohibitor to help clear out if rusty.



### Using "C" Bracket

4. Using Supplied M8 Bolt and washer, bolt "C" shaped bracket to one of (2) holes on bottom of coolant tank. We recommend the centered hole as this will provide the best fit on most cars. The other hole can be used in cases where different headlights are used or other aftermarket parts are installed.
5. Place tank over hole in chassis, and install M6bolt with washer through bracket into chassis. Tighten both M8 and M6 bolts to secure tank to chassis.



6. Push supplied 5/16" silicone hose into medium size hole on top of tank. Push hose through hole until it hits the bottom of tank. Pull hose out roughly .5" so hose doesn't touch bottom of tank.
7. Remove OEM rubber hose from small tube on back of radiator. Route 5/16" silicone hose to tube and cut hose to length.
8. Remove yellow cap from OEM coolant overflow tank by pinching small tabs together and pushing barb through hole. NOTE: If this breaks, you will need to purchase this part from Subaru.
9. Snap cap onto PERRIN Coolant Overflow Tank and push barbed end into remaining small hole on top of can.
10. Carefully reinstall battery back to chassis, making sure not to touch anything metal across terminals. Install battery hold down rods beside battery. These can be tricky as there are small holes toward the bottom where they hook into. With bracket installed, hand tighten 10mm nuts that keep battery secure. DO NOT OVERTIGHTEN!
11. Open cap and fill can roughly halfway with coolant (or water if no coolant) from OEM overflow tank. Snap cap back onto tank and take car for test drive. It is normal after the first test drive to see a little coolant come out of the top of the can. This is the system balancing the amount of coolant needed for the engine.
12. After a couple hours of operation it's a good idea to check tightness of bolts.

### ***Installation for 06-07 WRX/Impreza/STI***

1. Remove OEM coolant overflow tank from car by unsnapping small tab on left side of OEM Coolant overflow tank. NOTE: Take care in not spilling any coolant as this will be reused after PERRIN Coolant Overflow Tank is installed.
2. Using 10mm wrenches, disconnect battery terminals and battery hold down bracket. Remove battery from car, as this will help with installation of Tank. When removing battery make sure to not touch anything metal across terminals as this will result in large sparks and potentially fire!
3. The recommended location for the PERRIN Coolant Overflow tank is behind driver's side headlight where an M6 threaded hole is located. Before proceeding, test fit bolt into hole to ensure hole is free of debris and rust. Use penetrating oil or other rust prohibitor to help clear out if rusty.



**Using  
Flat  
Bracket**

- Using Supplied M8 Bolt and washer, bolt flat 3 hole bracket to one of (2) holes on bottom of coolant tank. We recommend the centered hole as this will provide the best fit on most cars. The other hole can be used in cases where different intercoolers are used or other aftermarket parts are installed.
- Using supplied M6 bolt and washer, secure tank and flat bracket to threaded hole behind headlight. Tank will rest in roughly the same place as the OEM coolant tank when bolted in properly. NOTE: Some slight bending of AC piping may be needed to clear tank. Take great care in bending these pipes as they can be fragile.



- Push supplied 5/16" silicone hose into medium size hole on top of tank. Push hose through hole until it hits the bottom of tank. Pull hose out roughly .5" so hose doesn't touch bottom of tank.
- Remove OEM rubber hose from small tube on back of radiator. Route 5/16" silicone hose to tube and cut hose to length.
- Remove yellow cap from OEM coolant overflow tank by pinching small tabs together and pushing barb through hole. NOTE: If this breaks, you will need to purchase this part from Subaru.
- Snap cap onto PERRIN Coolant Overflow Tank and push barbed end into remaining small hole on top of can.
- Carefully reinstall battery back to chassis, making sure not to touch anything metal across terminals. Install battery hold down rods beside battery. These can be tricky as there are small holes toward the bottom where they hook into. With bracket installed, hand tighten 10mm nuts that keep battery secure. DO NOT OVERTIGHTEN!
- Open cap and fill can roughly halfway with coolant (or water if no coolant) from OEM overflow tank. Snap cap back onto tank and take car for test drive. It is normal after the first test drive to see a little coolant come out of the top of the can. This is the system balancing the amount of coolant needed for the engine.
- After a couple hours of operation it's a good idea to check tightness of bolts.

### **Installation for 08+ WRX/Impreza/STI**

- Remove OEM coolant overflow tank from car by unsnapping small tab on left side of OEM Coolant overflow tank. NOTE: Take care in not spilling any coolant as this will be reused after PERRIN Coolant Overflow Tank is installed.
- Remove rubber coolant pickup hose from small coolant pipes on back of radiator. Install supplied 5/16" cap over end of pipe.
- The recommended location for the PERRIN Coolant Overflow tank is behind passenger side headlight. Locate 10mm bolt securing a ground wire on side of frame rail.



### **Using "L" Bracket**

- Using Supplied M8 Bolt and washer, bolt short leg of "L" bracket to one of (2) holes on bottom of coolant tank. We recommend the offset hole as this will provide the best fit on most cars. The other hole can be used in cases where different intercoolers are used or other aftermarket parts are installed.
- Remove 10mm grounding bolt on side of frame rail. Secure tank to frame rail using OEM bolt through middle hole on bracket. NOTE: Make sure to put ground wire under head of bolt before tightening down. Once installed twisting or bending of bracket can be done to move tank to desired position.



6. Push supplied 5/16" silicone hose into medium size hole on top of tank. Push hose through hole until it hits the bottom of tank. Pull hose out roughly .5" so hose doesn't touch bottom of tank.
7. Locate OEM coolant overflow hose on right side of radiator. This is the thinner hose that connects to the pipe capped off with the 5/16" cap. Roughly halfway between radiator and engine cut hose and join both ends to supplied 5/16" tee.
8. Connect silicone hose to open leg of tee and cut hose to length.
9. Remove yellow cap from OEM coolant overflow tank by pinching small tabs together and pushing barb through hole. NOTE: If this breaks, you will need to purchase this part from Subaru.
10. Snap cap onto PERRIN Coolant Overflow Tank and push barbed end into remaining small hole on top of can.
11. Open cap and fill can roughly halfway with coolant (or water if no coolant) from OEM overflow tank. Snap cap back onto tank and take car for test drive. It is normal after the first test drive to see a little coolant come out of the top of the can. This is the system balancing the amount of coolant needed for the engine.
12. After a couple hours of operation it's a good idea to check tightness of bolts.