

2008—2014 SUBARU WRX ALUMINUM COOLANT EXPANSION TANK PARTS LIST AND INSTALLATION GUIDE



PARTS INCLUDED

1PC | ALUMINUM EXPANSION TANK

1PC | MISHIMOTO RADIATOR CAP

MOUNTING HARDWARE

TOOLS NEEDED

12MM SOCKET

NEEDLENOSE PLIERS

1/4" DRIVE RATCHET

FUNNEL

FLATHEAD SCREWDRIVER

MISHIMOTO LIQUID CHILL®

PHILLIPS SCREWDRIVER

INSTALL TIME **1.5 HOURS**

INSTALL DIFFICULTY

DISCLAIMER

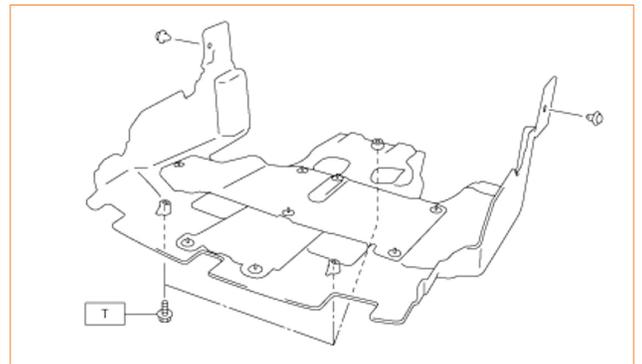
- Raise vehicle only on jack stands or on a vehicle lift.
- Allow vehicle to cool completely prior to attempting installation.
- Do not run the engine or drive the vehicle while overheating; serious damage can occur.
- Please dispose of any liquids properly.
- Mishimoto is not responsible for any vehicle damage or personal injury due to installation errors, misuse, or removal of Mishimoto products.
- Mishimoto suggests that a trained professional install all Mishimoto products.

CAUTION

Never work on the cooling system when it is hot. The coolant temperature in the radiator can be considerably higher than boiling, and the system may be under pressure. Opening a cooling system that is hot or under pressure can result in serious injury. Always wait until the system has cooled completely before servicing it in any way.

INSTALL PROCEDURE

01. Set the vehicle on an automotive lift, or raise it with a jack and place it securely on jack stands. Refer to your owner's manual for safe lifting points if you are unsure.
02. Remove the five fasteners that secure the undertray, and then remove the undertray. (3x 12mm bolts, 2x pop-clips)



03. Place a drain pan or bucket under the radiator petcock. Loosen the petcock on the radiator to drain the coolant until the expansion tank is empty. Remove the pressure cap from the expansion tank to accelerate the draining process.



04. Tighten the petcock on the radiator once the coolant has drained below the expansion tank.

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05. The stock expansion tank has three hoses, each attached with a spring-clamp to the top. Compress the spring-clamps on these hoses and slide them back. Then work the hoses off the ports and move them aside.



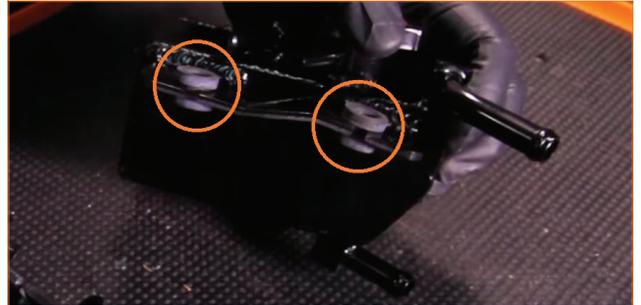
06. Remove the bolt that holds the expansion tank in place. (1x 12mm bolt)



07. Lift the expansion tank to unseat it from the pegs. Locate the lower hose on the expansion tank, compress the spring-clamp that secures it, and slide the clamp down the hose. Then disconnect the hose from the expansion tank.



08. Remove the two rubber bushings from the stock expansion tank, and transfer them to the Mishimoto expansion tank.



09. Connect the lower hose to the Mishimoto expansion tank, and secure it with the spring-clamp.
10. Seat the Mishimoto expansion tank over the mounting pegs, and secure it with the original bolt. (1x 12mm bolt)
11. Connect the three upper hoses to the expansion tank, and secure them with the spring-clamps.
12. Fill the system with premixed, Subaru-approved coolant through the reservoir filler neck, start the engine, and allow it to idle with the cap off. Turn the heater control valve on the vehicle's HVAC unit to full hot, and put the fan on low. Monitor the engine temperature and coolant level in the reservoir. Add coolant as needed to maintain proper level in the reservoir, and check your connections for leaks. If the vehicle begins to overheat or coolant starts to overflow from the reservoir, shut off the engine and allow it to cool before continuing. Once the vehicle is fully warmed up and the coolant level has stabilized, allow the vehicle to cool off completely, and then top off the coolant level. Coolant level should be checked once more after putting in some miles.
13. Reinstall the undertray and secure it with the original hardware. (3x 12mm bolts, 2x pop-clips)

Congrats! You just finished installing the 2008—2014 Subaru WRX Aluminum Coolant Expansion Tank.