

# 2015+ FORD MUSTANG DIRECT-FIT EXPANSION TANK PARTS LIST AND INSTALLATION GUIDE



## PARTS INCLUDED

**1PC** | ALUMINUM EXPANSION TANK W/ SIGHT GLASS

**1PC** | OVERFLOW HOSE

**3PC** | WORM-GEAR CLAMPS

## TOOLS NEEDED

5.5MM SOCKET

NEEDLENOSE PLIERS

7MM SOCKET

HOSE-CLAMP TOOL

10MM DEEP SOCKET

FUNNEL

1/4" DRIVE RATCHET

MISHIMOTO LIQUID CHILL®

FLATHEAD SCREWDRIVER

**INSTALL TIME 1 HOUR**

**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 fasteners that secure the undertray to the bottom of the vehicle, and then remove the undertray. (14x 7mm screws, 6x pop-clips, 2x 5.5mm screws)
- 03.** Attach a hose to the petcock on the bottom of the stock radiator, and place the other end of the hose in a drain pan or bucket. Loosen the petcock on the radiator to drain the coolant until the expansion tank is empty. Remove the cap on the expansion tank to speed up the draining process.



- 04.** Tighten the petcock after the coolant has drained.
- 05.** Compress the spring-clamp on the forward coolant hose of the expansion tank, and move the clamp down the hose. Remove the hose from the tank, and then remove the spring-clamp from the hose. (1x spring-clamp)



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# 2015+ FORD MUSTANG DIRECT-FIT EXPANSION TANK INSTALLATION GUIDE



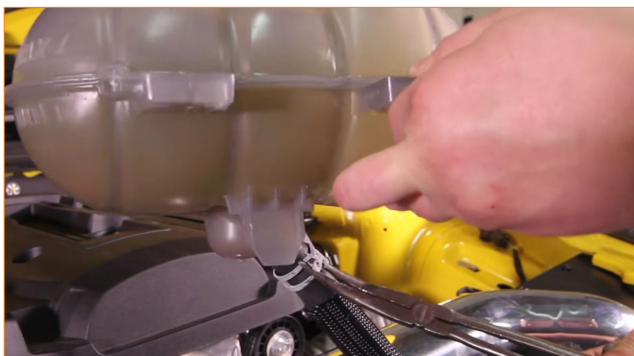
- 06.** Compress the spring-clamp on the forward coolant hose of the expansion tank, and move the clamp down the hose. Remove the hose from the tank, and then remove the spring-clamp from the hose. (1x spring-clamp)



- 07.** Remove the two bolts that secure the expansion tank to the fan shroud. (2x 10mm bolts)



- 08.** Lift the stock expansion tank off the fan shroud. Use a hose-clamp tool to pinch off the lower hose. Compress the spring-clamp on the lower hose, and slide the clamp down the hose. Then remove the hose from the tank.



- 09.** Remove the pressure cap from the stock expansion tank. This cap will be used on the Mishimoto tank. Ensure the sight glass is torqued to 7ft/lbs.
- 10.** Remove the spring-clamp from the lower hose, and replace it with the provided worm-gear clamp. (1x spring-clamp, 1x worm-gear clamp)
- 11.** Slip the bottom port on the Mishimoto expansion tank into the lower coolant hose, and secure the hose with the worm-gear clamp. Then remove the hose-clamp tool. (1x worm-gear clamp)



- 12.** Mount the Mishimoto expansion tank to the fan shroud. Slip the angled mount on the expansion tank into the slot in the fan shroud, and secure the tank with the two original bolts. (2x 10mm bolts)



- 13.** Slip a worm-gear clamp over both the forward and rear coolant hoses, and connect the hoses to the expansion tank. Secure the hoses with the worm-gear clamps. (2x worm-gear clamps)

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# 2015+ FORD MUSTANG DIRECT-FIT EXPANSION TANK INSTALLATION GUIDE



14. Connect the supplied overflow hose to the overflow port just behind the filler neck of the expansion tank. Route the hose down toward the lower radiator support. This hose does not require a clamp.



15. Install the undertray and secure it with the original hardware. (14x 7mm screws, 6x pop-clips, 2x 5.5mm screws)
16. Fill the system with premixed, Ford-approved coolant through the reservoir pressure cap, 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.

**Congrats! You just finished installing  
the 2015+ Ford Mustang Expansion Tank.**

