

2016+ CHEVY CAMARO SS SILICONE ANCILLARY HOSE KIT PARTS LIST AND INSTALLATION GUIDE



PARTS INCLUDED

- 1PC | UPPER HEATER CORE HOSE
- 1PC | LOWER HEATER CORE HOSE W/ HEAT WRAPPING
- 1PC | EXPANSION TANK HOSE W/ BUILT-IN CHECK BALL
- 8PC | WORM-GEAR CLAMPS
- MOUNTING HARDWARE

TOOLS NEEDED

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|-----------------------|----------------------|
| 7MM SOCKET | SMALL PICK |
| 10MM SOCKET | PANEL TOOL |
| 1/4" DRIVE RATCHET | FLATHEAD SCREWDRIVER |
| 1/4" DRIVE EXTENSIONS | LINESMAN PLIERS |
| 1/4" DRIVER | |

INSTALL TIME 2-3 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 screws that secure the air diverter to the driver side of the vehicle, and remove the air diverter. Repeat this process on the passenger side. (10x 7mm screws)
03. Remove the eight screws that secure the lower edge of the bumper. (8x 7mm screws)
04. Remove the four screws and six bolts that secure the splash panel to the underside of the vehicle. Then remove the splash panel. (4x 7mm screws, 6x 10mm bolts)
05. Place a drain pan beneath the petcock on the radiator. Attach a short length of hose over the drain on the radiator to reduce spillage, and loosen the petcock until coolant begins to flow from the drain tube.
06. Once the radiator has finished draining, close the petcock.
07. Compress the clamp that secures the overflow hose to the expansion tank and separate the hose from the tank. Repeat this process on the other two ends of the overflow hose, and then remove the hose from the vehicle. (3x spring-clamps)



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08. Disconnect two of the clips that secure the wiring harness to the engine near the expansion tank.



09. Separate the two tree-clips that secure the heater hoses to the engine. Then separate the upper heater hose from the water pump. (2x tree-clips)



10. Separate the tree-clip that secures the lower heater hose to the engine. Then compress the clamp that secures the lower hose to the water pump, and separate the hose. (1x spring-clamp, 1x tree-clip)



11. Compress the clamp that secures the heater hose to the back of the expansion tank and separate the hose. (1x spring-clamp)



12. Separate the quick-disconnect fittings that secure the heater hoses to the firewall and remove the hoses from the vehicle. Each fitting has a clip that locks the hose in place. To release the fitting, the clip needs to be slid out until it snaps into the second detent on both sides. Use a pick and flathead screwdriver to release the clips. When you reinstall the hoses, simply lock this clip back into place to secure the hose.



13. Compress the clamps that secure the quick-disconnect fittings to the factory hoses and remove the fittings. Lubricate the fittings with fresh coolant and transfer them to the Mishimoto heater hoses. Orient the fittings so the clip will be easily accessible when installed on the car and secure them with the provided hose clamps. (2x spring-clamps, 2x worm-gear clamps)
14. Lead the hose with three ends underneath the dipstick tube and along the side of the engine. Install a hose clamp over the end of the hose and attach it to the lower port on the water pump. Install a hose clamp over the other end of the hose and connect it to the expansion tank. Set the quick-disconnect fitting to the unlocked position and attach the hose to the outermost port on the firewall. Then lock the clip to secure the hose to the firewall and tighten the clamps you installed earlier. (2x worm-gear clamps)

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15. Lead the other heater hose alongside the first and secure it to the firewall. Then install a hose clamp over the other end and attach the hose to the upper port on the water pump. Tighten the clamp to secure the hose. (1x worm-gear clamp)



16. Reconnect the tree-clips that secure the wiring harness to the engine. (2x tree-clips)
17. Locate the overflow hose included with your kit. This hose contains a valve so it is important that it is installed correctly. The hose ends are labeled for ease of installation. Install a worm-gear clamp over each end and attach the hose to the appropriate ports on the thermostat housing (T-STAT), radiator (RAD) and expansion tank (TNK). Then tighten the clamps to secure the hose. (3x worm-gear clamps)



18. Fill the cooling system with premixed, Chevy-approved coolant, 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.

19. Install the splash panel to the underside of the vehicle, and secure it with the original hardware. (4x 7mm screws, 6x 10mm bolts)
20. Install both air diverters to the vehicle, and secure them with the 10 original screws. If you forgot which side is which, look on the underside of the diverters. The driver side will be marked **LH**, and the passenger side will be marked **RH**. (10x 7mm screws)
21. Install the eight screws that secure the front edge of the bumper. (8x 7mm screws)
22. Install the four screws that secure the splash panel to the fender liner. (4x 7mm screws)

Congrats! You just finished installing the 2016+ Chevy Camaro SS Silicone Ancillary Hose Kit.



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