

# 2016+ CAMARO SS

## AXLEBACK EXHAUST INSTALLATION INSTRUCTIONS

Thanks for purchasing a Stainless Works Axleback exhaust system for your 2016+ Camaro SS. We have gone to great pains to make sure that our exhaust systems fit and sound great. Please follow these steps to ensure that your installation goes as planned. Stainless Works offers axlebacks with either dual tips (one on each muffler) or quad tips (two tips per muffler) – the valve assemblies on the quad tip muffler assemblies contain NPP style valves to which the OEM electrical motors are attached to provide full functionality for the three mode exhaust system. These motors will be used in this installation if you have the quad tip NPP option.



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**1.** Stainless Works recommends the use of Hi-Temp RTV sensor safe silicon gasket maker as an option to or in conjunction with the use of factory gaskets. The recommended Oxygen Sensor Safe RTV is either Valco All-in-One Aluminum or Permatex Copper P/N 101BR available at NAPA, Autozone and other retailers.

**2.** Disconnect the battery before starting work on the exhaust system for your vehicle. Reconnect the battery when the job is completed.

**3.** Your exhaust system can be installed by a weekend warrior but the use of a lift is recommended for ease of installation. If using a jack, the vehicle must be placed on a level hard surface and jack stands are required for safety reasons.

**4.** You will assemble the components together as specified below, but only snug the clamps until everything is aligned. Then fully tighten the clamps.

**5.** Towards the rear of the vehicle after the flattened exhaust pipe near the differential mark the two tubes leading into the factory muffler. Mark both tubes 9" from the front end of the muffler. Cut both tubes with a hacksaw, cutoff wheel or Stainless Steel tubing cutter.



*Detail 5*

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**6.**

If so equipped with quad tips and valves, disconnect the wire connectors on the OEM electrical motorized valves at the tips.

**7.**

Remove the factory muffler from the hangers and the car.

**8.**

If so equipped with quad tips and valves, connect the valve wire extensions to the valve wires up in the car, which are provided with the kit. These will allow the wires to reach the slightly different position of the connections with the Stainless Works Axleback valves.

**9.**

If so equipped with quad tips and valves, remove the electrical motors from the valves using the (3) 5mm bolts. Reinstall the electrical motors onto the Stainless Works valves using these same (3) 5mm bolts and tighten.

**10.**

Deburr the outlet ends of the OEM tailpipes still up in the car.

**11.**

Install the Stainless Works muffler assemblies into the rubber hangers and over the factory tailpipes or Stainless Works tailpipes using the (2) clamps provided.

*\*You may have to squeeze the back end of the factory tailpipes to round them back out which will make installation easier. A large pair of vice grips, channel locks or a C-clamp will do the trick.*

**12.**

If so equipped with quad tips and valves, reconnect the wires to the electrical motors. The Passenger side tip valve wire will not stretch to fit the new valve connection, so a wire extension is include for that wire. Simply connect one end to the OEM wire and the other to the tip valve. Make sure that any parts of extra wiring are zip-tied out of the way so they will not touch any part of the exhaust system.

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### 13.

Adjust and tighten the system.

### 14.

Be sure to have adequate clearance around all wires, hoses and lines. If anything is in contact with the exhaust system, it will melt. Make sure to have at least ½" of clearance and wrap any suspect areas with DEI thermal barrier wrap.

### 15.

After double checking for clearance and making sure all lines, wires and hoses are secured, drive the car for 10-20 miles and re-check all clamps and clearances. Your system may be tack welded at the joints/ clamps to reduce shifting of the system during heating and cooling cycles. Make certain to disconnect the battery before performing any welding.



**DUAL TIP – NO VALVES IN TIPS**



**QUAD TIP - VALVES IN TIPS**

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