



INSTALLATION INSTRUCTIONS FOR 14-16 CHEVY SS HEADERS

Thanks for purchasing Stainless Works Muscleflow Headers for your 14-16 Chevy SS 6.2L. We have worked extensively to make sure that our exhaust systems fit and sound great. Please follow these steps to ensure that your installation goes as planned.

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 as you move along from front to back. When placing the X-pipe (if part of your system) into position, make certain that you push it fully forward and level it in with the vehicle. After aligning all the components in the vehicle, you will tighten all the clamps working from front to back of the vehicle.
5. Raise and support the vehicle.
6. Remove ball clamps at the front of the mufflers and remove mufflers.
7. Remove (4) 10 mm bolts from cross brace and remove.
8. Remove tailpipes from the rubber hangers.
9. Unbolt (4) 10 mm nuts, 2 per side from exhaust connection flanges behind the OEM catalytic converters.

10. Remove exhaust from the vehicle.
11. Remove engine cover.
12. Disconnect and remove all four O2 sensors.
13. Remove 10 mm bolt holding dipstick tube and remove.
14. Disconnect and remove plugs and wires.
15. Remove 10 mm bolt from steering shaft to steering rack and disconnect steering shaft.
16. Remove 12 (6 per side) 8 mm manifold bolts and remove manifolds.
17. Install front (header) O2 extensions to harnesses (P/N 105168).
18. Install headers from bottom using (12) 6 per side 8mm bolts.
19. Reinstall O2 sensors in headers, plugs, wires, and dipstick using provided spacer and 10 mm bolt.
20. Install either catalytic converters (or off road pipes) using (2) 3" clamps.
21. Install expanded lead pipes with 3" clamps and install hangers.
22. Install O2 sensors in lead pipes.

Installation for Systems using Factory Mufflers (The following section is not required for installing Stainless Works Catback with Mufflers. See the separate Catback Installation Instructions for Systems using Stainless Works Catback with Mufflers)

23. Install X-pipe using (2) 3" clamps. Push all the way forward and level the X-pipe.
24. Install tails using (2) 3" clamps and (2) 3" tail hangers. See pictures below.



25. Take factory mufflers and cut muffler inlet pipes removing just the flared pieces and deburr. See picture of cutoff flared piece below.



26. Reinstall Factory mufflers using provided 2 ¼ clamps.
27. Reinstall the cross brace using the provided spacers – one on each side under the brace.
28. Adjust and tighten system starting from front to back.
29. Lower the car.
30. Reinstall engine cover.
31. Reconnect the battery.
32. 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.
33. 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.