

2008-09 PONTIAC G8 GT 6.0L

HEADER INSTALLATION INSTRUCTIONS

Thanks for purchasing a Stainless Works Header system for your 2008-2009 Pontiac G8 6.0L. Our team has worked tirelessly to ensure that this product is the premium in performance, quality, and fitment. We are proud to say that this system will unleash the true character of your vehicle. We encourage you to read through the following steps, and check the included Bill of Materials before beginning. Please follow these steps to ensure that your installation goes as planned.



Pontiac G8 GT Header Systems

PG8H, PG8HST, PG8HOR, PG8HORST, PG8HORFC, PG8ORSTFC, PG8HCAT, PG8HCATST, PG8HCATFC, PG8HCATSTFC

a.

Stainless Works recommends the use of Hi-Temp RTV sensor safe silicon gasket maker as an option 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.

b.

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

c.

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 hard level surface. Jack stands are required for safety.

d.

You will assemble the components together as specified below, but only snug the clamps as you move along from front to back. After aligning all the components in the vehicle, you will tighten all the clamps working from front to back of the vehicle.



Detail a

DISASSEMBLY

1.

Disconnect battery.

2.

Raise and support vehicle.

3.

Unbolt (4) 10mm nuts, using 15mm socket, from the exhaust connection flanges behind the OEM catalytic converters.

4.

Push the catback towards the rear of the vehicle to make room.

5.

Disconnect and remove all (4) O2 sensors.

6.

Remove the 10mm bolt (15mm socket) from the dipstick tube mount.

7.

Disconnect and remove plugs and wires.

8.

Remove (1) 10mm bolt (15mm socket) from the steering shaft to the steering rack and disconnect the steering shaft.

9.

Use a 13mm socket to remove 12 (6 per side) 8mm manifold bolts and remove the manifolds.



Detail 3

SW HEADER INSTALLATION

10.

Install the provided front (header) O2 extensions to the wire harnesses.

11.

Install each header from the bottom, using 12 (6 per side) 8mm (10mm socket) bolts provided.

12.

With the dip stick removed from the tube, bend the tube mounting bracket so that it is straight. Then use the supplied relocation bracket and nut to remount to the second header bolt. You may need to bend the dipstick tube a bit for clearance.

13.

Reinstall O2 sensors into headers, connecting plugs and wires.

Steps 14-16 will cover installation to the factory catback. If you are installing a Stainless Works performance catback, skip to step 17.

14.

On the factory exhaust, measure and mark $2\frac{1}{2}$ "- $2\frac{3}{4}$ " forward from the third bend (see pictures right). Cut and deburr.



Detail 14a



Detail 14b

15.

Install lead pipes to headers using (2) 3" clamps.

16.

Install factory exhaust to the lead pipes using (2) 2¼" clamps.
[Skip ahead to step 19.](#)

17.

For connecting to Stainless Works catback, begin by installing either catalytic converters or off road tubes using (2) 3" clamps.

18.

Install lead pipes to cats or off road tubes using (2) 3" clamps.
Install hangers into rubber insulators.

19.

Reinstall O2 sensors in lead pipes and connect plugs.

20.

Adjust system and tighten clamps.

21.

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.

22.

Reconnect the battery.

23.

After double checking for clearance and making sure all lines, wires, and hoses are secured, drive the car for 10-20 miles and recheck 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 sure to disconnect the battery before performing any welding.



Detail 16



Detail 18