

2014+ TOYOTA TUNDRA 5.7L

HEADER INSTALLATION INSTRUCTIONS

Thanks for purchasing a Stainless Works Header system for your 2014+ Toyota Tundra. Our team has worked 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.



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(TOYT14HCAT/HOR)

a.

Stainless Works recommends the use of Hi-Temp RTV sensor safe silicone 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

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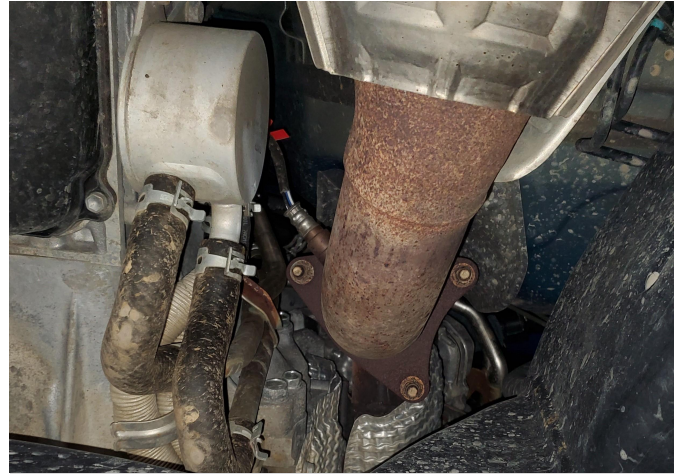
DISASSEMBLY

1. Disconnect the battery.
2. Raise and support the vehicle.
3. Remove front tires to allow easier access to the OEM manifold bolts .
4. Remove push clips from inner fender splash shields. There are 11 total clips (6 towards the front, 5 rearward).
5. Remove (4) 14 mm bolts from right & left two-bolt flanges located before the OEM mufflers.
6. Mark locations of the front & rear O2 sensors & remove.
7. Remove (3) 14 mm nuts from the passenger three-bolt flanged catalytic converter pipe. This assembly can now be removed from the vehicle.
8. **IF YOU WISH TO SAVE THE DRIVER CATALYTIC CONVERTER PIPE ASSEMBLY, FOLLOW STEPS 9-14.** **If not, cut the pipe** near the cross member, then remove the (3) 14 mm nuts from the three-bolt flanged catalytic converter pipe. This separated assembly can now be removed from the vehicle.
9. Support the transmission & remove the 14 mm bolts from the mount.
10. Remove (2) 12 mm bolts from the driver side heat shield located on the cross member.
11. Remove (4) 17 mm bolts & nuts from the cross member. The cross member can now be removed from the vehicle.

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Detail 7: Passenger three bolt catalytic converter flange.



Detail 8: Cut location for driver side catalytic converter pipe.

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12.
Remove (8) 14 mm nuts (4 on front, 4 on back) of the front wheel drive shaft. The drive shaft can now be removed from the vehicle.

13.
Use a ratchet strap to gently pull the transmission toward the passenger side of the vehicle. You now have clearance to remove the driver side catalytic converter pipe assembly from the vehicle.

14.
Reinstall components previously removed. They will not interfere with the new Stainless Works components being installed.

ASSEMBLY

15.
Remove (3) 10 mm bolts on each OEM manifold heat shield. Both shields can now be removed.

16.
Remove (4) 10 mm nuts (2 per side) from the EGR flanges attached to the OEM manifolds.

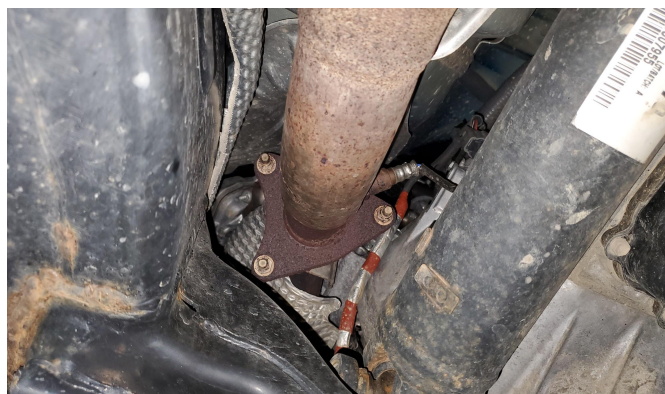
17.
Remove (16) 12 mm nuts (8 per side) from OEM manifolds. Remove manifolds from vehicle.

18.
Remove (16) manifold studs (E8 type socket/wrench) from engine head.

19.
Remove (4) EGR tube studs (E6 type socket/wrench).

20.
Install headers utilizing OEM gasket and/or RTV sealant, supplied (16) 10 mm bolts (8 per side). OEM heat shields may need minor adjustment for additional clearance. **Do not fully tighten the header bolts at this time!!!**

21.
Install (4) supplied 10 mm bolts, washers & lock washers to the EGR flanges (two per side).



Detail 12: Front drive shaft & driver catalytic converter pipe (prior to removal)

22.
The header & EGR bolts can now be fully tightened at this time .

23.
Install front & rear O2 extensions.

24.
Reinstall remaining components previously removed.

25.
Install left & right high flow catalytic converters **OR** converter delete pipes & (2) 3" clamps.

26.
Install left & right lead pipes & (2) 3" clamps.

27.
Connect to OEM catback or Stainless Works exhaust using supplied hardware.

28.
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 1/2" of clearance and wrap any suspect areas with DEI thermal barrier wrap.

29.
After double checking for clearance and making sure all lines, wires and hoses are secured, drive the truck 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.



Detail 27: Connected to OEM catback



Headers and leads installed

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