

# MAGNUSON

## *PERFORMANCE*

### 2022+ Toyota Tundra Cat-Back Performance Exhaust Kit Installation Guide



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**Important Note:** Before installing the Magnuson Performance exhaust kit, please read through the installation procedure and verify that all items are present using the diagram in Appendix A at the back of this manual.

### **LIMIT OF LIABILITY STATEMENT**

The information contained in this publication was accurate and in effect at the time the publication was approved for printing and is subject to change without notice or liability. Magnuson Performance Products reserves the right to revise the information presented herein or to discontinue the production of parts described at any time.

### **SAFETY PRECAUTIONS**

**STOP! CAREFULLY READ THE IMPORTANT SAFETY PRECAUTIONS and WARNINGS BEFORE PROCEEDING WITH THE INSTALLATION!**

Appropriate disassembly, assembly methods and procedures are essential to ensure the personal safety of the individual performing the kit installation. Improper installation due to the failure to correctly follow these instructions could cause personal injury or death. Read each step of the installation manual carefully before starting the installation.

- Always wear safety glasses for eye protection.
- Place ignition switch in the OFF position.
- Always apply the parking brake when working on a vehicle.
- Block the front and rear tire surface to prevent unexpected vehicle movement.
- If working with a lift, always consult vehicle manual for correct lifting specifications.
- Operate the engine only in well-ventilated areas to avoid exposure to carbon monoxide.
- Do not smoke or use flammable items near or around the fuel system.
- Use chemicals and cleaners in well-ventilated areas.
- Batteries produce explosive gases, which can cause personal injury. Therefore, do not allow flames, sparks or flammable substances to come near the battery.
- Keep hands and any other objects away from the radiator fan blades.
- Keep yourself and your clothing away from moving parts when the engine is running.
- Do not wear loose clothing or jewelry that can get caught in rotating parts or scratch surface finishes.
- Allow the engine, cooling system, brakes and exhaust to cool before working on a vehicle. **WORK SAFELY!** Perform this installation on a good clean level surface for maximum safety and with the engine turned off.

### Tools Required:

- Metal cutting device (Reciprocating saw, hack saw or cut-off wheel to remove the factory exhaust system from the vehicle).
- Tape measure
- 17mm socket
- Torque wrench (not shown)
- Impact gun
- Safety glasses
- Hearing protection
- Lubricant for the saw blade
- File to de-burr the exhaust pipe (not shown)



### Contact Information:

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**A drawing is provided in Appendix A at the back of this manual.**

1. Remove the spare tire to allow for additional access while the exhaust system is being upgraded.



2. Measure 1 ½" AHEAD of the factory muffler and mark the factory exhaust pipe at this location.



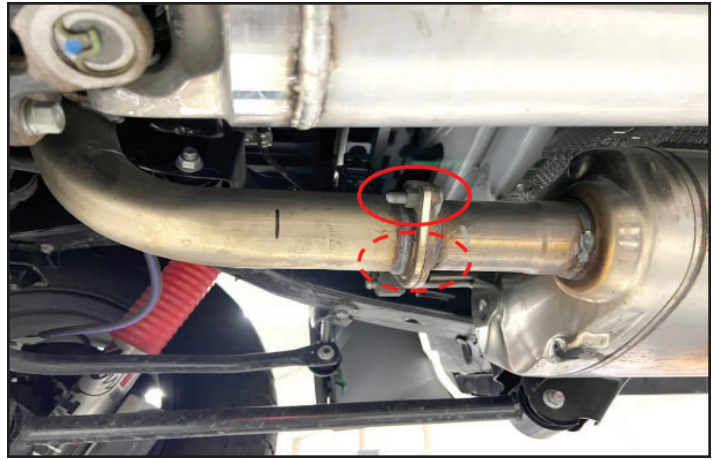
3. Use a bungee cord, ratchet strap or other means of supporting the factory exhaust pipe ahead of the muffler as shown.



4. Cut the pipe at the location that was marked in the previous slide



5. Remove two nuts from the factory exhaust flange behind the muffler.



6. Remove the factory muffler section from the vehicle by disconnecting it from the hangers.



7. Use a file to de-burr the factory section of pipe.



8. Remove the factory tail pipe section from the vehicle.

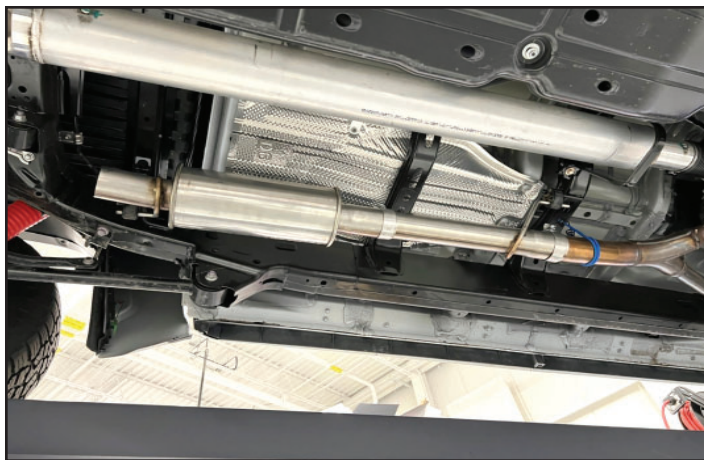
Note that this section may have to be cut in order to be removed, unless you have the ability to safely lift the back of the vehicle by the frame to allow the rear suspension to drop far enough.



9. Two lengths of straight pipe are provided in the kit depending on the wheelbase of your vehicle. Vehicles with 8-foot boxes will use both pipes.

Shorter wheelbase vehicles will only use the pipe with the welded-on hanger as shown.

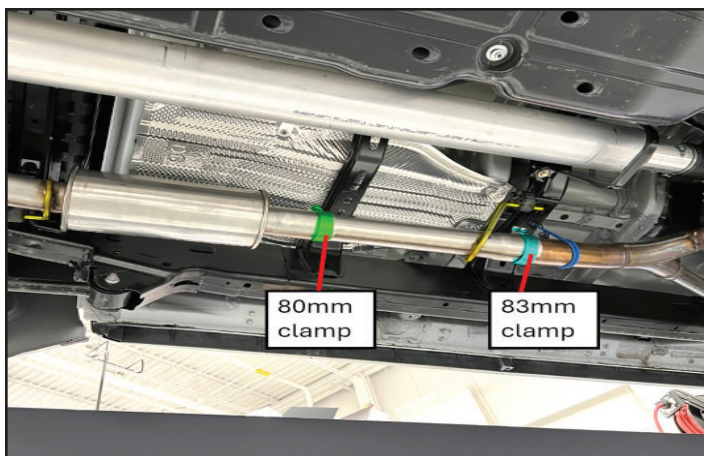
Refer to the drawing in Appendix A.



10. An 83mm clamp is used to secure the first joint behind the factory Y-pipe. A second 83mm clamp is used at the second joint for long wheelbase vehicles (not shown).

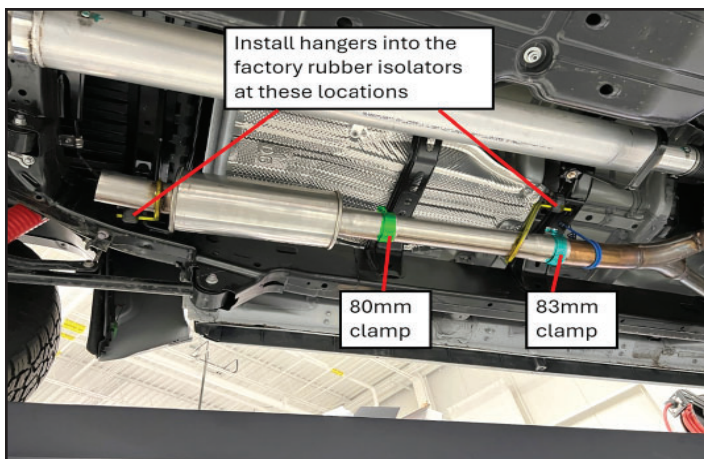
An 80mm clamp is used at the joint ahead of the muffler.

Install the correct clamps over each joint as shown in the photo.



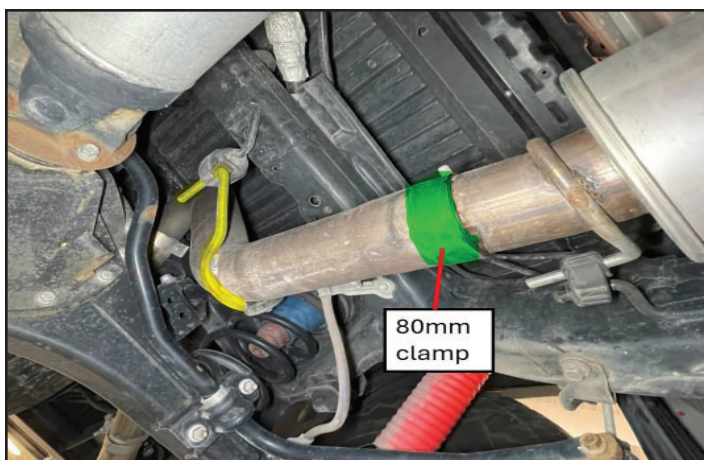
11. Install the pipe to the muffler then slip the hangers into the factory rubber isolators at the locations highlighted in yellow.

It is helpful to partially tighten the clamps so the pipes begin to tighten up but are still able to be rotated. This will allow you to position and orient each piece one final time for proper fit after the entire system has been installed.



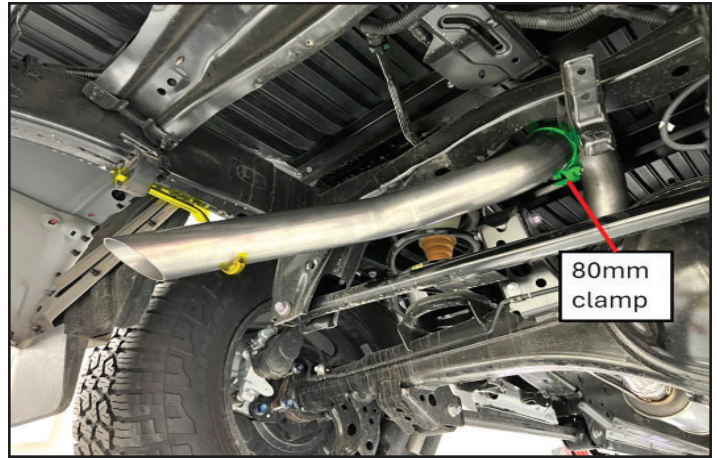
12. Slip an 80mm clamp on the forward end of the muffler to over-axle pipe.

Orient and install the pipe into the back of the muffler and install the hanger into the factory rubber isolator.



13. Slip an 80mm clamp on the forward end of the axle back pipe.

Orient and install the axle back pipe into the end of the over axle pipe and the factory rubber isolator.



14. Slip an 80mm clamp on the front of the Y-pipe then install it onto the end of the axle back pipe.

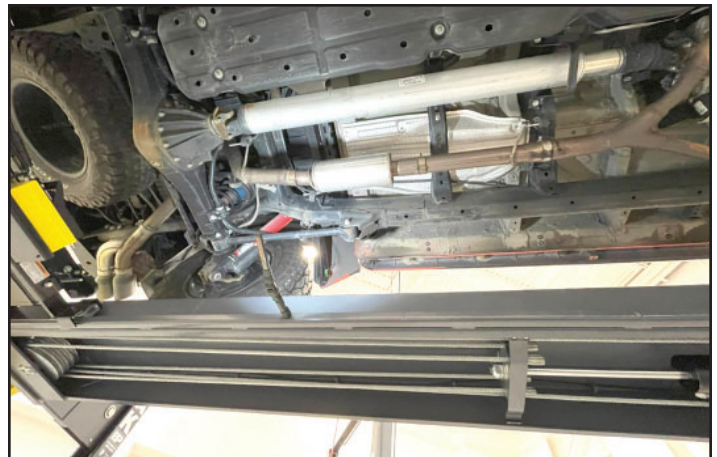
Slip 80mm clamps over the exhaust tips then orient and install them over the ends of the Y-pipe.

Orient and position the pipes and clamps, ensuring adequate clearance to all underbody components.



15. Re-install the spare tire and verify clearance to the exhaust system. Adjust the orientation of the pipes as necessary then lower the spare tire to gain temporary access to the clamps by the axle for final tightening. With the entire system now in the desired position, tighten all the clamp joints to 37 lb. ft. Raise the spare tire and re-secure it.

This completes the installation of the exhaust system.



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