

Tools and Materials Needed:

- New DASH Samurai exhaust system
- Jack and jack stands or ramps
- Wrenches and socket set
- Exhaust hanger tool or pliers
- Lubricant or penetrating oil
- Safety gloves and goggles
- Anti-seize compound (optional)

Instructions:

- 1. Preparation:
 - Lift the Vehicle: Use a jack and jack stands or ramps to raise the vehicle. Make sure it is securely supported before working underneath.

2. Remove the Old Exhaust System:

- **Locate the Exhaust Components:** Identify the parts of the old exhaust system (manifold, catalytic converter, mid-pipe, muffler, and tailpipe).
- **Apply Penetrating Oil:** If the bolts are rusted, apply penetrating oil and let it sit for a few minutes.
- Unbolt the Exhaust: Use wrenches or a socket set to remove the bolts and clamps securing the exhaust system. Be careful to support the exhaust system as you remove the bolts, as it might fall.
- Detach the Exhaust Hangers: Use an exhaust hanger tool or lever to remove the hangers holding the exhaust system in place. You might need to lubricate or use a bit of force to remove them.

3. Prepare the New Exhaust System:

- **Check Fitment:** Before installing, compare the new exhaust components with the old ones to ensure proper fitment.
- **Apply Anti-Seize Compound:** If recommended, apply anti-seize compound to the threads of the bolts to prevent rust and make future removal easier.



4. Install the New Exhaust System:

- \circ $\;$ Lay all the exhaust components out on a soft flat surface to prevent scratching.
- Bolt the Over diff pipe and the mid muffler together using new gasket supplied and use some silicone or exhaust sealer. Tighten this joint now.
- Fit up muffler and pipe assembly and attach rubber hangers to hold in position.
- Fit "Y" section to rear of catalysts using new gaskets and bolt up to Catalyst and mid muffler but leave bolts finger tight only. **Use original bolts.**
- Loosen catalyst front bolts but only a couple of turns.
- Fit tail pipe section and fit bolts loosely using new gasket and refit rubber hangers.
- 5. **Secure and Tighten:** Once all components are fitted and held aligned begin by tightening in this order:
 - **1.** Tighten "Y" section to mid-section muffler.
 - **2.** Tighten front "Y" section to catalysts.
 - **3.** Tighten catalyst front bolts.
 - 4. Tighten Tail pipe/Rear Muffler to over diff section.
 - 5. Inspect all components and ensure they all have sufficient clearance.
 - **Check for Leaks:** With the vehicle on the ground, start the engine and listen for any unusual noises or leaks. Check around the joints and connections for exhaust leaks. If you find any, address them by tightening or adjusting the connections.

6. Lower the Vehicle:

- Remove Jack Stands/Ramps: Carefully lower the vehicle from the jack stands or ramps once you've confirmed that the exhaust system is properly installed and secure.
- 7. Test Drive:
 - Drive and Inspect: Take the vehicle for a test drive to ensure the exhaust system is functioning correctly. Pay attention to the sound and performance of the new exhaust.



If you encounter any issues or if the installation doesn't seem to be going as planned, consulting a professional mechanic might be a good idea. Enjoy the performance boost and new sound of your upgraded DASH Samurai exhaust system!





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