

Z1 XTERRA / FRONTIER EXHAUST INSTALLATION MANUAL



This Installation Manual is intended for the following models:	
2005-2015	Nissan Xterra
2005+	Nissan Frontier

PROLOGUE:

Study these instructions completely before proceeding to assembly. The installer must have a thorough knowledge of automotive systems operation. If unfamiliar with any of the concepts outlined in this instruction, we recommend the installation be completed by a qualified professional.

WARNING!

Extreme caution should be taken when performing maintenance or performance upgrades to your vehicle. Please observe and abide by any Warning or Caution labels placed on the various components and tools used when servicing your vehicle. If you have any questions regarding installation or the various components included with the Z1 Off-Road Xterra / Frontier Exhaust, consult with a Professional Mechanic or contact Z1 Off-Road for more information.

PARTS INCLUDED:

Item	Quantity	Description
1	1	"Y" Merge Pipe
2	1	Crossover Pipe
3	1	Z1 Muffler
4	1	Mid-Pipe
5	1	Rear Pipe
6	1	Tip (Optional)
7	4	Exhaust Clamp
8	2	Exhaust Gasket

TOOLS REQUIRED:

- Hydraulic Jack
- (2) 2-Ton (or greater) Jack Stands
- Ratchet
- Ratchet Extension(s)
- Assorted Metric Sockets (up to 17mm)
- Assorted Metric Wrenches (up to 17mm)

SAFETY REQUIREMENTS:

- Always wear safety glasses and any necessary protective garments. If using any fluids, chemicals, or solvents, a respirator is recommended.
- Always use properly rated jack stands when working under your vehicle.
- Always keep limbs and parts away from moving drivetrain parts.
- Always turn the ignition to the OFF position and disconnect the NEGATIVE battery terminal.
- Only operate drivetrain in safe space and well-ventilated areas.

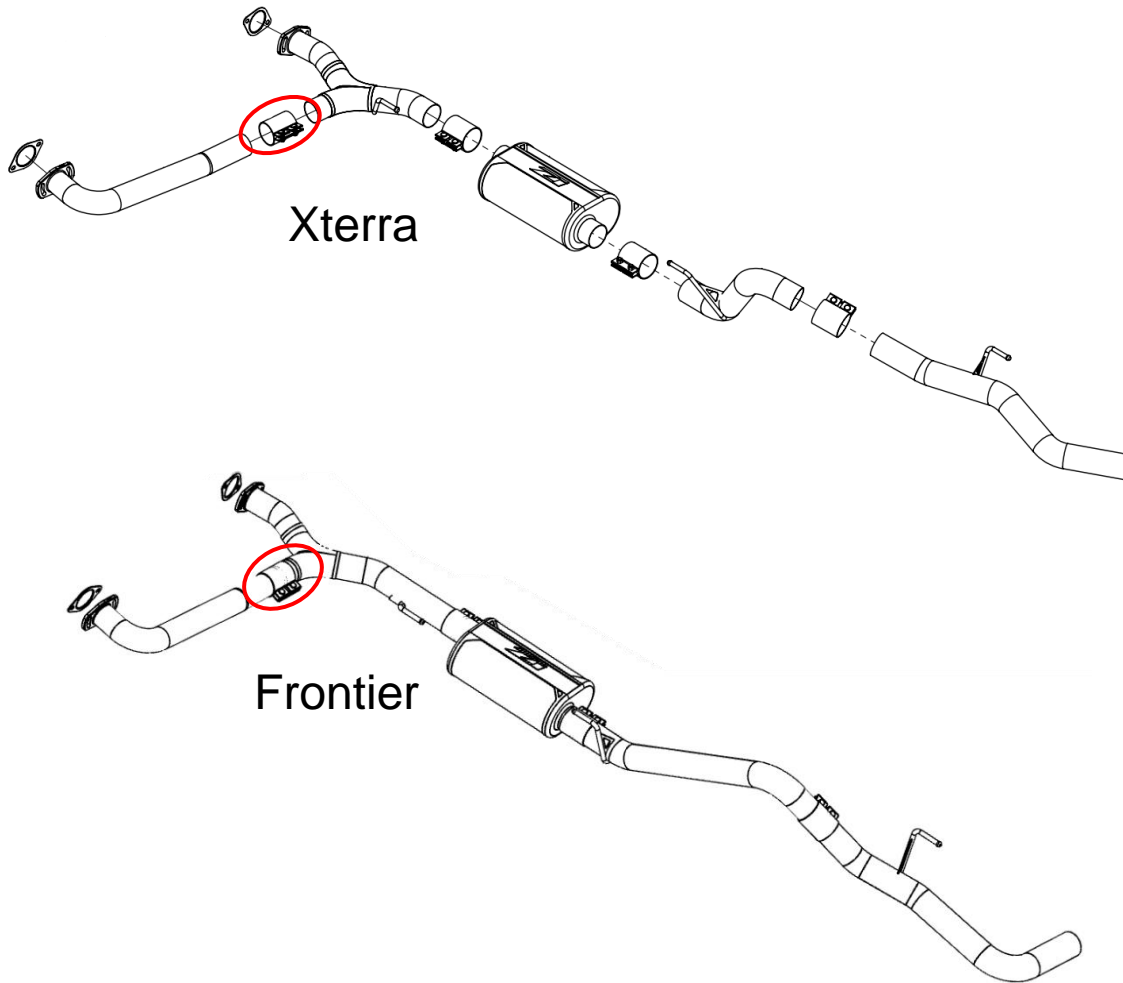
BEFORE YOU BEGIN:

Remove contents from the Z1 Off-Road Xterra / Frontier Exhaust and verify that ALL necessary hardware is present.

PROCEDURE:

1. Place the transmission in Park position (or in Reverse gear if equipped with a manual transmission). Apply the parking brake.
2. Locate proper jacking points on vehicle's chassis (refer to vehicle's Owner Manual). Raise and support vehicle using jack & jack stands.
3. Remove old exhaust components. It is recommended to spray some rust penetrating fluid on the old exhaust fasteners ~30 minutes before removal.
4. Locate new exhaust components and hardware/gaskets.

5. Orient new exhaust components into location under vehicle. Place bolts through flange mounting holes and loosely secure with hex nut. Use the diagram below as reference for orientation of each pipe



Note: Be sure to include gaskets between each exhaust flange connection.

6. While holding the Z1 flanges centered, tighten the nuts at the catalytic converters until they are snug but not fully tight (as shown below).
7. Next fully tighten the clamp connecting the crossover pipe and merge pipe. The clamp is circled in the diagram above.
8. Then go back and fully tighten the nuts connecting the catalytic converters to the Z1 exhaust.
9. Then working front to back after the merge collector, tighten all clamps.



END

Additional Technical Support:
Contact Z1 Off-Road at info@z1offroad.com
Or call 678-839-8019 between 9am and 6pm ET