



Installation Instructions

718104

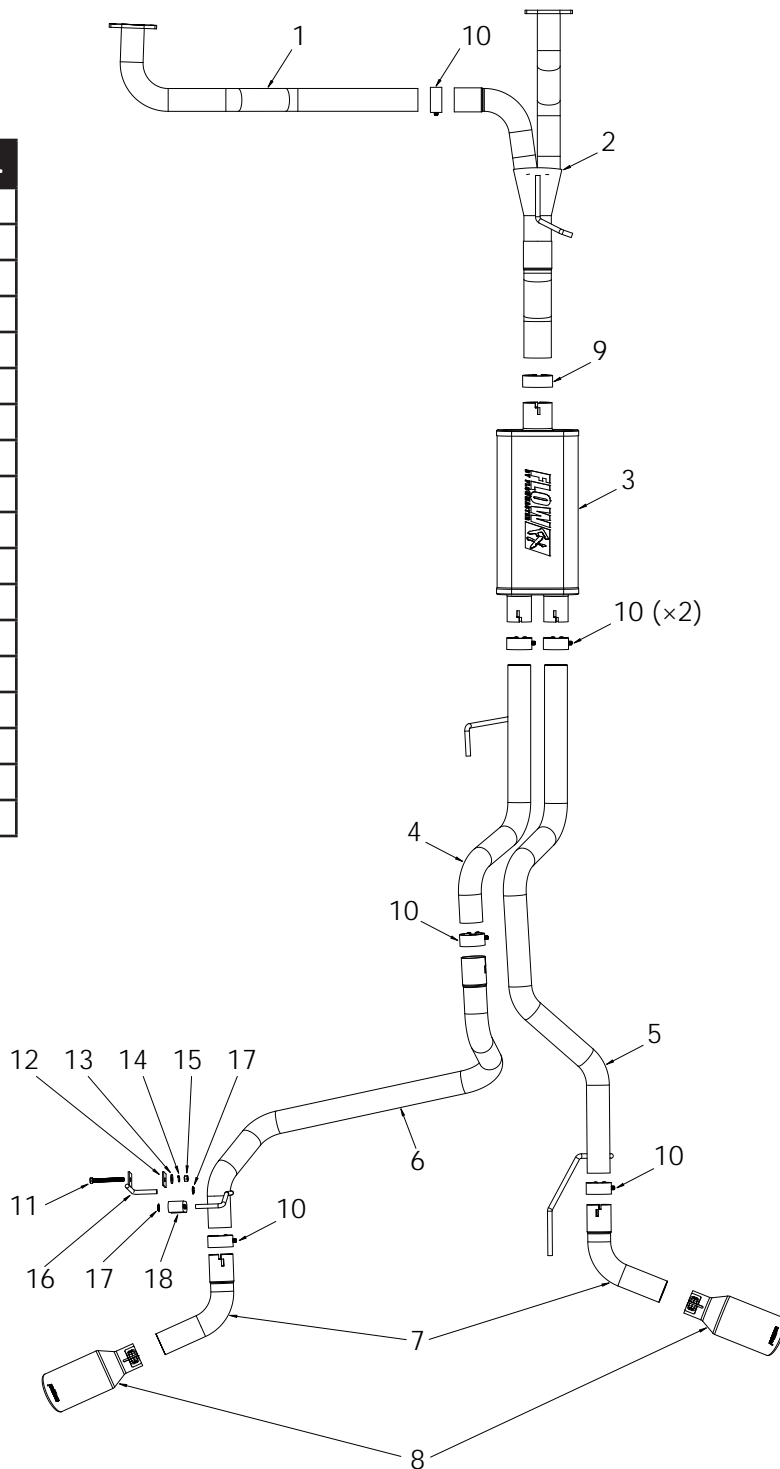
2004-15 NISSAN TITAN w/5.6L ENGINE

2- or 4-WHEEL DRIVE

Short wheelbase only (139.8 in.)

See "Applications" tab on the product web page for specific applications.

ITEM	PART NO.	DESCRIPTION	QTY.
1	16478M	LEFT HEAD PIPE	1
2	16473M	HEAD PIPE ASSY	1
3	72288-Z	FLOW FX MUFFLER	1
4	86728M	LEFT OVER-AXLE PIPE	1
5	86729M	RIGHT OVER-AXLE PIPE	1
6	86730M	LEFT TAILPIPE	1
7	86731M	SIDE EXIT PIPE	2
8	ST507B	TIP, BLACK CERAMIC	2
9	MC300BS	CLAMP, STAINLESS, 3"	1
10	MC250BS	CLAMP, STAINLESS, 2-1/2"	6
11	HW234	BOLT, 3/8-16 × 3-1/2"	1
12	HA226	BACKING PLATE	1
13	HW303	FLAT WASHER, 3/8"	1
14	HW309	LOCK WASHER, 3/8"	1
15	HW103	NUT, 3/8-16	1
16	227HA	FRAME HANGER	1
17	HW502	HANGER KEEPER, 7/16"	2
18	HA168	HANGER, RUBBER	1

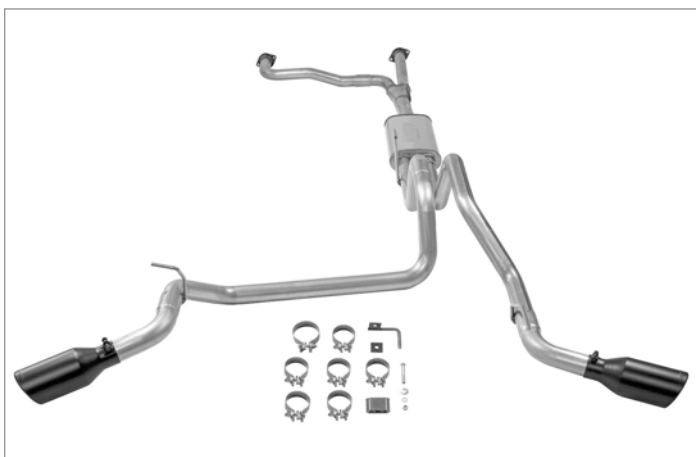


NOTES

- Installation requires moderate mechanical skill. If this job is beyond your abilities, seek the services of a qualified technician.
- If you do not understand any part of these instructions, please call Flowmaster Technical Support at (866) 464-6553 for assistance.
- Use stands to support exhaust system components, both when removing the stock system, and when installing your new kit.
- Apply penetrating oil generously to clamps, fasteners, pipes, and hanger rods for ease of disassembly.

REVIEW THE INSTRUCTIONS & VERIFY THE KIT CONTENTS

Take a moment to read and understand these instructions before installing your Flowmaster FlowFX exhaust kit.

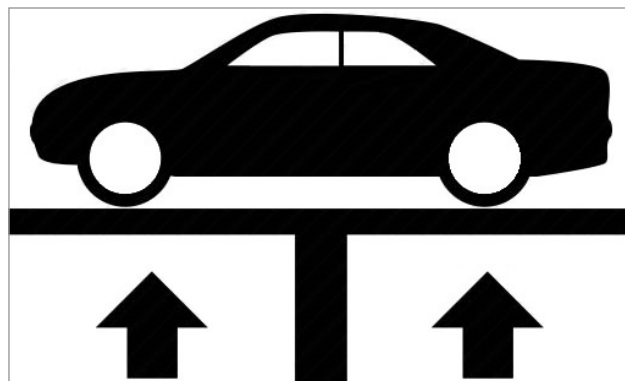


Use the parts drawing and list to verify your kit's contents. In the unlikely event that any parts are missing, please contact Flowmaster Technical Support for replacements.

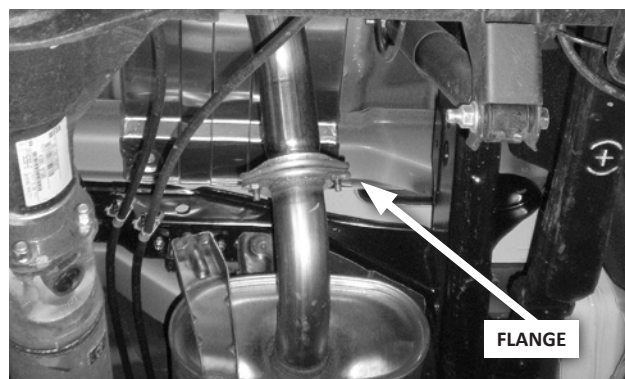
REMOVE THE FACTORY EXHAUST SYSTEM

WARNINGS

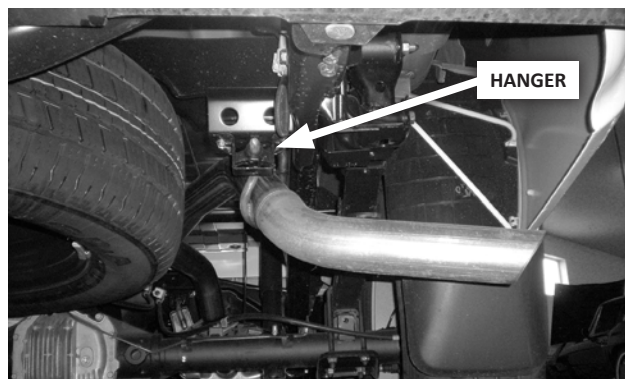
- **AVOID BURNS!** Exhaust systems get extremely hot. Allow the vehicle to cool down fully before starting work.
- **AVOID SERIOUS INJURY OR DEATH BY CRUSHING!** Never work under a vehicle that is supported by jacks.



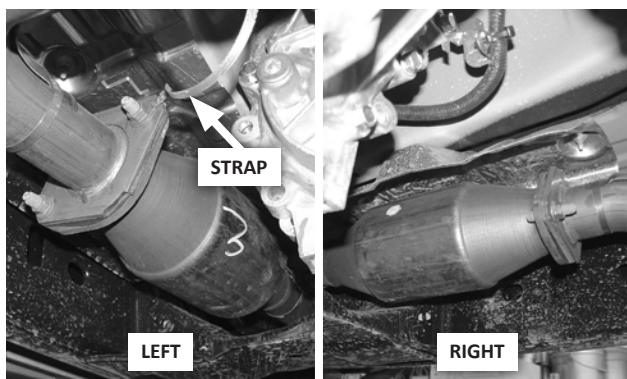
1. **Raise the vehicle** to working height on a lift. If you do not have a lift, securely support the vehicle on jack stands.



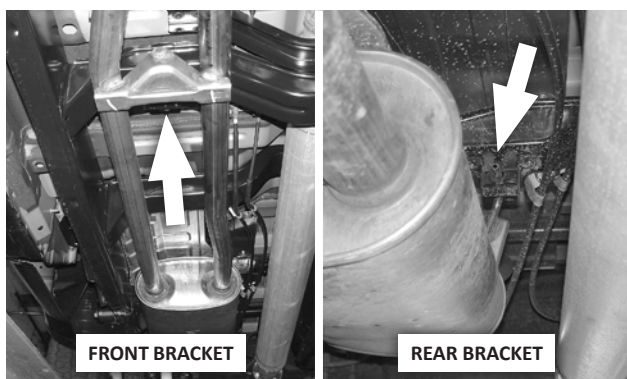
2. **Remove the fasteners from the tailpipe flange** behind the muffler. Support the muffler with a stand.



3. **Slide the tailpipe backwards** to remove it from the muffler, then move it forward to remove it from the rubber hanger.



4. Remove and retain the fasteners and gaskets from the 2 flanges where the head pipes meet the catalytic converters. (One of the fasteners may include a bonding strap.)



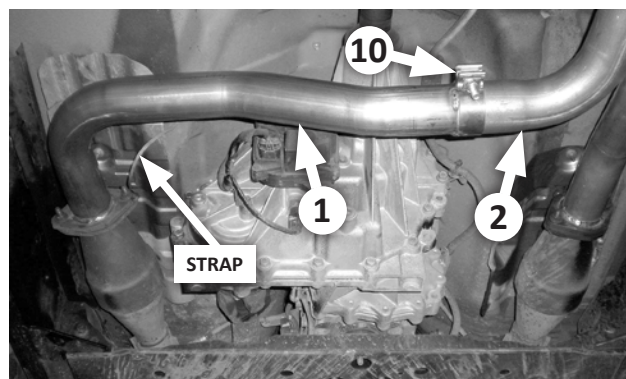
5. Remove and retain the front and rear hanger brackets (and their fasteners) that support the head pipe and muffler assembly. Then remove the assembled muffler and pipe.

INSTALL YOUR FLOWMASTER EXHAUST SYSTEM

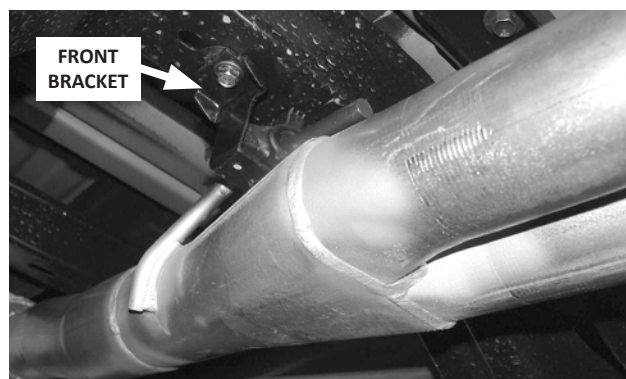


6. Before installing any clamps, remove their nuts, apply anti-seize compound to the bolt threads, and re-install the nuts.

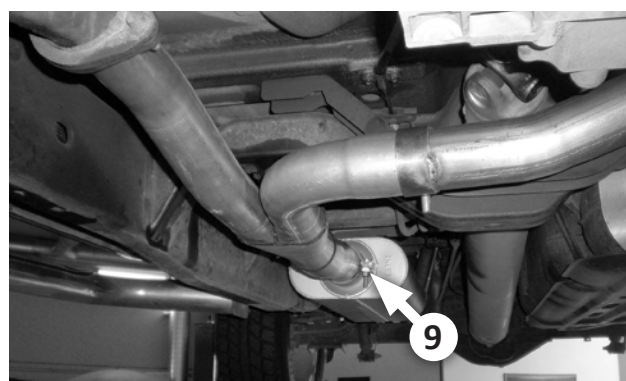
NOTE: All pipe-to-pipe slip-fit connections must seat 3" deep. All pipe-to-muffler connections must seat 2" deep. Mark the male ends of each pipe in advance, to ensure proper insertion during assembly.



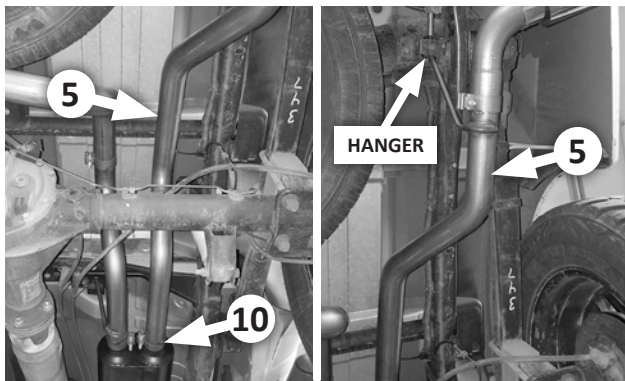
7. Slip a 2-1/2" clamp (10) over the head pipe assembly (2), slip the head pipe assembly over the left head pipe (1), then attach the pipes to the catalytic converter flanges using the stock gaskets and fasteners. (Reattach the bonding strap if applicable.) Snug the clamp slightly (just enough to allow final adjustment later).



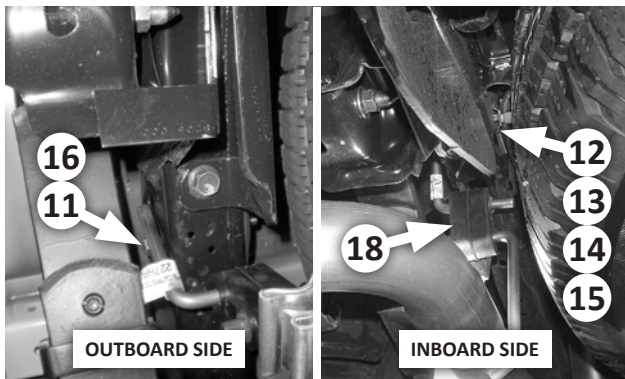
8. Reinstall the front hanger bracket. With the arrow on the bracket pointing forward, slide the bracket onto the head pipe assembly hanger rod, then reattach it to the frame with the stock fasteners.



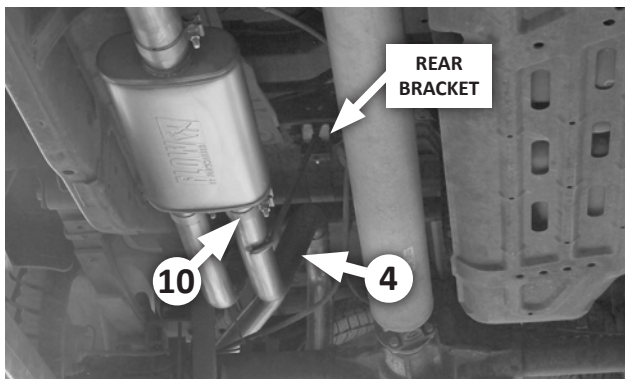
9. Slip the 3" clamp (9) onto the muffler's (3) inlet. Slip the muffler onto the head pipe assembly, support it with a stand, and snug the clamp slightly.



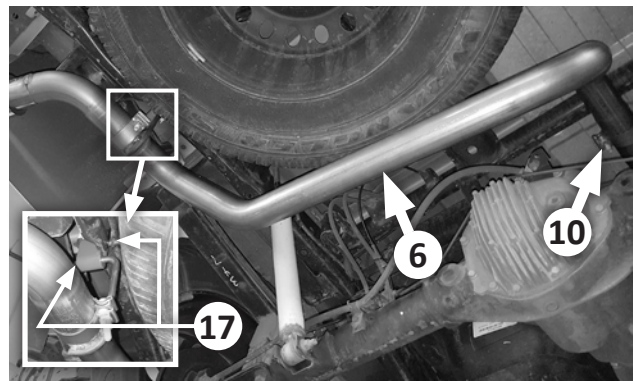
- 10.** Slip a 2-1/2" clamp (10) over the muffler's right outlet. Move the **right over-axle pipe (5)** into place, and slide its hanger rod into the rubber isolator. Then slip the end of the pipe into the muffler's outlet, and snug the clamp slightly.



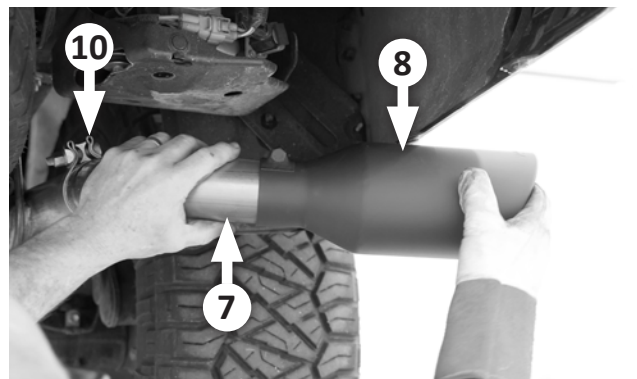
- 11.** On the driver's side rear (toward the rear of the leaf spring, near the spare tire), locate the slotted holes in both sides of the frame. Attach **frame hanger (16)** on the outside of the frame (with its hanger rod pointing inboard), using **bolt (11)** (against the hanger), and **backing plate (12)**, **flat washer (13)**, **lock washer (14)**, and **nut (15)** on the inside of the frame. Lastly, slide **rubber hanger (18)** onto the frame hanger rod.



- 12.** Slip a 2-1/2" clamp (10) over the muffler's left outlet, move the **left over-axle pipe (4)** into place, and slip the end of the pipe into the muffler's outlet. With the arrow on the rear hanger bracket pointing forward, slide it onto the over-axle pipe's hanger rod, then reattach it to the frame with the stock fasteners. Snug the clamp slightly.



- 13.** Slip a 2-1/2" clamp (10) over the front of the left tailpipe (6), and move the pipe into place. Slip it onto the left over-axle pipe, slide its hanger rod into the rubber hanger installed at **Step 11**, and install the two **hanger keepers (17)**. Snug the clamp slightly.



- 14.** Slip a 2-1/2" clamp (10) over each side exit pipe (7), and install each one on its tail pipe. Align each exit pipe as desired, verify 3" of insertion, and snug each clamp slightly. Then install a **tip (8)** on each side exit pipe. Align each tip as desired, and tighten its clamp.
- 15.** **Adjust all components to give 1/2" to 3/4" clearance** (about a finger's width) around them, and allowing for suspension travel and vibration. When you are satisfied with the system's clearance and fit, tighten all clamps.

RECOMMENDED: Tack weld each slip-fit connection (approx. 1" weld) for added security, then paint each weld with high-temp spray paint to protect against corrosion.

Congratulations, the installation of your Flowmaster FlowFX performance exhaust system is complete!

KEEP THESE INSTRUCTIONS FOR FUTURE REFERENCE

Flowmaster maintains a highly-trained technical service department to answer your technical questions, provide additional product information and offer various recommendations.

