



CAT-BACK EXHAUST SYSTEM PART NO. 50301



Fits: 2015-2020 Ford F-150

Engine Size: 2.7L / 3.5L / 5.0L

Cab Size: All Cab Configurations / Bed Size Configurations

Except Will Not Fit Standard Cab with 6.5' Bed



ALLOW VEHICLE TO COOL DOWN BEFORE WORKING ON ANY ENGINE / EXHAUST COMPONENTS.



REMOVE CONTENTS FROM BOX. VERIFY ALL PARTS ARE PRESENT.



READ INSTALLATION INSTRUCTIONS COMPLETELY BEFORE BEGINNING REMOVAL AND INSTALLATION



LIMITED LIFETIME WARRANTY



60-120 min



Cutting May be Required



PPE Kit Recommended



support@trailfx.com



1 866 638 4870

REMOVAL:

1. Allow plenty of time for your vehicle to cool down prior to starting. Exhaust systems reach high temperatures and may cause serious burns. Always wear appropriate safety equipment including goggles and gloves.
2. Read instructions prior to installation. Use a penetrating lubricant and spray the exhaust clamp nuts and all the isolation rubber mounts before removal and re-installation.
3. For easier installation, lay out the exhaust system according to the diagram.
4. Use a vehicle hoist to raise vehicle to proper working height. If a vehicle hoist is not available, raise the vehicle and securely support using jack stands. Use of a jack or stand to support the muffler when removing or installing is recommended.
5. Remove both bolts at the front factory flange. Remove the hangers from the rubber mounts on the vehicle by pulling system towards the rear of the vehicle. Once the hangers are free from the mounts, fully lower the inlet pipe, muffler, front and rear tail pipe down and out towards the front of the vehicle. (IMAGE 1)



IMAGE 1

**INSTALLATION:**

1. Mount rear frame hanger #11 to the frame on the driver's side of the vehicle. Tighten frame hanger using bolt provided #17 with a backing plate #15 along with a flat washer, lock washer and nut. (IMAGE 2)
2. Modification of provided Inlet Pipe #1 and / or use of Extension Pipe #2 is necessary on three cab / bed length configurations:

Regular Cab with 8' bed – necessary to trim 4" from rear of Inlet Pipe #1

SuperCrew with 6.5' bed – must also use Extension Pipe #2 - necessary to trim 6" from rear of Extension Pipe #2

SuperCab with 8' bed – must also use Extension Pipe #2 – no modifications

3. Install the new inlet pipe #1 and re-connect the flanges with the bolts provided #18, along with washers, lock washers, and nuts. Loosely tighten the clamp for possible later adjustments.
4. Install ring clamp hanger #10 over the rear of the inlet pipe and hanger into OEM rubber grommet. (IMAGE #3)
5. Depending on cab and bed size configuration, see STEP #2, connect extension pipe #2 to inlet pipe and muffler using two 3" exhaust clamps. Use a stand to support the muffler. Level muffler and loosely tighten the clamp for possible later adjustments.
6. Slide two clamps onto the muffler outlets. Install left front tailpipe #5 and right front tailpipe #4 over the axle and into the muffler. Insert hangers into OEM rubber grommets. Loosely tighten the clamps for possible later adjustments. (IMAGE 4)

**IMAGE 2****IMAGE 3****IMAGE 4**

**INSTALLATION CONTINUED:**

7. Slide a supplied 3" exhaust clamp over the rear of the left rear tailpipe #6 and slide over and connect to the left front tailpipe #5. Insert hanger into hanger installed in step #1. (IMAGE 5)
8. Slide the supplied 2 1/2" exhaust clamps onto either the side exits pipes #7 or the rear exit pipes #8 onto the ends of both rear tailpipes #4 and #6. Loosely tighten clamps for possible later adjustment.
9. Install both black powder coat tips #9 on the exits pipes and loosely tighten for possible adjustment later. Adjust the tips and pipes to desired clearances and proper position. (IMAGE 6)
10. Make all necessary adjustments for the pipes and muffler for proper clearances. From front to rear fully tighten each clamp until connections are secure.
11. Install supplied hanger keepers onto frame hanger and left tailpipe. (IMAGE 5) Hanger keepers are important to keep the system from shifting and allowing a hanger to come free from holder. (IMAGE 7)

**IMAGE 5****IMAGE 6****IMAGE 7**

Please consider these complementary SpeedFX products.

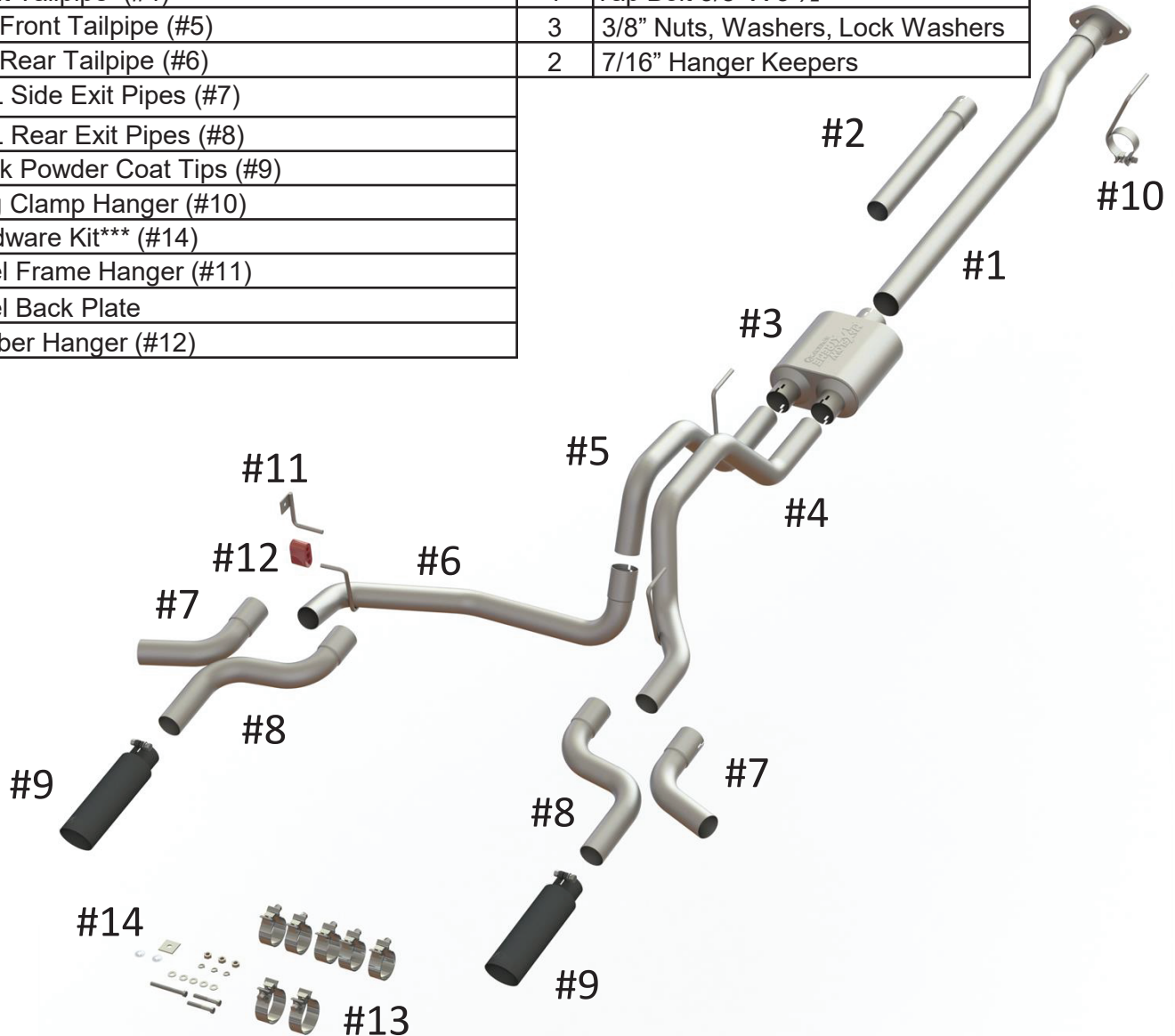
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PARTS LIST:

Qty	Part Description	Qty	Part Description
1	Inlet Pipe (#1)	2	3" Exhaust Clamps (#13)
1	Extension Pipe (#2)	5	2 1/2" Exhaust Clamps (#13)
1	Muffler (#3)	2	Bolt – 3/8" X 2 1/2"
1	Right Tailpipe (#4)	1	Tap Bolt 3/8" X 3 1/2"
1	Left Front Tailpipe (#5)	3	3/8" Nuts, Washers, Lock Washers
1	Left Rear Tailpipe (#6)	2	7/16" Hanger Keepers
2	R / L Side Exit Pipes (#7)		
2	R / L Rear Exit Pipes (#8)		
2	Black Powder Coat Tips (#9)		
1	Ring Clamp Hanger (#10)		
1	Hardware Kit*** (#14)		
1	Steel Frame Hanger (#11)		
1	Steel Back Plate		
1	Rubber Hanger (#12)		



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