

JBA

PERFORMANCE EXHAUST

[913] 808-2376

PERFORMANCE EXHAUST INSTALLATION INSTRUCTIONS

2015-2020 FORD F-150

Engine Displacement: 2.7L • 3.5L • 5.0L

Part Numbers: 30-2551, 40-2551

Wheelbase/Cab Specifications

Reg. Cab, 8' Bed: 141 wb

Super Crew, 5.5' Bed: 145 wb

Supercab, 6.5' Bed: 145 wb

Supercab, 8' Bed: 157 wb

SuperCrew, 6.5' Bed: 164 wb

Installation Instructions and Warranty Information

NOTES: 1) All stainless-steel exhaust systems expand about 1" rearward when exhaust temperature rises. Keep this in mind when mounting components. 2) Use Anti-seize or RTV on the threads. 3) Keep all stock parts aside until you are finished with the new exhaust installation. 4) Keep all clamps, brackets, and hardware to possibly re-use if needed. 5) Be sure vehicle is secure on jack stands, or lift. 6) Wear proper PPE (Personal Protection Equipment) such as goggles and gloves. 7) After installation, drive the vehicle for approx. 100 miles, then get back under and tighten all brackets and clamps as things may shift with heat/cool cycles.

These instructions were written to assist you in the installation of this product. Please read and understand the instructions completely BEFORE beginning the installation

process. By installing your JBA Performance Exhaust System, you indicate you have read and understand this document and agree with the terms below. It is the responsibility of the purchaser to follow all installation instruction guidelines and safety procedures provided with this system. JBA Performance Exhaust, and The Aeromotive Group assumes no responsibility for damages occurring from misuse, abuse, improper installation, improper operation, lack of responsible care, or all previously stated reasons resulting from incompatibility with other manufacturer's product of systems. Included with you JBA Performance Exhaust system is a warranty card. Please read and understand it carefully before you begin work on your vehicle. If you should have any questions regarding our warranty policy, installation or any other matter pertaining to your new JBA Performance Exhaust System, please call the number provided below.

Part Numbers:

30-2551 (304 Stainless Steel)

40-2551 (409 Stainless Steel)

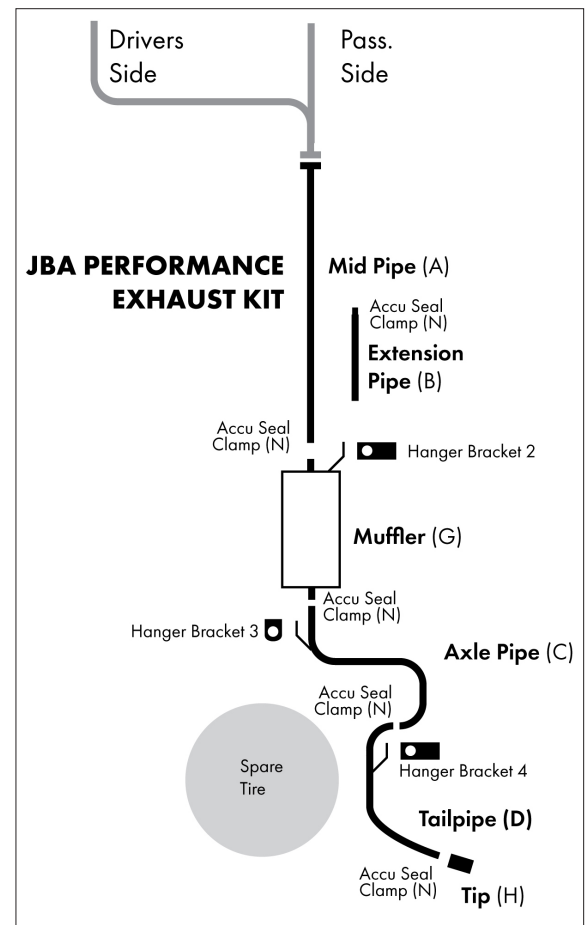
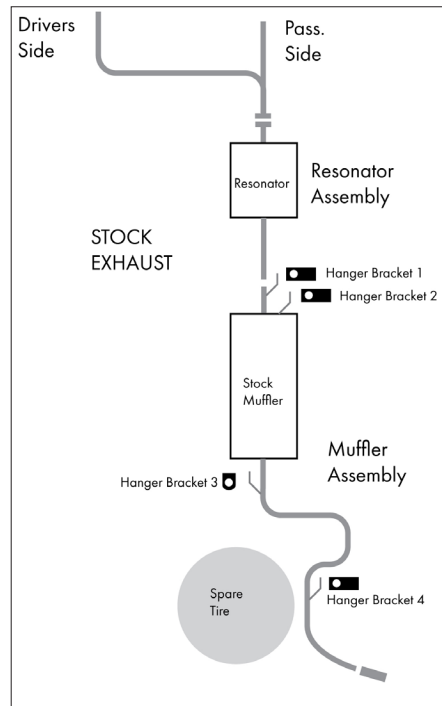
Fitment: **2015-2020 Ford F-150**

PARTS LIST:

- 1 – 3" Mid Pipe (A)
- 1 – 3" Extension Pipe (B)
- 1 – JBA Performance Muffler (G)
- 1 – 3" Axle Pipe (C)
- 1 – 3" Tail Pipe (D)
- 1 – Chrome Exhaust Tip (H)
- 4 – 3" Accu Seal Clamps (N)

Tools Needed:

- 3/8" Drive Socket Wrench
- 10mm socket or box wrench
- 13mm socket or box wrench
- 15mm socket or box wrench
- Torque Wrench
- RTV or Thread Anti-Seize
- Dead blow Hammer
- Silicon Spray or Liquid Soap
- PPE: Safety Glasses, Gloves



Re-use the stock Hanger Brackets except Bracket 1.

Check the box to make sure you received all the parts listed above before starting the removal of the existing exhaust system. If any parts are missing, please call JBA Tech at (913) 808-2376.

Allow the truck to cool completely.

Hot exhaust can and will cause injury including burns.

Use the diagram on the right for your vehicle's proper fitment.

WHEELBASE ACCOMODATIONS				
Cab x Bed	Wheelbase	Item	Description	Modification
Reg. Cab, 8' Bed	141	A	Mid Pipe	Cut 3" from pipe A
Super Crew, 5.5' Bed	145	A	Mid Pipe	No Modifications
SuperCab, 6.5' Bed	145	A	Mid Pipe	No Modifications
SuperCab, 8' Bed	157	A+F+N	Mid Pipe w/Extension	Cut 6" from pipe F
Supercrew, 6.5' Bed	164	A+F+N	Mid Pipe w/Extension	No Modifications

STEP BY STEP STOCK REMOVAL:

Start at the back of the truck.

MUFFLER ASSEMBLY:

1. Start from the back of the truck.
2. Remove the two bolts holding the exhaust Hanger Bracket (diagram part 4) in front of the spare tire.
3. Remove the rubber bracket (diagram part 3) holding the hanger forward of the axle.

PRO-TIP: Mark on the frame where the hangar brackets go. Set them aside, we will use them for the installation.

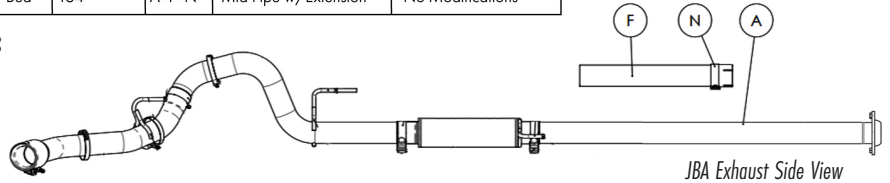
4. Remove the two hanger brackets (diagram parts 1 & 2) from the frame rail in front of the muffler and keep on the hangers. (photo 01)
5. Loosen the clamp holding the muffler assembly to the resonator assembly.
6. Pull the entire unit back and release from the resonator assembly.
7. Remove the hanger brackets from the muffler assembly and set aside.

RESONATOR ASSEMBLY:

8. Unbolt the clamp in front of the resonator to front-pipe assembly.
9. Set aside the hardware for use in installation.
10. Remove resonator assembly.

Note: The stock system uses the tailpipe and over-axle pipe as one piece.

JBA Performance Exhaust has two separate pipes in this application.



STEP BY STEP JBA PERFORMANCE EXHAUST INSTALLATION:

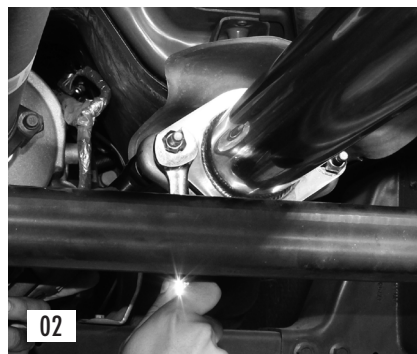
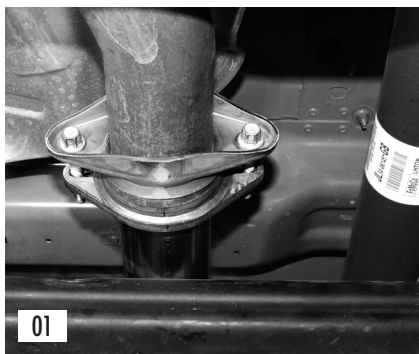
Start from the front of the truck.

PRO-TIP: In the installation, keep all clamps and hardware loose to make minor adjustments as you build. We will tighten everything up after all the components are installed.

1. Install the Mid-Pipe to the front-pipe assembly using the stock hardware. (photos 01, 02)

PRO-TIP: Use a bungy, or rope to hold up pipe parallel to the truck.

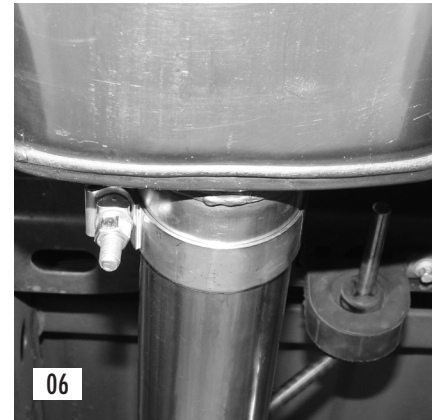
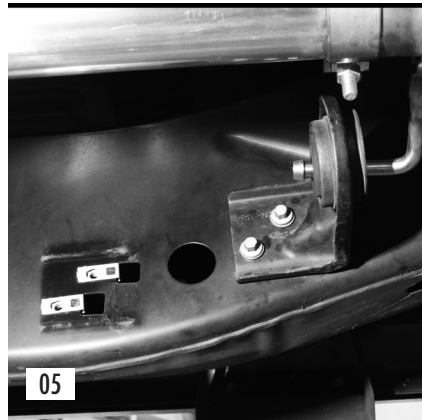
2. Slip on Hanger Bracket (2) from the front of the original muffler to the front hanger of the JBA Muffler. (photo 03)



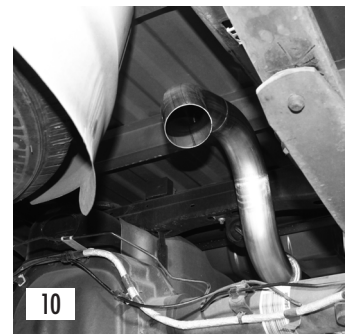
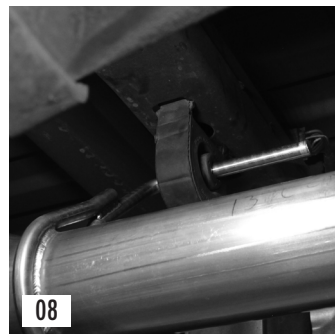
PRO-TIP: When installing the exhaust hangers in the rubber brackets we recommend using a silicon spray or as an alternate, liquid dish soap works well too.

PRO-TIP: When installing the Accu-Seal Clamps, be sure to align the edge of the clamp to the edge of the pipe.

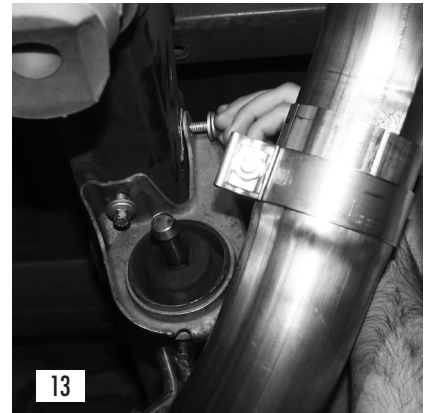
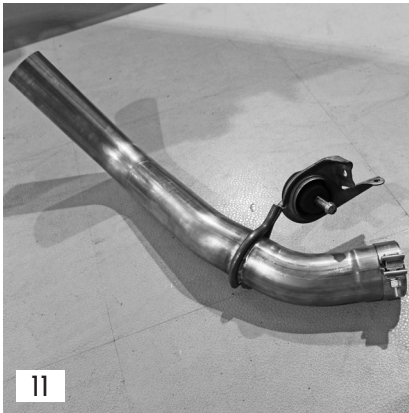
PRO-TIP: When installing the Accu-Seal Clamps, be mindful of where the hardware is facing. 1) Make sure it is easy to get to with a wrench. 2) Its position is not in the way of moving parts or hanging down to interfere with driving, especially when off-road.



3. Slip on one of the Accu-Seal Clamps to the front of the Muffler.
4. Loosely tighten the clamp to the Mid-Pipe. (photo 04)
5. Bolt the Muffler Hanger Bracket (2) to the frame in the rear position. (photo 05)
6. Slip one of the Accu-Seal Clamps to the rear of the Muffler. (photo 06)
7. Slip the Hanger Bracket (3) to the hanger on the Axle Pipe.
8. Route the axle pipe over the axle and slip into the rear of the Muffler. (photo 06)

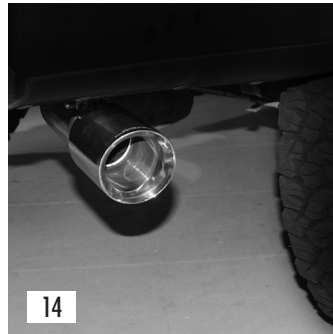


9. Bolt Axle Pipe hanger bracket to frame cross member (photos 07, 08)
10. Loosely tighten the clamp to the Axle-Pipe. (photo 09)
11. Note position of end of Axle Pipe. (photo 10)



INSTALLING TAIL PIPE AND TIP

- 12. Slip the Hanger Bracket (diagram part 4) on the Tailpipe. (photo 11)
- 13. Slip the Accu-Seal Clamp to the front of the Tailpipe. (photo 11)
- 14. Route the Tailpipe along side the spare tire shield and slip over the Axle-Pipe. (photo 12)
- 15. Bolt the Hanger Bracket (4) to the frame in its original position. (photo 13)



Install the JBA Exhaust Tip.

- 16. Attach Accu-Seal Clamp with hardware on TOP of the Tip. (photo 14)
- 17. Slip over the end of the Tailpipe.
- 18. Adjust to visual delight.
- 19. Tighten the clamp per torque specs. (45# for each Accu-Seal Clamp)

INSTALLATION INSPECTION:

- 20. Inspect system for fitment and free from hitting any frame, body or heat shields.
- 21. Tighten all fasteners to manufacturers torque specs. (photos 15, 16)

Drive vehicle and listen for any rattling of the system. After about 100 miles review entire system and tighten where necessary.

NOTE: When you first start your vehicle after installation there may be some smoke and fumes coming from the system. This is normal burning of the protective oils from the manufacturing of mandrel-bent performance exhaust systems by JBA. It will disappear after a short period after the exhaust has reached normal operating temperatures.

WARNING: Do not use impact tools to tighten fasteners. Such tools may cause bent flanges or leaky gasket contact leading to leaks. Torque all fasteners to specifications. We recommend a professional aftermarket installation facility installs this system. If you are installing it, we suggest having a buddy help you and each take proper Undercar Safety Procedures and proper PPE.