



FORD PERFORMANCE

M-5200-FEBS/FECS/FSBS/FSCS/FTBS/FTCS  
Model Year 2021+  
F-150 2.7L/3.5L/5.0L Cat Back Exhaust System Side Exit

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PRIOR TO INSTALLATION READ THESE INSTRUCTION COMPETELY  
For questions, Call the FORD PERFORMANCE Techline 1-800-367-3788

Please visit <https://www.performanceparts.ford.com> for warranty information

## OVERVIEW:

***The use of a floor hoist is recommended for this installation. If you do not have access to one, use a hydraulic floor jack and jack stands to raise the vehicle.***

***!! CAUTION: JACK STANDS MUST BE USED ON A LEVEL SURFACE AND BE SECURELY SEATED. FAILURE TO DO SO MAY RESULT IN PERSONAL INJURY OR VEHICLE DAMAGE! !***

## Base Kit Includes:

<u>Find No.</u>	<u>Qty:</u>	<u>Description</u>
1	1	Front section 145"WB
2	1	S-Pipe
3	1	Mid-Muffler section
4	1	Tailpipe Assy.
5	2	Clamp 2.25"
6	2	Clamp 3.00"
7	1	Heat shield FL3Z-1A484-A
8	2	J-nut N803714-S439
9	2	Bolt W505434-S439
10	1	Band clamp

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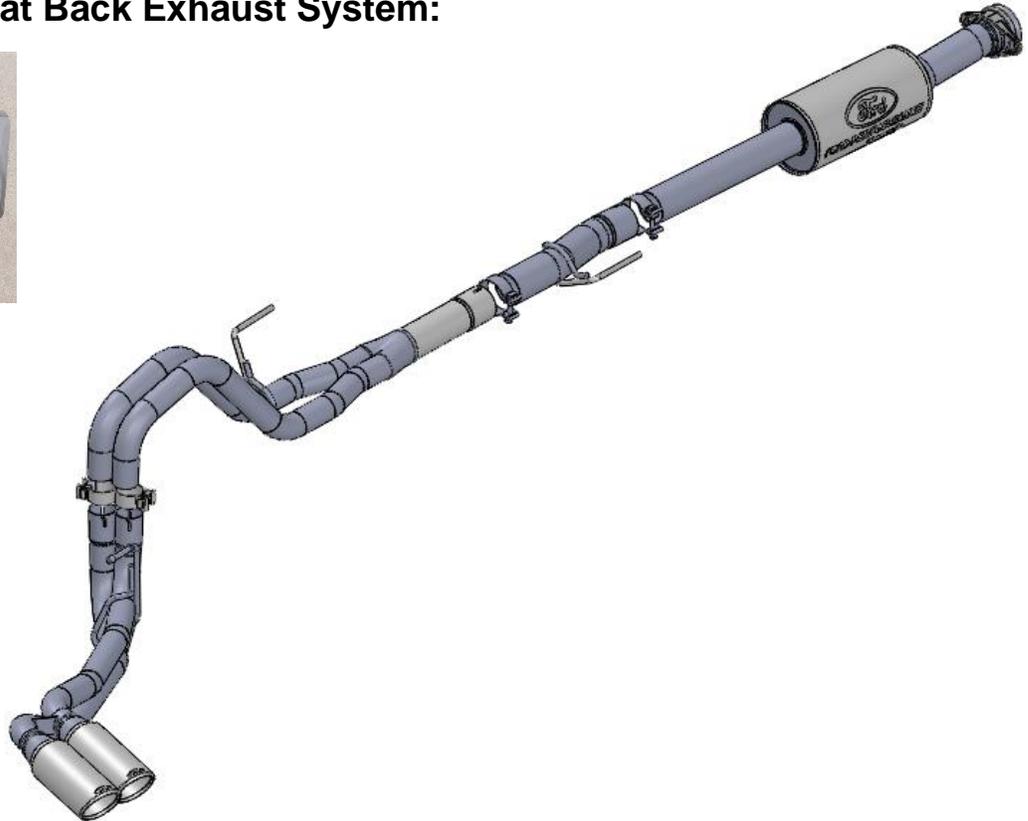


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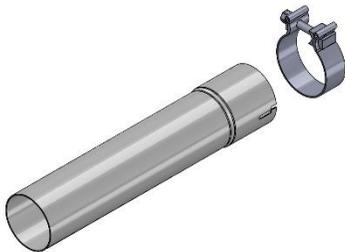
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**Image of Extreme Cat Back Exhaust System:**



**Extension Pipe sold separately:  
Part Number M-5248-FEXT for 157" wheelbase**



**Note:**

- 1. Determine the wheel base of your 2021 F-150.**
- 2. Immediately inventory your kit to ensure all of the necessary parts are included.**

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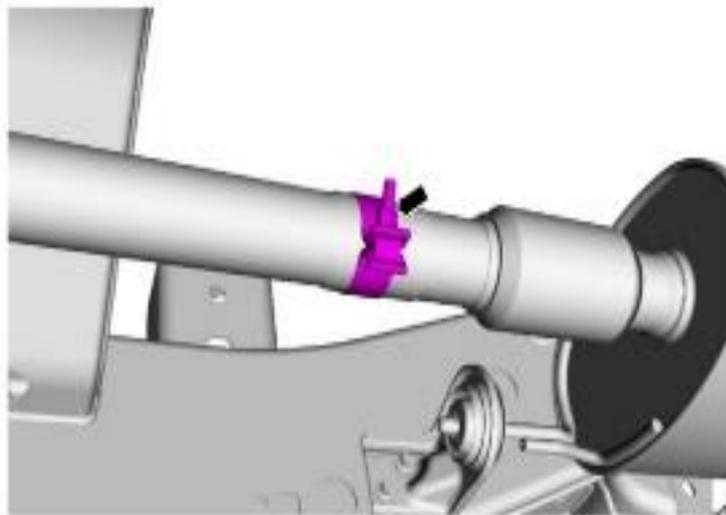
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## REMOVAL INSTRUCTIONS:

**STEP 1:** With the vehicle in NEUTRAL, position it on a hoist.

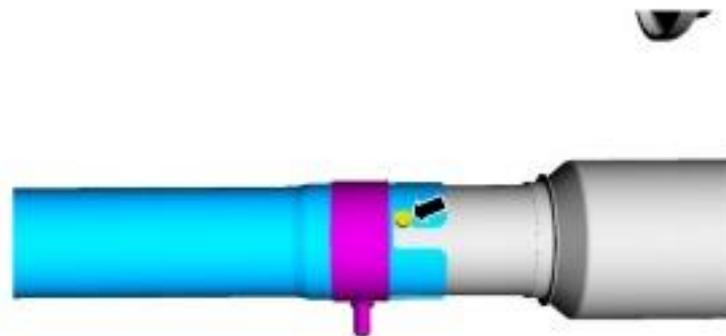
**STEP 2:** Loosen the clamp.

*Torque: 35 lb.ft (48 Nm)*



E1P12

**STEP 3:** Release the locator tab out of the muffler inlet pipe.



E1P17

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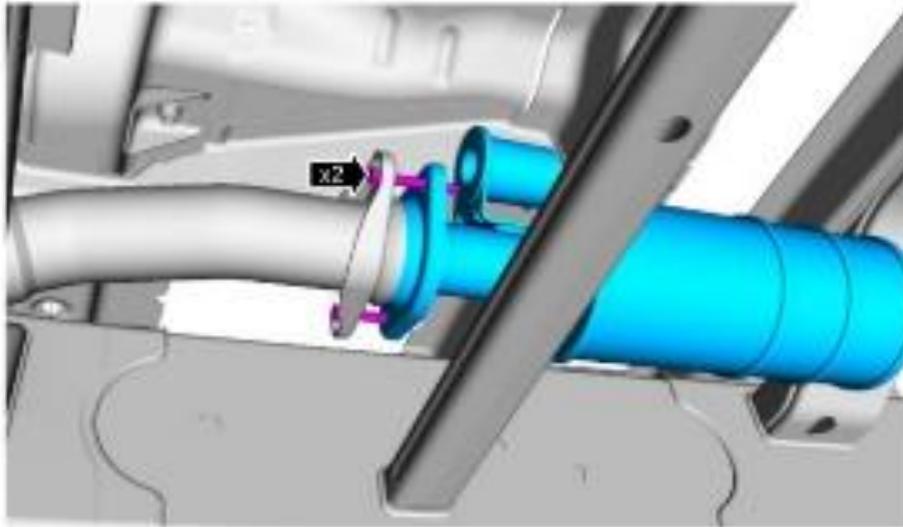
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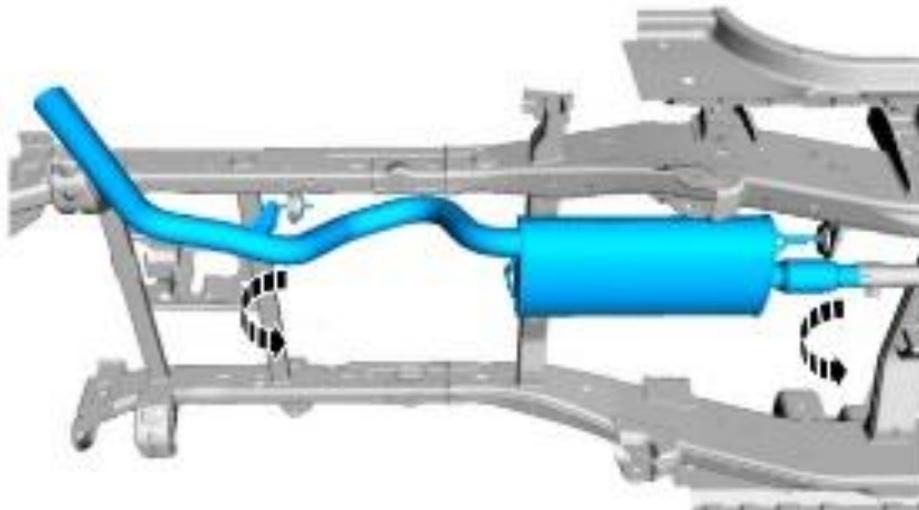
**STEP 4: Remove the bolts and the muffler inlet pipe.**

*Torque: 30 lb.ft (40 Nm)*



ETP-316

**STEP 5: Slide the muffler and tailpipe rearward out of the isolators and then forward to remove.**



ETP-316

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## INSTALLATION INSTRUCTIONS:

**STEP 1: Install the front muffler loosely.**



**STEP 2: Install the proper “Mid Pipe” for your wheel base. Be sure to slip a clamp onto the pipe, clamp to be tighten later.**



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**STEP 3: Install the short “S” pipe with hanger and clamp.**



**Step 4: Place clamp over mid-muffler inlet and install. First place tailpipes over rear axle, then slide expanded inlet over the s-pipe and the hanger into the rubber isolator.**



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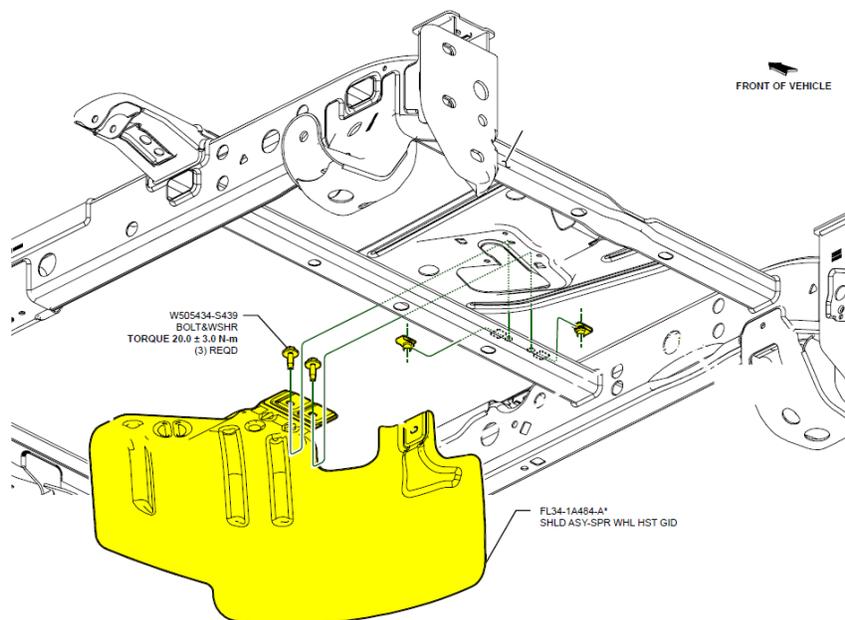
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**Step 5:** Using a 15mm socket snug the exhaust clamps that are installed to this point. Position the clamp bolts to the top of the pipes to avoid the potential ground clearance issues. Ensure the mid-muffler is positioned in a way that it sits parallel to the bottom of the truck.



**Step 6:** Heat Shield installation. Drop the spare tire per the vehicle owner's manual instructions. Place the (2) J-nuts into the square holes on top of the cross-frame rail. Work the lip of the heat shield over the frame rail. Attach with (2) bolts provided. Using a 13mm socket torque to 20 N.m (15 ft-lb).



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Using the band clamp provided, secure the side of the heat shield to the frame rail.



Put the spare tire back into proper position.

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**Step 7:** Using a 10mm socket, loosen the top bolt and remove the bottom bolt in the factory hanger bracket so it can be swung for the tailpipe installation.



**Step 8:** Slide (2) 2.25" clamps over the muffler outlet pipes. Work the tailpipe assembly past the spare tire and suspension, then onto the muffler outlet pipes. Push the factory rubber isolator onto the tailpipe hanger, then push the rearward hanger through the factory rubber isolator. Replace the rubber isolator bolts and torque to 30 N.m (22 ft-lbs). Slide clamps into proper position on the joints, then snug, do not tighten.



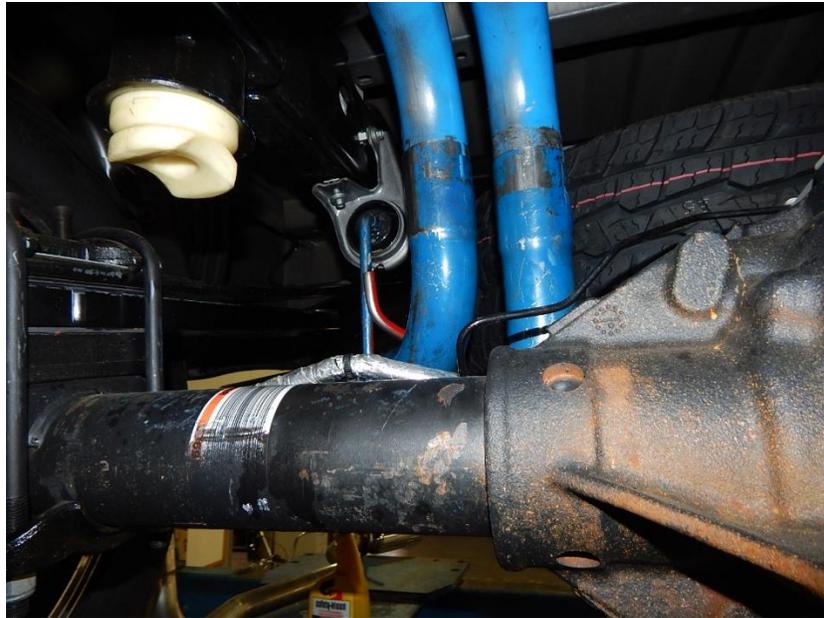
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**Step 7. Adjust tips to side of truck, with minimum 1/2' gap on top of the tips.**



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**Step 8:** Once you are satisfied with your fitment torque all clamps to 48 N.m. (35 lb-ft)



*Note: When you first start your vehicle after the installation of your new Ford Performance Parts Exhaust System, there may be some smoke and fumes coming from the system. This is a protective water based coating used in the manufacturing of mandrel bent performance exhaust tubing. This is not a problem and will disappear within a very short period of time after the exhaust has reached operating temperatures.*

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