



FORD PERFORMANCE

M-5200-FEBR/FECR/FSBR/FSCR/FTBR/FTCR
Model Year 2021+
F-150 5.0L/3.5L/2.7L Cat Back Exhaust System Rear 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	Crossover pipe
5	1	L/H tailpipe
6	1	R/H tailpipe
7	2	Hanger Brackets
8	2	Rubber Isolators
9	3	Clamp 2.25"
10	2	Clamp 3.00"
11	1	Insulation wrap

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Image of New Touring Cat Back Exhaust System 145" Wheel Base:

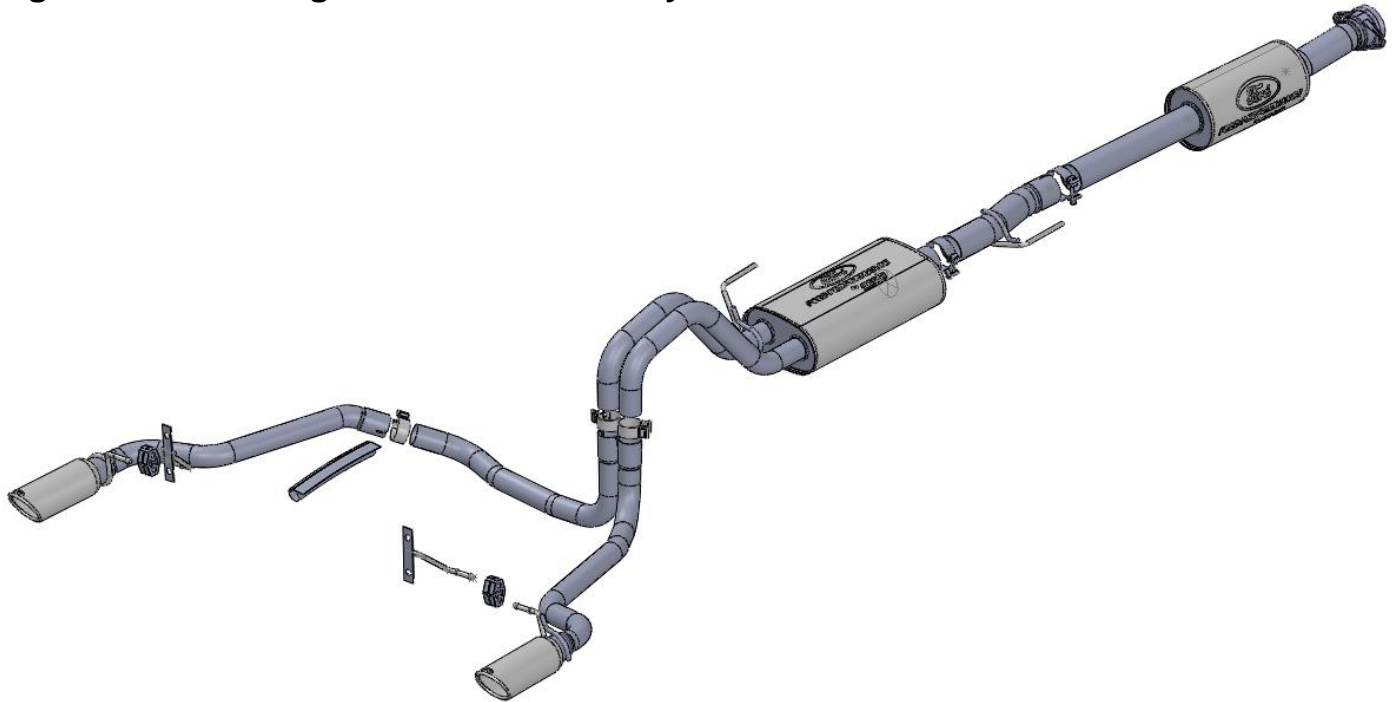
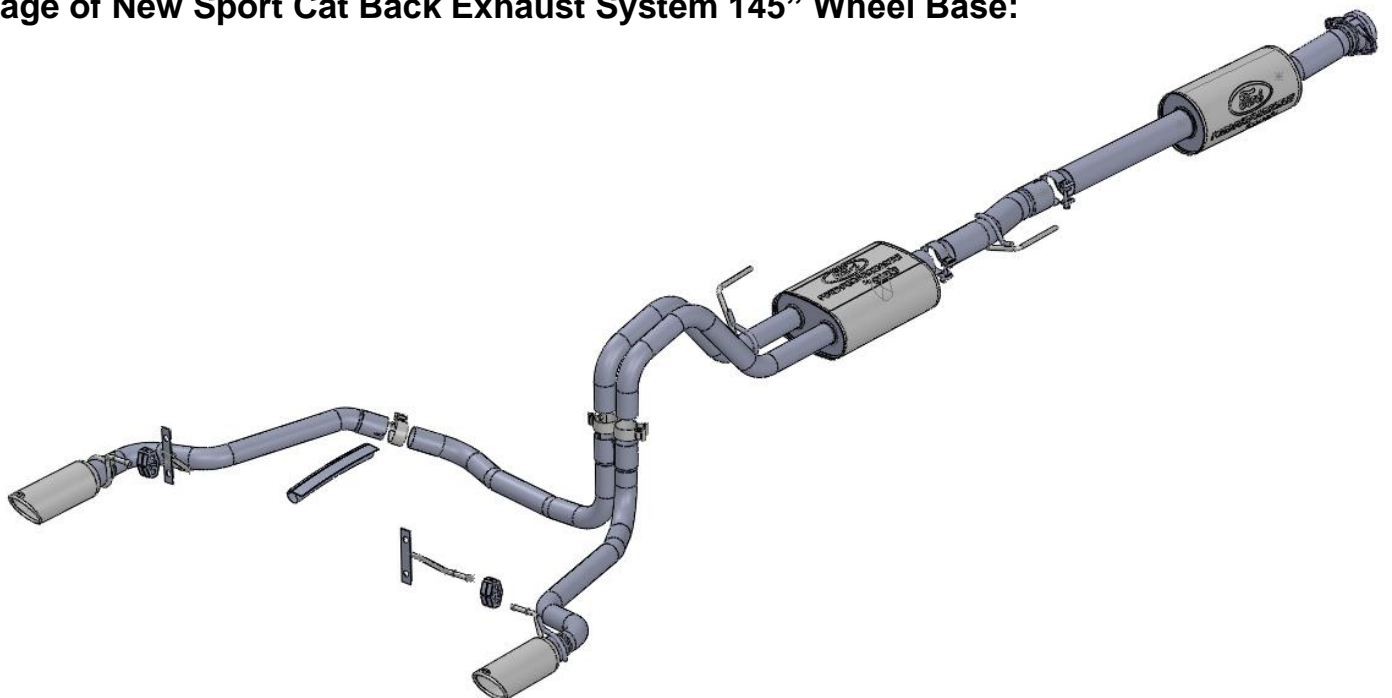


Image of New Sport Cat Back Exhaust System 145" Wheel Base:



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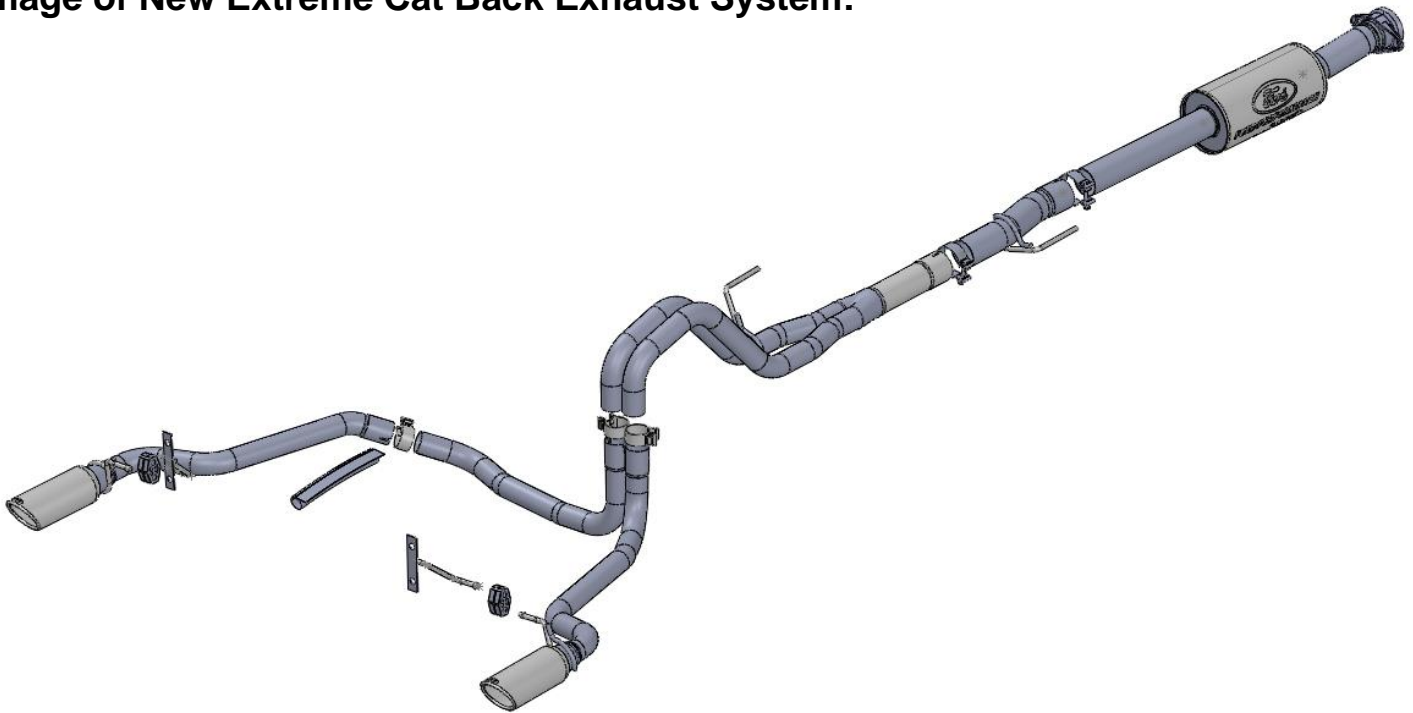


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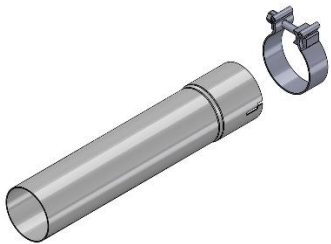
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Image of New Extreme Cat Back Exhaust System:



**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.**
- 3. Sport systems have a smaller mid-muffler.**

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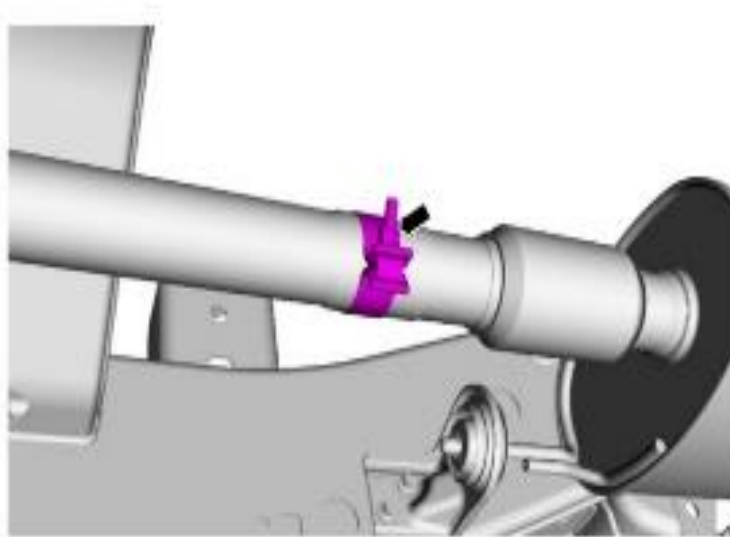
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REMOVAL INSTRUCTIONS:

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

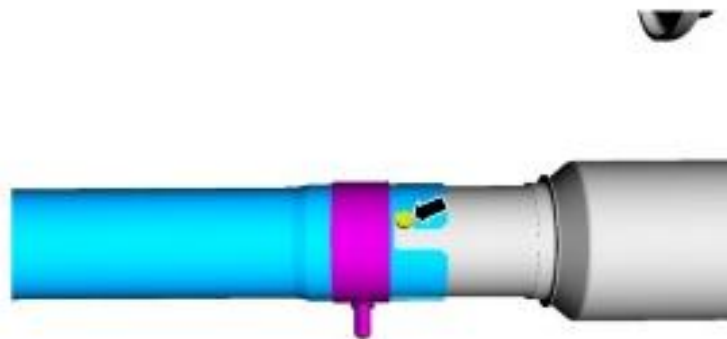
STEP 2: Loosen the clamp.

Torque: 35 lb.ft (48 Nm)



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



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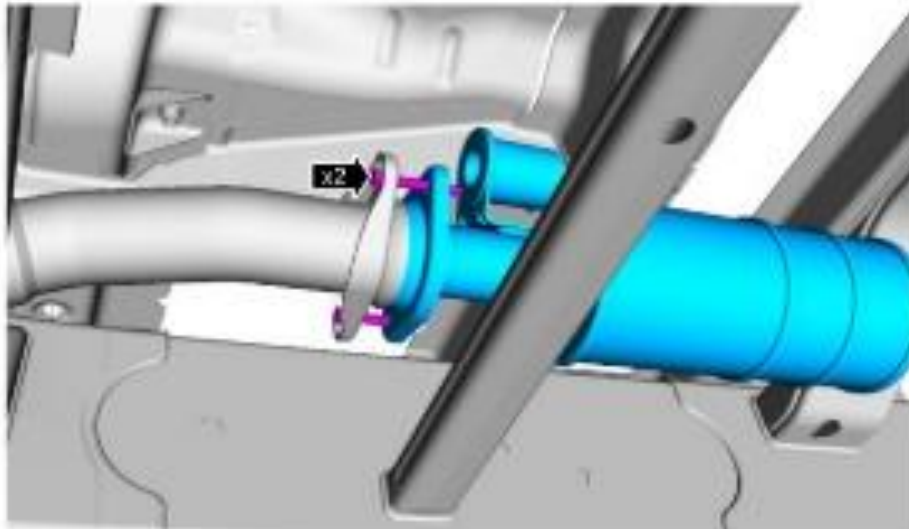
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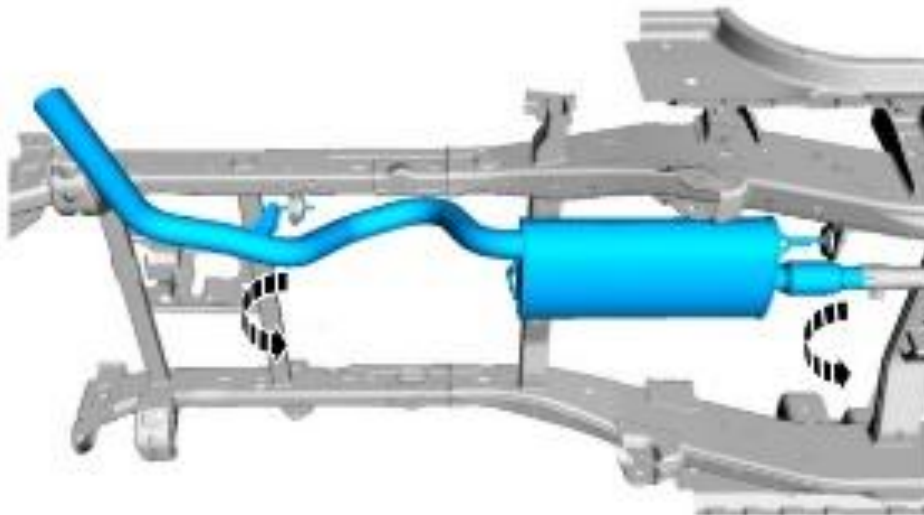
STEP 4: Remove the bolts and the muffler inlet pipe.

Torque: 30 lb.ft (40 Nm)



STEP4

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



STEP5

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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. Hanger to the rear of vehicle.



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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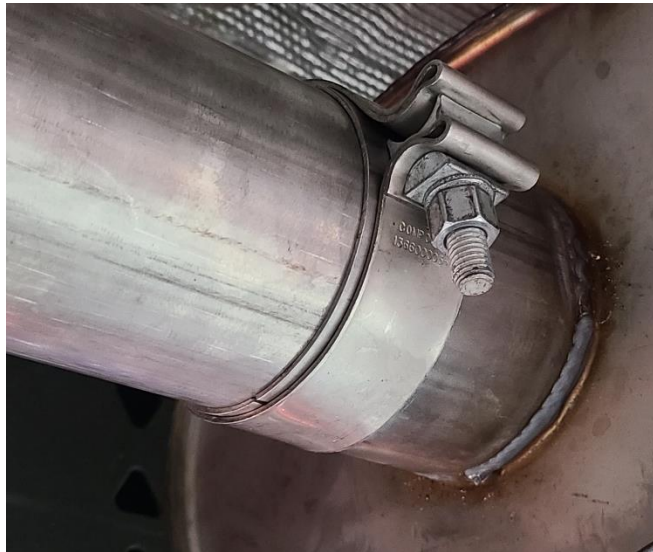


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Step 5: Using a 15mm socket snug the exhaust clamps that are installed to this point. Position the clamps to the edge (+1/16") of the slip-joint with bolts positioned to avoid potential ground clearance issues. Also, the "hour-glass" of the clamp should not be over the notch. The mid-muffler needs to be positioned in a way that it sits parallel to the bottom of the truck.



Step 6: Install the flex heat shield provided around brake line.



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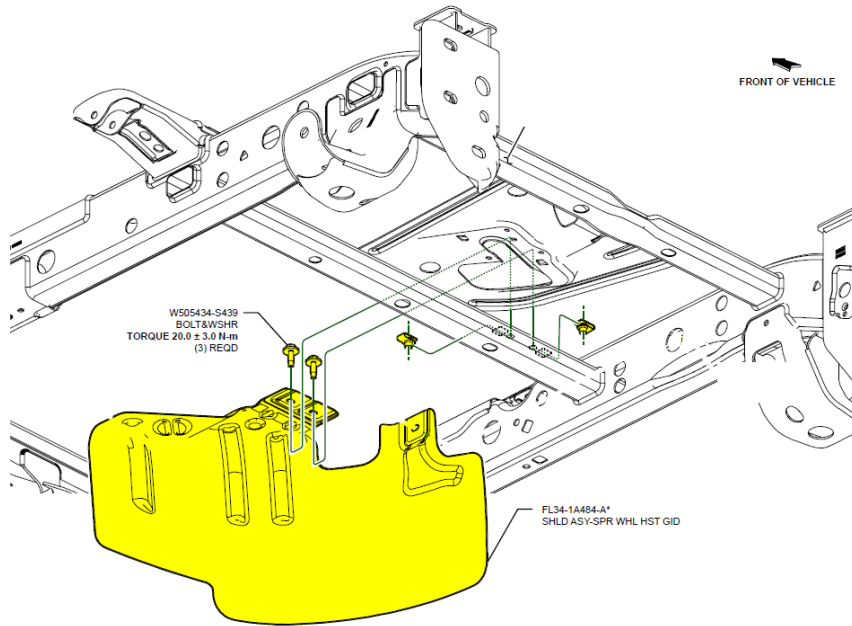


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Step 7: Heat Shield installation. Drop the spare tire per the vehicle owner's manual instructions. Place the (2) J-nuts into the square holes on top of the cross-frame rail. Work the lip of the heat shield over the frame rail. Attach with (2) bolts provided. Using a 13mm socket torque to 20 N.m (15 ft-lb).



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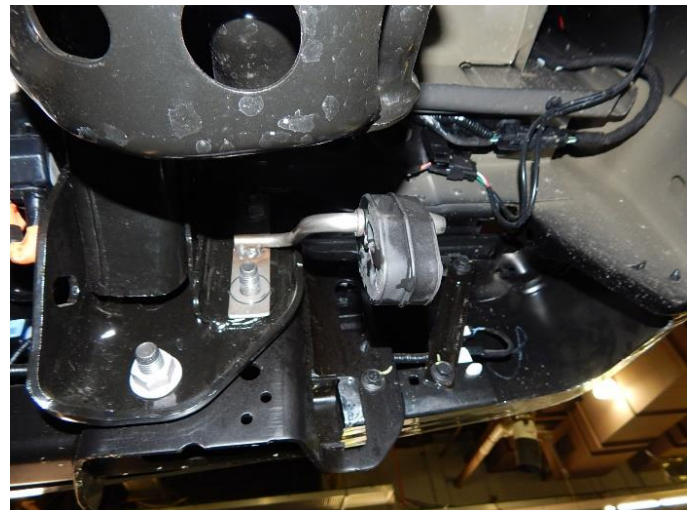
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Using the band clamp provided, secure the side of the heat shield to the frame rail.



Put the spare tire back into proper position.

Step 8: From your kit find the Brackets with isolators. These will be installed onto the rear bumper mounts. Once installed be sure to torque the shackle bolts to 235 Nm (173 lb-ft)



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Step 9: Install driver's side cross-over pipe and tail pipe. Slide the clamps over the pipes prior to installing. Insert hanger into rubber Isolator provided with kit. Do not tighten the clamps.



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Step 10: Slide a clamp over the expanded inlet of the passenger side tail pipe assembly. slide onto the passenger side over-axle pipe, then insert the hanger into the rubber isolator. Do not tighten clamp.



Maintain minimum 25mm gap to heat shield



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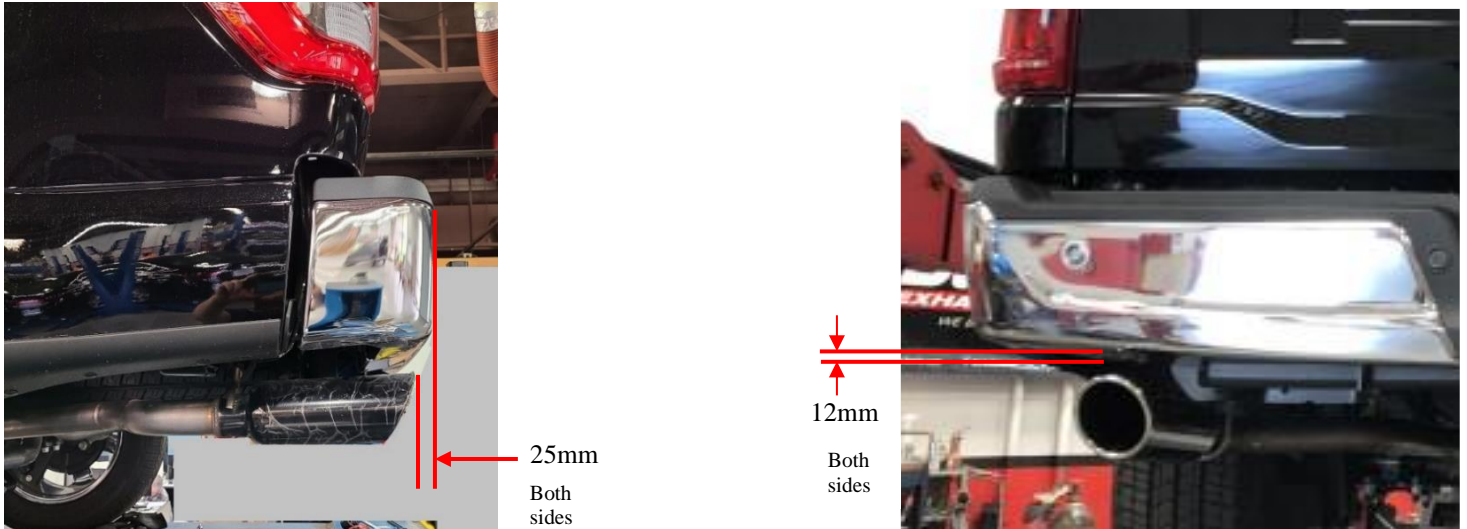


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Step 11: Align the tips to bumper and snug the clamps. The clearance between the tips and the bumper should be approximately $\frac{1}{2}$ ", and should set in from the outermost edge of the bumper by approximately 1" (see picture above).



Step 12: Once you are satisfied with your fitment, check for clearance to all body and vehicle components, especially the spare tire heat shield and wiring around the rear axle. 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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