STILLEN®

INSTALLATION INSTRUCTIONS



2021+ FORD F-150

STILLEN CAT-BACK EXHAUST: PART#: 509360/509361/509362

WHAT'S IN THE BOX (FULL CAT-BACK)

5PC CAT-BACK EXHAUST

1x EXHAUST TIP w/ CLAMP

4x 3" CLAMP

STILLEN OFF-ROAD SERIES EXHAUST

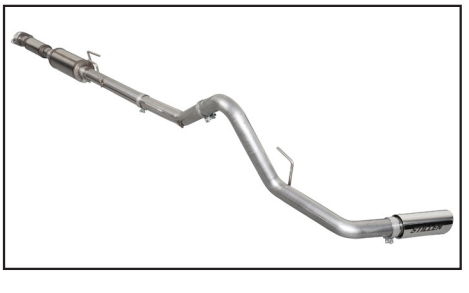
3PC OFF-ROAD EXHAUST

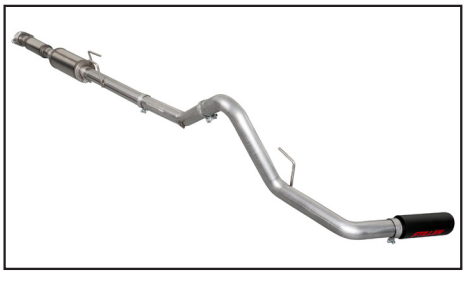
2x 3" CLAMP

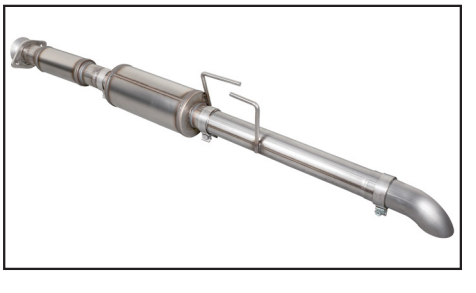
1x STLLEN TIP (DUMP) w/ CLAMP

TOOLS NEEDED:

- **ASSORTED SOCKETS AND WRENCHES**
- **13MM SOCKET**
- **WD-40**
- **TORQUE TO 65 LB-FT**







WE RECOMMEND LAYING OUT THE STILLEN EXHAUST ON THE GROUND TO HELP IDENTIFY EACH PIECE AND WHERE IT GOES DURING INSTALLATION.

WARNING:

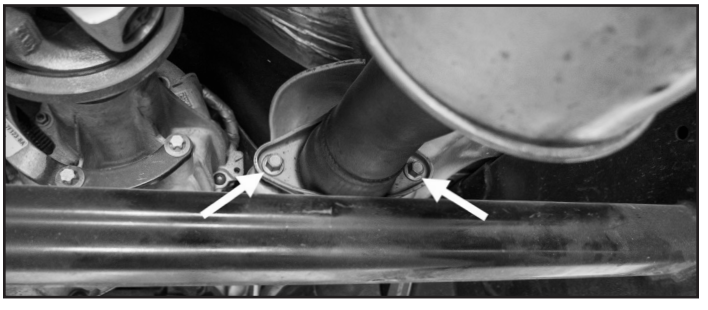
IF YOU ARE NOT EXPERIENCED IN THE AREA OF AUTOMOTIVE MECHANICS WE STRONGLY URGE THAT YOU REFER THIS INSTALLATION TO A PROFESSIONAL MECHANIC.

3176 AIRWAY AVE.
COSTA MESA, CA 92626

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1. LIFT THE TRUCK USING A JACK AND SECURE IT WITH JACK STANDS. WEAR SAFETY GLASSES, FOLLOW ALL SAFETY PRECAUTIONS, AND SPRAY LUBRICANT ON THE EXHAUST HANGERS AND BOLTS TO MAKE REMOVAL EASIER.

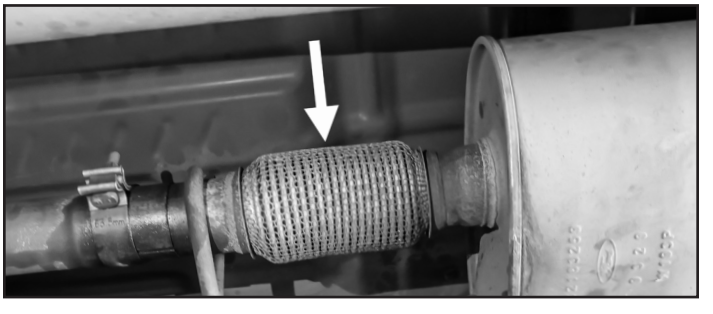
CAUTION: NEVER WORK UNDER A VEHICLE THAT IS ONLY SUPPORTED BY A JACK! ALWAYS USE JACK STANDS FOR SAFETY.



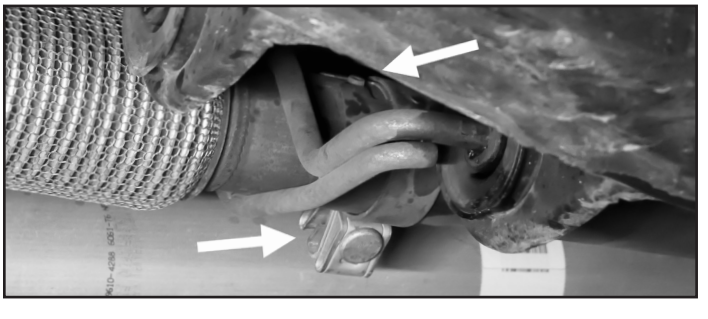
2. USE A 13MM SOCKET TO REMOVE THE TWO NUTS AND BOLTS SECURING THE FACTORY FLANGE JUST AFTER THE CATALYTIC CONVERTERS. KEEP THE HARDWARE, AS YOU WILL REUSE THEM.

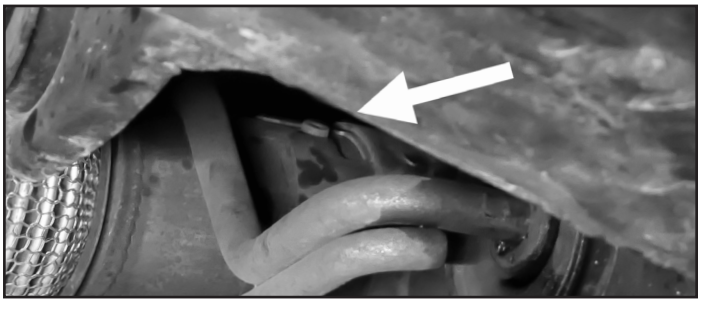
TO REMOVE THE FACTORY EXHAUST, YOU HAVE TWO OPTIONS: 3A AND 3B





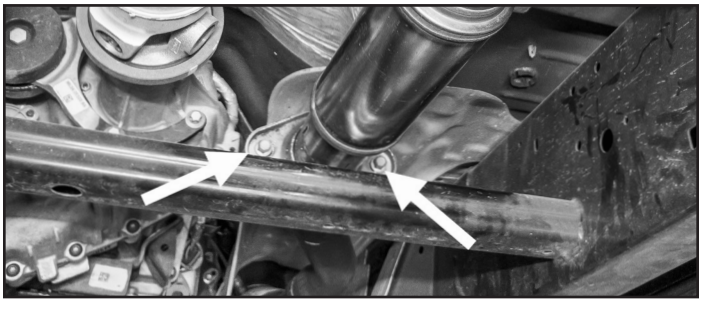
3A. DISCONNECT ALL EXHAUST HANGERS FROM THE RUBBER ISOLATORS. SUPPORT THE EXHAUST WITH A STAND OR HAVE AN ASSISTANT HELP LOWER THE SYSTEM. CAREFULLY LOWER AND REMOVE THE COMPLETE FACTORY EXHAUST FROM THE VEHICLE. IF NEEDED, GENTLY FLEX THE BRAIDED EXHAUST SECTION TO AID IN REMOVAL.



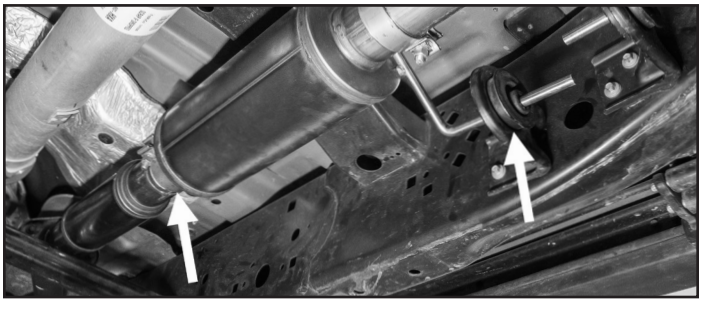


3B. TO SAFELY REMOVE THE FACTORY EXHAUST, FIRST LOOSEN THE CLAMP BETWEEN THE FRONT PIPE\RESONATOR AND MUFFLER, THEN ROTATE THE FRONT PIPE\RESONATOR CLOCKWISE TO RELEASE THE LOCKING TAB AND REMOVE THE FRONT PIPE\RESONATOR. DISCONNECT ALL HANGERS AND REMOVE THE EXHAUST IN TWO SECTIONS.

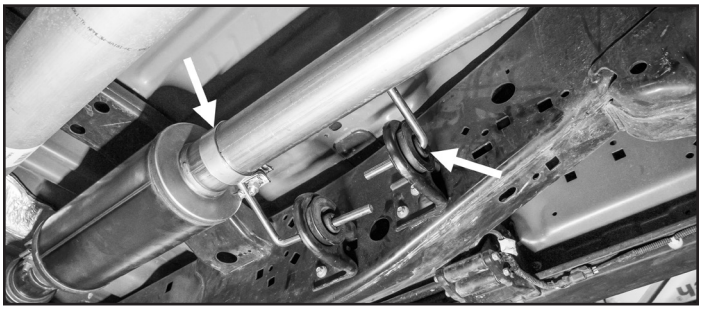
NOTE: YOU MAY NEED TO JACK UP THE CHASSIS FOR BETTER CLEARANCE TO REMOVE THE EXIT PIPE/TIP.



4. BEGIN INSTALLING THE STILLEN EXHAUST BY BOLTING THE FRONT PIPE/RESONATOR TO THE FACTORY FLANGE USING THE ORIGINAL HARDWARE. LEAVE THE HARDWARE HAND-TIGHT FOR NOW.

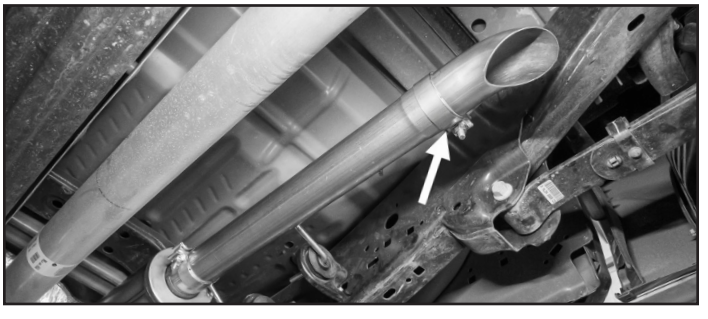


5. INSERT THE MUFFLER HANGER INTO THE FACTORY RUBBER ISOLATOR. SLIDE A 3” CLAMP OVER THE MUFFLER INLET AND CONNECT IT TO THE FRONT PIPE/RESONATOR. DO NOT FULLY TIGHTEN THE CLAMP YET.



6. INSERT THE MID-PIPE HANGER INTO THE CORRESPONDING RUBBER ISOLATOR. SLIDE A 3" CLAMP OVER THE MUFFLER OUTLET AND CONNECT THE MID-PIPE. LEAVE THE CLAMP LOOSE.

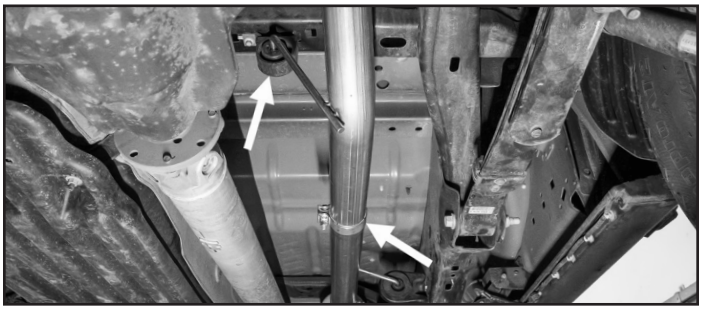
NOTE: IF YOU PURCHASED THE OFF-ROAD SERIES EXHAUST, STEPS 7 AND 8 ARE THE FINAL STEPS TO COMPLETING THE INSTALLATION. IF YOU PURCHASED THE STILLEN CAT-BACK EXHAUST SYSTEM, SKIP AHEAD TO STEP 9.



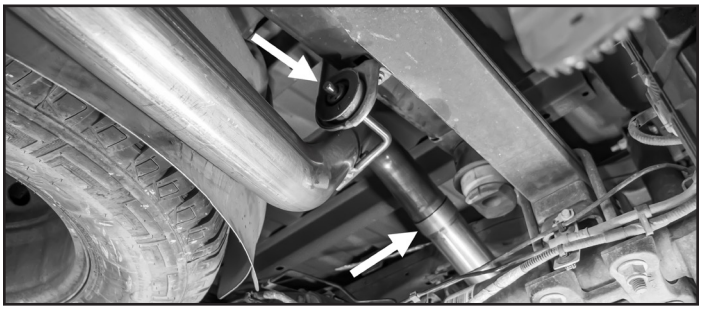
7. SLIDE A 3" CLAMP ONTO THE OFF-ROAD SERIES TIP AND INSTALL THE TIP ONTO THE END OF THE MID-PIPE. LEAVE THE CLAMP LOOSE.



8. ALIGN THE STILLEN OFF-ROAD SERIES EXHAUST AS DESIRED, THEN TIGHTEN ALL BOLTS AND CLAMPS TO 65 LB-FT OF TORQUE.



9. INSERT THE HANGER OF THE PRE-OVER-AXLE PIPE INTO THE CORRECT RUBBER ISOLATOR. SLIDE A 3" CLAMP ONTO THE END OF THE MID-PIPE AND INSTALL THE PRE-OVER-AXLE PIPE. DO NOT TIGHTEN THE CLAMP YET.



10. INSERT THE HANGER ON THE MAIN OVER-AXLE PIPE INTO ITS RUBBER ISOLATOR. SLIDE A 3" CLAMP ONTO THE PIPE AND CONNECT IT TO THE SHORT OVER-AXLE PIPE. LEAVE THE CLAMP LOOSE.



11. ATTACH THE EXHAUST TIP TO THE END OF THE OVER-AXLE PIPE. ADJUST THE TIP FOR PROPER ALIGNMENT AND TIGHTEN THE CLAMP.

12. CHECK THAT ALL HANGERS ARE FULLY SEATED IN THE ISOLATORS AND THE SYSTEM FITS PROPERLY. STARTING FROM THE FRONT, TIGHTEN ALL CLAMPS AND BOLTS TO 65 LB-FT. MAKE SURE THERE'S ENOUGH CLEARANCE AROUND THE SPARE TIRE, BRAKE AND FUEL LINES, AND WIRING—ADJUST IF NEEDED.