

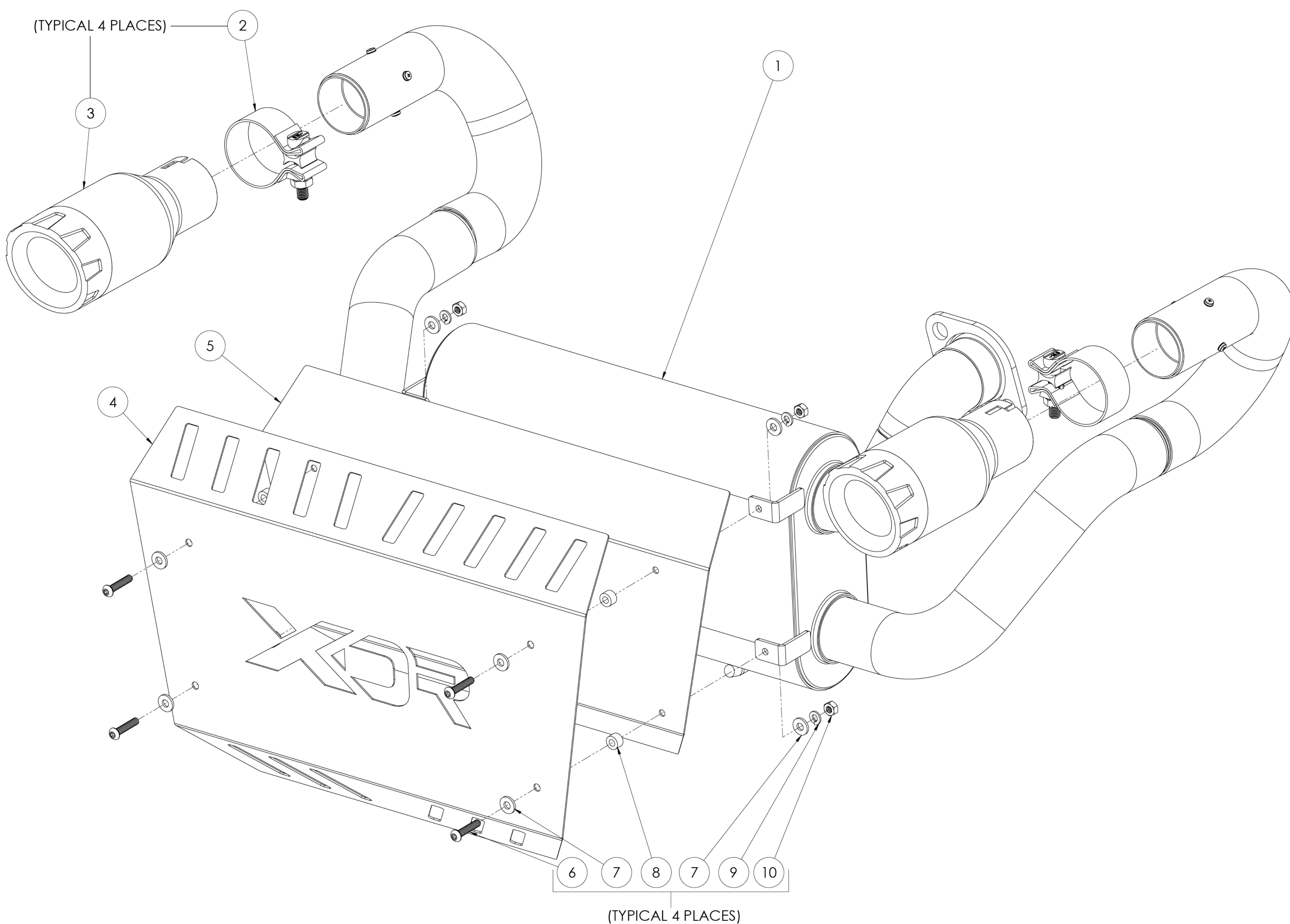


# Installation Instructions:

# 7520

## XDR COMPETITION EXHAUST

### 2016-18 Polaris RZR S 1000 UTV

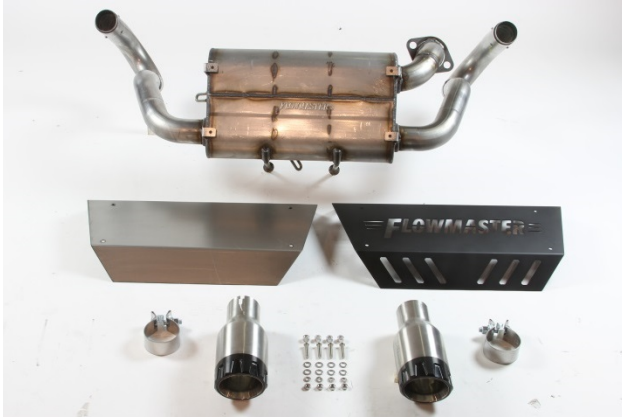


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	842583-456	MUFFLER, AXLE BACK, POLARIS RZR S 1000	1
2	MC225BS	CLAMP, 2-1/4" STAINLESS	2
3	ST473	EXHAUST TIP, BRUSHED BODY/ BLACK END 3-1/2" × 2-1/4"	2
4	HS119	HEATSHIELD, POLARIS RZR S 1000	1
5	HS120	BACKER, HEATSHIELD , POLARIS RZR S 1000	1
6	HW251	SCREW, 1/4"-20 × 1-1/4"	4
7	HW333	FLAT WASHER, 1/4"	8
8	HW520	SPACER, 1/2" O.D. × 1/4" I.D. × 5/16" L	4
9	HW332	LOCK WASHER, 1/4"	4
10	HW124	NUT , 1/4"-20	4

## REVIEW THE INSTRUCTIONS AND VERIFY THE KIT CONTENTS:

This exhaust system is intended for closed course competition use only, and is not legal for use on public highways or trail systems.

1. Please take a moment to read and understand these instructions before installing your Competition Exhaust System.



2. Use the parts drawing and list (front page) to verify your kit's contents. In the unlikely event that any parts are missing, please contact Flowmaster Technical Support for replacements.

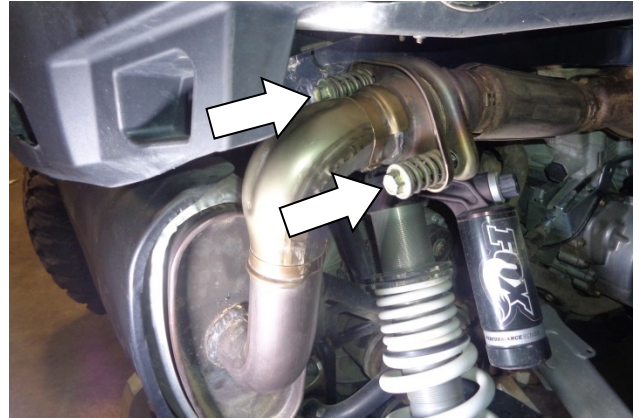
## REMOVE THE FACTORY EXHAUST SYSTEM:

### WARNING

**Avoid serious burns!** Allow the exhaust system to cool completely before removing the factory exhaust system.



3. To prevent seizing of the exhaust flange bolts during removal, apply penetrating oil or anti-seize compound to the exposed threads.



4. Remove the flange bolts.



5. Use a spring puller to release the two muffler mount springs.



6. Pull the muffler from the two hangers to remove it from the vehicle.





7. Inspect the lead gasket on the end of the exhaust pipe for serviceability. Replace if required.

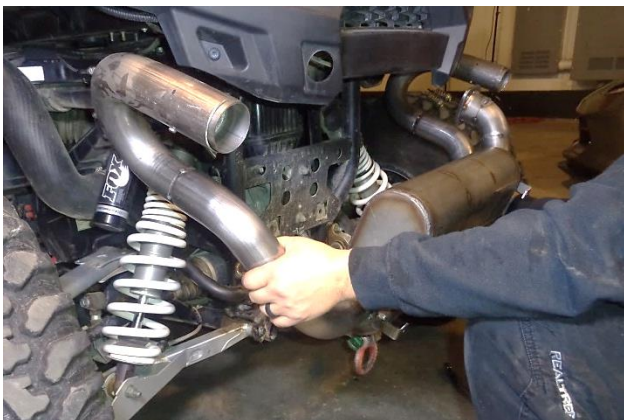


9. Use a spring puller to connect the two muffler mount springs to the new muffler.

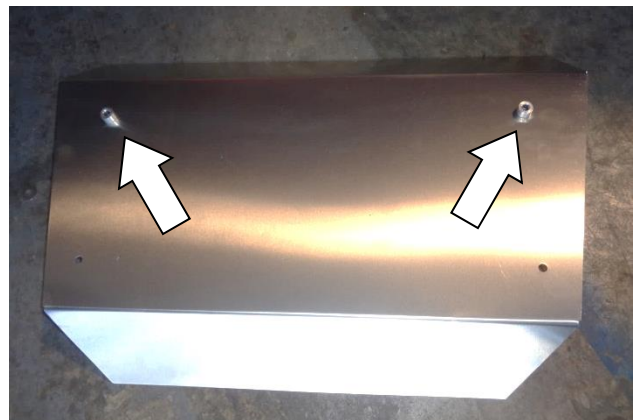


10. Apply anti-seize compound to the two flange bolts, install them, and tighten them down evenly.

### ASSEMBLE AND INSTALL YOUR XDR OFF-ROAD COMPETITION EXHAUST:



8. Install the new muffler (item 1) by pushing the two hanger rods into the rubber mounts. Ensure proper alignment of the exhaust pipe and muffler flange.



11. Place the heat shield backer (5) on a bench or other flat surface. Place spacers (8) over the top two holes.





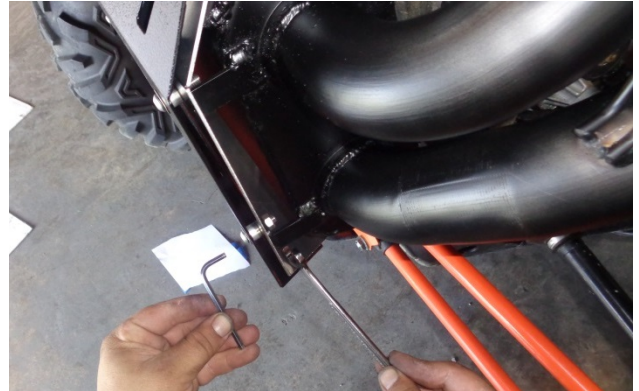
12. Place the heat shield (4) over the spacers and place flat washers (7) over the top two holes. Align the backer, spacer and the shield holes, and insert screws (6) in them.



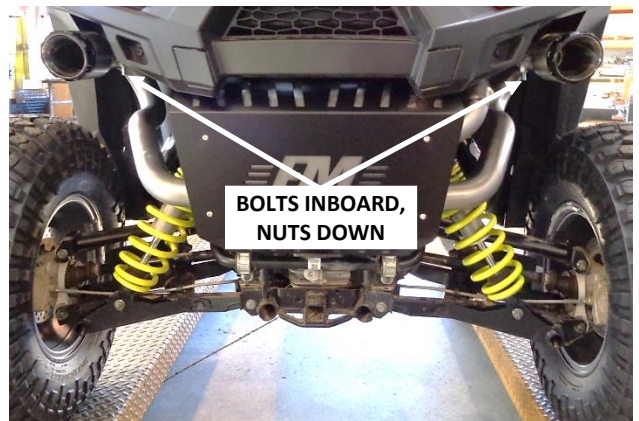
13. Grasp the aligned heat shield, backer and hardware and hang the assembly on the muffler's two top mount holes. Then install a flat washer (7) and lock washer (9), and hand-start a nut (10), on each screw.



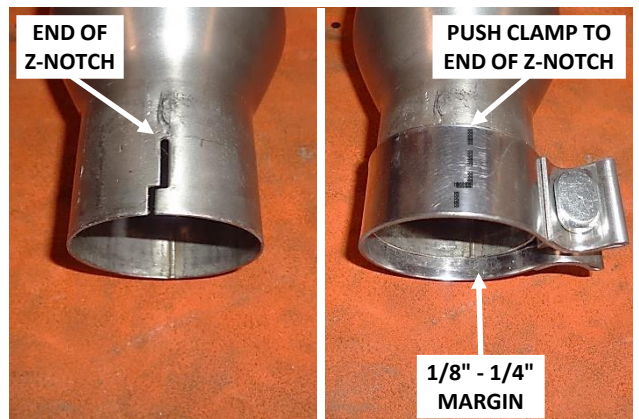
14. At each bottom hole, hold a spacer (8) in between the heat shield and backer. Install a screw (6) with flat washer (7) through the stacked parts. Then install a flat washer (7), lock washer (9), and nut (10) on each screw.



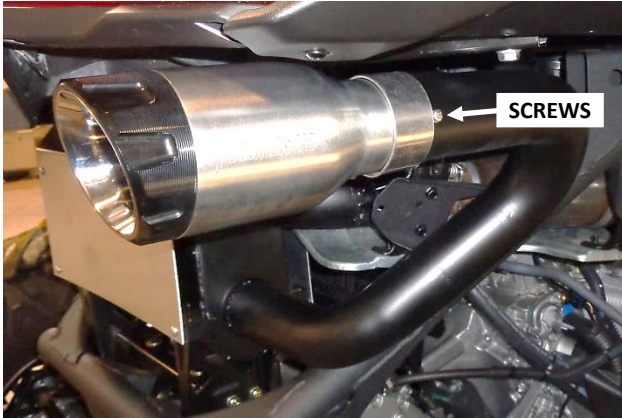
15. After the nuts have been started on all 4 screws, tighten the fasteners.



16. Note that the bolts on both tip clamps (2) will be oriented inboard, with the nuts pointed down.



17. With that note in mind, install a clamp on each exhaust tip (3). For best retention, push the clamp just to the end of the Z-notch, leaving 1/8" to 1/4" of the clamp extending past the tip opening.



18. Push each tip onto its pipe until its clamp touches the spark arrestor screws. Orient the clamp bolts inboard and the nuts down (per Step 16). Also, keep the rear edge of the clamp just over the end of the Z-notch (per Step 17). When each tip is in place, tighten its clamp.



**Congratulations, the installation of your XDR Off-Road Competition exhaust is now complete!**

**IMPORTANT: RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE**





# SPARK ARRESTOR MAINTENANCE FOR FLOWMASTER ATV & UTV EXHAUST SYSTEMS

Flowmaster ATV and UTV exhaust systems are equipped with US Forest Service-qualified spark arrestors, which are designed to prevent the discharge of sparks from the exhaust pipes.

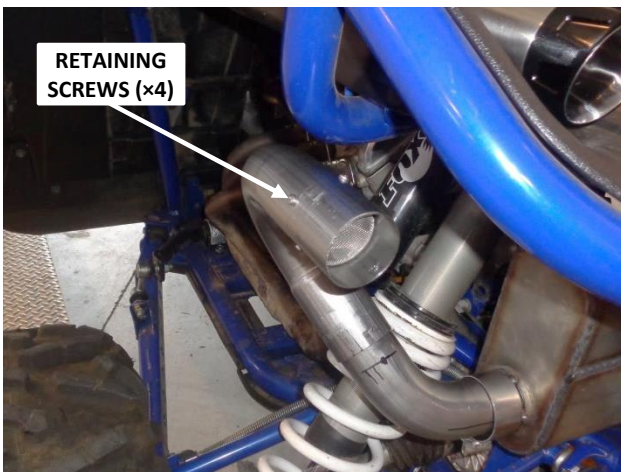
Spark arrestors must be inspected and cleaned periodically to prevent clogging and deterioration, which can adversely affect the performance of both the spark arrestor and the engine.

## WARNING

**Avoid serious burns! Allow the exhaust system to cool completely before inspecting the spark arrestors.**



1. Loosen the exhaust pipe tip clamp and remove the tip.



2. Remove the four retaining screws and washers.



3. Remove the spark arrestor screen.
4. Soak the screen in carburetor cleaner or oven cleaner to loosen carbon buildup.
5. Clean the screen using a wire brush.
6. Inspect the screen for wear or damage.

## WARNING

**Replace any spark arrestor whose screen is worn or damaged. Call Flowmaster for replacement parts.**

7. Reinstall the spark arrestor screen and exhaust pipe tip. (Installation is the reverse of removal.)

## NOTE

**Do not operate the vehicle unless serviceable spark arrestors are installed.**