

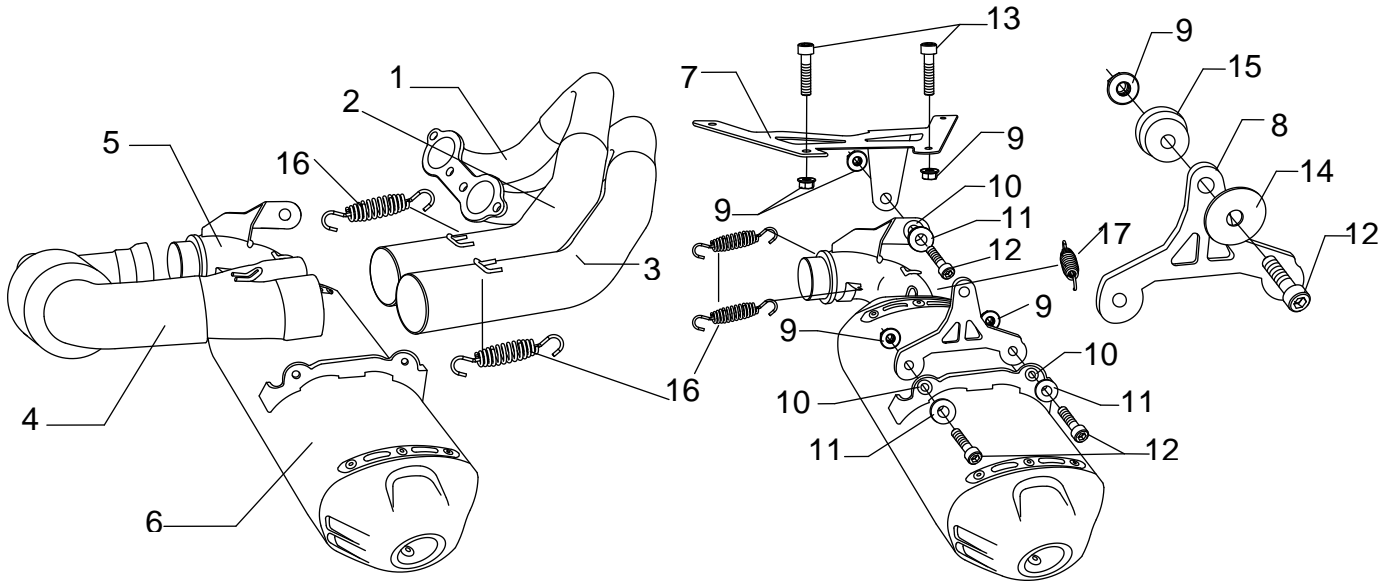


# PERFORMANCE EXHAUST SYSTEM

**APPLICATION**

MAKE	MODEL
Polaris	RZR800/S4/XC
PRODUCT	
394000G551	RS8 SS Full-System Exhaust with Stainless Steel Sleeve: Spark Arrested

!	This product is designed for use in closed course racing and is not intended for highway use. In the state of California, it is illegal to modify the emission control system, which includes the fuel injection of any vehicle.
!	You must know how to remove and replace your stock exhaust in order to install this product otherwise have it installed by a professional mechanic. Keep all stock parts from your existing system as some components may be necessary to install your new Yoshimura exhaust depending on the application.
!	Read through all instructions before beginning installation. Exhaust system can be extremely hot. Let vehicle cool down before beginning installation. Always wear hand and eye protection and take precautionary measures to avoid injury.



No.	Part #	Description	Qty
1	394000-101	Yoshimura Header	1
2	394000-102	Yoshimura Hdr Leg 1	1
3	394000-103	Yoshimura Hdr Leg 2	1
4	394000-140	Yoshimura Midpipe	1
5	394000-144	Yoshimura Tailpipe	1
6	394000G551	Yoshimura Muffler	1
7	39400-TPBRKT	TP Hanger Bracket	1
8	39400-BRKT	Muffler Hanger Bracket	1
9	8MMNUT	8mm Nut	6
10	Z1022	Rubber Grommet	3
11	ALS-003	Aluminum Spacer	3
12	M8X30	8mm x 30mm Head Cap Screw	4
13	M8X40	8mm x 40mm Head Cap Screw	2
14	8MMWASHERXL	8mm Flat Washer XL	1
15	ALS-027	Aluminum Spacer	1
16	RACE-SPS-1	Medium Spring	6
17	RACE-SPX-1	Short Spring	2
**	ST-200	Spring Puller Tool	1
**	347PLUG	End Cap Plug	1
**	17029	Yoshimura Sticker Sheet	1
**	39400-HS	Aluminum Heatshield	1
<i>Optional Replacement Parts</i>			
SA-01-K		Replacement SA Kit	
REPACK-RS8T-P22		Re-pack Kit	

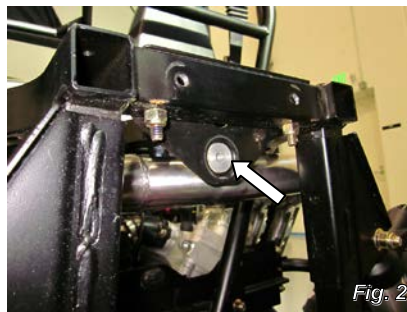
## -TOOLS REQUIRED-

Metric Socket Set • Combination Wrench Set • Torque Wrench • Metric Allen Wrench Set  
Power Drill and 5/16" Drill Bit

## -REMOVAL-

### 1. Removing the stock exhaust system.

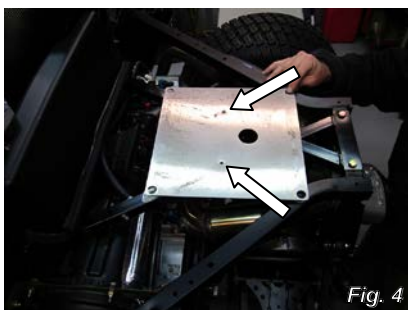
- a) Remove rear fenders and bed assembly as per Factory Service Manual (FSM).
- b) Remove the stock heat shield.
- c) Remove the (2) springs attached to the header and tailpipe.
- d) Remove the (4) header bolts and remove header.
- e) Loosen exhaust clamp and remove stock tailpipe.
- f) Remove stock muffler and stock muffler grommet in frame. See Fig. 1



## -INSTALLATION-

### 1. Small parts installation.

- a) Install provided spacer and muffler hanger bracket on frame. See Fig. 2,3 and Parts Diagram for orientation.
- b) Using a drill and a 5/16" drill bit, drill out the 2 holes near the middle of the heat shield.
- c) Place tailpipe hanger bracket on crossbeam aligning the mounting holes. Then place the stock heat shield over the tailpipe hanger bracket and bolt down using supplied hardware. See Fig. 4,5. (Note: Drain hole must be closer to the rear of the vehicle.)
- d) Remove the two rear brace bolts and install supplied heatshield on top of rear support brace using the stock bolts as shown in Fig. 6. Check to make sure the two heatshield holes align to the rear bed mounting holes. Torque brace bolts to factory specification.
- e) Install rubber grommets and spacers onto muffler bracket.
- f) Install rubber grommets and spacers onto tailpipe bracket.



### 2. Installing the header.

- a) Install Yoshimura header using stock bolts. Inspect stock exhaust manifold gasket and replace if necessary (P/N: 5811511). Do not torque header bolts at this time.

3. *Installing the muffler tailpipe assembly.*

- a) **Install midpipe to header.**
- b) **Install stock exhaust ring gasket to tailpipe.**
- c) **Install muffler and tailpipe assembly from the rear.**
- d) **Connect midpipe to tailpipe and install springs.**
- e) **Install midpipe to header springs.**
- f) **Torque header bolts to 16.5 lb-ft. (23 Nm)**
- g) **Torque tailpipe bolt to 9.5 lb-ft. (13 Nm)**
- h) **Torque muffler bolts to 9.5 lb-ft. (13 Nm)**

4. *Reinstall bed assembly and fenders.*

- a) **Re-install bed assembly and fenders as per FSM.**

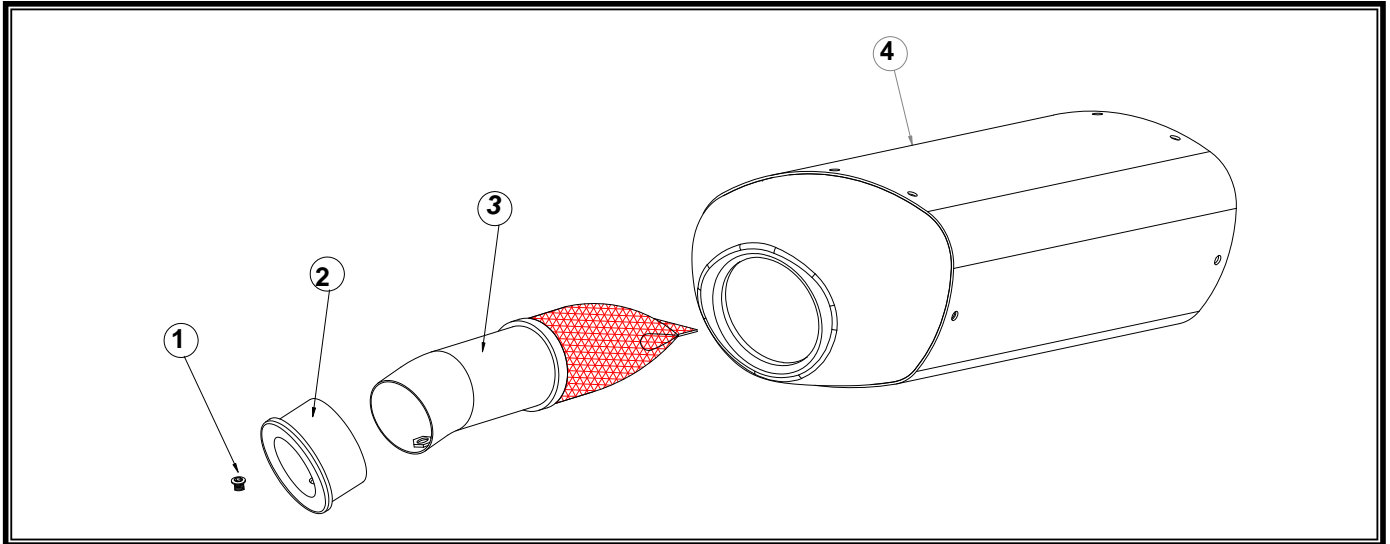
5. *Fitment check and Notes.*

- a) **Before starting vehicle, check for proper clearance between new exhaust system and rear suspension (i.e. tire, control arm, brake, rear shock, engine, and etc.) If any problem is found, please carefully follow through the installation steps again. If problem still persists, please call Yoshimura Tech Department at (800) 634-9166 / in CA (909) 628-4722.**
- b) **It is recommended that the muffler and tailpipe be wiped down with rubbing alcohol to remove oil and fingerprints. This will help prevent tarnishing of the finish after the exhaust is heated up.**
- c) **NOTE: After starting vehicle, it is normal for new exhaust system and muffler to emit smoke until oil residue burns off.**

# Spark Arrester Cleaning Information



Read through all instructions before beginning installation. Exhaust system can be extremely hot. Let vehicle cool down before beginning installation. Always wear hand and eye protection and take precautionary measures to avoid injury.



No.	Part #	Description	Qty
1	M6X18BHS	6mm x 18mm Button Head Cap Screw	1
2	RS8-RING-1625	RS8 Spark Arrester Ring 1.625"	1
3	TEC-SD7	Low Volume Insert for RS8	1
4	**	Yoshimura Muffler Assembly	1

## -TOOLS REQUIRED-

4mm Allen Key  
Wire Brush  
Pair of Gloves  
Safety Glasses

## -Cleaning Steps-

1. Using a 4mm Allen key, remove the 6mm x 18mm Button Head Bolt located under the muffler exhaust tip. (See Parts Diagram for location)
2. Remove the spark arrester from the muffler.
3. Using a wire brush, remove carbon deposits from spark arrester screen. Inspect the screen for excessive wear or damage. If spark arrester is excessively worn or damaged, the spark arrester must be replaced. Cleaning and inspection should be performed at the same time as muffler re-packing. Re-packing is recommended every 1,000 miles.

**CAUTION:** Gloves and safety glasses should be worn while cleaning spark arrester.

4. Re-install spark arrester and 6mm x 10mm bolt into muffler assembly. Torque bolt to 1.0 kg-m (7.3 lb-ft).

**NOTE:** It is highly recommended that a low strength "Loc-tite" is used on the bolt.