YOSHIMURA
RESEARCH&DEVELOPMENT OF AMERICA, INC.
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SIGNATURE SERIES

Yamaha YZ450F
234812D321

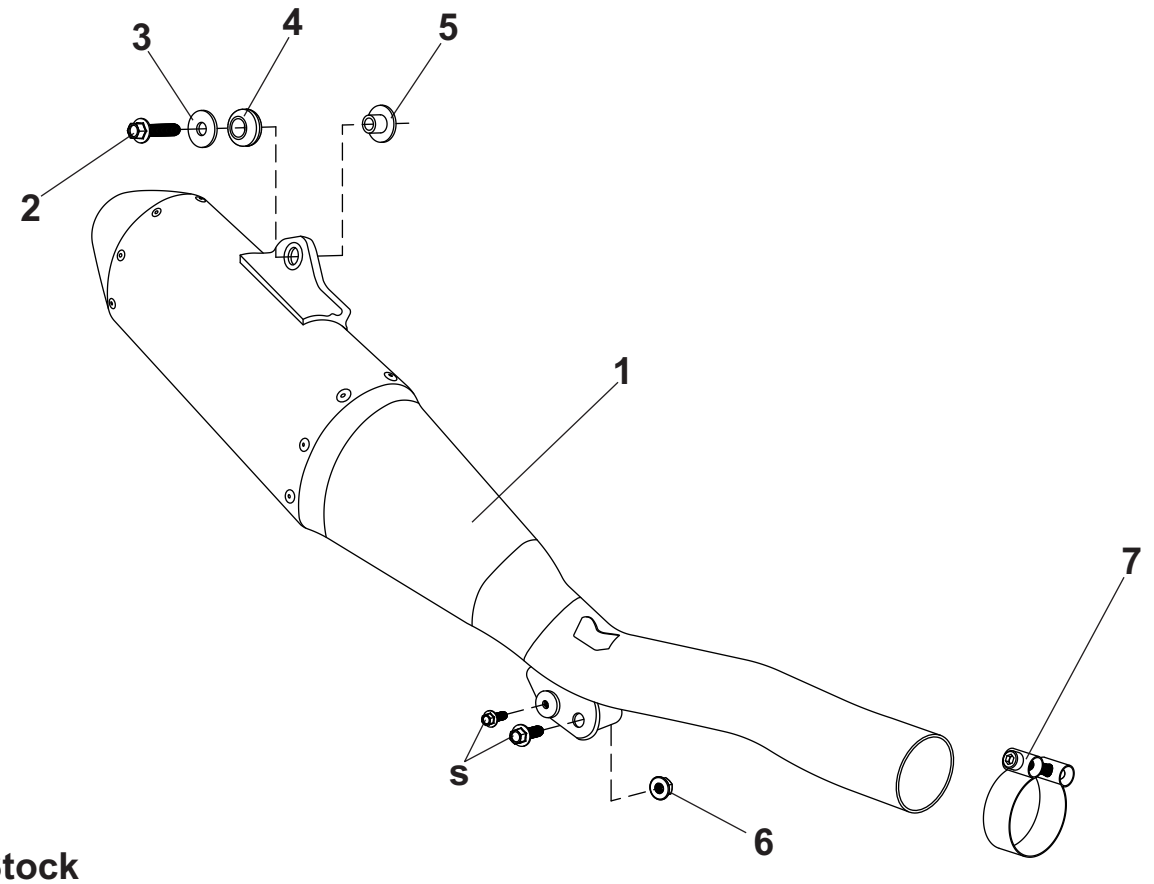
Stainless Steel RS4 Slip-On

Signature Series systems are:
- CARB/EPA tail-pipe emissions compliant.
- Marked with appropriate EPA noise labels.
- Independent laboratory tested for EPA new vehicle noise compliance.

CAUTION: The muffler packing on this system MUST be replaced every 6-8 hours of use, or after each moto. Failure to follow recommended muffler re-packing interval can cause muffler damage and may void the warranty.

NOTE: IN THE STATE OF CALIFORNIA, IT IS ILLEGAL TO MODIFY THE EMISSION CONTROL SYSTEM, WHICH INCLUDES THE CARBURETORS OF ANY VEHICLE.

Assembly Diagram



S = Stock

NO.	*DESCRIPTION*	*QTY*	*PART #*
1	Yoshimura Muffler Assembly	1	234812D321-RMA
2	8mm x 35mm Flanged Hex Head Bolt	1	M8X35H
3	8mm Large Washer	1	8MMWASHERL
4	Rubber Grommet	1	Z1022
5	Aluminum Spacer	1	ALS-003
6	8mm Flange Nut	1	8MMNUT
7	Exhaust Clamp	1	27-62MSH
**	8" x 10" Aluminum Heatshield Foil	1	ALFOILHS-8X10
**	Low Volume Sound Insert (1.50")	1	INS-19-K (Installed)
**	Low Volume Sound Insert (1.375")	1	INS-16-K
**	Offroad Endcap Plug	1	347PLUG
**	Yoshimura Vinyl Sticker	1	17029
OPTIONAL REPLACEMENT PARTS			
Repack Kit		REPACK-RS4-PK26	

Removal

1. Remove the right side panel by removing the three side panel bolts.

2. Loosen the stock exhaust clamp at muffler to midpipe connection.

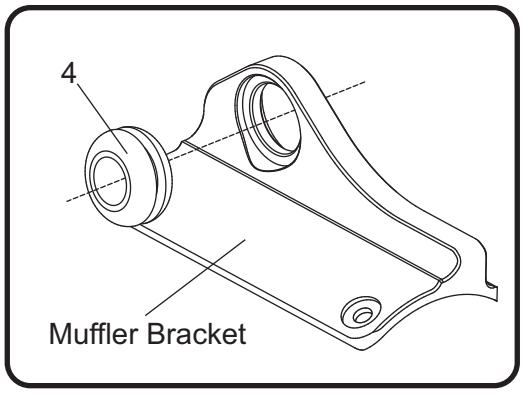
3. Remove the forward muffler chassis mount bolt.

4. While securely supporting the stock muffler assembly, remove the rear muffler mount bolt and carefully remove muffler from the stock midpipe.

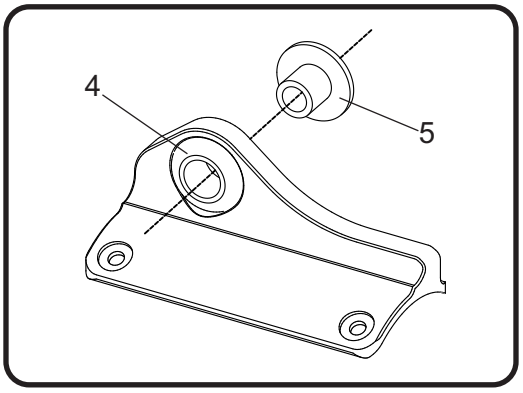
   Note: The stock exhaust gasket will not be used with the Yoshimura slip-on exhaust system.

Installation

1. Install (No. 4) *Z1022,* rubber grommet into Yoshimura muffler bracket.



2. Install (No. 5) *ALS-003,* aluminum spacer into (No. 4) *Z1022,* rubber grommet as shown.



3. Slide (No. 7) *27-62MSH,* exhaust clamp over Yoshimura tailpipe inlet.

4. Carefully install (No. 1) *234812D321-RMA,* Yoshimura muffler assembly over the stock midpipe.

5. Secure (No. 1) *234812D321-RMA,* muffler assembly to muffler mount using (No. 2) *M8X35H,* bolt and (No. 3) *8MMWASHERL,* washer supplied in the kit. Do not torque at this time.

6. Secure Yoshimura forward muffler chassis mount to chassis using the stock bolt and (No. 6) *8MMNUT,* flange nut. See diagram for proper orientation. Do not torque at this time.

   Note: If necessary, loosen left and right subframe bolts to align forward muffler chassis mount. Torque subframe bolts to factory specification.

7. Torque (No. 2) *M8X35H,* rear muffler mount bolt to factory specification.

8. Torque the stock forward muffler chassis mount bolt to factory specification.

9. Torque (No. 7) *27-62MSH,* exhaust clamp to 8.5 Nm (0.86 kg-m, 6 ft-lb).

10. Cut out the provided heatshield template along the solid line.

11. Using a pen or marker, trace the paper template onto provided adhesive foil.

    Note: When tracing paper template onto foil sheet, be sure both templates fit.

12. Cut out heatshield foil.

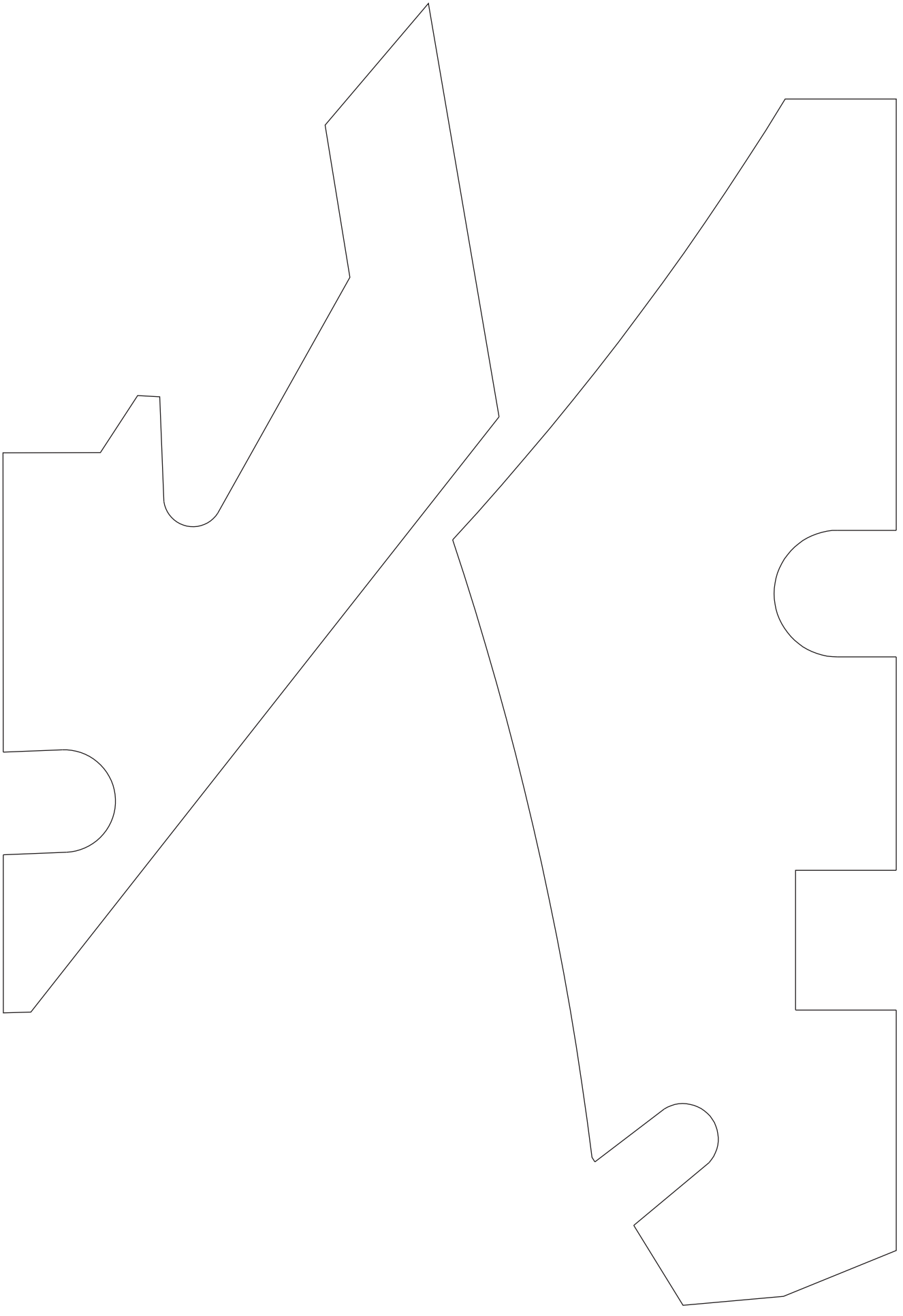
13. Clean number plate thoroughly with soap and water where heatshield foil will be applied.

14. Remove adhesive backing from foil heatshield and apply onto the inside of the number plate.

    Note: Be sure number plate is dry and clean prior to applying heatshield foil. Debris may hinder the foil from adhering to the surface.

15. Re-install right side panel.

16. Before starting motorcycle, check for proper clearance between new exhaust system and rear suspension (i.e. tire, swing arm, brakes, rear shock, 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.

17. 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.

    Note: After starting motorcycle, it is normal for new exhaust system and muffler to emit smoke until oil residue burns off.