



YOSHIMURA

RESEARCH & DEVELOPMENT OF AMERICA, INC.

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OFF-ROAD PERFORMANCE EXHAUST SYSTEM

2006-2009

**Yamaha
YZ450F**

2345513

STAINLESS STEEL FULL SYSTEM WITH ALUMINUM SLEEVE

NOTE: THIS SYSTEM IS DESIGNED FOR USE IN CLOSED COURSE COMPETITION AND IS NOT INTENDED FOR ANY OTHER USE.



**THIS PRODUCT IS DESIGNED FOR USE IN CLOSED COURSE
RACING AND IS NOT INTENDED FOR ANY OTHER USE.**



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.

Caution: Exhaust system can be extremely hot. Let motorcycle cool down before beginning installation.

Note: Read through all instructions before beginning installation.

Tools Needed:

8mm, 10mm, and 12mm Sockets
Ratchet Wrench and Extension
Torque Wrench

Installation Steps:

1. Remove right rear number plate (see Fig. 1 for bolt locations).
2. Remove stock heatshield, stock exhaust system, and stock exhaust port gasket (see Fig. 2 and Fig. 3 for bolt locations).
3. Install new stock exhaust port gasket (Yamaha Part Number 3VD-14613-01-00, not included).
4. Install Yoshimura header using stock header nuts. Do not tighten header nuts at this time.
5. Install supplied rubber grommet into aluminum muffler mounting bracket. Install aluminum insert into rubber grommet (make sure shoulder of aluminum insert faces toward the frame, see Fig. 4).
6. Install Yoshimura tailpipe and muffler onto Yoshimura header.
7. Bolt muffler to frame using stock bolt and washer. Install stock chassis mount bolt.
8. Install stock heatshield using the stock heatshield bolts.

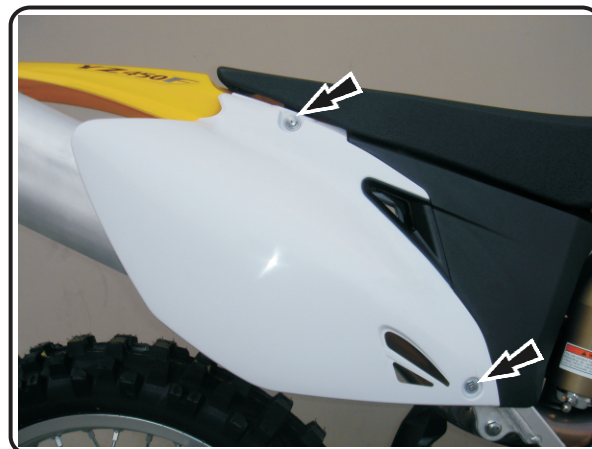


Fig. 1

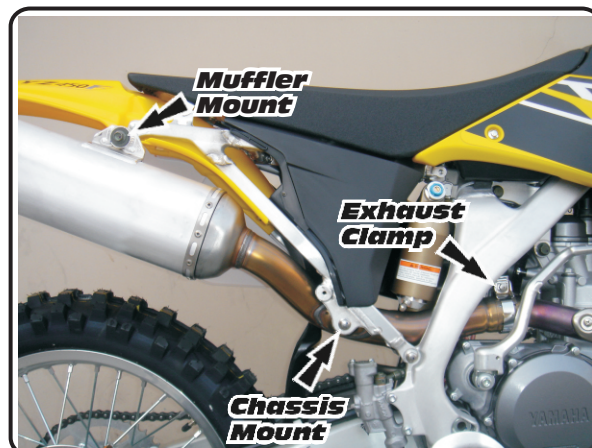


Fig. 2

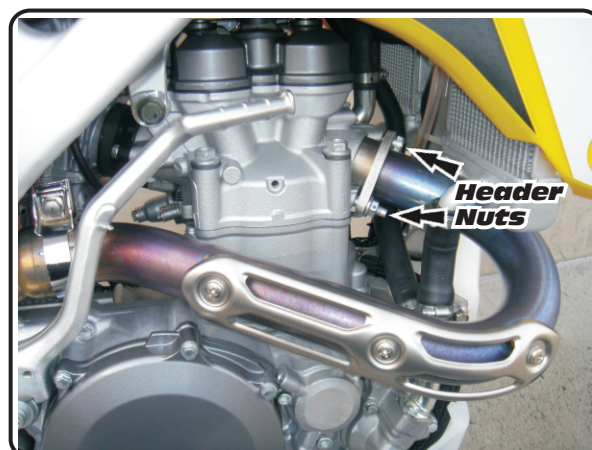


Fig. 3

9. Check exhaust for proper position and clearance and adjust if necessary.
10. Torque header nuts to 1.0 kg-m (7.3 lb-ft).
11. Torque muffler mount bolt to 2.5 kg-m (18 lb-ft).
12. Torque chassis mount bolt to 2.5 kg-m (18 lb-ft).
13. It is recommended that the entire exhaust system 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.
14. Before starting motorcycle, check for proper clearance between new exhaust system and rear suspension (ex. tire, swingarm, brake, rear shock, etc). If any problem is found, please carefully follow through the installation steps again. If problem still persists, please call Yoshimura technical department at (800) 634-9166 / in CA (909) 628-4722.
15. Reinstall number plate.

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

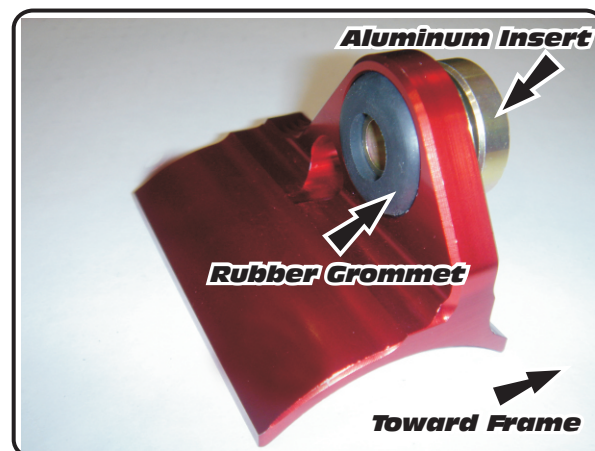
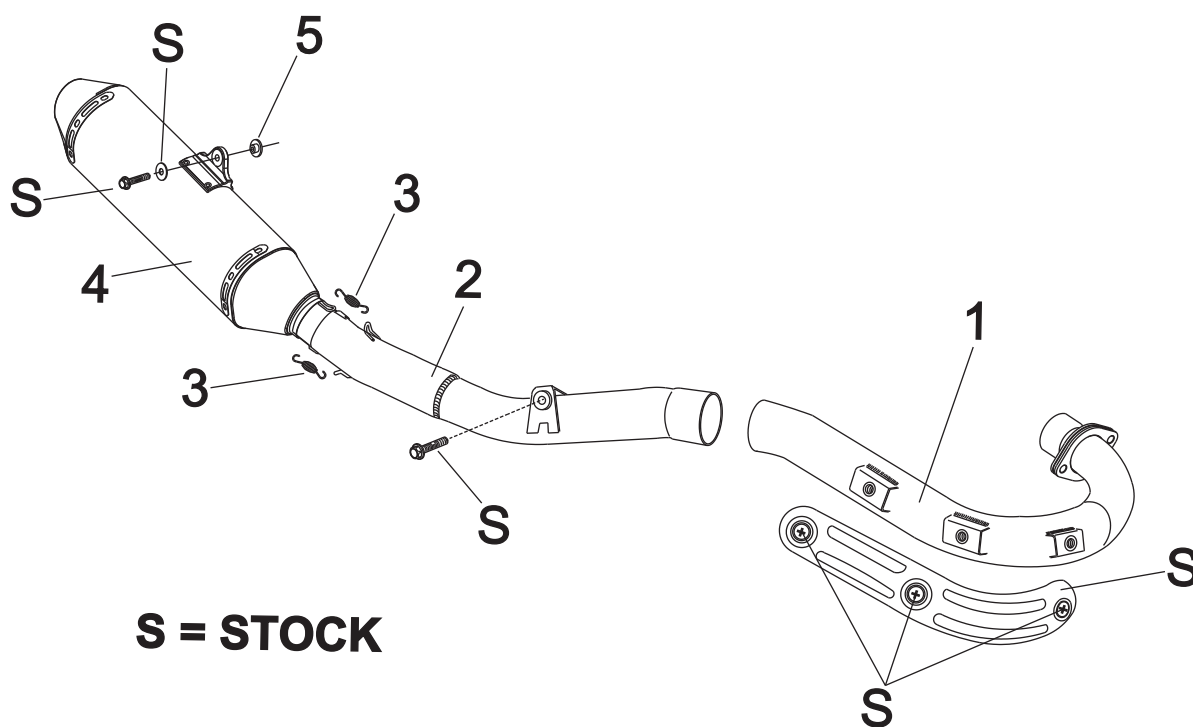


Fig. 4

#2345513



Parts Diagram

NO.	DESCRIPTION	QTY	PART #
1	Yoshimura Stainless Steel Header	1	2345-101
2	Yoshimura Stainless Steel Tailpipe	1	2345-144
3	Medium Exhaust Spring	2	RACE-SPS-1
4	Yoshimura Race Muffler with Aluminum Sleeve	1	2345513-RMA
5	Aluminum Insert for Rubber Grommet	1	ALS-002
**	Muffler Mount Rubber Grommet	1	Z1022
**	Spring Puller Tool	1	ST-200
**	Offroad Endcap Plug	1	347PLUG
**	Yoshimura Vinyl Sticker	2	17028-BLK



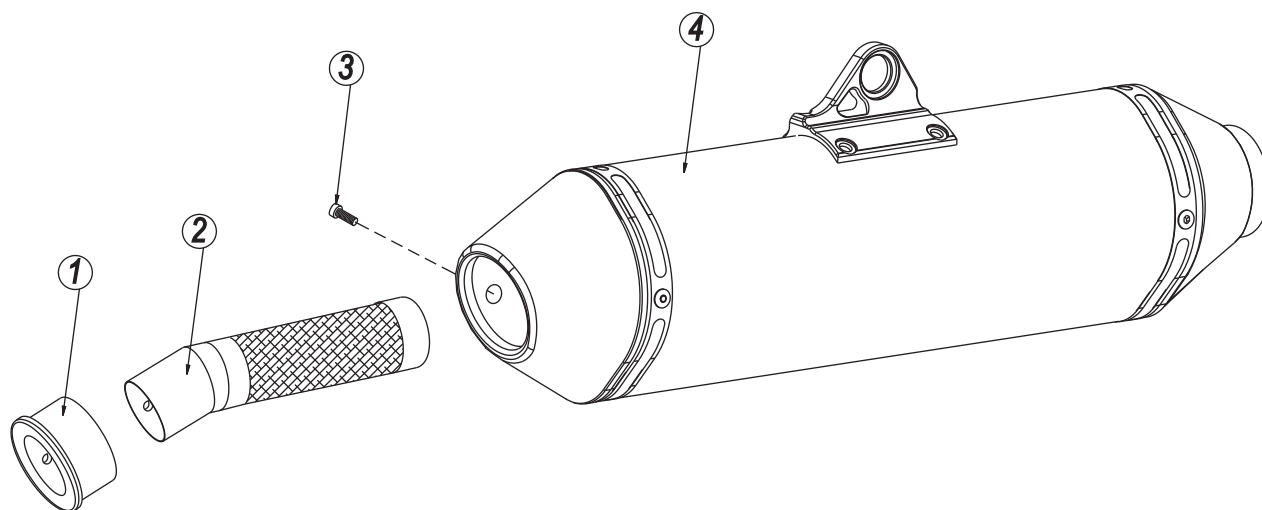
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Spark Arrester Cleaning Information



Parts Diagram

Caution: *Muffler can be extremely hot. Let muffler cool down before removing spark arrester.*

Note: *Read through all instructions before beginning disassembly.*

Tools Needed:

4mm Allen Key
Wire Brush
Pair of Gloves
Safety Glasses

Cleaning Steps:

- 1 Using a 4mm Allen key, remove the bolt that secures the aluminum ring and spark arrester to the muffler (see Parts Diagram for location).
- 2 Remove the spark arrester from the muffler.

NO.	DESCRIPTION	QTY
1	Aluminum Ring	1
2	Spark Arrester	1
3	Spark Arrester Securing Bolt	1
4	Muffler Assembly	1

- 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 after every 60 hours of use.

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

- 4 Re-install spark arrester and aluminum ring. Torque the spark arrester securing bolt to 1.0 kg-m (7.3 lb-ft).

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