YOSHIMURA
RESEARCH&DEVELOPMENT OF AMERICA, INC.
5420 DANIELS STREET STE A, CHINO CA, 91710 · (800)634-9166 · (909)628-4722 · FACSIMILE (909)591-2198
www.yoshimura-rd.com

TRC OFF-ROAD PERFORMANCE EXHAUST

SUZUKI
2005
RMZ450

2190153-SA	*TITANIUM FULL SYSTEM WITH MAGNODIZED SLEEVE*
2190157-SA	*TITANIUM FULL SYSTEM WITH TITANIUM SLEEVE*

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

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:

9mm, 10mm, and 12mm Sockets
Ratchet Wrench and Extension
4mm Allen Wrench
Torque Wrench

Installation Steps:

1 Remove right rear number plate.
(See Fig. 1 for fastener locations.)

2 Remove stock exhaust system and exhaust port gasket. (See Fig.2)

NOTE: This system is designed to have the exhaust manifold bolted directly to the cylinder head without the use of the stock exhaust port gasket.

3 Install Yoshimura exhaust manifold and flange using stock exhaust bolt and nut.
(See Fig. 3 for flange orientation.)
Torque bolt and nut to 1.0 kg-m (7.3 lb-ft).

NOTE: for ease of installation hook springs onto flange at this time. (See Fig. 3)

4 Install header onto exhaust manifold ensuring header is fully seated on manifold. Install exhaust springs onto header spring hooks using supplied spring puller tool.

5 Install supplied rubber grommet into muffler mount. Insert aluminum spacer into rubber grommet. Insure shoulder of spacer faces toward frame. (See Fig. 4)

6 Install tailpipe with muffler onto header.
(do not tighten at this time).

Fig. 1

Fig. 2

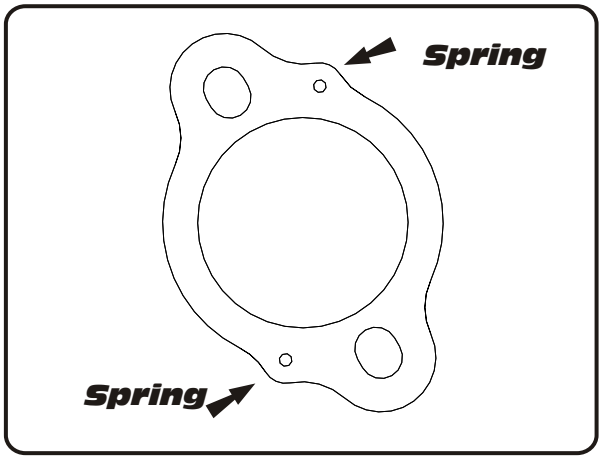


Fig. 3

7 Bolt muffler to stock muffler mount using supplied bolt and washer. (See Fig. 4)

8 Torque muffler mount bolt to 2.5 kg-m (18 lb-ft).

9 Torque chassis mount bolt to 2.5 kg-m (18 lb-ft).

10 Torque header bolt and nut to 1.0 kg-m (7.3 lb-ft).

11 Install spring between header and tailpipe.

12 Install supplied Yoshimura header heatshield onto Yoshimura header using stock bolts. (See diagram on Page 4.)

13 It is recommended that the exhaust system and muffler be wiped down with rubbing alcohol to remove oil and fingerprints. This will help prevent tarnishing of the finish once the exhaust is heated up.

14 Reinstall right rear number plate.

15 Before starting motorcycle, check for proper clearance between new exhaust system and chassis, body work, rear suspension (i.e. tire, swing-arm, brake, shock spring 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.

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

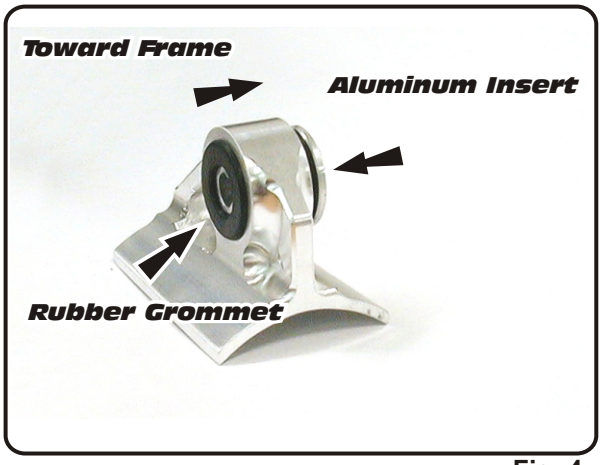
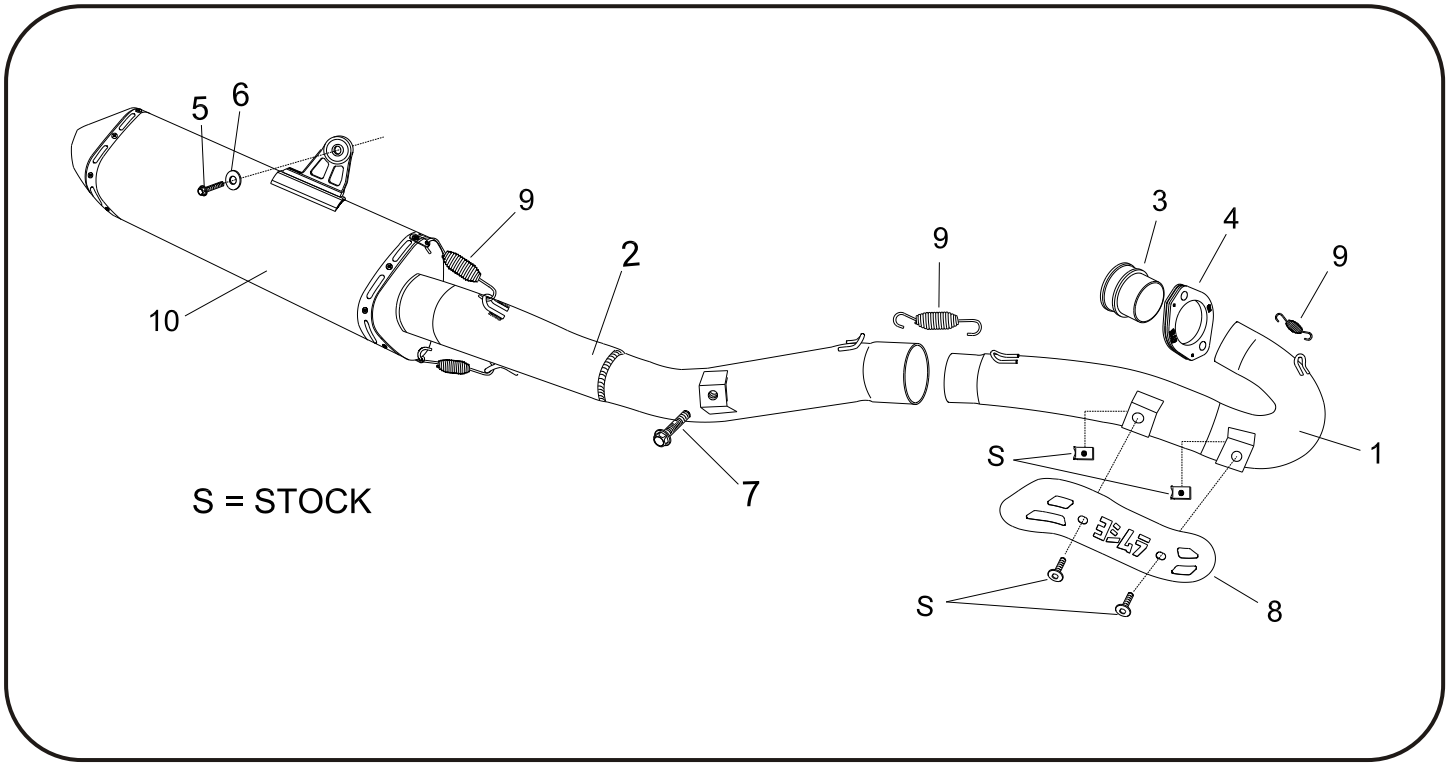


Fig. 4

#2190153-SA #2190157-SA

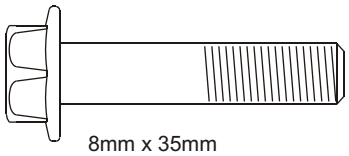


Parts Diagram

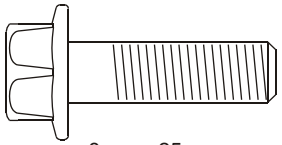
NO.	DESCRIPTION	QTY	PART #
1	Yoshimura Header		
	Titanium Pro	1	2190-704
2	Yoshimura Tailpipe		
	Titanium Pro	1	2190-744-A
3	Stainless Steel Exhaust Manifold	1	2190SDM
4	Header Flange	1	2190SDR
5	8mm X 35mm Flange Bolt	1	M8X35H
6	Large Washer	1	8MMWASHERL
7	8mm X 25mm Flange Bolt	1	M8X25H

NO.	DESCRIPTION	QTY	PART #
8	Yoshimura Header Heatshield	1	2190-HS
9	2.3" Race Springs	5	RACE-SPS-1
10	Yoshimura Muffler	1	
	TRC Muffler with Magnodized Sleeve		TITRC2190-AL
	TRC Muffler with Titanium Sleeve		TITRC2190-TI
**	Spring Puller Tool	1	ST-200
**	Rubber Grommet for Muffler Mount	1	011257-00
**	Aluminum Insert for Rubber Grommet	1	ALS-001
**	Yoshimura Vinyl Sticker	2	17028-BLK

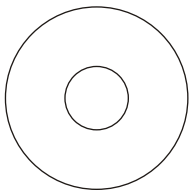
Nuts and Bolts Guide (Actual Size):



8mm x 35mm
Flange Hex Bolt



8mm x 25mm
Flange Hex Bolt



8mm Large Flat Washer

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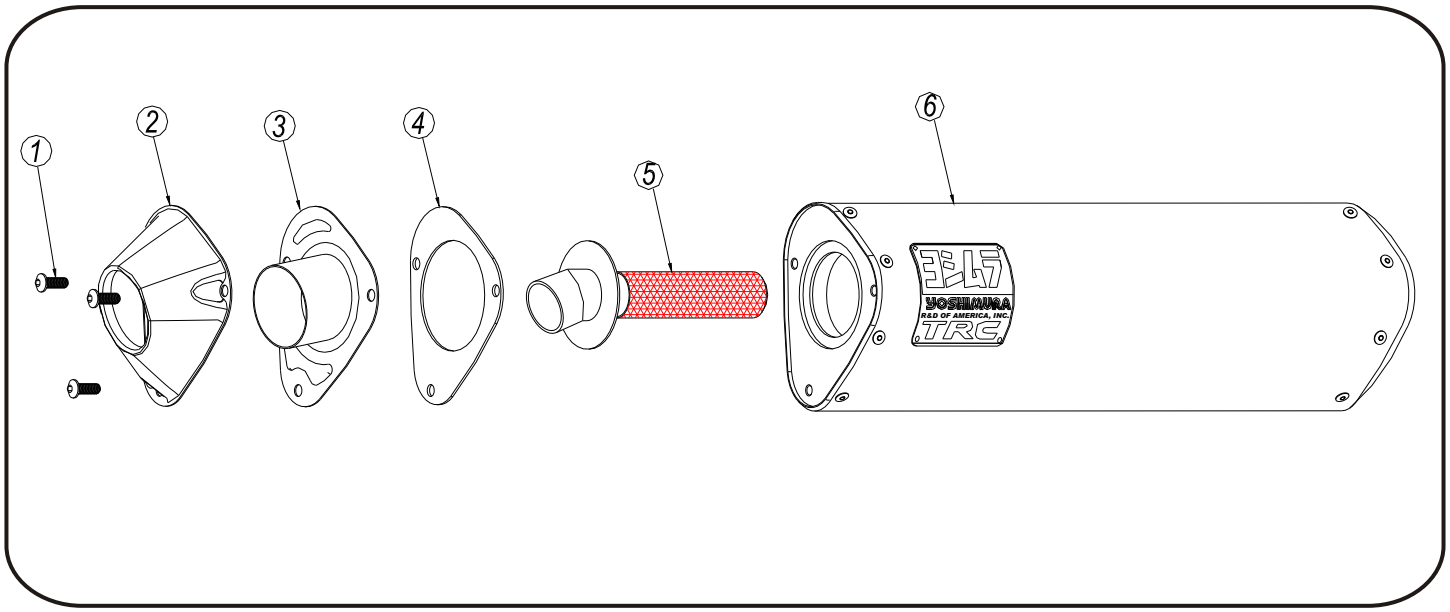
TEC-SB Spark Arrester Cleaning Information



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 three 6mm x 16mm Button Head Screws located in the muffler end cap. (See Parts Diagram for location)

2 Remove the end cap, gasket and spark arrester from the muffler.

NO.	DESCRIPTION	QTY
1	6 x 1.0mm x 16mm Button Head Screw	3
2	TRC End Cap Cover	1
3	TRC End Cap Insert	1
4	T.E.C. End Cap, Gasket	1
5	T.E.C. Low Volume Spark Arrester	1
6	Muffler Assembly	1

3 Using a wire brush, remove carbon deposits from spark arrester screen. Once clean inspect the screen for excessive wear or damage, if any is found the spark arrester must be replace. 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, gasket, end cap and 6mm x 16mm screws into muffler assembly. Torque screws to 1.0 kg-m (7.3 lb-ft)
(Note: It is recommended that a low strength "Loc-tite" is used on the screws.)