YOSHIMURA
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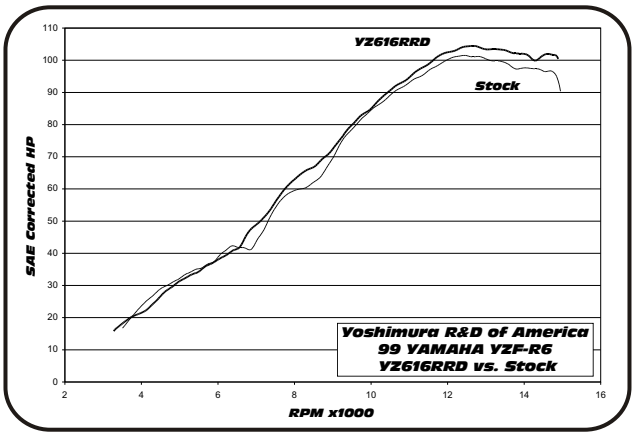
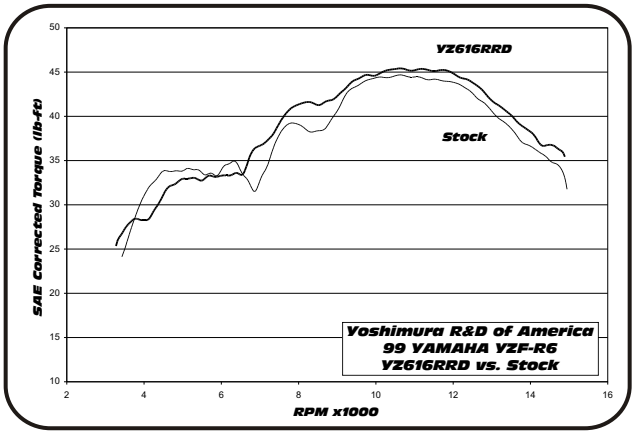
RS-3 OVAL PERFORMANCE EXHAUST SYSTEM

YAMAHA '99-02 YZF-R6

YZ616RRD	STAINLESS STEEL DUPLEX RACE ONLY





Note: Dyno graphs are for comparison use only. Actual results may vary depending on operating and motorcycle condition.

THIS PRODUCT IS DESIGNED FOR USE IN CLOSED COURSE RACING AND IS NOT INTENDED FOR HIGHWAY 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:

8mm, 10mm, 12mm and 14mm sockets
3/8" ratchet and extension
8mm and 14mm wrench
Phillips screwdriver
Torque wrench
Soft face mallet

Installation Steps:

1 *Remove lower right and lower left cowlings. (See Fig. 1 & 2 for fastener locations.)*

2 *Remove bolt and nut from lower radiator mount and tilt radiator forward slightly. (Fig. 3).*

3 *Remove stock exhaust system and exhaust port gaskets. (Note location of chassis mount in Fig.4)*

4 *Install new exhaust port gaskets. (not supplied - Yamaha part no. 3YF-14613-01-00)*

5 *Install manifolds and flanges into exhaust ports using stock header nuts. Torque nuts to .8 kg-m (6 lb-ft). (Refer to Fig. 5 on next page for proper flange orientation) Note: for ease of installation hook springs onto flanges prior to installing flanges and manifolds to engine.*

6 *Install Yoshimura header. (Install header from one end of the engine to the other. Slip one tube at a time into manifold.)*

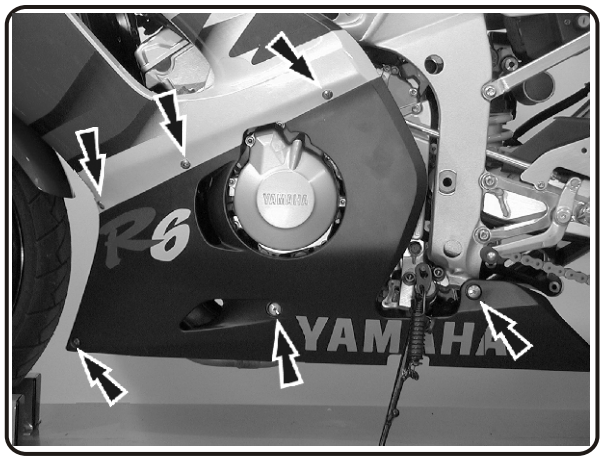


Fig. 1

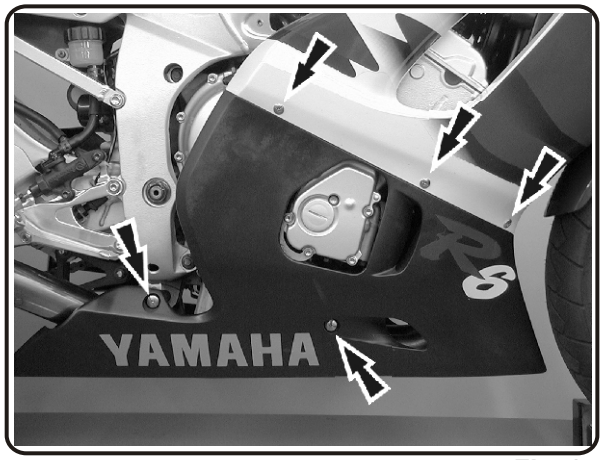


Fig. 2

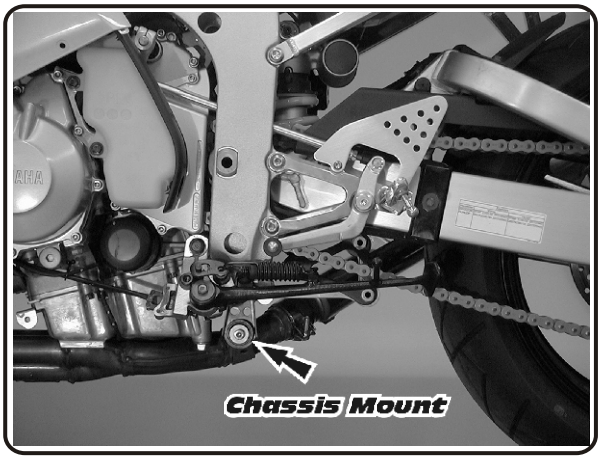


Fig. 4

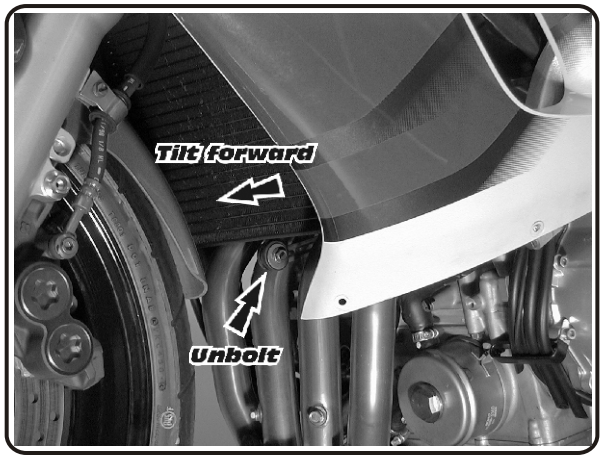


Fig. 3

7 *Install 2.5" exhaust springs on header. (See Fig. 5 for spring locations) Note: Hook one end of the spring through drilled hole on exhaust flange and pull the other end with spring puller tool onto header's spring hook.*

8 *With a soft face mallet, tap on header to fully seat tubes into manifolds.*

9 *Bolt header to chassis mount with stock bolt and supplied nut. Torque bolt to 2.5 kg-m (18 lb-ft)*

10 *Install Yoshimura tailpipe w/muffler onto header and install 2.5" exhaust springs between header and tailpipe.*

11 *Apply heat insulator to inside of muffler clamp and slide clamp onto muffler. (Note direction of clamp in Fig. 6)*

12 *Mount clamp to stock muffler bracket using stock bolt, washer and supplied nut. (See Fig. 6) Torque bolt to 2.5 kg-m (18 lb-ft).*

13 *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.*

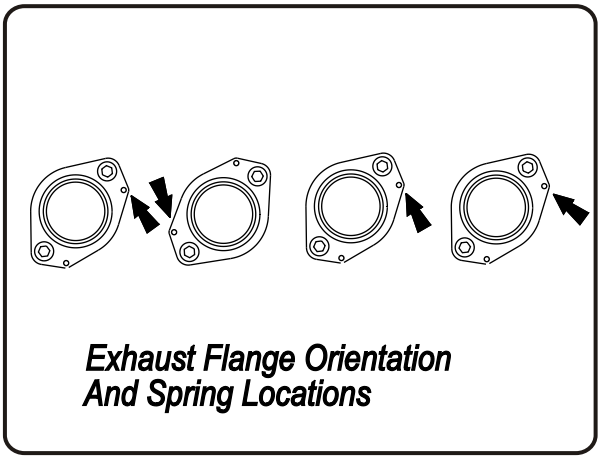
14 *Reinstall lower radiator mount bolt.*

15 *Check for proper clearance between new exhaust system and swing arm. If any problem is found, please carefully follow through the installation steps again. If problem still persists, please call Yoshimura tech. Dept. at (800)634-9166 / in CA (909) 628-4722*

16 *Reinstall cowlings.*

17 *Check for proper clearance between new exhaust system and cowling.*

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



Exhaust Flange Orientation And Spring Locations

Fig. 5

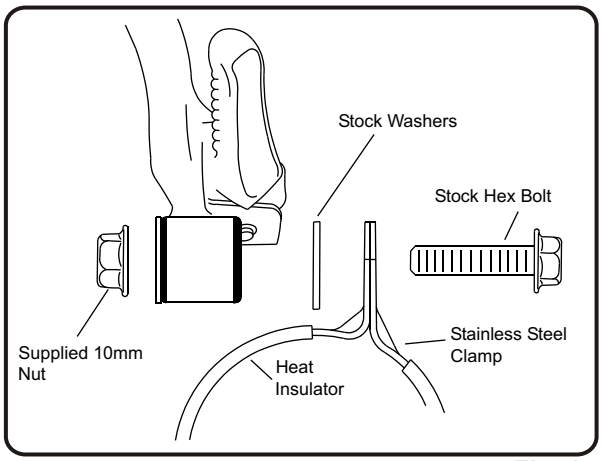


Fig. 6

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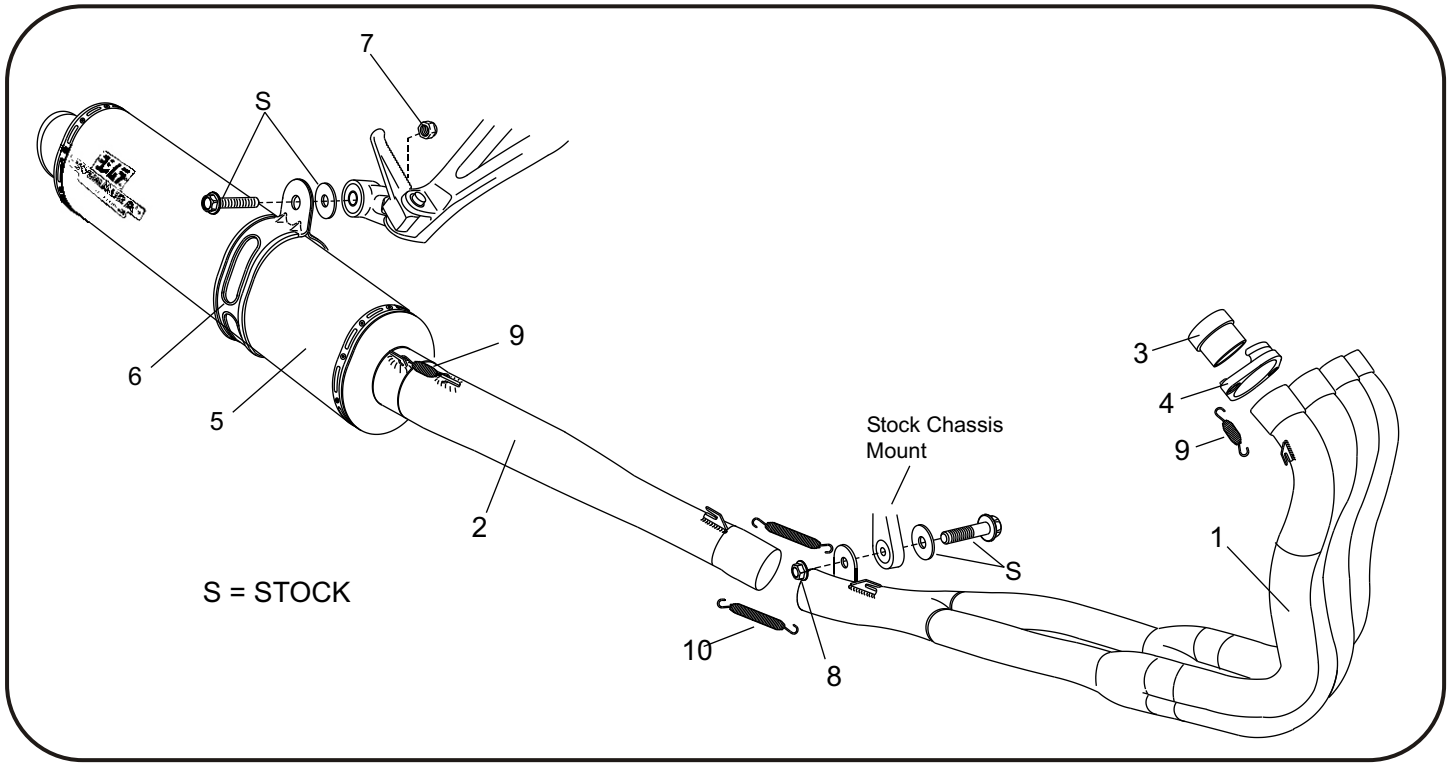
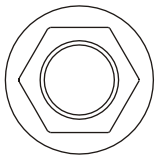


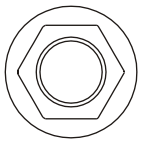
Parts Diagram

NO.	DESCRIPTION	QTY	PART #
1	Yoshimura Header Stainless Steel Race Only	1	 YZ616RRHD
2	Yoshimura Tailpipe Stainless Steel Race Only	1	 YZ616RT
3	Stainless Steel Exhaust Flange	4	YZ616SDR
4	Stainless Steel Exhaust Manifold	4	YZ616SDM
5	RS-3 Oval Muffler Assembly	1	**
6	Stainless Steel Muffler Clamp Stainless Steel or Titanium sleeve use Carbon Fiber sleeve use	1	 COS450S10ASX COS450S10AS
7	10mm Flange Nut	1	10MMFNUT
8	8mm Flange Nut	1	8MMNUT
9	2.3" Exhaust Spring	6	RACE-SPS
10	3" Exhaust Spring	2	RACE-SPL
**	Muffler Clamp Heat Insulator	1	HT SHLDTRS
**	Spring Puller Tool	1	ST-100
**	Yoshimura Duplex Sticker	2	DLABEL
**	Yoshimura Vinyl Sticker	2	17028

Nuts and Bolts Guide (Actual Size):



10mm Flange Nut



8mm Flange Nut