YOSHIMURA

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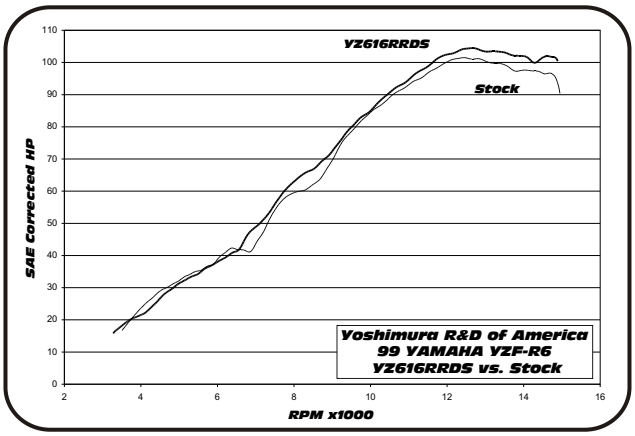
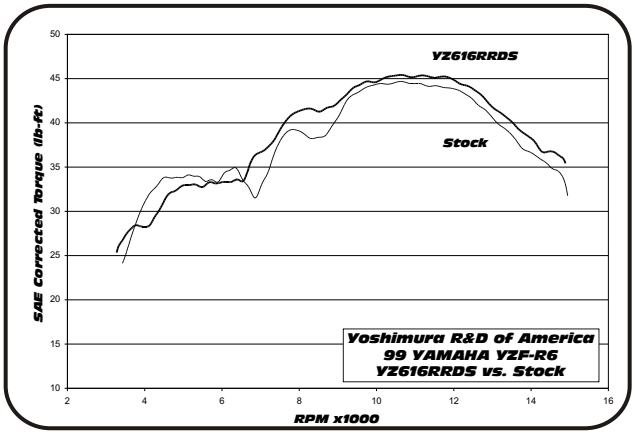
RS-3 OVAL PERFORMANCE EXHAUST SYSTEM

YAMAHA '99-02 YZF-R6

YZ616RRDS	*STAINLESS STEEL DUPLEX RACE ONLY HIGH PIPE*
YZ617RRD	*TITANIUM DUPLEX RACE ONLY HIGH PIPE*





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

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 wrenches
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.)

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

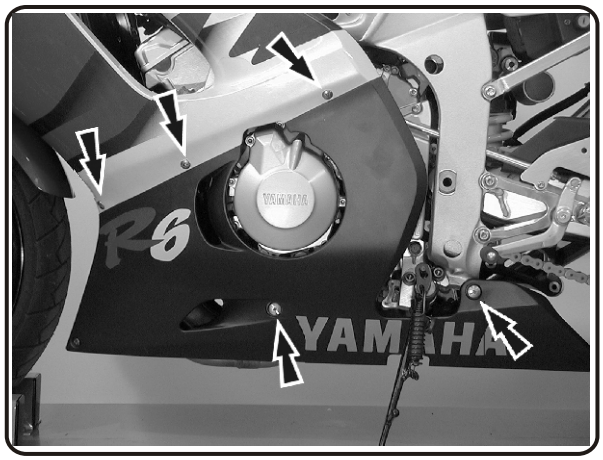


Fig. 1

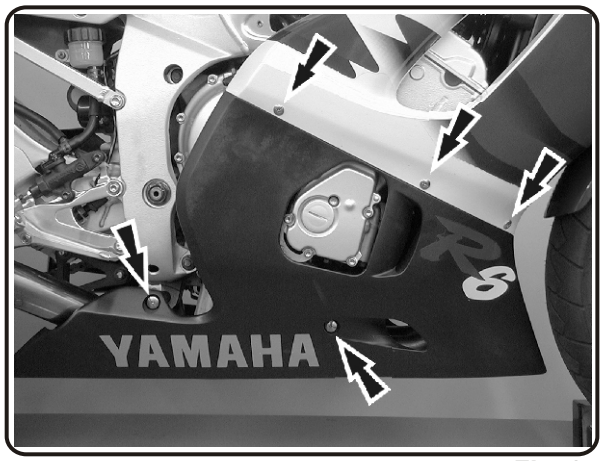


Fig. 2

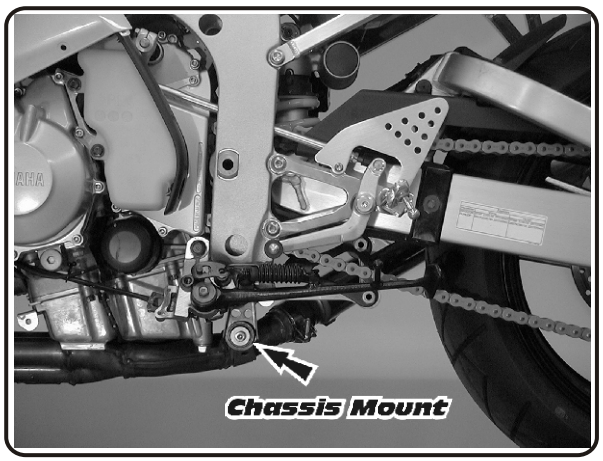


Fig. 4

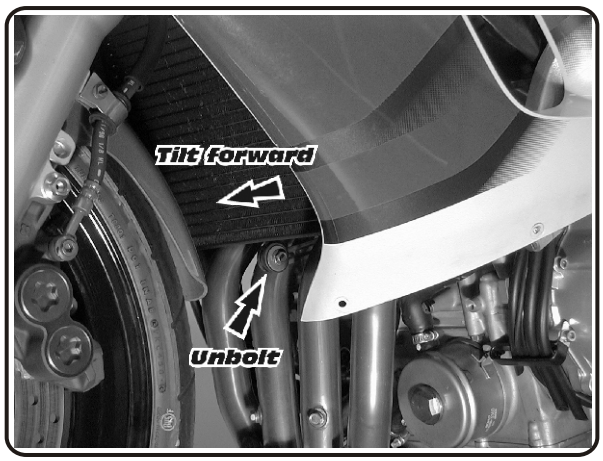


Fig. 3

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, washer. and supplied nut. Torque bolt to 2.5 kg-m (18 lb-ft)

10 Remove passenger and rider seats. Unbolt rear cowling and lift up slightly. (Fig. 5)

11 Remove stock muffler bracket and install Yoshimura aluminum muffler bracket using supplied bolts.
Torque bolts to 2.5 kg-m (18 lb-ft).

12 Install Yoshimura tailpipe with muffler onto header and install 2.5" exhaust springs between header and tailpipe.

13 Apply muffler clamp heat insulator to inside of muffler clamp and slide clamp onto muffler. (Note orientation of clamp in Fig. 6)

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

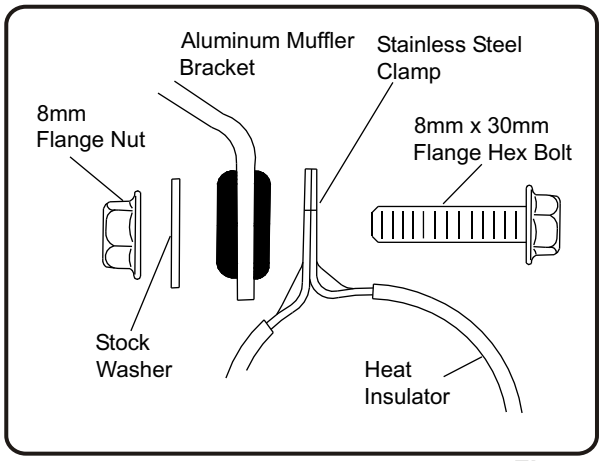


Fig. 7

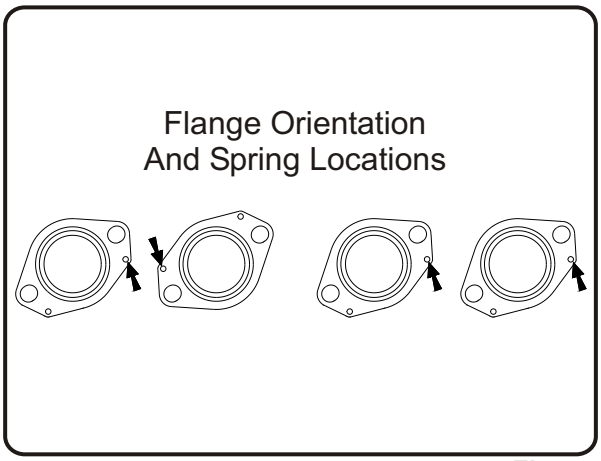


Fig. 5

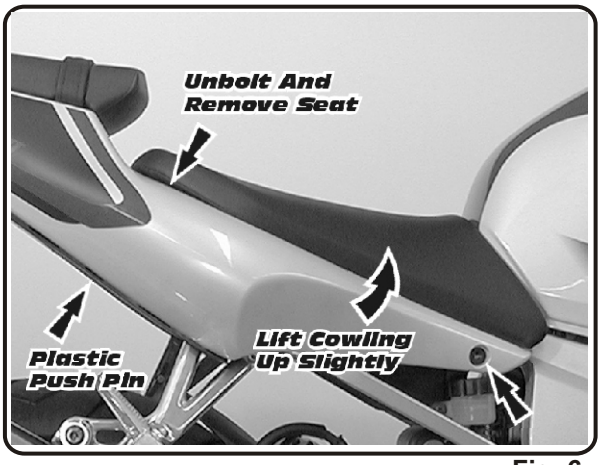


Fig. 6

15 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.

16 Reinstall lower radiator mount bolt.

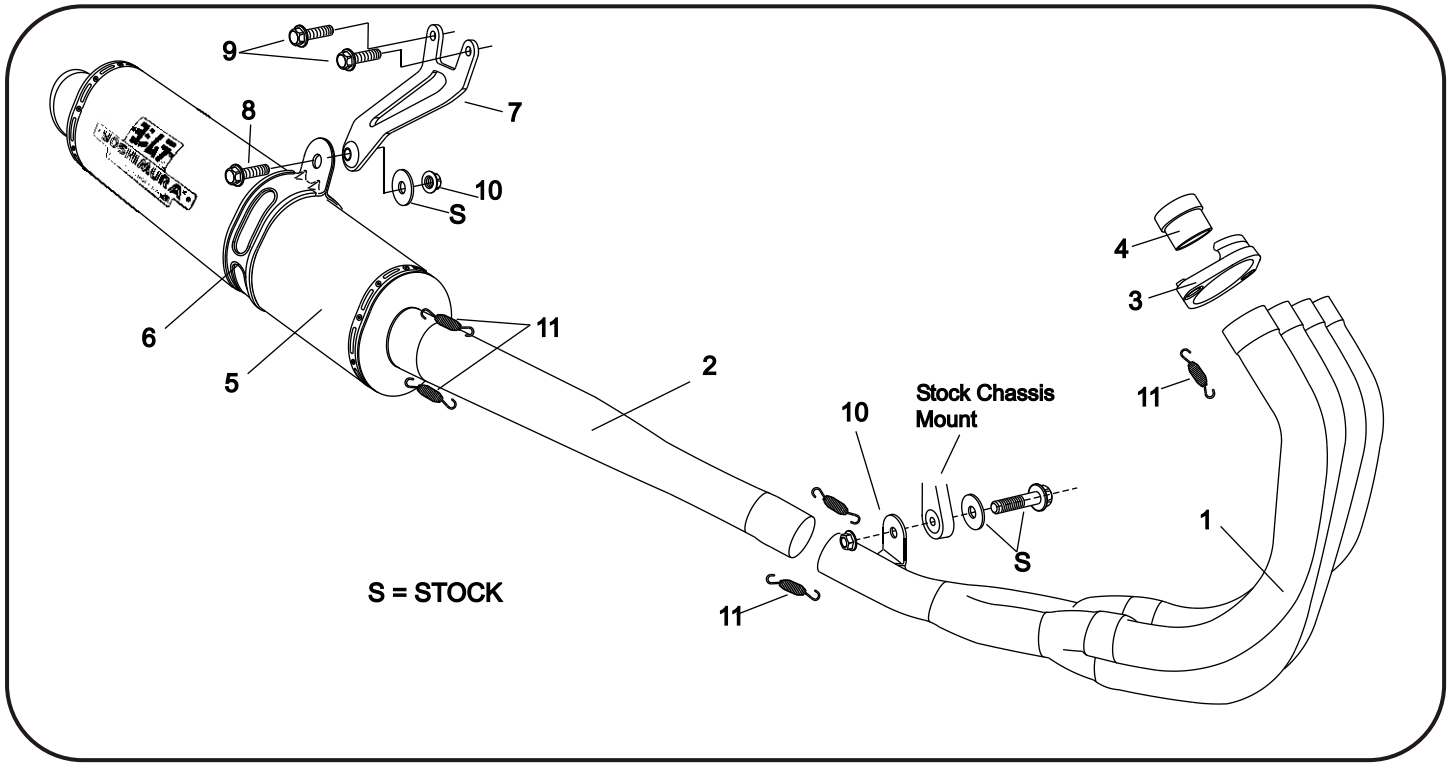
17 Check for proper clearance between new exhaust system and swing arm. If any problem is found, please carefully follow through the installation steps again. If problem still persists, please call Yoshimura tech. Dept. at (800)634-9166 / in CA (909) 628-4722

18 Reinstall cowlings.

19 Check for proper clearance between new exhaust system and cowling.

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

#YZ616RRDS, #YZ617RRD

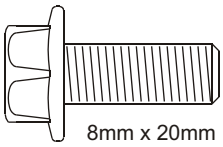


Parts Diagram

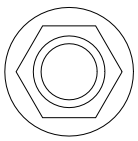
NO.	DESCRIPTION	QTY	PART #
1	Yoshimura Header Stainless Steel Duplex Race Only Titanium Duplex Race Only	1	 YZ616RRHD YZ617RRHD
2	Yoshimura Tailpipe Stainless Steel High Pipe Titanium High Pipe	1	 YZ616RHT YZ617RT
3	Stainless Steel Exhaust Flange	4	YZ616SDR
4	Stainless Steel Exhaust Manifold	4	YZ616SDM
5	RS-3 Oval Muffler Assembly	1	**
6	Stainless Steel Muffler Clamp Stainless Steel or Titanium Sleeve uses Carbon Fiber Sleeve uses	1	 COS450S8ASX COS450S8AS

NO.	DESCRIPTION	QTY	PART #
7	Aluminum Muffler Bracket	1	YZ616AB
8	8mm x 30mm Flange Hex Bolt	1	M8X30H
9	8mm x 20mm Flange Hex Bolt	2	M8X20H
10	8mm Flange Hex Nut	2	8MMNUT
11	2.5" Exhaust Spring	6	RACE-SPS
	3.0" Exhaust Spring	2	RACE-SPL
**	Muffler Clamp Heat Insulator	1	HT SHLDTRS
**	Spring Puller Tool	1	ST-100
**	Duplex Sticker	2	DLABEL
**	Yoshimura Vinyl Sticker	2	17028

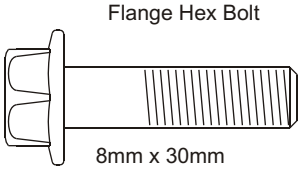
Nuts and Bolts Guide (Actual Size):



8mm x 20mm
Flange Hex Bolt



8mm Flange Nut



8mm x 30mm
Flange Hex Bolt