YOSHIMURA
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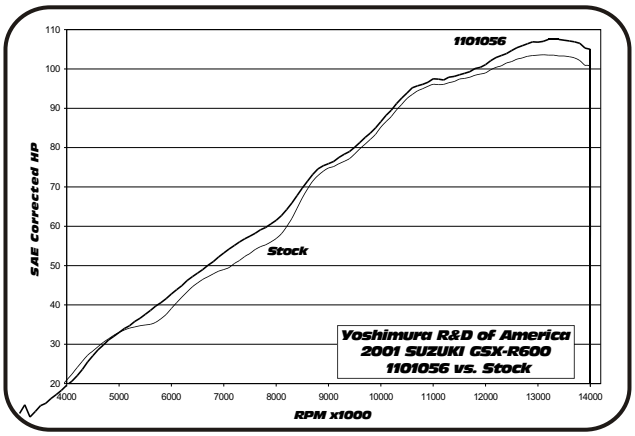
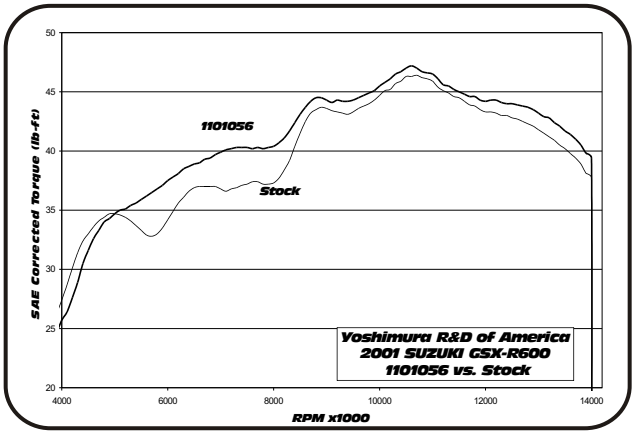
RS-3 OVAL PERFORMANCE EXHAUST SYSTEM

SUZUKI '01-03 GSX-R600

110105 (3,6,8)	STAINLESS STEEL DUPLEX RACE ONLY HIGH PIPE SYSTEM
110111 (3,6,8)	TITANIUM DUPLEX RACE ONLY HIGH PIPE SYSTEM





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:

10mm and 12mm socket
3/8" ratchet and extension
12mm wrench
4mm Allen wrench
6mm Allen wrench for torque wrench
Torque wrench
Soft Face Mallet

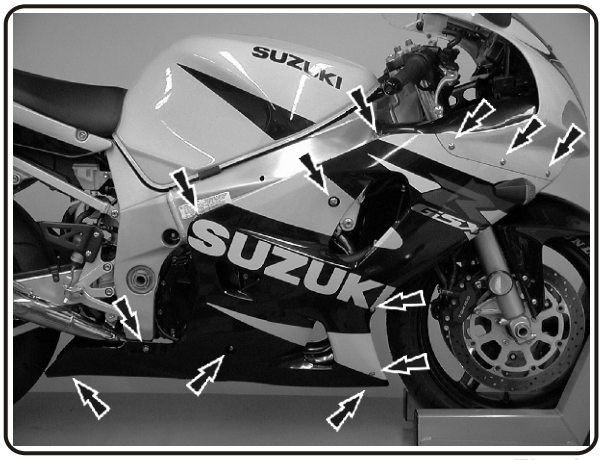


Fig. 1

Installation Steps:

1 Remove left, right and lower rear cowling. (See Fig.1 for fastener locations)

2 Remove lower radiator mount bolt and tilt radiator forward slightly. (See Fig. 2)

3 Remove stock exhaust system and exhaust port gaskets.

4 Install new exhaust port gaskets. (not supplied - Suzuki part no. 14181-46E00)

5 Install supplied manifolds and flanges to exhaust ports using stock bolts. Torque bolts to 1.0 Kg-m (7.3 lb-ft). (Refer to Fig. 3 for proper flange orientation.)

6 Install Yoshimura header onto exhaust manifolds. (Install header from one end of the engine to the other, slip one tube at a time into manifolds).

7 Install 2-1/2" exhaust springs into flange spring holes. (Hook one end of the spring through drilled hole then pull the other end with supplied spring puller tool onto header's spring hook.) (See Fig.3)

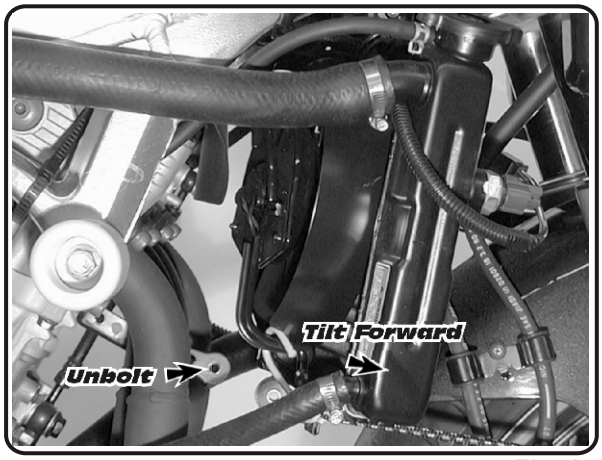


Fig. 2

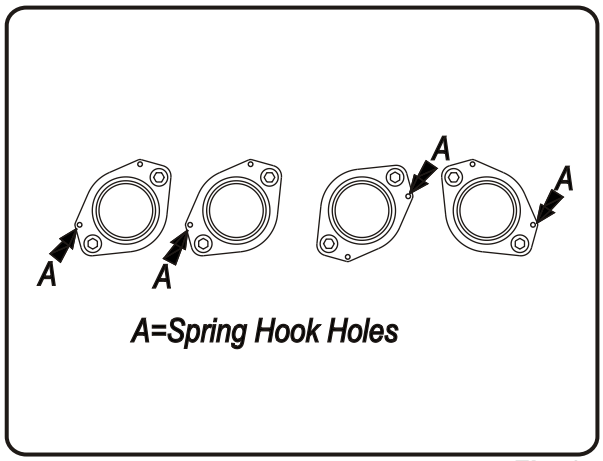


Fig. 3

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

9 Remove stock muffler mounting bracket and replace with Yoshimura aluminum muffler bracket using supplied bolts with stock nuts.

10 Install Yoshimura tailpipe with muffler onto header and install 3-1/2" springs between header and tailpipe.

11 Bolt tailpipe to inside of chassis mount with stock bolt and supplied nut. (See Fig. 4)
Torque bolt to 2.5 kg-m (18 lb-ft)

12 Apply heat insulator to inside of muffler clamp and slide clamp onto muffler.
(Note direction of clamp in Fig. 5)

13 Mount muffler clamp to outside of aluminum bracket using supplied bolt with stock washer and nut. (see Fig. 5)
Torque bolt to 2.5 kg-m (18 lb-ft).

14 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.

15 Reinstall lower radiator mount bolt.

16 Before starting motorcycle, check for proper clearance between new exhaust system and motorcycle. (i.e. radiator, oil pan, swing-arm, etc.) 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.

17 Reinstall cowlings.

18 Check for proper clearance between new exhaust system and cowling before starting engine.

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

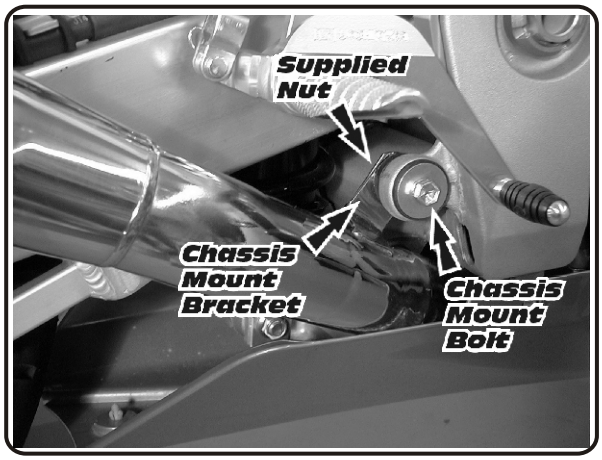


Fig. 4

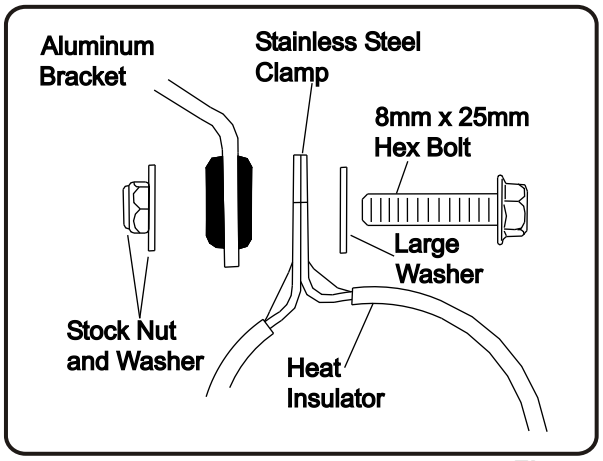
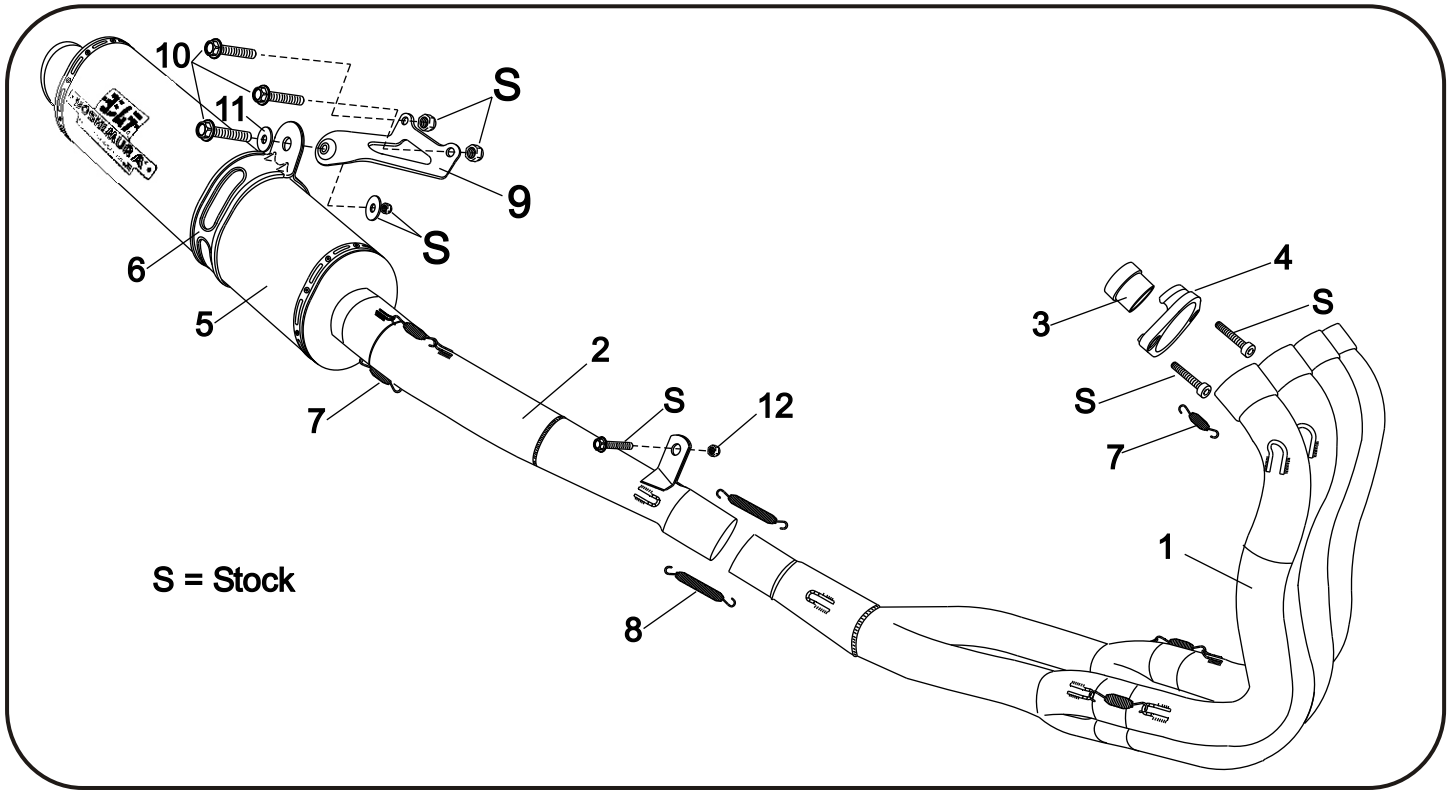


Fig. 5

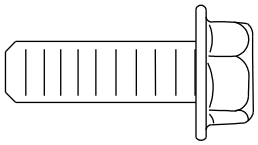
#110105 (3,6,8)/110111(3,6,8)



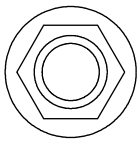
Parts Diagram

NO.	DESCRIPTION	QTY	PART #
1	Yoshimura Header	1	
	Stainless Steel Duplex Race Only		1101-404
	Titanium Duplex Race Only		1101-704
2	Yoshimura Tailpipe	1	
	Stainless Steel Race Only High Exit		1101-421
	Titanium Race Only High Exit		1101-704
3	Stainless Steel Exhaust Manifold	4	YZ616SDM
4	Stainless Steel Exhaust Flange	4	YZ616SDR
5	RS-3 Oval Muffler Assembly	1	**
6	Stainless Steel Muffler Clamp		
	Stainless Steel or Titanium Sleeve uses	1	COS450S8ASX
	Carbon Fiber Sleeve uses	1	COS450S8AS
7	2 1/2" Exhaust Spring	10	SPS-1
8	3-1/2" Exhaust Spring	2	SPL-1
9	Aluminum Hanger Bracket	1	R656AB
10	8mm x 25 Flange Hex Bolt	3	M8X25H
11	Large Washer	1	8MMWASHERL
12	8mm Flange Nut	1	8MMNUT
**	4.5" Heat Insulator	1	HT HSHLDTRS
**	Spring Puller Tool	1	ST-200
**	Yoshimura Vinyl Sticker	2	17028-BLK
**	Duplex Sticker	2	DLABEL

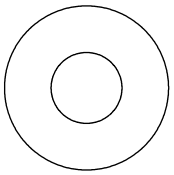
Nuts and Bolts Guide (Actual Size):



8mm x 25mm
Flange Hex Bolt



8mm Flange Nut



8mm Large Flat Washer