YOSHIMURA
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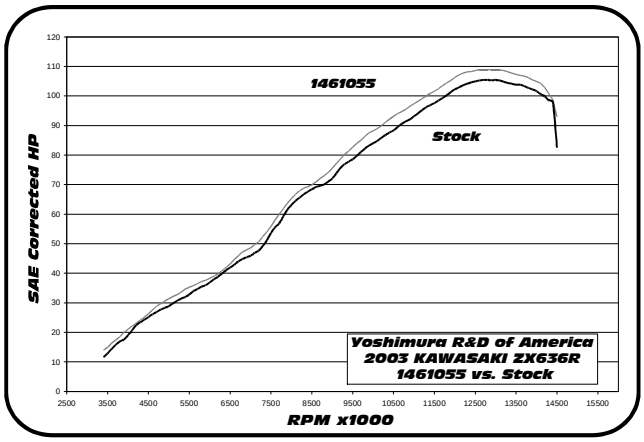
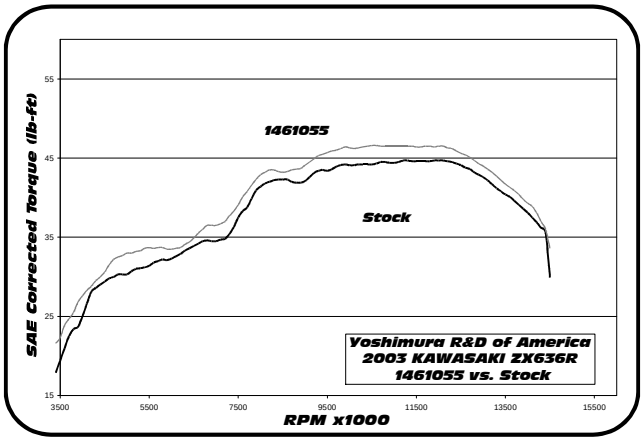
RS-3 OVAL PERFORMANCE EXHAUST SYSTEM

KAWASAKI '03-04 ZX-6R/RR

146105(3,6,8)	STAINLESS STEEL RACE HIGH EXIT SYSTEM

** This system is designed for closed circuit competition use only and requires removal of right rear signal light.





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:

12mm and 14mm sockets
3/8" ratchet and extension
17mm wrench
4mm Allen wrench
Phillips screwdriver
Torque wrench

Fig. 1

Installation Steps:

1 *Remove left and right cowling. (see Fig.1)*

2 *Remove lower radiator bracket and tilt radiator forward slightly. (see Fig. 2 & 3)*

NOTE: To protect radiator duct tape can be used to cover the lower inside portion of the radiator when removing/installing the header.

3 *Remove stock exhaust system and exhaust port gaskets.*

4 *Install new exhaust port gaskets onto Yoshimura Header. (Not supplied - Kawasaki part no. 11060-1203)*

5 *Install Yoshimura header using stock header nuts.*

*NOTE: In some cases it may be neccesary to adjust header tubes for header to fit exhaust ports (See Fig. 4) *Use padding or soft tool**

6 *Torque header nuts to 2.3 kg-m (16.5 lb-ft)*

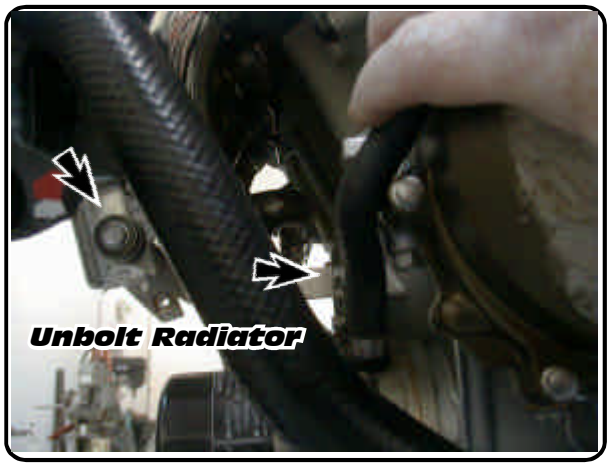


Fig. 2

Fig. 4

Fig. 3

8 Remove right rear stock passenger footrest assembly.

9 Install Yoshimura aluminum muffler bracket using supplied nuts and bolts. (See Diagram on Page 4)

10 Install Yoshimura tailpipe with muffler onto header.

11 Install 3" exhaust springs between header and tailpipe.

12 Insert muffler clamp heat insulator inside muffler clamp and slide clamp onto muffler. (Note direction of clamp in Fig. 4)

NOTE: Prior to bolting muffler clamp, stand at back of bike to check muffler orientation. It may be necessary to rotate muffler so it is aligned up and down with the motorcycle (not tilted to one side of the other).

13 Mount clamp to stock muffler bracket using stock bolt, washer and nut. (See Fig. 4)
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 bracket.

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

15 Reinstall cowlings.

16 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.

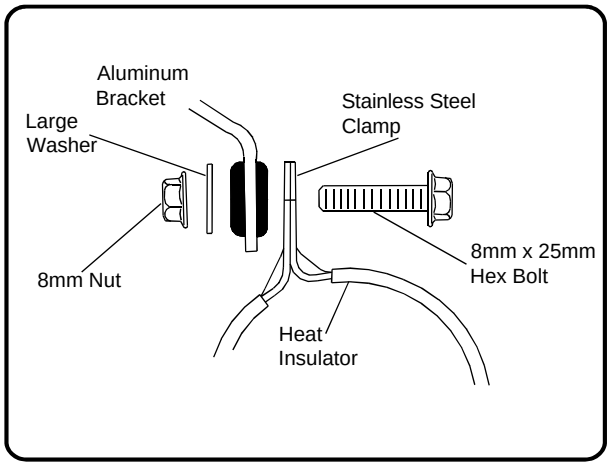
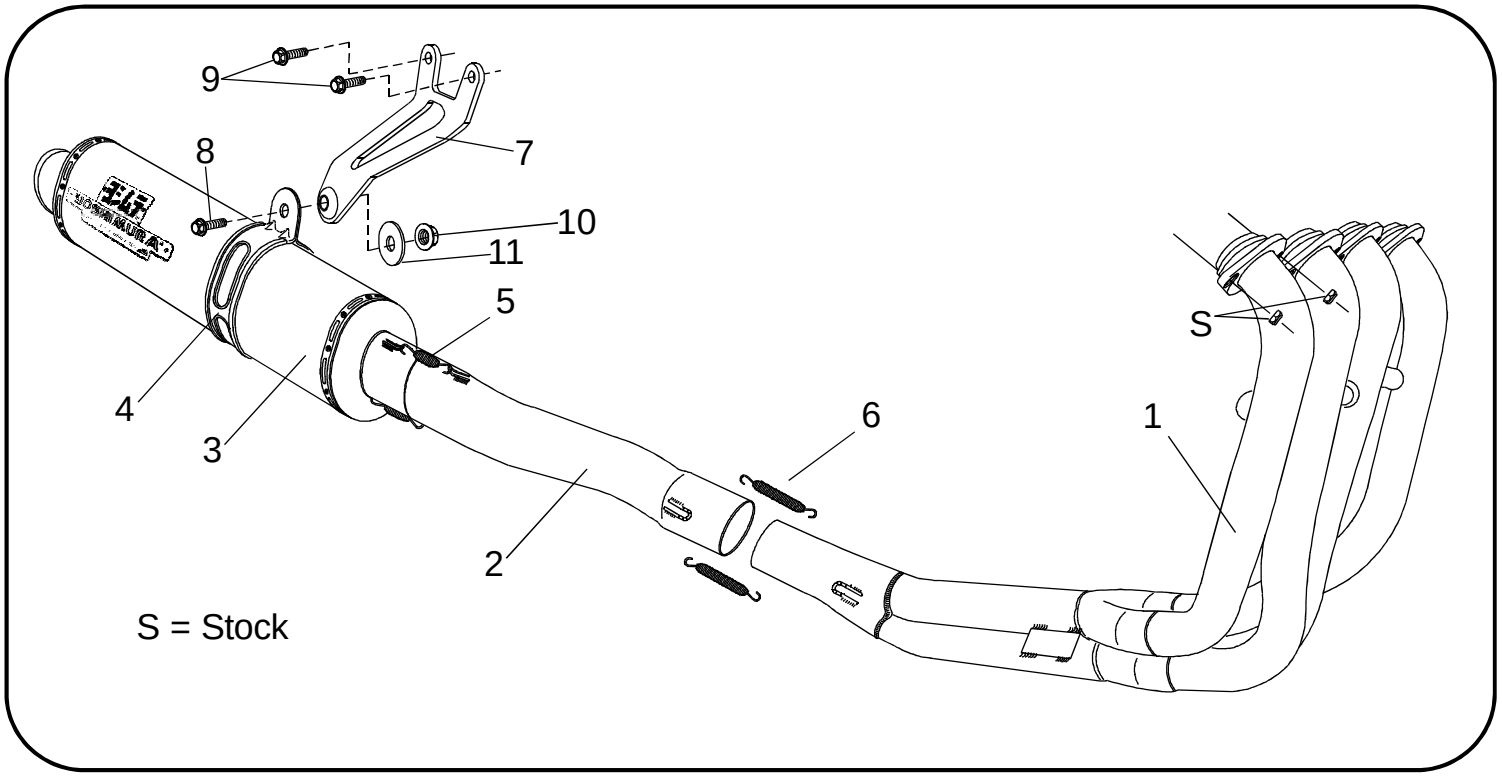


Fig. 5

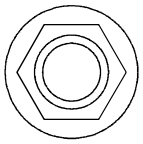
#146105(3,6,8)



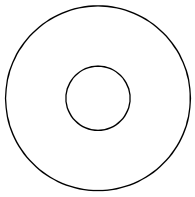
Parts Diagram

NO.	DESCRIPTION	QTY	PART #
1	Yoshimura Header Stainless Steel Race Only	1	 1461-401
2	Yoshimura Tailpipe Stainless Steel Race Only	1	 1461-421
3	RS-3 Oval Muffler Assembly	1	**
4	Stainless Steel Muffler Clamp Stainless Steel or Titanium Sleeve use Carbon Fiber Sleeve use	1	 COS450S8ASX COS450S8AS
5	2.5" Exhaust Spring	2	RACE-SPS
6	3.5" Exhaust Spring	2	RACE-SPL
7	Aluminum High Exit Muffler Bracket	1	1461AB
8	8mm X 25mm Flange Bolt	1	M8X25H
9	8mm X 16mm Flange Bolt	2	M8X16H
10	8mm Hex Nut	1	8MMNUT
11	8mm Large Washer	1	8MMWASHERL
**	Muffler Clamp Heat Insulator	1	HT SHLDTRS
**	Spring Puller Tool	1	ST-100
**	Yoshimura Duplex Sticker	2	DLABEL
**	Yoshimura Vinyl Sticker	2	17028-BLK

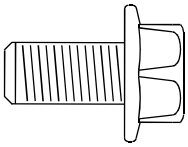
Nuts and Bolts Guide (Actual Size):



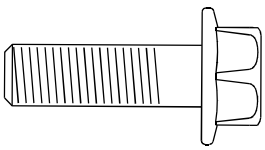
8mm Flange Nut



8mm Large Flat Washer



8mm x 16mm
Flange Hex Bolt



8mm x 25mm
Flange Hex Bolt