



YOSHIMURA

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RACE SERIES

Qualified Manufacturer Declared "Modified Part"

2007~2008

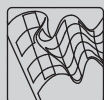
SUZUKI GSX-R1000

1117002 (CF/CF)

1117005 (SS/CF)

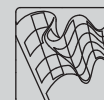
R-77 Stainless Steel Full-System

FOR CLOSED COURSE COMPETITION ONLY; NOT INTENDED FOR STREET USE



Race Series systems are:

- NOT CARB/EPA tail-pipe emissions compliant.
- NOT street legal.
- For "Closed Course Competition" use only.



You must know how to remove and replace your stock exhaust in order to install this product otherwise have it installed by a professional mechanic. Keep all stock parts from your existing system as some components may be necessary to install your new Yoshimura exhaust depending on the application. Read through all instructions before beginning installation. Exhaust system can be extremely hot. Let motorcycle cool down before beginning installation. Always wear hand and eye protection and take precautionary measures to avoid injury.



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:

Metric Socket Set
3/8" ratchet and extension
Metric Combination Wrench Set
Metric Allen Wrench Set
Torque Wrench
Small Flat Head Screwdriver

Installation Steps:

- 1 Remove stock right side tailpipe heatshield (see Fig. 1).
 - 2 Loosen left and right stock collector clamps (see Fig. 2 and 3).
 - 3 Unbolt and remove left and right stock mufflers from passenger foot rest mounts.
 - 4 Remove left and right fairings. Remove underbelly muffler and underbelly muffler mounting brackets.
 - 5 Completely remove exhaust valve cables. Do not remove or unplug exhaust valve servo motor. Only the exhaust valve cables are to be removed. Unscrew O2 sensor. Remove stock header and exhaust port gaskets.
- NOTE:** This Yoshimura full system is designed to be installed without exhaust port gaskets. If exhaust port gaskets are used, there may be insufficient clearance between the header and radiator.
- 6 Drain oil and remove oil cooler and oil lines from motorcycle as one unit. Remove lower radiator bracket and tilt radiator forward.
 - 7 Install Yoshimura manifolds and flanges into exhaust ports using stock header nuts (see Fig. 4 for flange orientation).
 - 8 Torque header nuts to 1.0 kgf-m (7.3 lb-ft).
 - 9 Install Yoshimura header from one end of the engine to the other by slipping one tube at a time onto manifolds.
 - 10 Connect header to flanges using the supplied springs.
 - 11 Bolt header to chassis mount using stock bolt and supplied spacer, washer, and nut (see Parts Diagram on the last page).
 - 12 Install chassis mount bolt but do NOT tighten. Install stock O2 sensor into Yoshimura header.

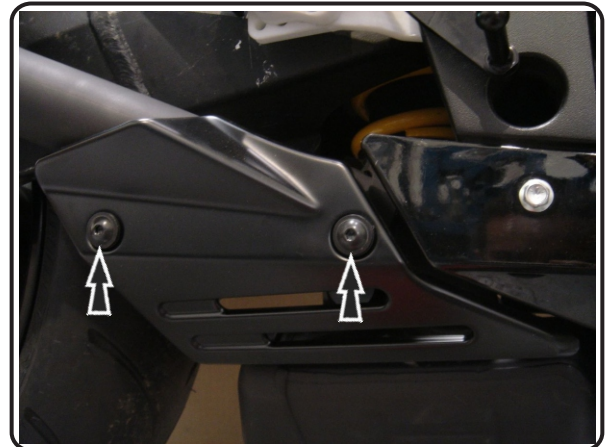


Fig. 1



Fig. 2

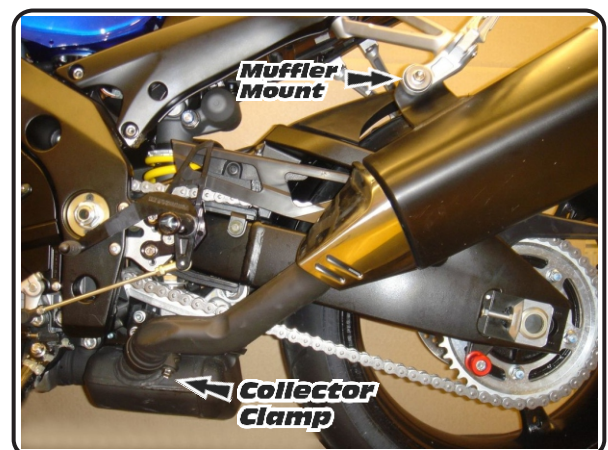
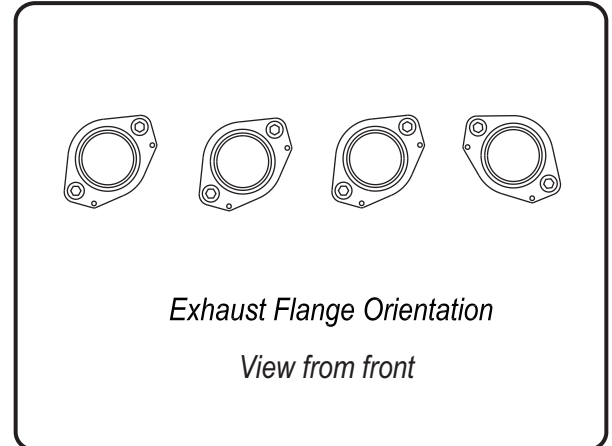


Fig. 3

- 13 *Install rubber heat insulator to inside of muffler clamp.*
- 14 *Slip Yoshimura muffler and tailpipe onto the Yoshimura header.*
- 15 *Mount muffler to stock muffler mounting location using stock hardware.*
- 16 *Torque muffler mount bolt to 2.3 kgf-m (16.5 lb-ft).*
- 17 *Check header and position by adjusting header so that chassis mount bolt lines up. Check for clearance between muffler and swingarm. Torque chassis mount bolt to 2.3 kg-m (16.5 lb-ft). Reinstall lower radiator bracket, oil cooler, oil cooler lines, and replace engine oil to proper level.*
- 18 *Make necessary wiring changes as described on page 4 and 5.*

NOTE: *Failure to perform the needed wiring changes will result in the motorcycle running in a performance restricted safe mode.*
- 19 *Reinstall the left and right side fairings.*
- 20 *Install Yoshimura heatshield onto Yoshimura tailpipe using the supplied hardware. (NOTE: Not used with Carbon Fiber System)*
- 21 *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.*
- 22 *Check for proper clearance between new exhaust system and motorcycle. (i.e. Swing-arm, body work, 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 / in CA (909)628-4722.*

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

**Fig. 4**

Necessary Wiring Changes:

When installing the Yoshimura full system on the 2007 Suzuki GSX-R1000, it is necessary to disable the ECM function that controls the exhaust valve servo motor. The following steps must be followed carefully and correctly. If an error is made, it may cause serious damage to the vehicle. An error of this nature will not be covered under warranty.

CANCELLATION STEPS:

1. Make sure the motorcycle is off.
2. Remove rider seat.
3. Unplug the black coupler from the ECM (see Photo A).

CAUTION: Do not unplug the other coupler from the ECM.

4. Unlock the and remove the orange cover on the black coupler (see Photo B).

CAUTION: Be careful not to break the coupler lock when removing the orange cover.

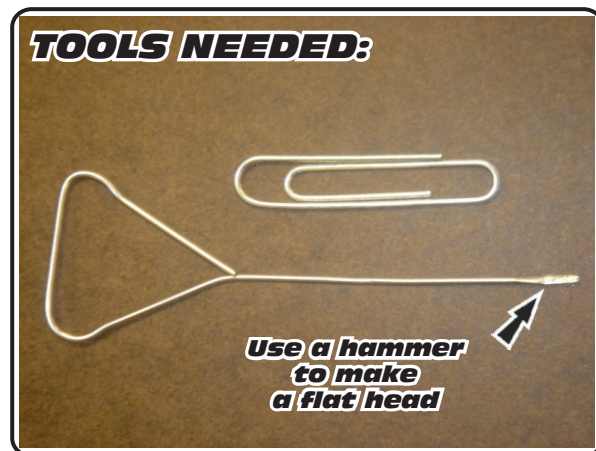
TOOLS NEEDED:

Photo A

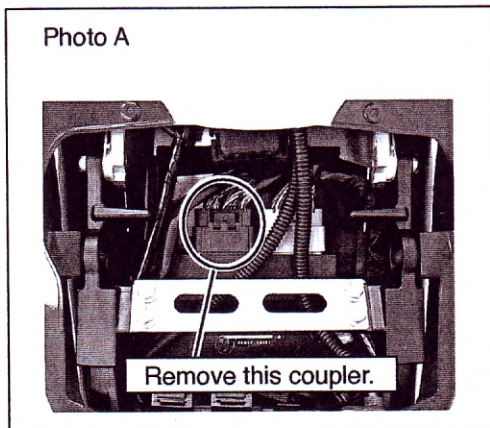
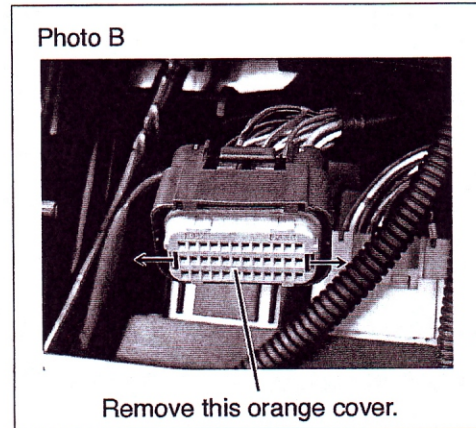


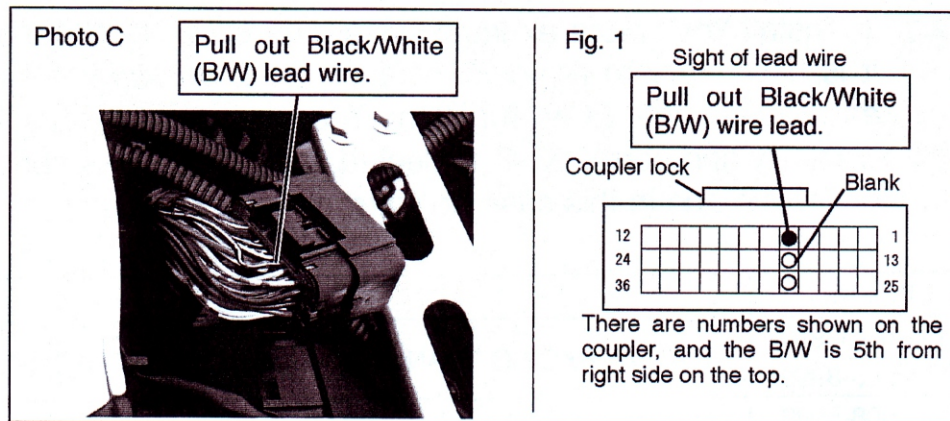
Photo B



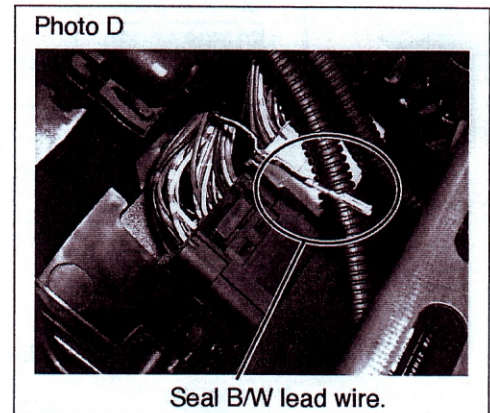
5. Pull out the Black / White wire (black wire with white stripe) from the black coupler (see Photo C and Fig. 1 for wire location).



Do not pull out any other wire besides the Black / White wire shown in Photo B. Do not pull out a Black / White wire in a different location. If you do not heed this warning, serious damage to your motorcycle may result.

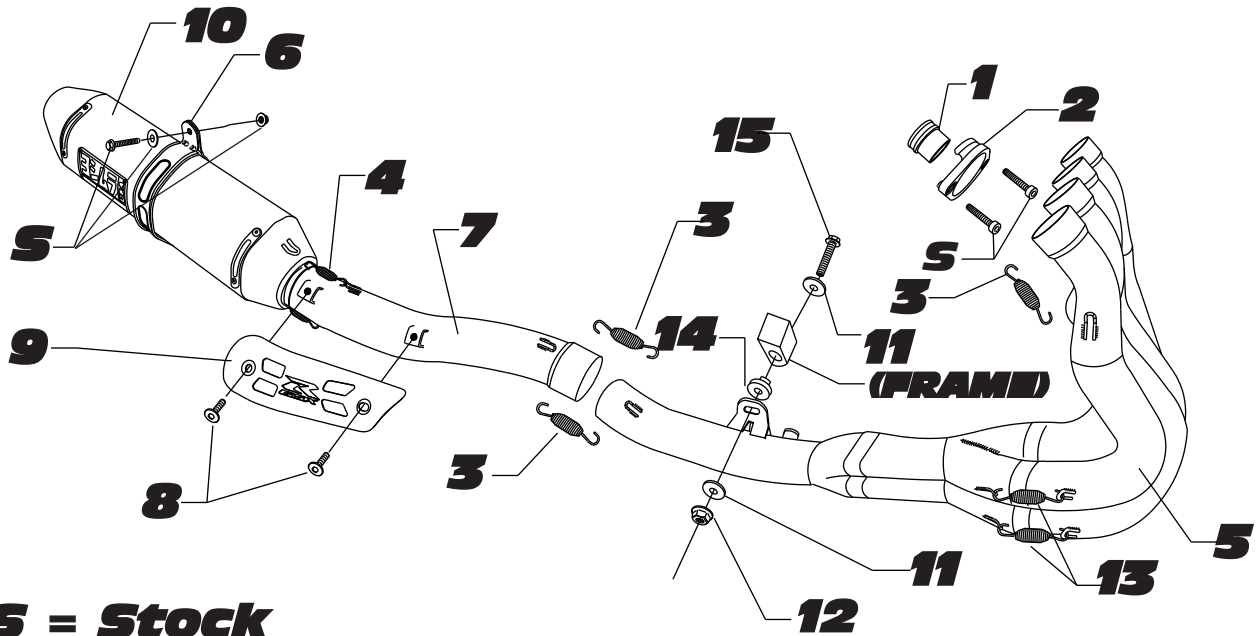


6. Insulate the exposed Black / White wire that you pulled in the previous step. Failure to insulate the exposed wire may result in serious damage to the motorcycle.
7. Reinstall orange cover onto the black coupler and plug the black coupler back into the stock ECU.
8. Reinstall the rider seat.
9. Turn on the ignition switch and start the engine. Check that there is no "FI" error code visible on the dash.



If an "FI" error code is visible on the dash, there is a possibility that a wire other than the Black / White wire has been pulled out. Turn the key to the "OFF" position immediately and carefully follow through the instruction steps again. If this problem is not resolved, it may cause serious damage to the motorcycle.

#111700(2,5,6,7)



Parts Diagram

NO.	DESCRIPTION	QTY	PART #
1	Yoshimura Stainless Steel Manifold	4	1117SDM
2	Yoshimura Stainless Steel Flange	4	YZ117SDR-01
3	Medium Race Spring	8	RACE-SPS-1
4	82MM Race Spring	2	RACE-82MM
5	Yoshimura Header	1	1117-404
6	Stainless Steel Muffler Clamp Stainless Steel or Titanium Sleeve use Carbon Fiber Sleeve use	1	1121-MPCAX 1121-MPCA
7	Yoshimura Tailpipe	1	1117-419
8	Heatshield Bolts	2	RC116HSB
9	Yoshimura Heatshield	1	1117-HSR
10	Yoshimura R77 Muffler with Carbon Fiber Sleeve with Stainless Steel Sleeve with SS Sleeve and SS Endcap with Titanium Sleeve	1	CRR77146W SRR77146W SRR77146W-SS TRR77146W
11	Large 8mm Washer	2	8MMWASHERL
12	8mm Nut	1	8MMNUT
13	Small Race Spring	4	RACE-SPX-1
14	Aluminum Spacer	1	ALS-014
15	8mmX45 Flanged Hex Head Bolt	1	M8X45H
**	Muffler Clamp Heat Insulator	1	HT SHLDR77
**	Spring Puller Tool	1	ST-200
**	Yoshimura Sticker Kit Sheet	1	17029