



YOSHIMURA

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YOSHIMURA PERFORMANCE EXHAUST SYSTEM

**SUZUKI
2009-2011
GSX-R1000**

11180021	R77 FULL SYSTEM WITH CARBON FIBER SLEEVE
11180051	R77 FULL SYSTEM WITH STAINLESS SLEEVE
11180061	R77 FULL SYSTEM WITH SS SLEEVE AND SS ENDCAP
11180071	R77 FULL SYSTEM WITH TITANIUM SLEEVE



**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 FUEL INJECTION OF ANY VEHICLE.

Caution: 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: 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 Loosen left and right stock collector clamps (see Fig. 1 and 2).
- 2 Unbolt and remove left and right stock mufflers from passenger foot rest mounts.
- 3 Remove left and right fairings. Remove underbelly muffler and underbelly muffler mounting brackets. Unscrew O2 sensor.
- 4 Completely remove exhaust valve cables. Do not remove or unplug exhaust valve servo motor. Only the exhaust valve cables are to be removed.
- 5 Unbolt oil cooler from bracket. Remove lower radiator bracket and tilt radiator forward. (Fig. 3)
- 6 Remove stock header and exhaust port gaskets.
- 7 Install Yoshimura manifolds and flanges into exhaust ports using stock header bolts (see Fig. 4 for flange orientation). Install exhaust springs onto flanges for ease of installation.

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.

- 8 Install Yoshimura header from one end of the engine to the other by slipping one tube at a time onto manifolds. (NOTE: Make sure header is fully seated to manifold. This may be accomplished by lightly tapping the header with a soft faced mallet.)
- 9 Connect header to flanges using the supplied springs.
- 10 Bolt header to chassis mount using stock bolt, washer, spacer, supplied washer and supplied nut (See Parts Diagram and Fig. 5). Orientation from left side of the bike is as follows: Stock bolt, stock washer, chassis, stock spacer, Yoshimura tailpipe mount, supplied washer, supplied nut. Do not torque at this time.

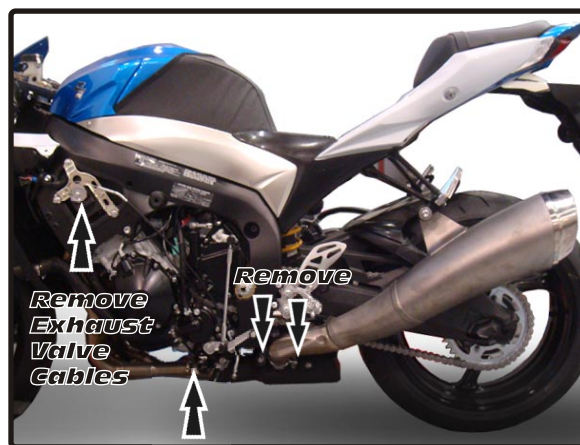


Fig. 1

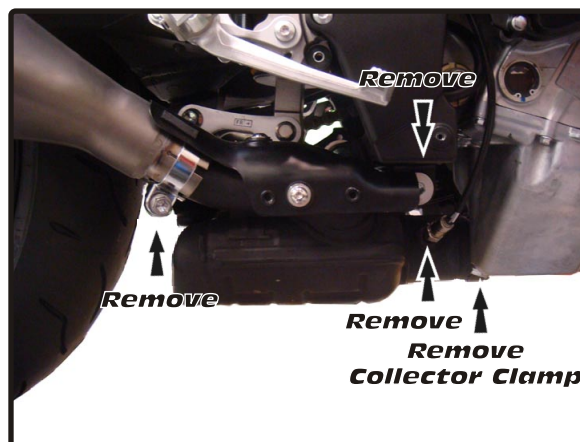


Fig. 2



Fig. 3

- 11 Install chassis mount bolt but do not tighten at this time.. Install stock O2 sensor into Yoshimura header.
 - 12 Install rubber heat insulator to inside of muffler clamp. Slide muffler clamp onto Yoshimura muffler. (NOTE: Carbon Fiber system does not use insulator)
 - 13 Slip Yoshimura muffler and tailpipe onto the Yoshimura header.
 - 14 Mount muffler to stock muffler mounting location using stock hardware. Do not torque at this time. (Fig. 6)
 - 15 Install supplied exhaust springs to header and tailpipe.
 - 16 Check header and tailpipe position by adjusting header so that chassis mount bolt lines up. Check for clearance between muffler and swingarm.
 - 17 Reinstall lower radiator bracket and oil cooler bracket.
 - 18 Torque header nuts to 1.0 kgf-m (7.3 lb-ft).
 - 19 Torque chassis mount bolt to 2.3 kg-m (16.5 lb-ft).
 - 20 Torque muffler mount bolt to 2.3 kgf-m (16.5 lb-ft).
 - 21 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.
- 22 Reinstall the left and right side fairings.
 - 23 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.
 - 24 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.

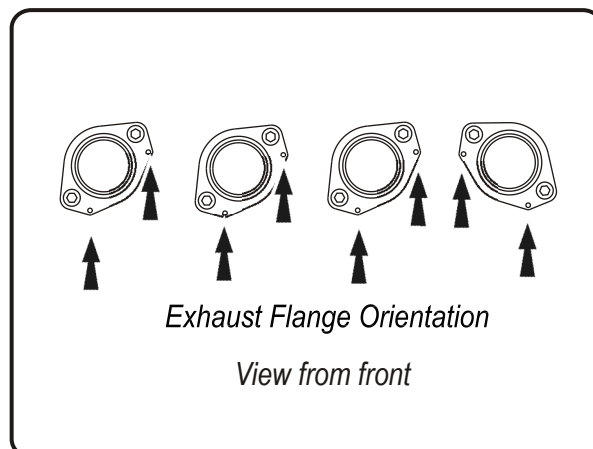


Fig. 4



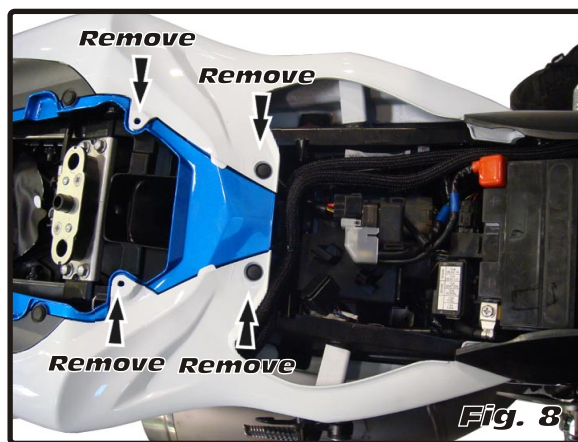
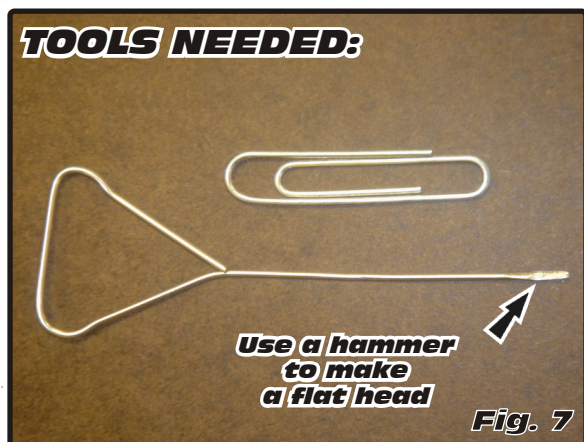
Fig. 5



Fig. 6

Necessary Wiring Changes:

When installing the Yoshimura full system on the 2009 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 and passenger seat.
3. Remove plastic cover. (See Fig. 8)
4. Unplug the black coupler from the ECM (see Photo A).

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

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

Photo A

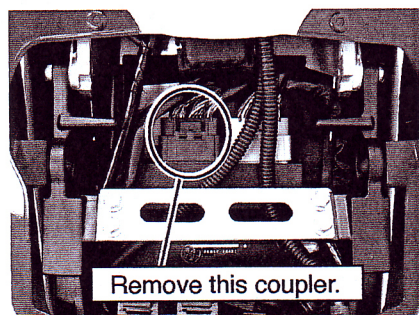
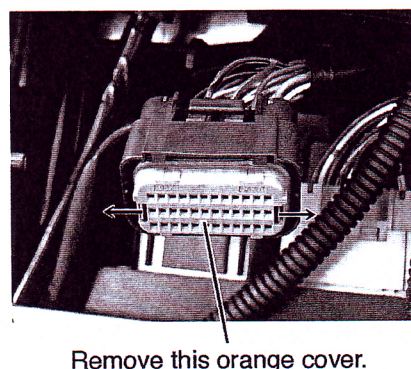
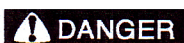


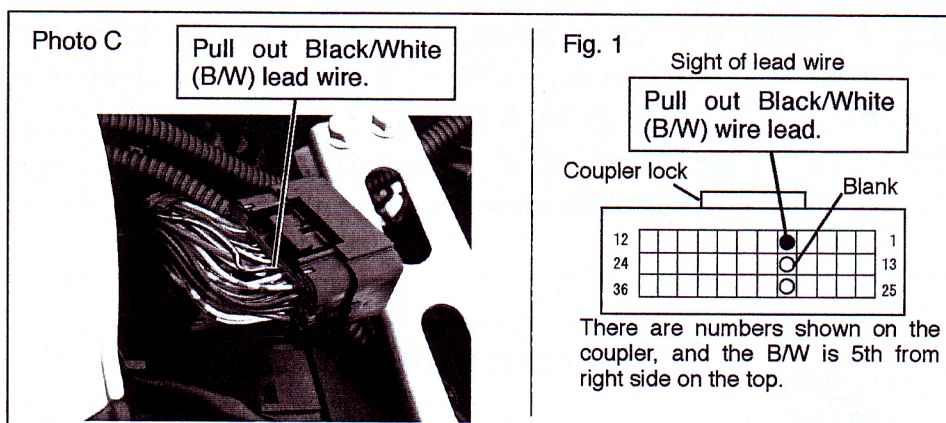
Photo B



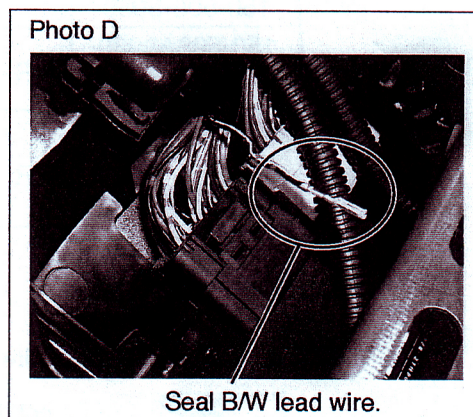
6. Pull out the Black / White wire (black wire with white stripe) from the black coupler (see Photo C and Fig. 1 for wire location).

**DANGER**

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.



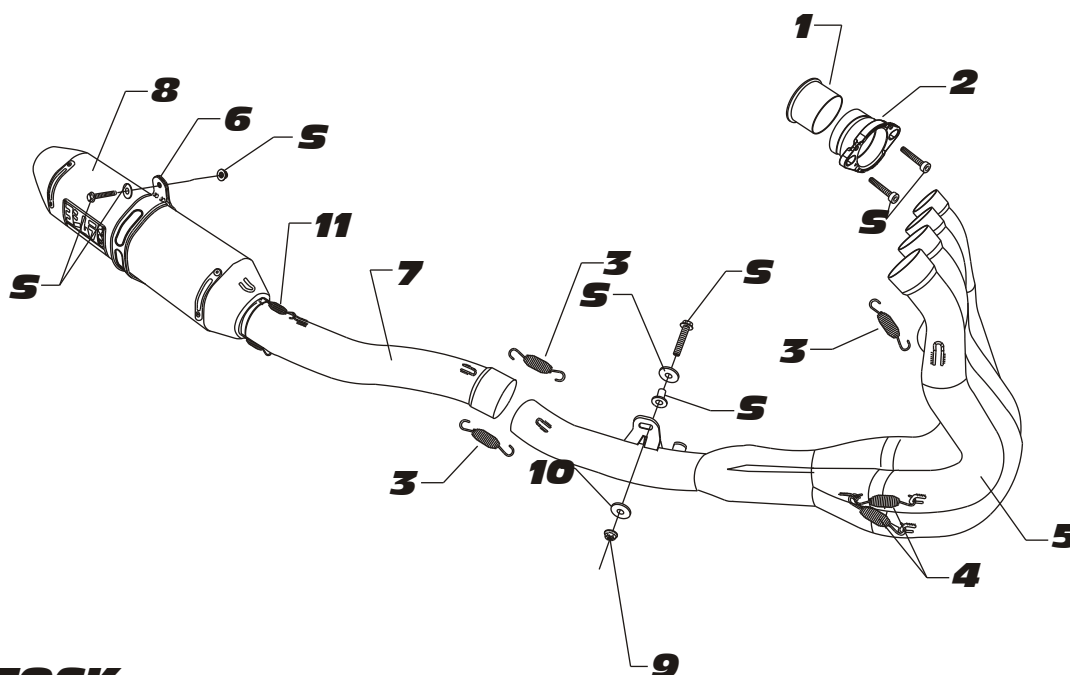
7. Insulate the exposed Black / White wire that you pulled in the previous step. Failure to insulate the exposed wire may result in serious damage to the motorcycle.
8. Reinstall orange cover onto the black coupler and plug the black coupler back into the stock ECU.
9. Reinstall plastic cover using the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

**DANGER**

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.

NOTE: The Yoshimura header includes an adapter for the O2 sensor bung to be used with the M12X1.25 OEM O2 sensor. In the case that an aftermarket O2 sensor is utilized requiring an M18X1.5 thread pitch, remove the adapter shown in Fig. 9 to reveal the M18X1.5 bung.

**Fig. 9**

#111800(21,51,61,71)

S=STOCK

Parts Diagram

NO.	DESCRIPTION	QTY	PART #
1	Yoshimura Stainless Steel Manifold	4	1118SMT
2	Yoshimura Stainless Steel Flange	4	1118SDY
3	Small Race Spring	10	RACE-SPX-1
4	Medium Race Spring	4	RACE-SPS-1
5	Yoshimura Header	1	11181-404F
6	Stainless Steel Muffler Clamp Stainless Steel or Titanium Sleeve use Carbon Fiber Sleeve use	1	1121-MPCAX 1121-MPCA
7	Yoshimura Tailpipe	1	1118-419
8	Yoshimura R77 Muffler with Carbon Fiber Sleeve with Stainless Steel Sleeve with SS Sleeve and SS Endcap with Titanium Sleeve	1	CRR77F146W SRR77F146W SRR77146W-SS TRR77F146W
9	8mm Nut	1	8MMNUT
10	8mm Washer XL	1	8MMWASHERXL
11	82mm Exhaust Spring	2	RACE-82MM
**	Low Volume Insert Kit For 1118006 For 111800(2,5,7)	1	INS-03-K INS-04-K
**	Muffler Clamp Heat Insulator	1	HT SHLDR77
**	Spring Puller Tool	1	ST-200
**	Yoshimura Sticker Kit Sheet	1	17029