



YOSHIMURA

RESEARCH&DEVELOPMENT OF AMERICA, INC.

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RACE SERIES

Qualified Manufacturer Declared "Modified Part"

2008~2016

Suzuki GSX1300R Hayabusa

1121002 (CF/CF)

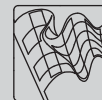
R-77 Stainless Steel Full-System

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. 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 | Metric Allen Wrench Set |
| Ratchet and Extension | Torque Wrench |
| Metric Combination Wrench Set | Yoshimura Spring Puller |
| Allen Swivel Socket Set | |

Installation Steps:

- 1 Remove mid and lower fairings.
- 2 Remove lower oil cooler mounting bracket completely from motorcycle (This must be removed to install Yoshimura header with duplex). Also, to ease removal and create more header to radiator clearance, remove lower radiator mount bolt and the bolts connecting the oil cooler to the radiator.

- 3 Remove stock mufflers, stock header, and stock exhaust port gaskets.

NOTE: Exhaust port gaskets will not be used with Yoshimura exhaust system.

NOTE: Stock oxygen sensor must be removed from stock header before stock header can be removed. Stock oxygen sensor will be reinstalled into Yoshimura header.

- 4 Install Yoshimura manifolds and flanges using the stock header bolts (see Fig. 1 for flange orientation). Leave header bolts loose to ease Yoshimura header installation.
- 5 Install header from one side of the engine to the other. Slip one tube at a time onto manifolds.
- 6 Loosen two bolts holding stock chassis bracket to chassis. Bolt header to chassis mount using supplied hardware (see Fig. 2 and parts diagram on page 4). Tighten stock chassis bracket.
- 7 Install stock oxygen sensor into Yoshimura header.
- 8 On the right passenger footrest / muffler mount, switch the stock metal insert from the outside of the right rubber muffler mount grommet to the inside of the right rubber muffler mount grommet (see Fig. 3). Remove the left side stock metal insert.



Fig. 1



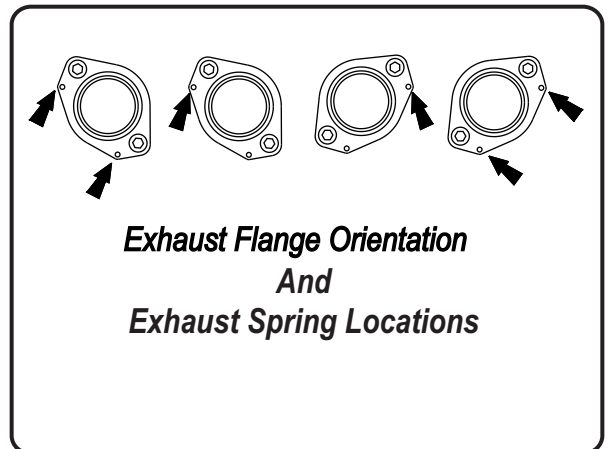
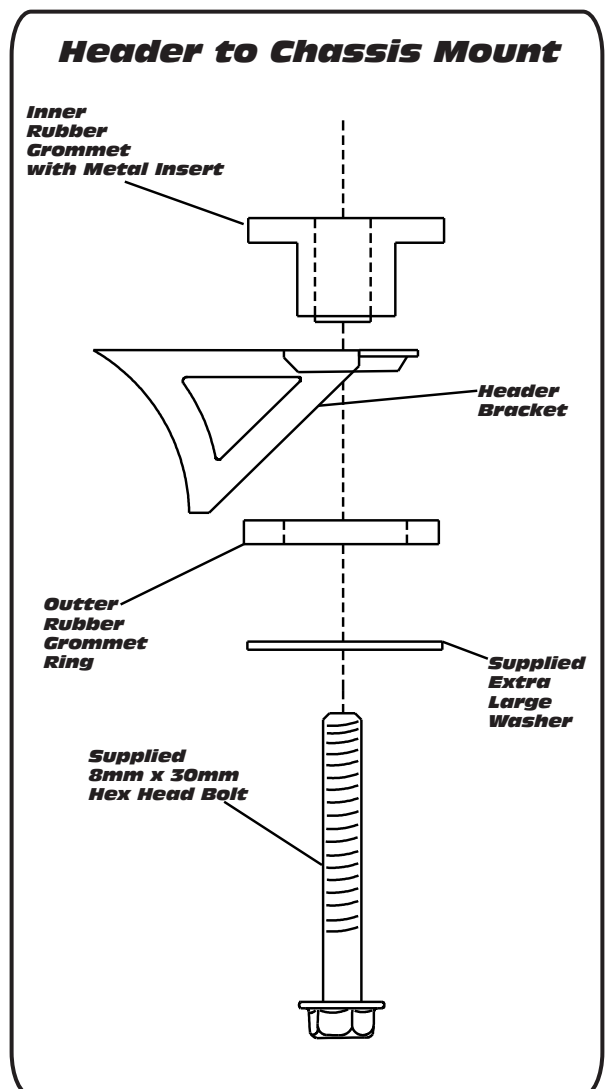
Fig. 2



Fig. 3

- 9 Install rubber heat insulator to the inside of the Yoshimura muffler clamp and slide Yoshimura muffler clamp over the Yoshimura muffler. (NOTE: Insulator not used with Carbon Fiber System)
- 10 Install Yoshimura tailpipe and muffler onto the Yoshimura header and secure using the supplied exhaust springs.
- 11 Bolt muffler to the right passenger footrest (right stock muffler mount location) using the stock muffler mount hardware (see Fig. 3).
- 12 Torque header bolts to 14 lb-ft (2.0 kg-m).
- 13 Torque chassis and muffler mount bolts to 2.3 kgf-m (16.5 lb-ft).
- 14 Standing at the back of the motorcycle, check for proper alignment of the muffler. Adjust if necessary.

NOTE: To adjust fitment, it may be necessary to rotate the tailpipe or the muffler independently until proper alignment of the muffler is achieved.
- 15 It is recommended that the entire Yoshimura 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.
- 16 Reinstall all stock items that were removed while removing the stock header.

**Fig. 1****Fig. 2**

- 17 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.

NOTE: In order to maximize performance, the Yoshimura R&D header design restricts removal of the oil filter when performing maintenance services. To remove the oil filter, two options are available: 1) remove right side oil cooler hose and remove oil filter from right side of header, 2) remove lower radiator bracket and remove oil filter between #2 and #3 header tubes. If removing the right side radiator hose, after installing the new oil filter make sure to use a new o-ring when reinstalling the hose and torque to 10 N-m (1.0kgf-m, 7.0 lb-ft). If removing the lower radiator bracket, reinstall bracket after new oil filter has been installed and tighten bracket bolts to (1.0kgf-m, 7.0 lb-ft).

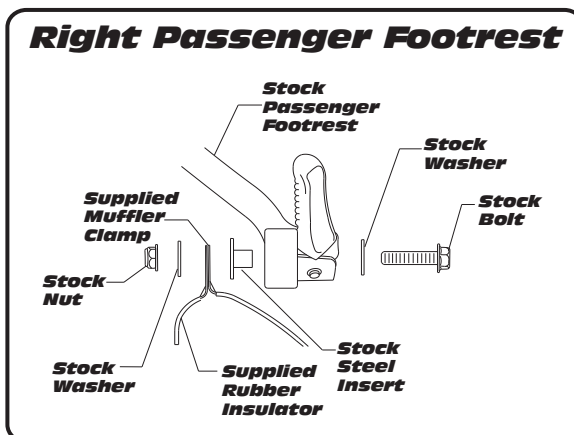
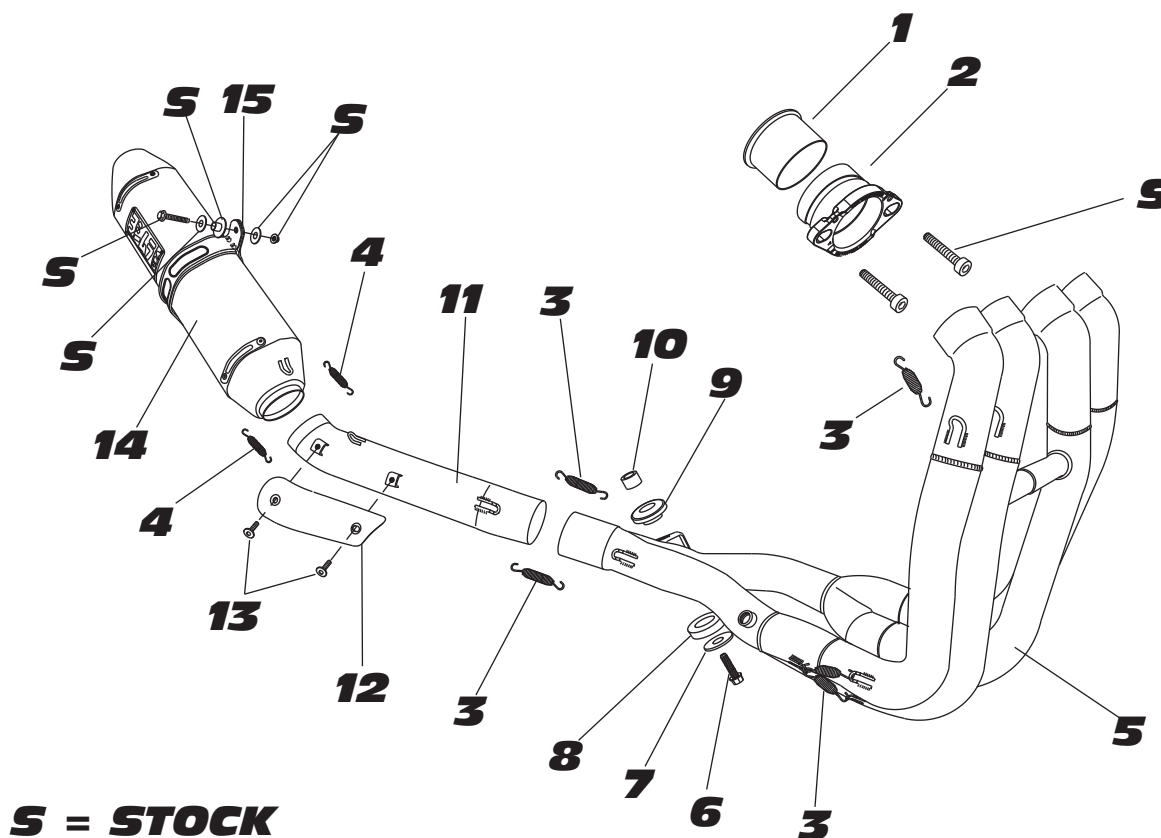


Fig. 3

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 5 to reveal the M18X1.5 bung.



Fig. 4

#112100(2,5,6,7)


Parts Diagram

| NO. | DESCRIPTION | QTY | PART # |
|-----|--|-----|---|
| 1 | Yoshimura Exhaust Manifold | 4 | 1118SMT |
| 2 | Yoshimura Exhaust Flange | 4 | 1118SDY-1 |
| 3 | Medium Race Spring | 12 | RACE-SPS-1 |
| 4 | 82MM Race Spring | 2 | RACE-82MM |
| 5 | Yoshimura Header | 1 | 1121-404-1 |
| 6 | 8mm x 30mm Hex Head Bolt | 1 | M8X30H |
| 7 | Extra Large Washer | 1 | 8X38WSH |
| 8 | Rubber Grommet Outer | 1 | Z1030 |
| 9 | Rubber Grommet Inner | 1 | Z1031 |
| 10 | Metal Insert for Rubber Grommet | 1 | Z1031-SP |
| 11 | Yoshimura Tailpipe | 1 | 1121-419 |
| 12 | Yoshimura Tailpipe Heatshield | 1 | 1121-HSR |
| 13 | Heatshield Mounting Bolts | 2 | RC116HSB |
| 14 | Yoshimura Muffler with Carbon Fiber Sleeve with Stainless Steel Sleeve & Stainless Endcap with Stainless Steel Sleeve with Titanium Sleeve | 1 | CRR77146W SRR77146W-SS SRR77146W TRR77146W |
| 15 | Stainless Steel Muffler Clamp with Carbon Fiber Sleeve with Stainless Steel or Titanium Sleeve | 1 | 1121-MPCR 1121-MPCR-X |
| ** | Muffler Clamp Heat Insulator | 1 | HT SHLDR77 |
| ** | Spring Puller Tool | 1 | ST-200 |
| ** | Yoshimura Vinyl Sticker | 2 | 17028-BLK |