

## SUZUKI GSX-8S/8R STAINLESS FULL SYSTEM R-11Sq R

Be sure to read the instruction carefully before starting the work. It is necessary to follow the contents to install Yoshimura product.

Product information



### 1. Product Information :

Description	SUZUKI GSX-8S/8R STAINLESS FULL SYSTEM R-11Sq R	Cyclone Type	S118S1QC1
Part Number	Metal Magic Sleeve (SM) : 1F0-118-C12G0	Main Material	Stainless steel
	Satin Finish Sleeve (SSF) : 1F0-118-C13G0	Weight [STD : 7.8kg]	(SM) & (SSF) : 7.7kg
	Titanium Blue Sleeve (STB) : 1F0-118-C16G0		(STB) : 7.5kg
EEC Approval No.	e1 00148F / e1 00055G		

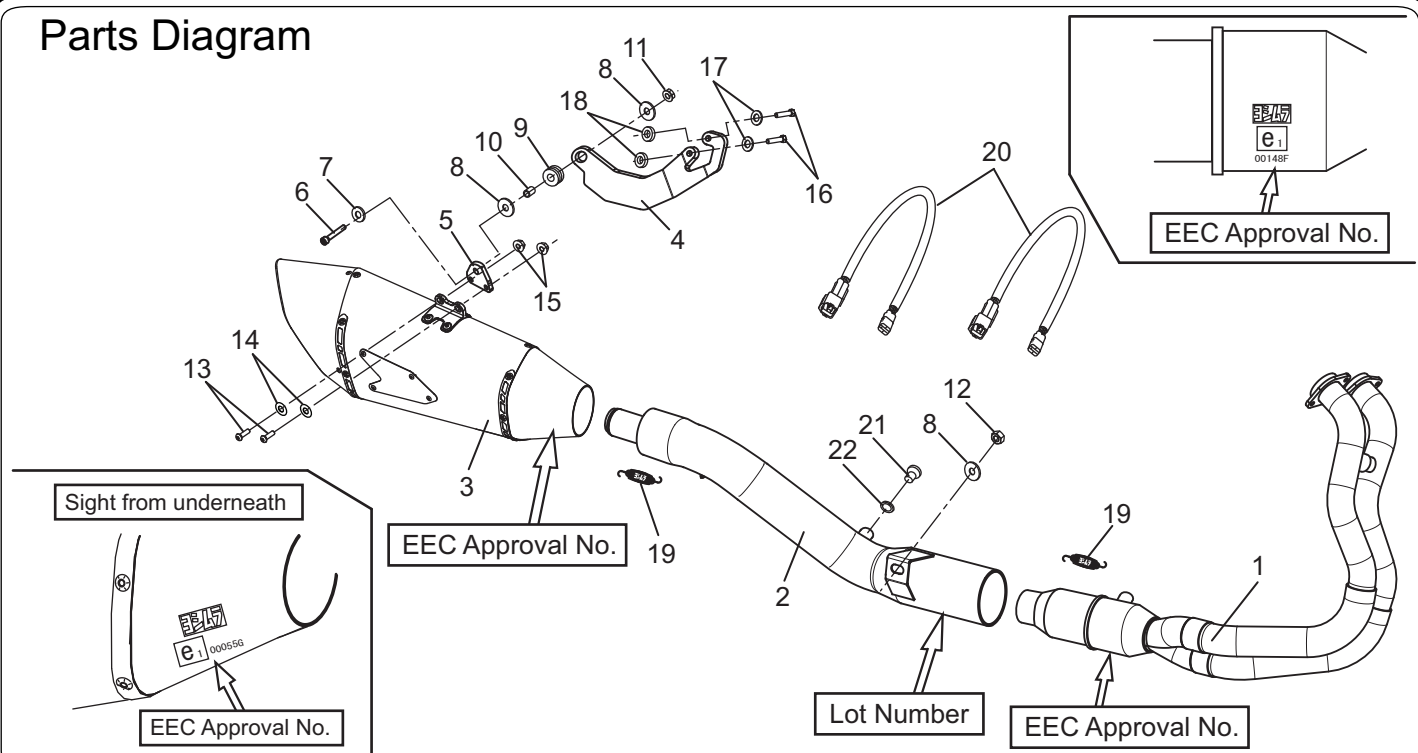
### 2. Applicable Model :

Model	SUZUKI GSX-8S(23-25) / GSX-8R (24-25)
-------	---------------------------------------

### 3. Contents:

No.	Descriptions	Part No.	Q'ty	No.	Descriptions	Part No.	Q'ty
1	Header Assy	143-118-5F00	1	12	U Nut M8	820-008-1250	1
2	Tailpipe	1F5-118-C100	1	13	Button Bolt M6x20	803-206-4020	2
3	Silencer Assy, (SM)	1F6-118-C12G0	1	14	Washer M6x13	812-206-1310	2
	Silencer Assy, (SSF)	1F6-118-C13G0		15	Flange Nut M6	823-006-1000	2
	Silencer Assy, (STB)	1F6-118-C16G0		16	Hex Bolt M8x20(Black)	802-708-5020	2
4	Silencer Bracket #1	161-118-0310	1	17	Washer M8x20(Black)	812-908-2015	2
5	Silencer Bracket #2	161-118-0230	1	18	Spacer 8-20-3(Black)	850-008B2003	2
6	Cap Bolt M8x30	800-208-5030	1	19	Exhaust Spring	118-001-2000	2
7	Washer M8x20	812-108-2000	1	20	Extension Cable	101-118-1000	2
8	Washer M8x26	812-108-2600	3	21	Blind Plug	862-112-1812	1
9	Grommet Rubber	553-565-0000	1	22	Washer for Plug	812-112-0000	1
10	Grommet Spacer	850-208-1212	1	-	Zip Tie	831-002-0150	6
11	Flange Nut M8	823-008-1250	1				

### Parts Diagram



## 4. Installation steps:

### ⚠ CAUTION

Before beginning installation, let motorcycle cool down.

### ⚠ CAUTION

Be sure not to damage each part during installation.

### ⚠ CAUTION

Torque specification must be followed. If neglected, it may cause bolt and nut to fall off and damage to Yoshimura product and motorcycle.

### ⚠ CAUTION

Metal Magic sleeve is coated with heat-resistant paint. Handle with care not to be hit or scratched by surroundings as the coating may come off. When cleaning silencer, use soft cloth with dish soap but do not use metal polish or chemical cleaner.

### ⚠ CAUTION

Titanium Blue sleeve is colored by anodizing. Handle with care as the color may change. When cleaning silencer, use soft cloth with dish soap but do not use metal polish or chemical cleaner.

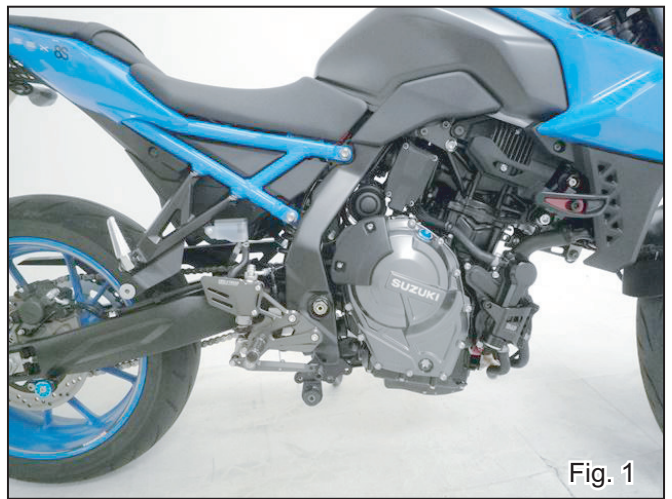


Fig. 1

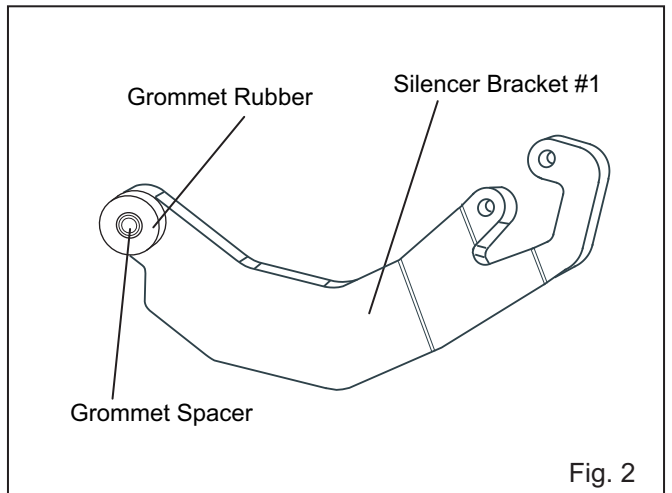


Fig. 2

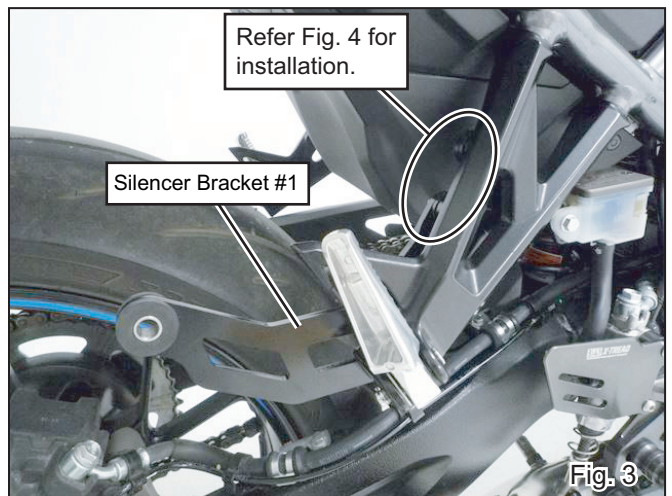


Fig. 3

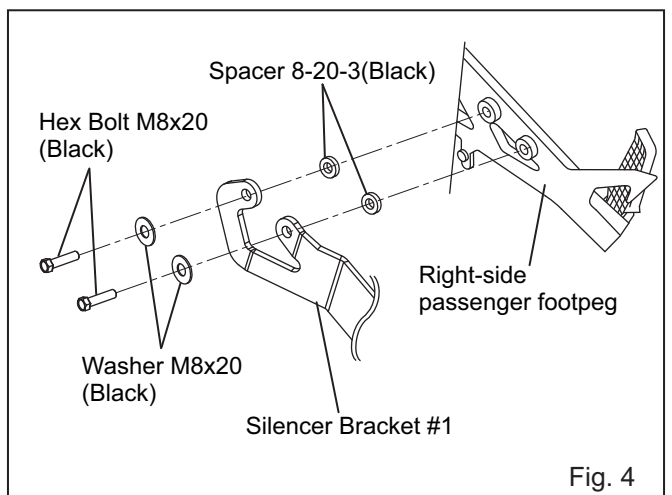


Fig. 4

- 1) Check that all the component parts are in hand.
- 2) According to genuine service manual, remove the lower fairing and disconnect O2 sensor couplers from the vehicle. Then remove the whole exhaust system from vehicle while making sure not to damage the frame or other components. Stock nuts and bolts removed at this stage are reused when mounting Yoshimura product (See Fig. 1)

**REFERENCE** When removing stock exhaust port bolts, ball point wrench is recommended for easy removal. However, make sure not to damage stock bolts by adding excessive torque during this process.

- 3) Attach Grommet Rubber and Grommet Spacer on Silencer Bracket #1 (See Fig. 2).
- 4) Install Silencer Bracket #1 on vehicle's right-side passenger footpeg using Hex Bolt M8x20(Black), Washer M8x20(Black), and Spacer 8-20-3(Black) (See Fig. 3, 4).

**REFERENCE** If the vehicle is equipped with Suzuki genuine Side Case Bracket Set, Spacer 8-20-3(Black) is not needed for this process.

- 5) Change exhaust gaskets in exhaust port with new ones. Then, install Header Assy into the exhaust port of the engine using stock bolts (See Fig. 5, 6 on next page). Tighten bolt only by hand at this stage.



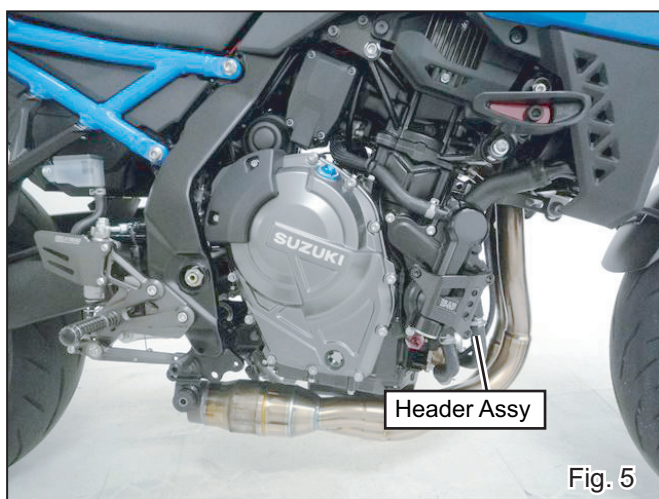


Fig. 5

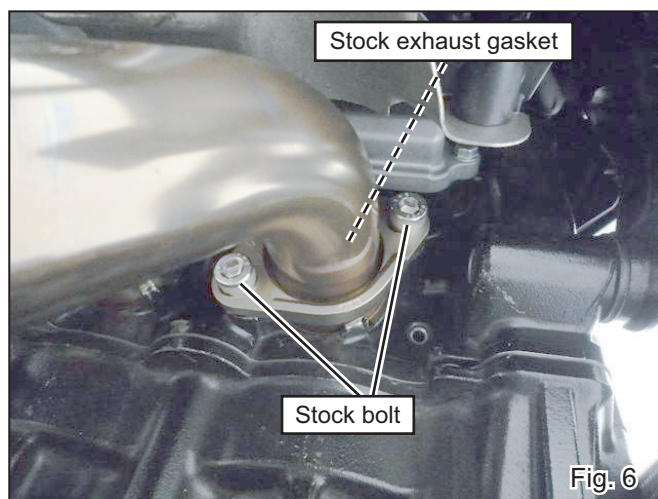


Fig. 6

- 6) Install Tailpipe to Header Assy and fix it with Exhaust Spring (See Fig. 7).

**CAUTION** Make sure that Exhaust Spring is hooked firmly. If neglected, it may cause injury.

- 7) Align the Tailpipe Bracket with vehicle's stock exhaust mount bracket and fix it using Stock bolt, Washer M8x26 and U Nut M8 (See Fig. 8, 9). Tighten bolt only by hand at this stage.

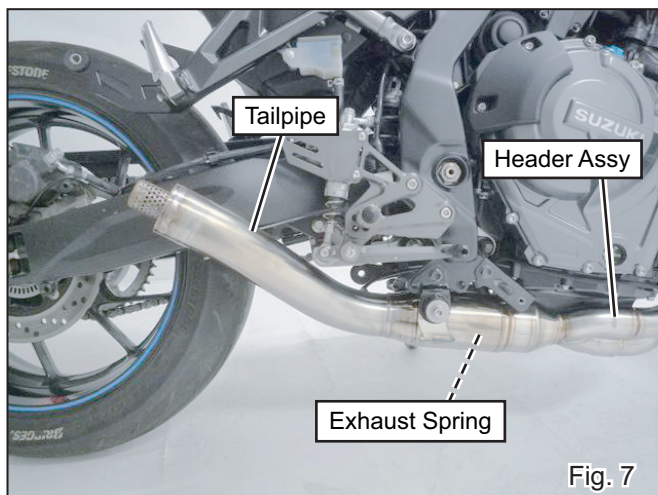


Fig. 7

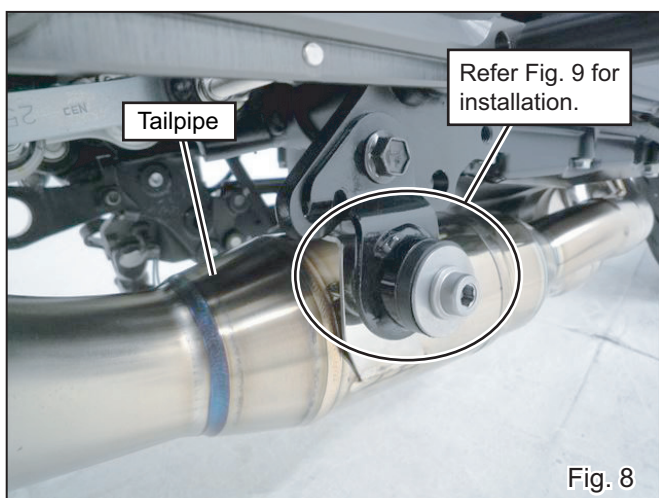


Fig. 8

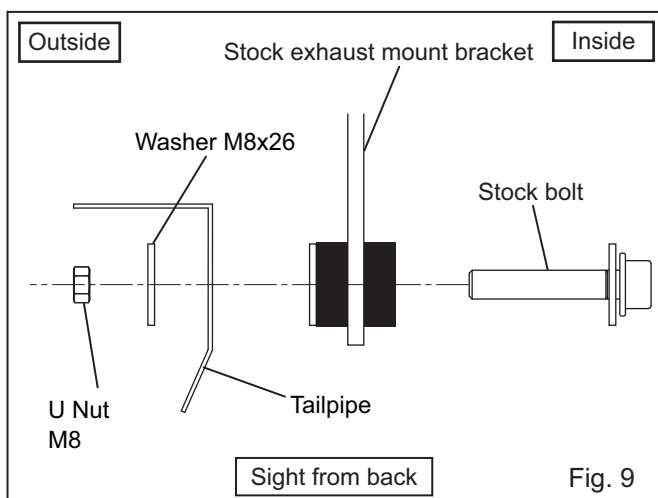


Fig. 9

- 8) Fix Silencer Bracket #2 on Silencer Assy using Button Bolt M6x20, Washer M6x13 and Flange Nut M6 (See Fig. 10).

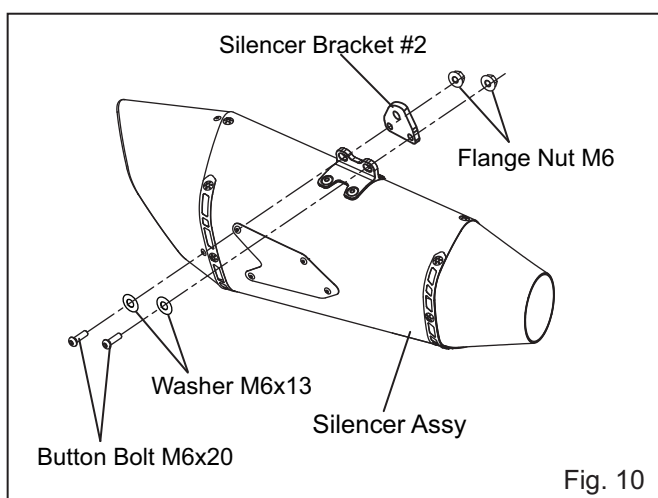


Fig. 10

9) Fix Silencer Assy on Tailpipe using Exhaust Spring (See Fig. 11).

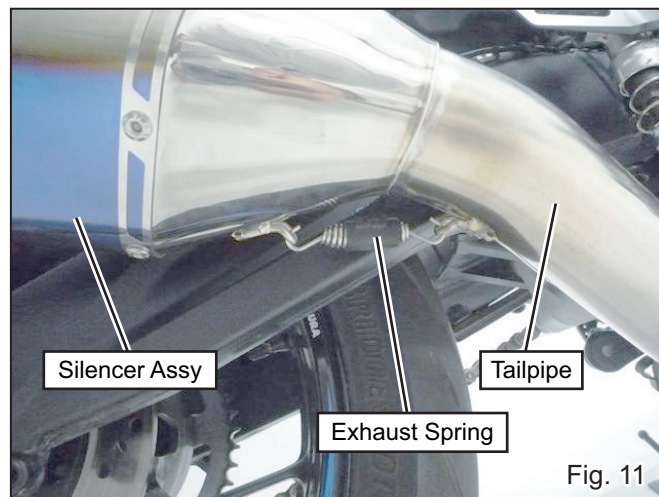


Fig. 11

10) Install Silencer Assy to vehicle by connecting Silencer Bracket #1 and Silencer Bracket #2 by using Cap Bolt M8x30, Washer M8x20, Washer M8x26 and Flange Nut M8 (See Fig. 12, 13).

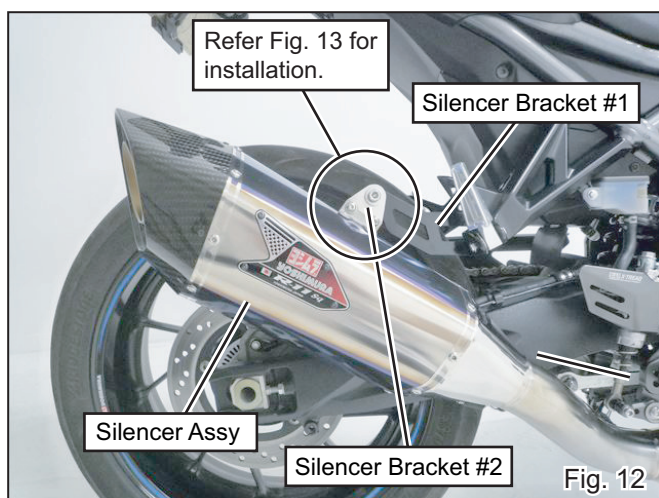


Fig. 12

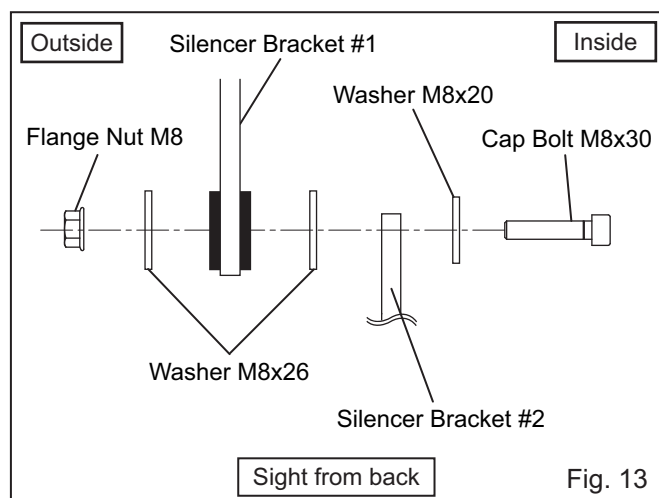


Fig. 13

11) Check there are proper clearances between Yoshimura exhaust system and each component. Then, tighten and torque all fixed bolts and nuts at exhaust port, Tailpipe, Silencer Bracket #1/#2 and Silencer Assy in order. (See Fig 14, 15)

#### Tightening Torque

Stock bolt at exhaust port	: 15Nm
Stock bolt at Tailpipe	: 23Nm
Hex Bolt M8x20(Black) at Silencer Bracket #1	: 23Nm
Cap Bolt M8x30 at Silencer Bracket #2	: 23Nm
Button Bolt M6x20 at Silencer Bracket #2	: 10Nm

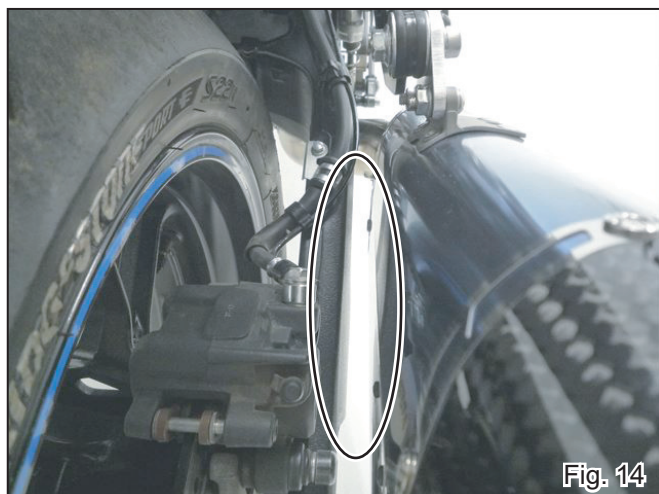


Fig. 14

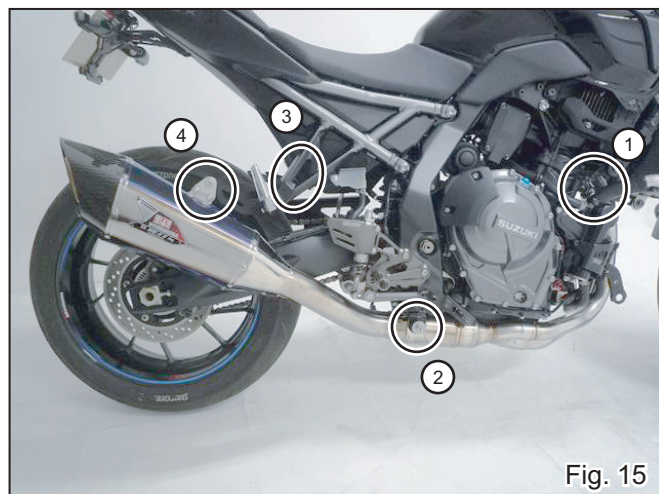


Fig. 15



- 12) After all tightening process is finished, check the clearance between Yoshimura exhaust system and each component are secured as below.

- Header Pipes and Radiator: More than 2mm
- Tailpipe Bracket and Frame: More than 3mm
- Exhaust system and Engine components: more than 5mm
- Exhaust system and Other components (Fairings, Swingarm, Rubber hose, etc...): more than 8mm

If the above clearance is not secured, untighten the bolts and nuts to fix each component to reach proper clearance (See Fig. 16, 17).

**CAUTION** If proper clearance cannot be achieved after proper alignment process, please contact Yoshimura Japan support via the seller of the product.  
If used without proper clearance, there are risks of damaging the vehicle and exhaust system resulting in fatal accidents or troubles.

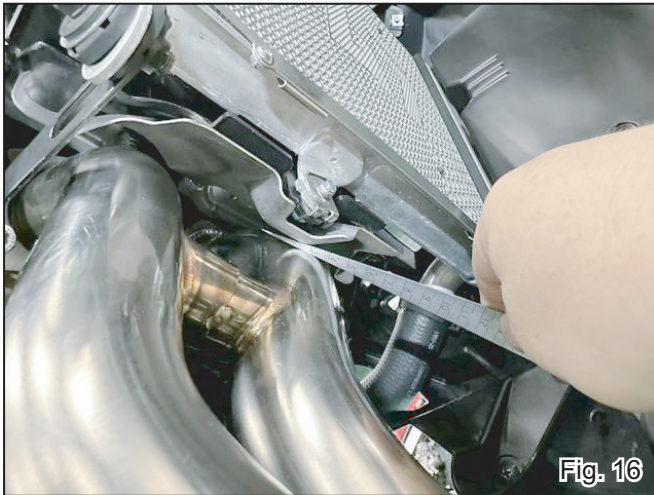


Fig. 16

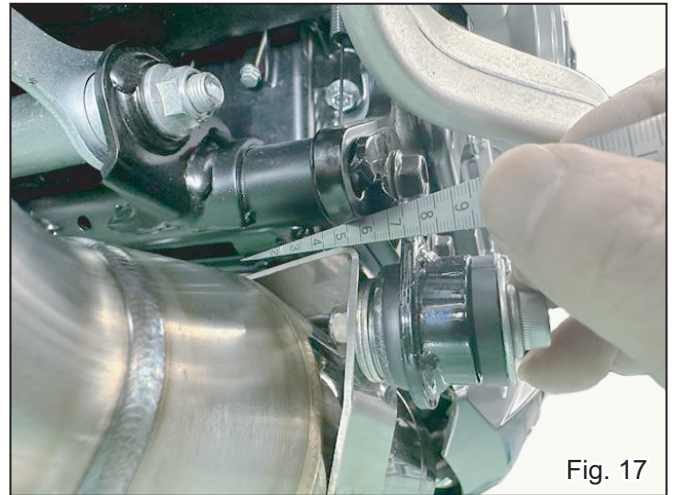


Fig. 17

- 13) Remove O2 sensor attached to the stock exhaust pipe and after attaching Extension Cable, install the O2 sensor to Header Assy and tighten it with specified torque. Next, secure the cable using Zip Tie and Clip to the vehicle side so that it does not interfere with muffler or engine and connect the Extension Cable on vehicle side coupler (See Fig. 18, 19, 20, 21, 22, 23).

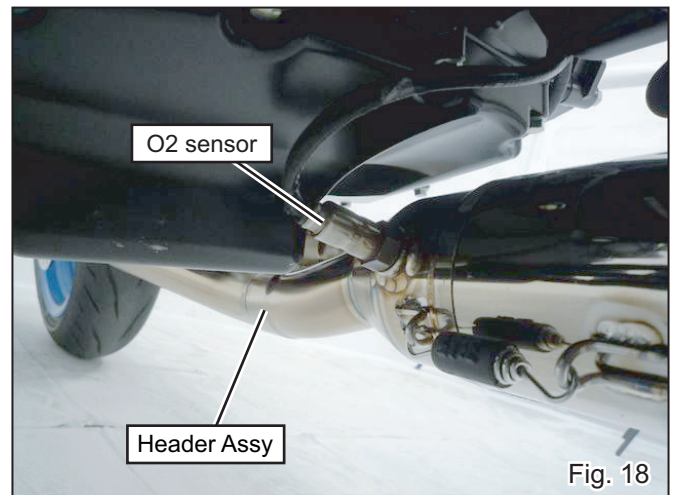


Fig. 18

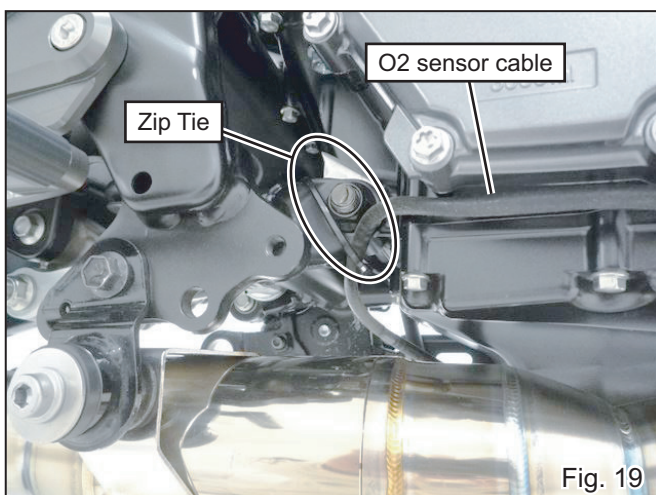


Fig. 19

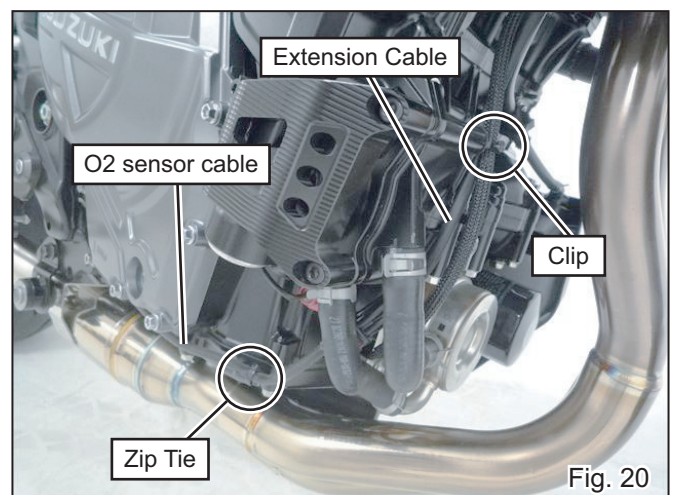


Fig. 20

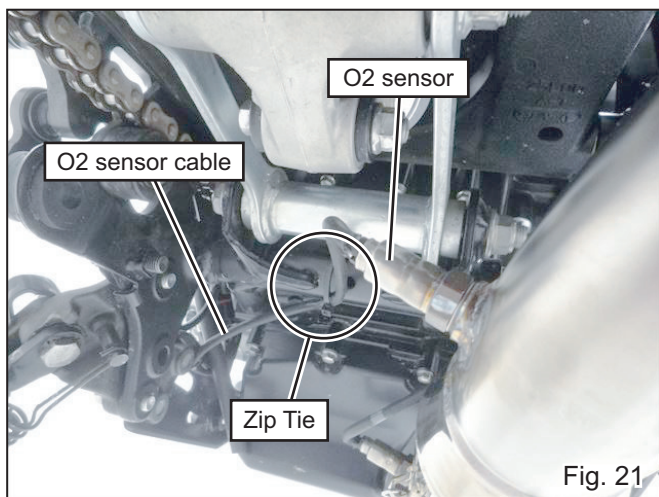


Fig. 21

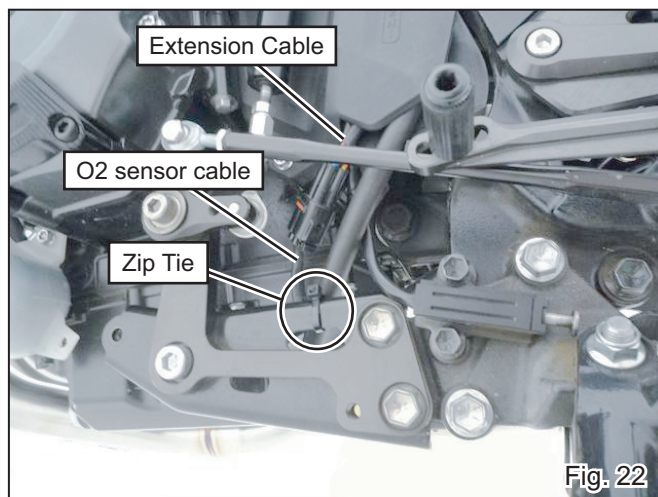


Fig. 22

- 14) It is recommended that the whole Yoshimura exhaust system is wiped down with dish soap to remove oil and fingerprints. This will prevent tarnishing after the exhaust system is heated up.

**CAUTION** When cleaning silencer, use soft cloth with dish soap. Do not use metal polish or parts cleaner.

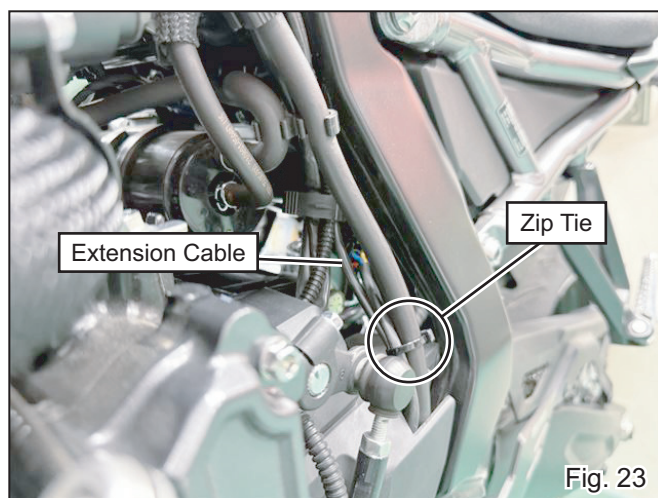


Fig. 23

- 15) Warm-up engine and inspect the exhaust leakage. Tighten all bolts further after the engine is cooled down.

**CAUTION** Before beginning the work, make sure the motorcycle is cooled down.

- 16) Remount the Lower fairing. When installing on GSX-8R, remount the side fairing.

### **CAUTION**

This exhaust is produced for street use only. In case that it is used on race circuit or tested on chassis dynamometer, any damage or carbon discoloration is not included in warranty.

### **REFERENCE**

Yoshimura Japan recommends silencer inner wool replacement every 5,000km (3,000miles) in order to get Yoshimura exhaust performance fully. Climate, riding condition, and frequency of ride are direct contributing factors for inner wool worn out. Keeping high engine revolution also promotes further wool consumption. For silencer repairing, please contact local Yoshimura distributor for further information.

### **- CAUTIONS AFTER INSTALLATION -**

- ⊙ Check each bolt sometimes to see that there is no failure condition such as poor tightening.
- ⊙ Quality control is implemented on all products. If, however, any defect or failure is found, please notify Yoshimura Japan through the selling dealer. Necessary technical service or replacing of the product will be made.
- ⊙ Due to improvement, the specifications and price of the product are subject to change without notice.
- ⊙ For any information regarding this product, please address inquiries to Yoshimura Japan Co., Ltd.

Yoshimura Japan Co., Ltd.

6748 Nakatsu, Aikawa, Aiko, Kanagawa 243-0303 Japan

Web site: <http://www.yoshimura-jp.com>