

SUZUKI GSX-S1000/GT/GX / KATANA OPTIONAL EXHAUST PIPE

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

Product information



- 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** Installation of this product is required rear suspension removal. Follow the procedures in Genuine service manual for the suspension removal and installation.

1. Product Information :

Description	SUZUKI GSX-S1000/GT/GX/ KATANA OPTIONAL EXHAUST PIPE		
Part Number	:194-19E-0011	Main Material	Stainless steel
Cyclone Type	S19ESTA1	Weight [STD : 9.6kg]	4.4kg

2. Applicable Model :

Applicable Model	SUZUKI GSX-S1000/GT/GX/ KATANA	
	Yoshimura EEC Slip-On R-77S only	
Application	<SUZUKI GSX-S1000/GT/GX/KATANA/S950 EEC Slip-On R-77S> Part number : 1F0-19E-5W**	



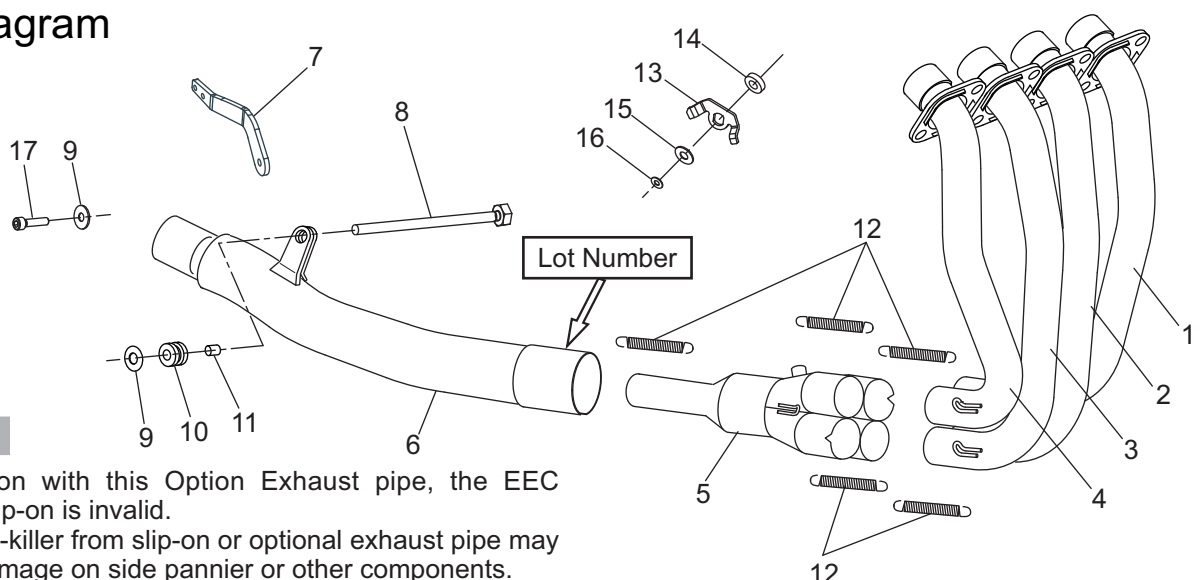
3. Contents:

No.	Descriptions	Part No.	Q'ty	No.	Descriptions	Part No.	Q'ty
1	Exhaust Pipe #1	181-196-5F00	1	10	Grommet Rubber	553-565-0000	1
2	Exhaust Pipe #2	182-196-5F00	1	11	Grommet Spacer	850-208-1212	1
3	Exhaust Pipe #3	183-196-5F00	1	12	Exhaust Spring (Long)	118-000-1000	5
4	Exhaust Pipe #4	184-196-5F00	1	13	Exhaust Control Valve Cancellor Bracket	148-984-0021	1
5	Exhaust Collector	119-19E-5000	1	14	Aluminum Spacer 12-20-7	860-012-2007	1
6	Tailpipe	185-19E-5100	1	15	Washer M12	812-512-1815	1
7	Silencer Bracket	161-19E-0300	1	16	Washer M5	812-205-1512	1
8	Hex Bolt M8x160 Full Thread	802-108X5160	1	17	Cap Bot M8x30	800-208-5030	1
9	Washer M8x26	812-108-2600	2	*	Spring Inner Tube	118-000-1100	5

4. Optional Part :

Description	Part No.
Carbon Heat Guard Set Type-2	161-000-A620

Parts Diagram



CAUTION

- *In combination with this Option Exhaust pipe, the EEC Approval of Slip-on is invalid.
- *Removing dB-killer from slip-on or optional exhaust pipe may cause heat damage on side pannier or other components.

5. Installation steps:

- 1) Check all the component parts are in hand.
- 2) According to Genuine service manual, unconnect O2 sensor coupler from vehicle and then remove whole exhaust system and Yoshimura slip-on from vehicle after taking O2 sensor and exhaust valve wires off from stock exhaust system.
- 3) Insert Spring Inner Tube into Exhaust Spring (Long). (See Fig. 2)

REFERENCE It is normal that Spring Inner Tube is longer than Exhaust Spring. Inner Tube is hidden when Exhaust Spring is pulled.

REFERENCE Spring Inner Tube is easily inserted by rotating.



Fig. 1

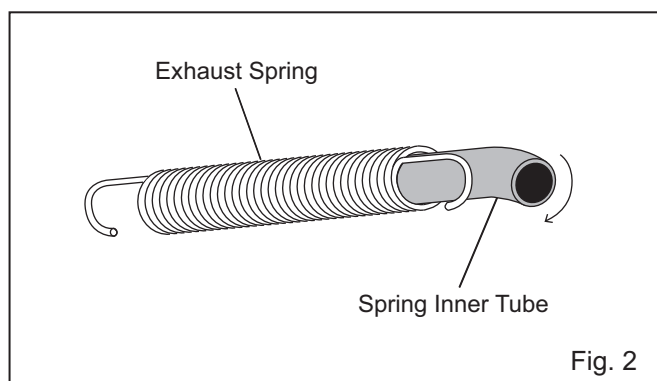


Fig. 2

- 4-1) <Procedure for GSX-S1000/GSX-S1000GT/KATANA>
According to Genuine service manual, remove rear suspension unit and related parts.

CAUTION Make sure to hold the vehicle with jackup device or maintenance stand.

REFERENCE The related parts would be differ between GSX-S1000, GSX-S1000GT and KATANA.

- 4-2) <Procedure for only GSX-S1000GX>
According to Genuine service manual, remove seat, battery, and battery box

CAUTION Make sure to hold the vehicle with jackup device or maintenance stand.

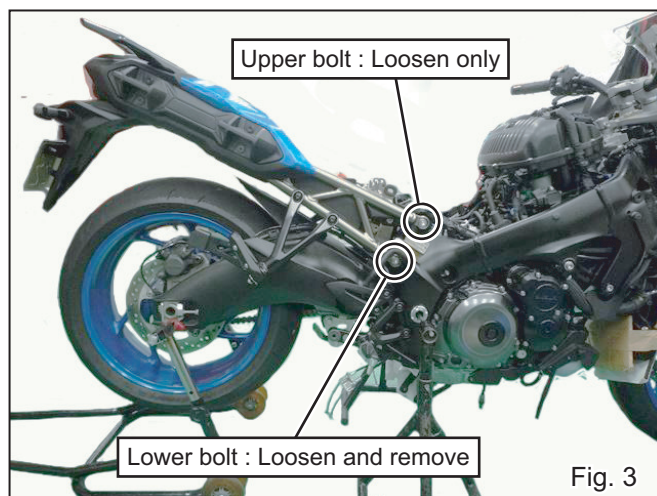


Fig. 3

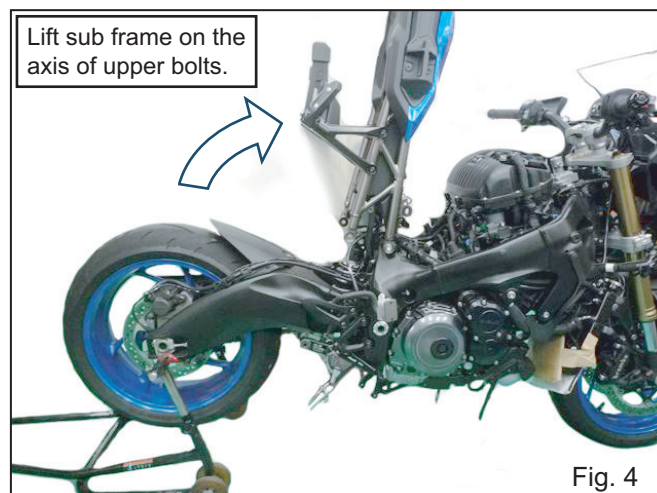
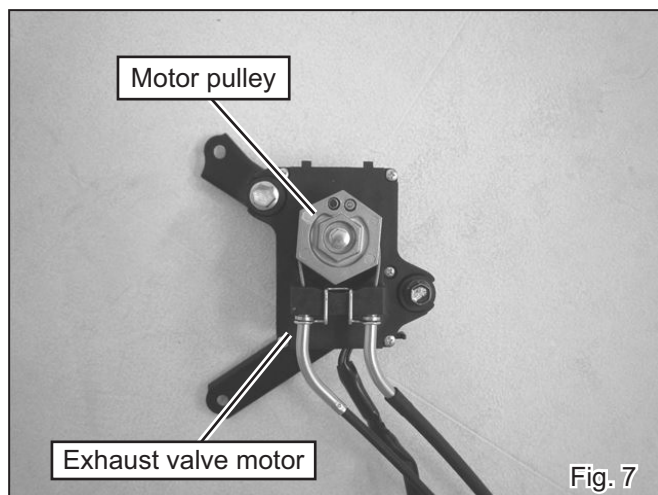
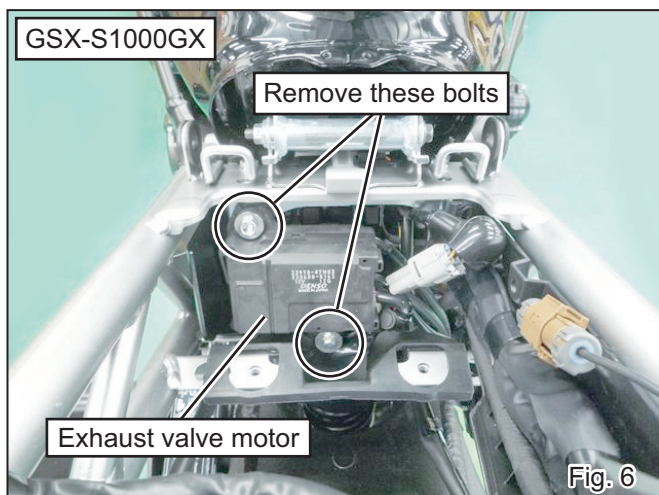
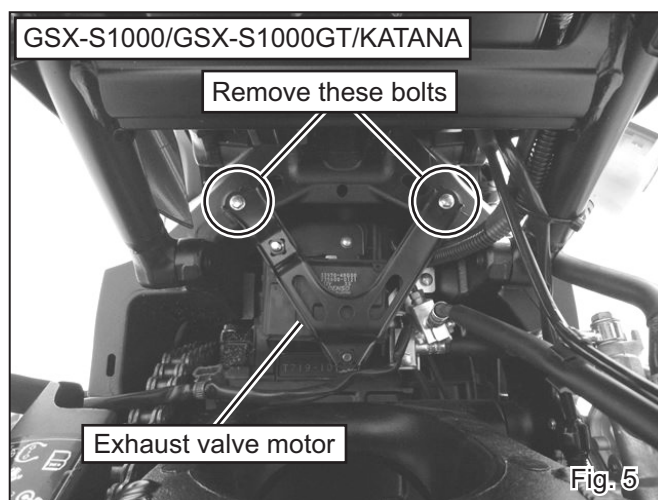


Fig. 4

- 5) <Procedure for only GSX-S1000GT>
Loosen bolts to fix sub frame. Lower ones should be completely removed while upper ones should be only loosen to make sub frame possible to lift up. (See. Fig. 3 & 4)

6) Unconnect exhaust valve coupler and then remove exhaust valve motor. (See Fig. 5, 6 & 7)

7) Remove exhaust valve wires from motor pulley.



8) Unscrew stock bolt from motor pulley on exhaust valve motor with caution not to turn the pulley. Then remove pulley from exhaust valve motor. (See Fig. 6)

CAUTION Make sure not to turn motor pulley while the bolt is unscrewed. If neglected, it may cause serious damage to exhaust valve motor.

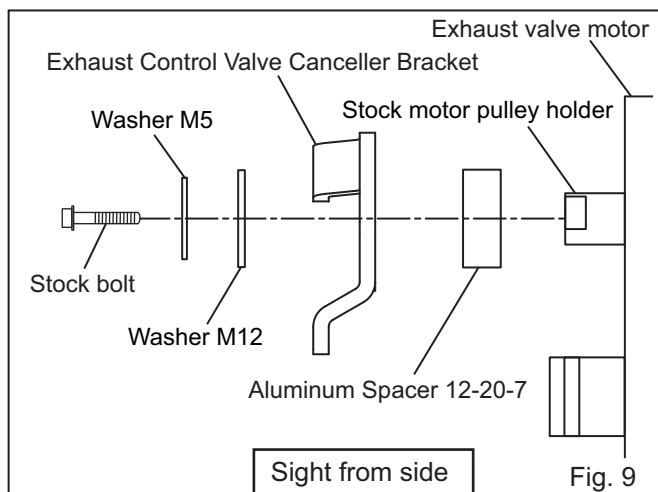
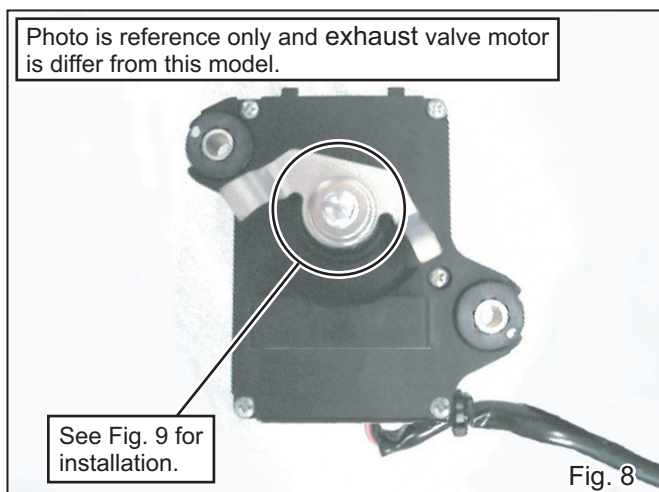
9) Mount Exhaust Control Valve Cancellor Bracket on exhaust valve motor with Aluminum Spacer 12-20-7, Washer M12, Washer M5 and stock bolt removed from motor pulley at step 8) (See Fig. 8 & 9). Tighten and torque the bolt.

Tightening Torque Stock bolt : 5Nm

CAUTION Torque specification must be followed.

CAUTION Make sure not to turn bracket while the bolt is screwed. If neglected, it may cause serious damage to exhaust valve motor.

CAUTION Make sure to mount Exhaust Control Valve Cancellor Bracket in right direction.



- 10) According to Genuine service manual, reinstall rear suspension unit and related parts.

REFERENCE The related parts would be differ between GSX-S1000, GSX-S1000GT and KATANA.

- 11) Check sticker numbers on Exhaust Collector and install 4 of Exhaust Pipe in the right place from #4 >> #3 >> #1 >> #2 in order. Then, fir chips on Exhaust Pipe #1 and #3 to recesses on Exhaust Collector, adjust the position of Exhaust Pipe #2 and #4 to engine wide and install 4 of Exhaust Spring (Long) (See Fig. 10).

CAUTION Make sure that Exhaust Spring is hooked to spring installation tool firmly. If neglected, it may cause injury.

- 12) Peel stickers on Exhaust Collector and wipe down grease completely.

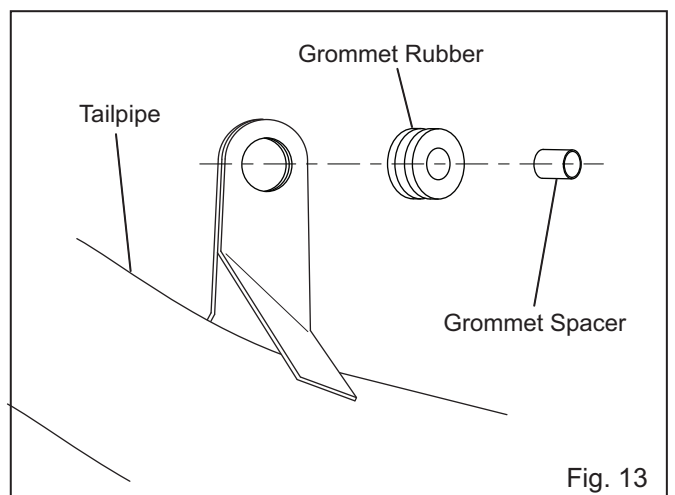
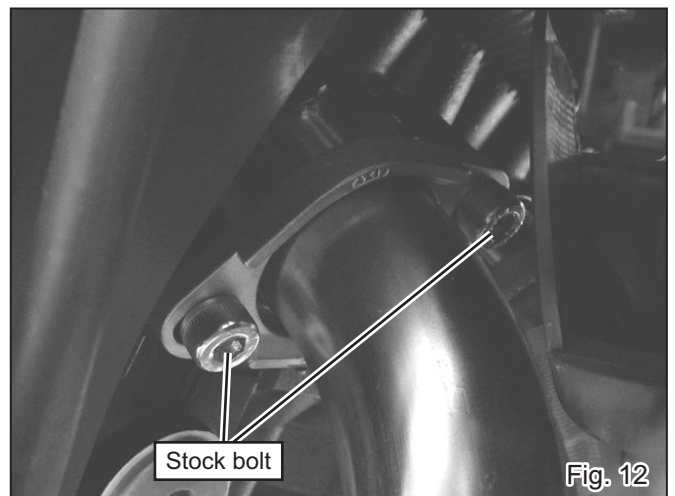
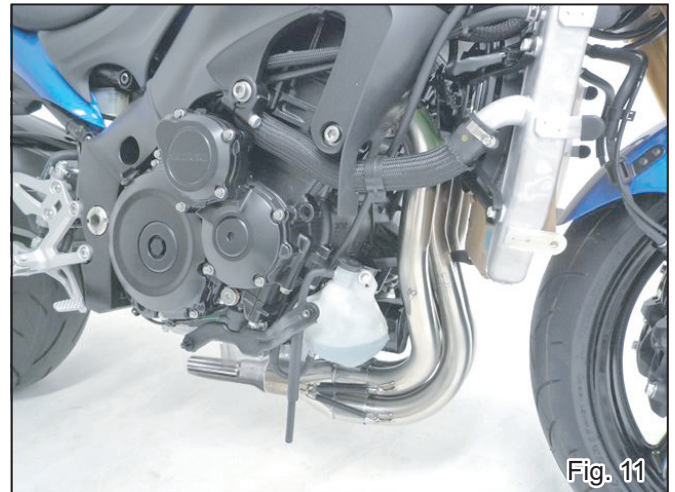
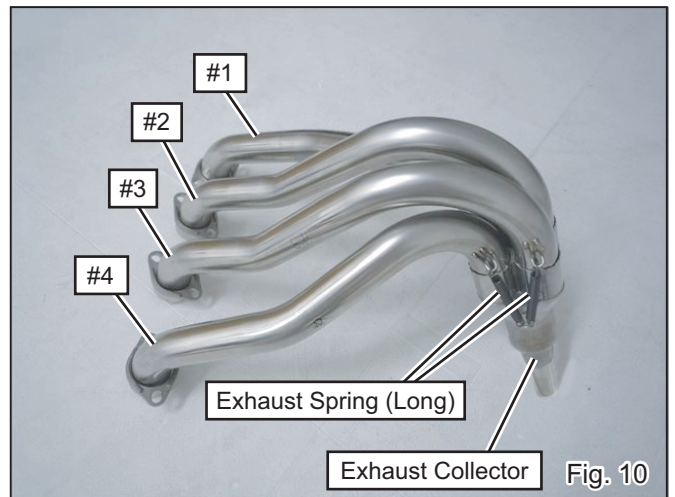
CAUTION Make sure to remove stickers and remove grease during the installation. This will help prevent tarnishing of finish after exhaust system is heated up.

- 13) Replace exhaust gaskets on all the exhaust ports with new ones and mount Exhaust Pipes assembly which is completed at step 11) to exhaust ports and fix it with 8 of stock bolt. Tighten bolts by hand only at this stage. (See Fig. 11 & 12)

CAUTION Be careful not to damage radiator/oil cooler cores when mounting header assy.

REFERENCE Use new Suzuki genuine exhaust gaskets.

- 14) Install Grommet Rubber and Grommet Spacer into Tailpipe. (See Fig. 13)



- 15) Insert Tailpipe to Exhaust Collector and install Exhaust Spring (Long). (See Fig. 14)

CAUTION Make sure that Exhaust Spring is hooked to spring installation tool firmly. If neglected, it may cause injury.

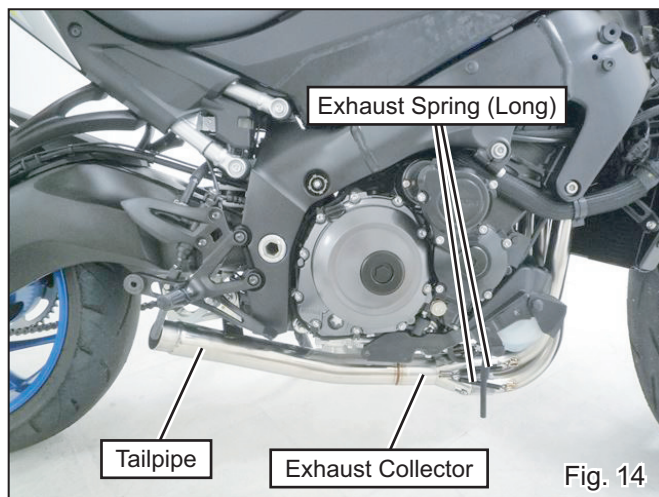


Fig. 14

- 16-1) <Procedure for GSX-S1000/GSX-S1000GT/KATANA>
Loosen bolts at LH rear set and remove it to fix Tailpipe with Hex Bolt M8x160 Full Thread, Washer M8x26, stock washers and stock flange nut. (See Fig. 15, 16 & 17)

CAUTION Protect removed LH rear set with cloth or similar material to prevent it from being scratched.

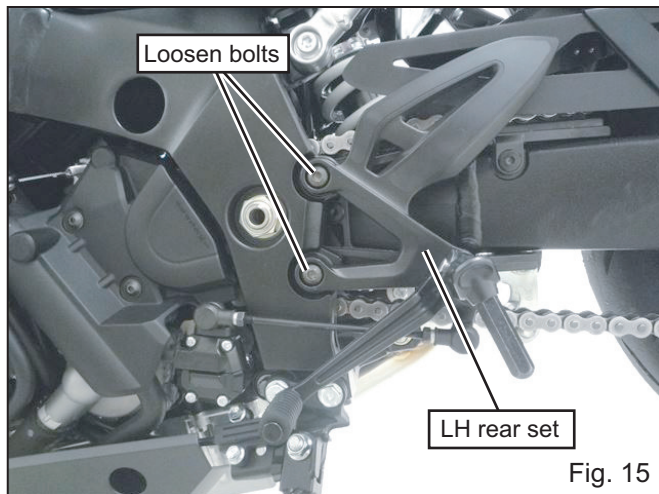


Fig. 15

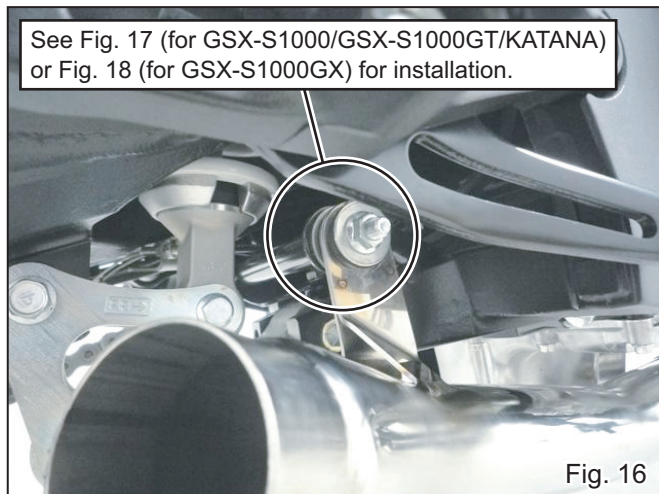


Fig. 16

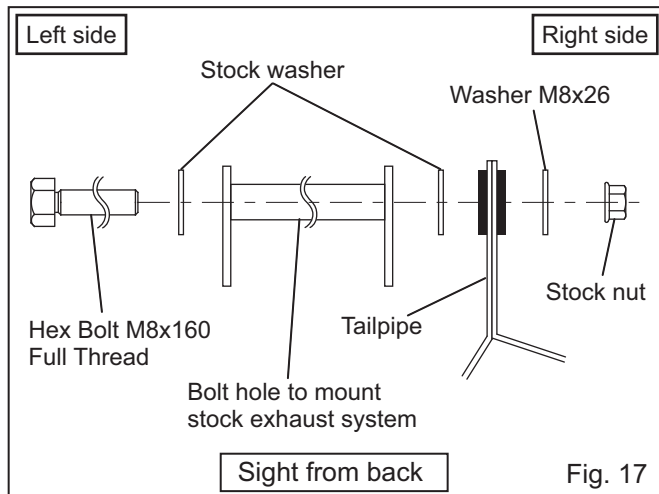


Fig. 17

- 16-2) <Procedure for only GSX-S1000GX>
Mount Tailpipe to vehicle with Cap Bolt M8x30 and Washer M8x26. (See Fig. 16 & 18)

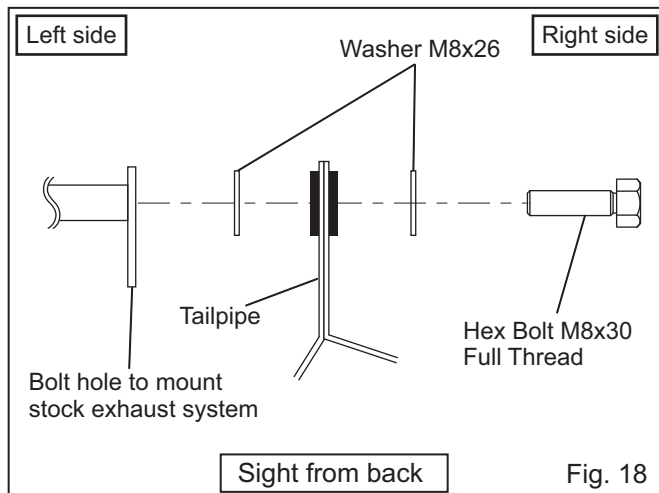


Fig. 18

- 17) Install Silencer Assy removed at step 2) with stock clamp band to Tailpipe. Tighten the bolt on stock clamp band by hand only at this stage. (See Fig. 19)

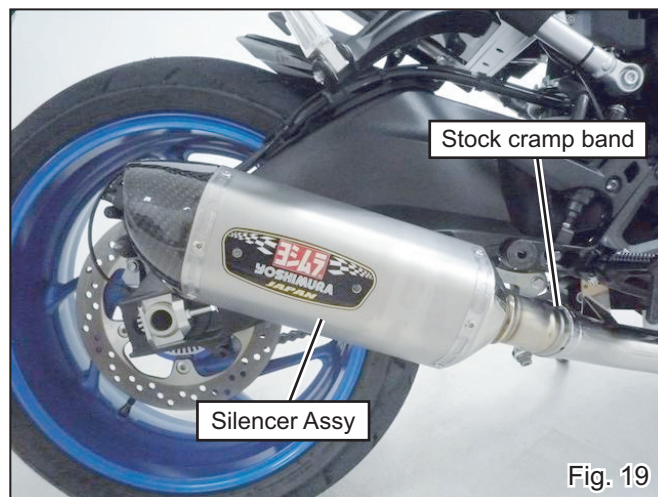


Fig. 19

- 18) Mount Silencer Bracket to stock silencer bracket with stock bolt, washer and nut removed at step 2). Tighten bolt by hand only at this stage. (See Fig. 20 & 21)

CAUTION Use Silencer Bracket which is supplied in this Optional Exhaust Pipe.

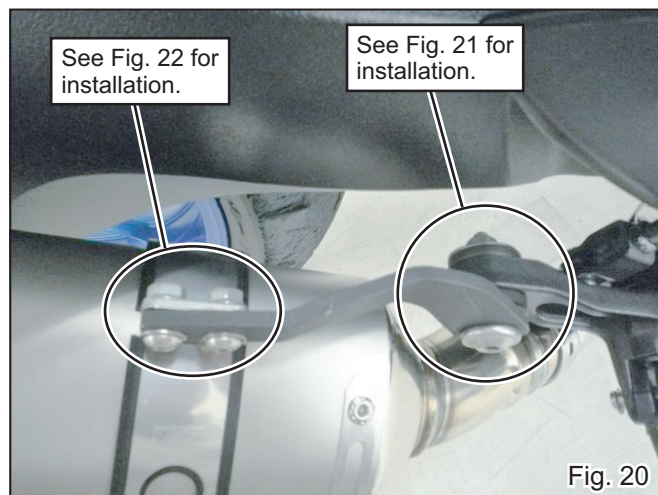


Fig. 20

- 19) Place Silencer Band Rubber inside Silencer Band, and put the Silencer Band on Silencer Assy. Then, mount Silencer Bracket onto the Silencer Band with 2 of each Button Bolt M6x15, Washer M6x13 and Flange Nut M6 supplied in the Slip-On R-77S. Tighten bolts by hand only at this stage. (See Fig. 20 & 22)

CAUTION Be sure to place Silencer Band at right angles to Silencer Assy. If neglected, it may cause breakage to Silencer Band.

CAUTION Before hand-tighten Silencer Band, make sure silencer sleeve and Silencer Band fit evenly and there is no opening between them. If neglected, it may cause deformation of silencer sleeve.

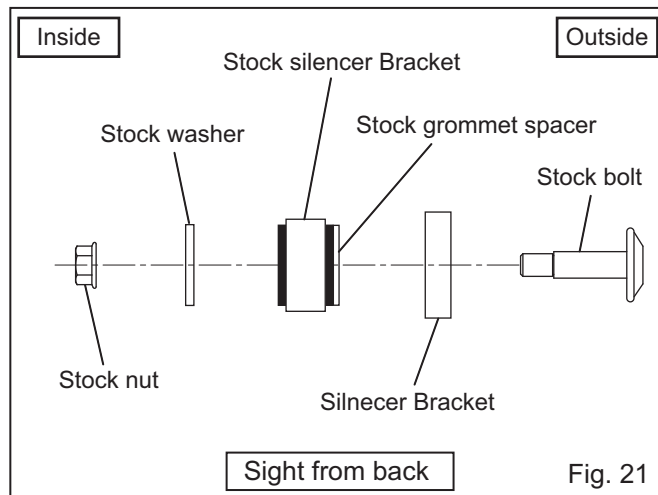


Fig. 21

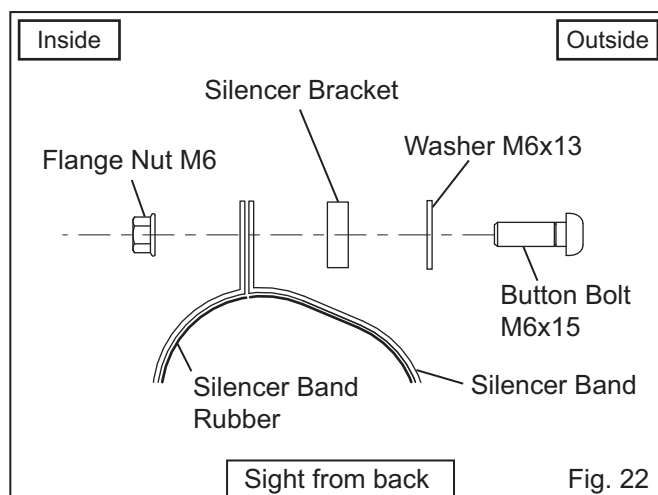


Fig. 22

- 20) Check that there are proper clearances between Yoshimura exhaust system and other components. Then, tighten and torque bolts at exhaust port, Tailpipe, Silencer Bracket and Silencer in order. (See Fig 23 & 24)

Tightening Torque

Stock bolt at exhaust port	: 15Nm
Hex Bolt M8x160 Full Thread	: 23Nm
Stock bolt at Silencer Bracket	: 23Nm
Button Bolt M6x15	: 10Nm

CAUTION Torque specification must be followed.

- 21) Install O2 sensor which was removed at step 2) on Exhaust Collector, tighten with the specified torque and connector the O2 sensor coupler to the vehicle.

Tightening Torque O2 sensor : 25Nm

CAUTION Torque specification must be followed.

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

CAUTION When cleaning Silencer Assembly, use soft cloth with dish soap. Do not use metal polish or parts cleaner. If neglected, the paint of Emblem may come off or Titanium Blue color may tarnish.

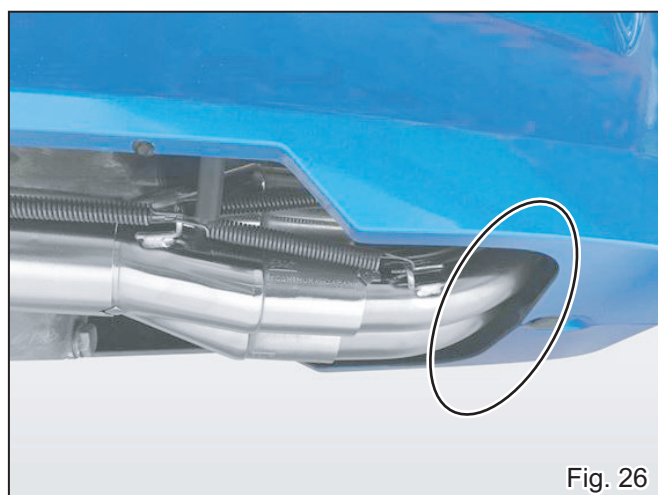
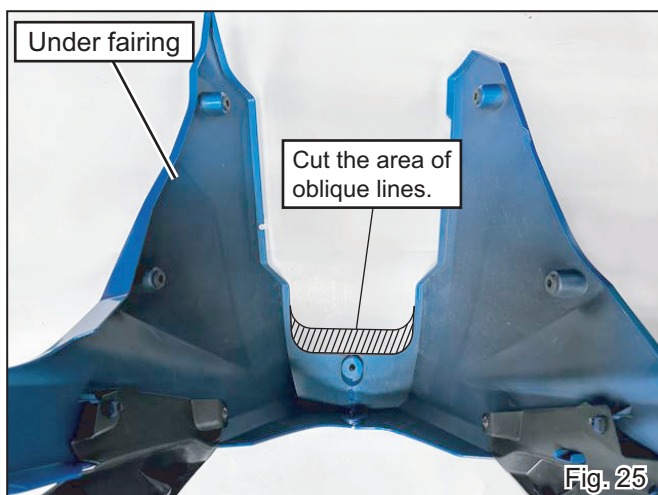
- 23) Warm-up engine, and inspect the exhaust leakage. If exhaust leakage is found, seal the gaps of joint with silicone gasket etc. Tighten all bolts further after engine is cooled down. If any problem is found, please follow through instruction steps carefully again.

REFERENCE It is normal for new silencer to smoke until inside oil residue burns off.

- 24) <Procedure for only GSX-S1000GT>

Check the clearance between Exhaust Pipe and under fairing and cut or grind the area of oblique lines. (See Fig. 25 & 26)

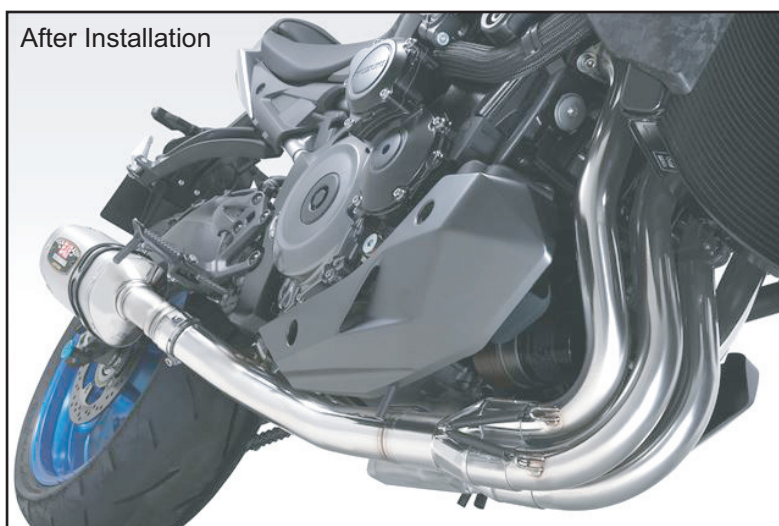
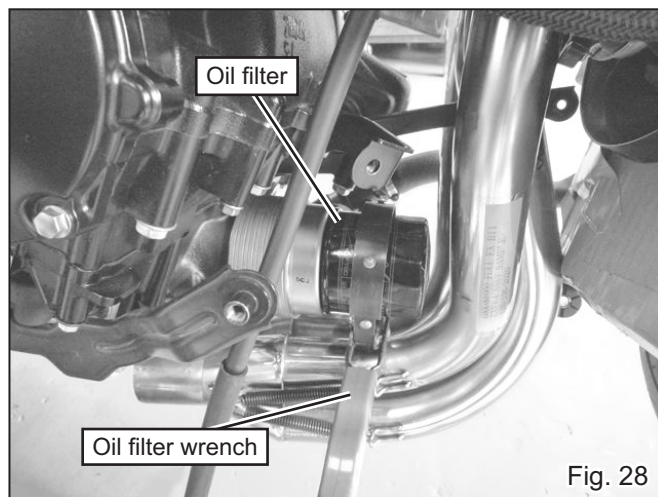
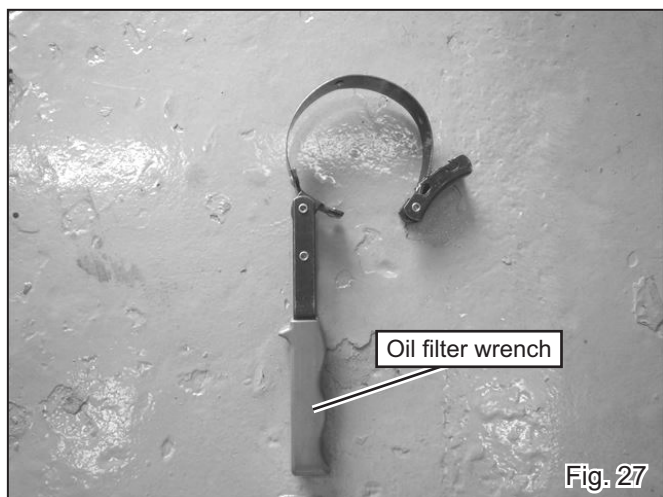
CAUTION Recommended clearance between exhaust pipes and under fairing is minimum 8mm. It may cause heat damage on under fairing if this procedure is not followed.



25) According to Genuine service manual, reinstall all the necessary parts which were removed at step 2) and step 16).

REFERENCE

When replacing oil filter, use oil filter wrench like the sample shown on Fig. 27. (See Fig. 28)



- 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.

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