

SUZUKI GSX-S1000 STREET SPORTS STAINLESS FULL SYSTEM R-11 SINGLE EXIT

Product information



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

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/F Street Sports Stainless Full System R-11 Single Exit		
Part Number	Stainless Sleeve (SS) : 170-196-5F50	Cyclone Type	S196S11C2
	Metal Magic Sleeve (SM) : 170-196-5F20	Main Material	Stainless steel
	Titanium Sleeve (ST) : 170-196-5F80	Weight	(SS) & (SM) : 6.3kg
	Titanium Blue Sleeve (STB) : 170-196-5F80B	[STD : 10.4kg]	(ST) & (STB) : 6.1kg

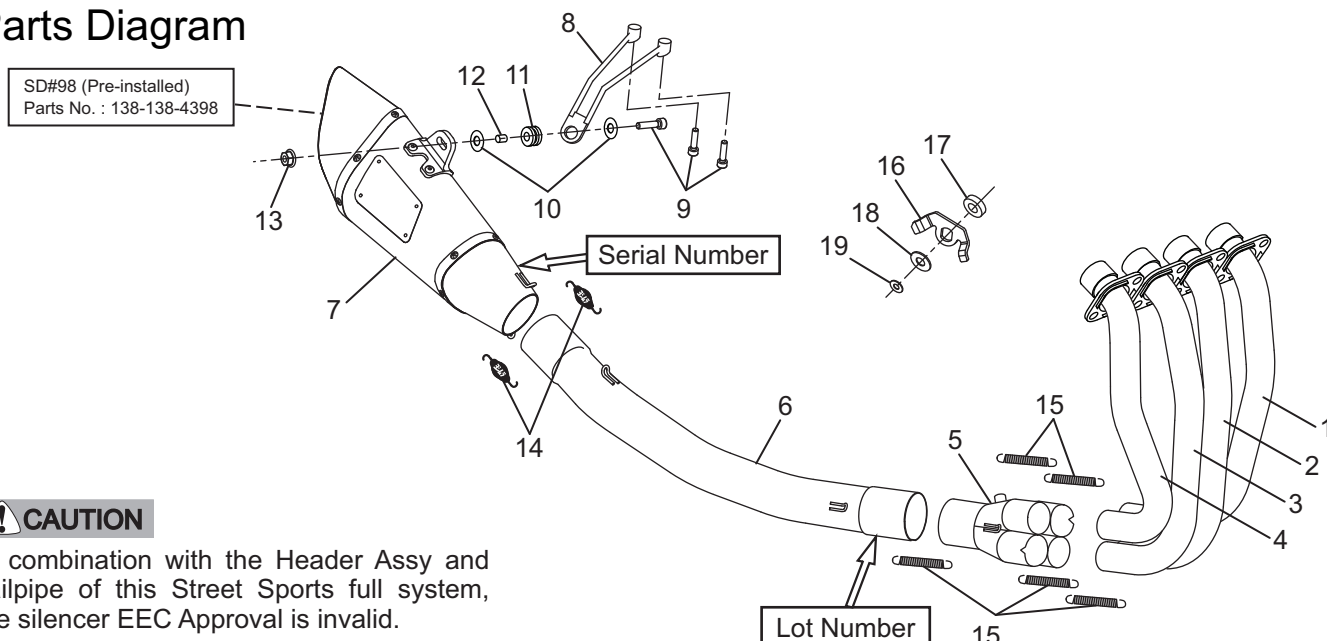
2. Contents:

No.	Descriptions	Part No.	Q'ty	No.	Descriptions	Part No.	Q'ty
1	Exhaust Pipe #1	181-196-5F00	1	10	Washer M8x26	812-108-2600	2
2	Exhaust Pipe #2	182-196-5F00	1	11	Grommet Rubber	553-565-0000	1
3	Exhaust Pipe #3	183-196-5F00	1	12	Grommet Spacer	850-208-1212	1
4	Exhaust Pipe #4	184-196-5F00	1	13	Flange Nut M8	823-008-1250	1
5	Exhaust Collector	119-196-5000	1	14	Exhaust Spring (Short)	118-001-0000	2
6	Tailpipe	185-196-5F00	1	15	Exhaust Spring (Long)	118-000-1000	5
7	Silencer Assy, (SS)	1A6-196-5E50	1	16	Exhaust Control Valve Canceller Bracket	148-984-0021	1
	Silencer Assy, (SM)	1A6-196-5E20		17	Aluminum Spacer 12-20-7	860-012-2007	1
	Silencer Assy, (ST)	1A6-196-5E80		18	Washer M12	812-512-1815	1
	Silencer Assy, (STB)	1A6-196-5E80B		19	Washer M5	812-205-1512	1
8	Silencer Bracket	161-196-0300	1	*	Spring Inner Tube	118-000-1100	5
9	Cap Bolt M8x30	800-208-5030	3				

3. Optional Part :

Description	Part No.
SILENCER BRACKET SET	194-196-0010

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.

- 1) Check all the component parts are in hand.
- 2) According to Genuine service manual, disconnect O2 sensor coupler from vehicle and then remove whole exhaust system from vehicle after tacking O2 sensor and exhaust valve wires off from stock exhaust system. (See Fig. 1)

REFERENCE It is require to remove under fairing (GSX-S1000) or side fairing (GSX-S1000F).

- 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.

- 4) According to Genuine service manual, remove seat, rear seat ang seat fairing. Then remove rear suspension.

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

- 5) Disconnect exhaust valve coupler and then remove exhaust valve motor. (See Fig. 3)

- 6) 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.4)

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



Fig. 1

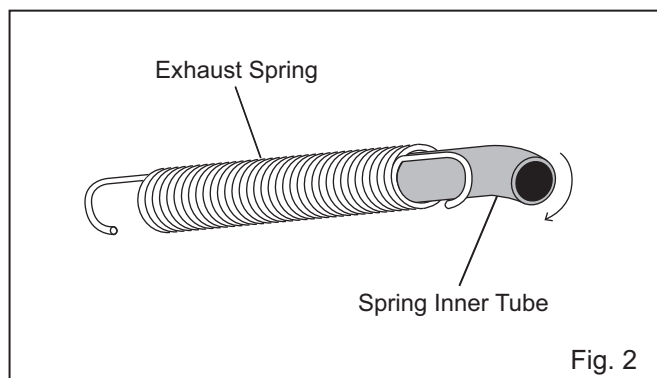


Fig. 2

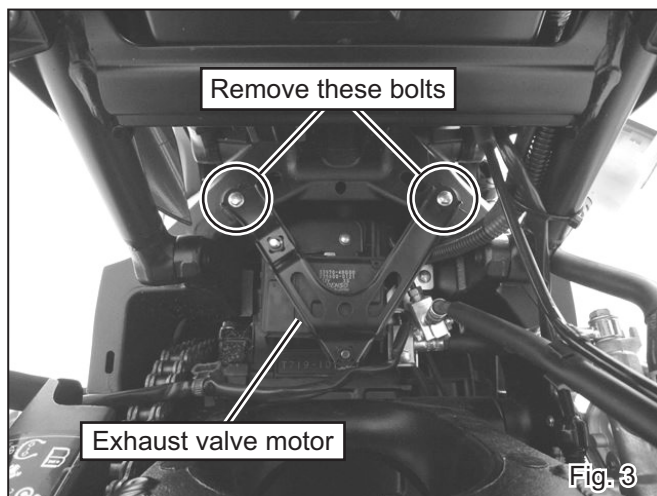


Fig. 3

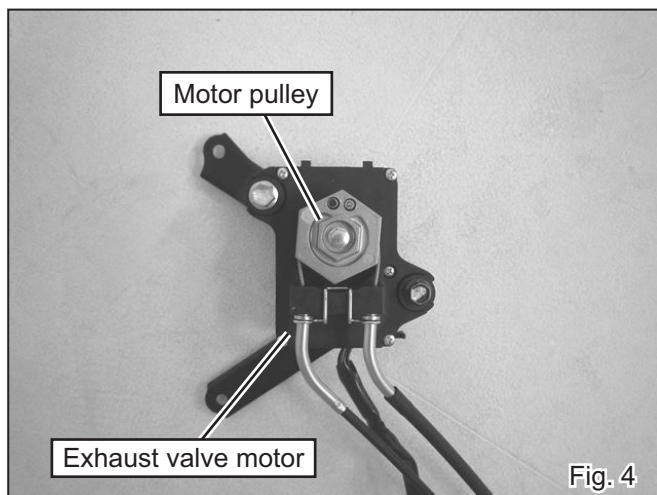


Fig. 4

- 7) 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 6) (See Fig. 5 & 6). 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.

Photo is reference only and exhaust valve motor is differ from this model.

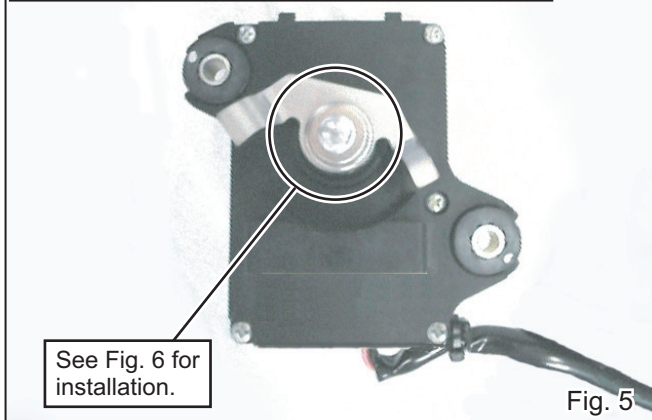


Fig. 5

- 8) According to Genuine service manual, reinstall exhaust valve motor, rear suspension, seat fairing, rear seat and seat to original position.
- 9) Insert Grommet Rubber and Grommet Spacer to Silencer Bracket (See Fig. 7).

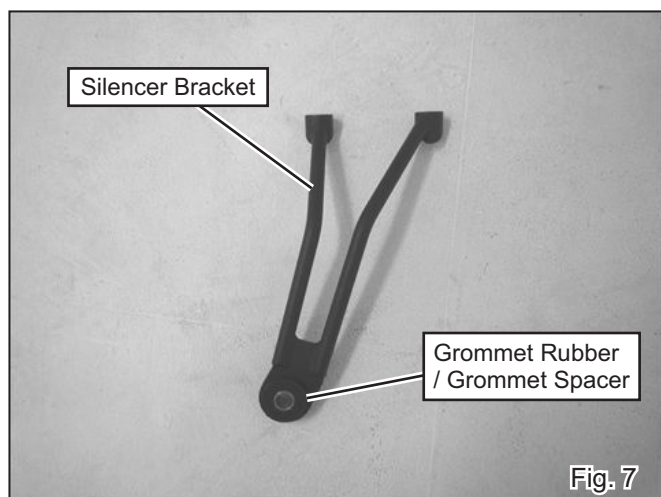


Fig. 7

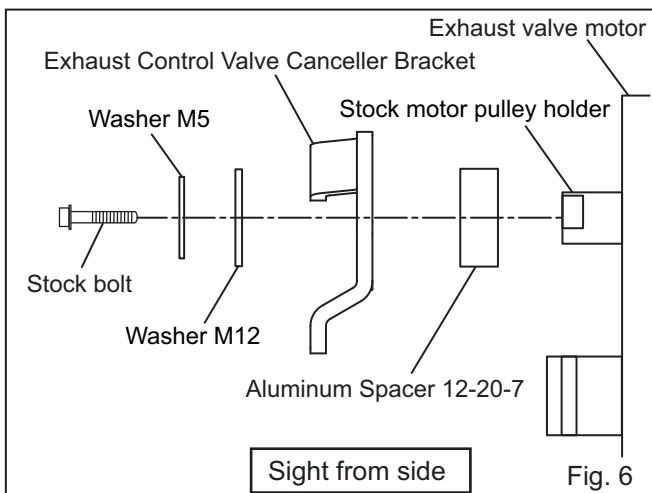


Fig. 6

- 10) Remove right side stock passenger foot rest bracket once, and mount Silencer Bracket and removed foot rest bracket together with 2 of Cap Bolt M8x30 (See Fig. 8 & 9). Tighten and torque Cap Bolt M8x30.

Tightening Torque Cap Bolt M8x30 : 23Nm

CAUTION Torque specification must be followed.

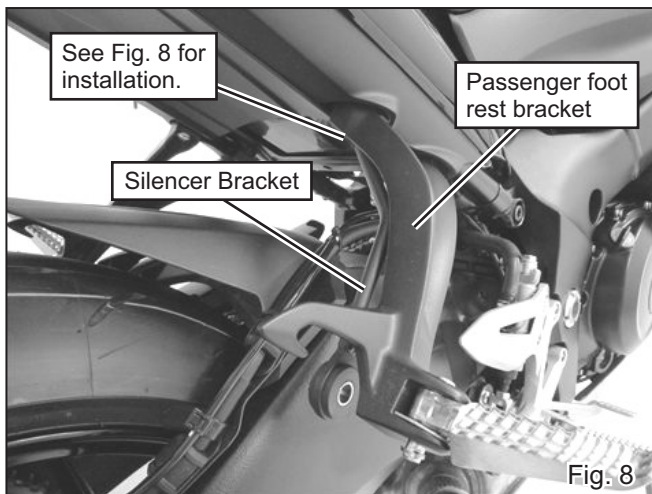


Fig. 8

- 11) Remove grommet rubber and grommet spacer from stock silencer mounting bracket (See Fig. 10).

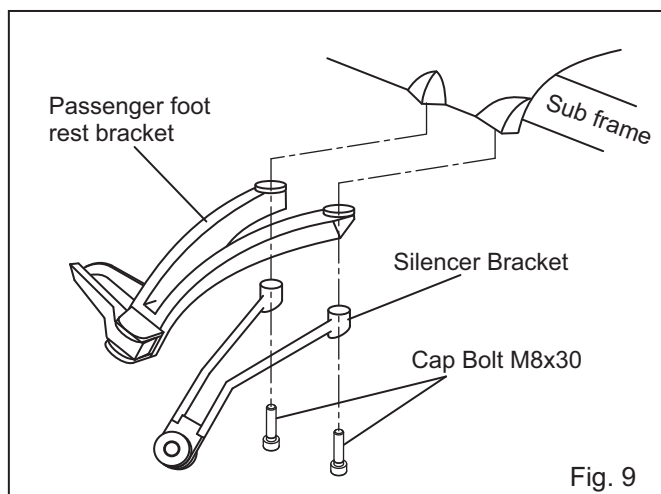


Fig. 9

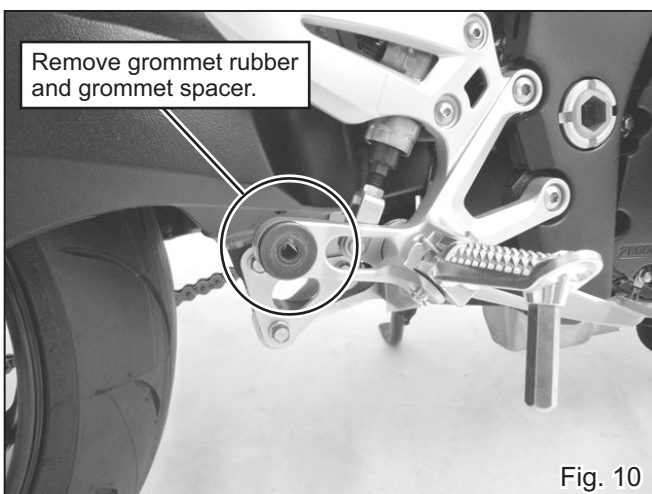
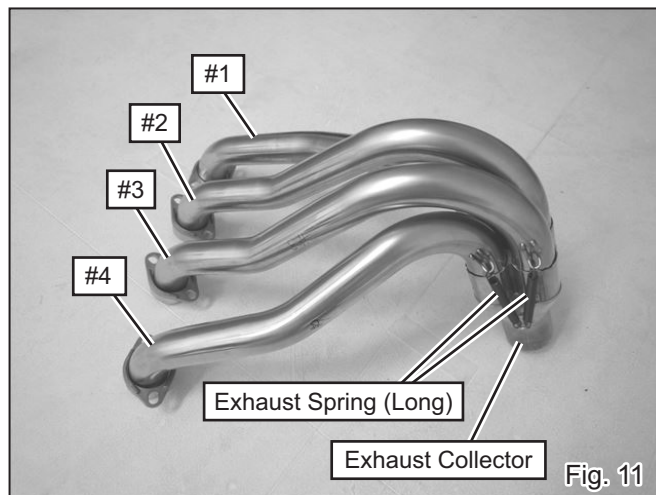


Fig. 10

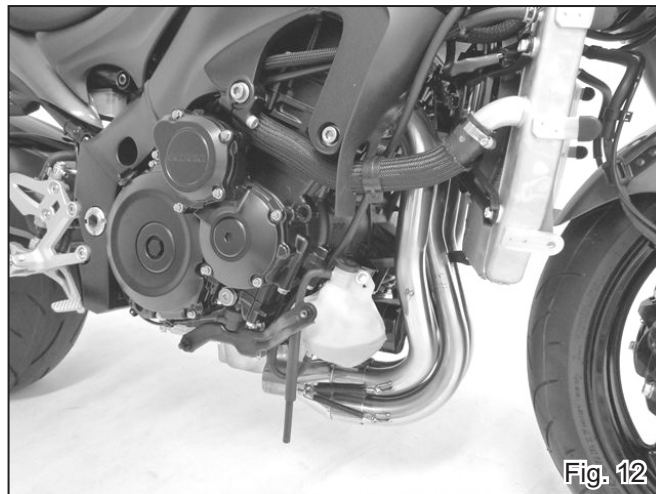
- 12) Check sticker numbers on Exhaust Collector and install 4 of Exhaust Pipe in the right place from #4 >> #3 >> #1 >> #2 in order. Then, fir chips on Exhaust Pipe #1 and #3 to recesses on Exhaust Collector, adjust the position of Exhaust Pipe #1 and #4 to engine wide and install 4 of Exhaust Spring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

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



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

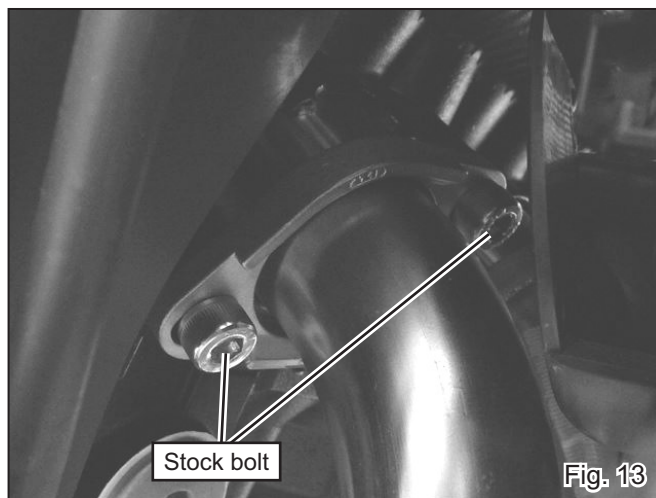
CAUTION Please make sure to remove stickers and remove grease during the installation. This will help prevent tarnishing of finish after exhaust system is heated up.



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

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

REFERENCE Use new Suzuki genuine exhaust gaskets.

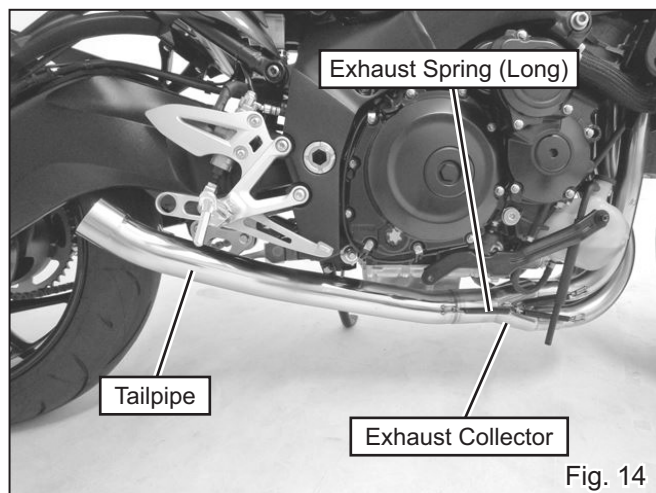


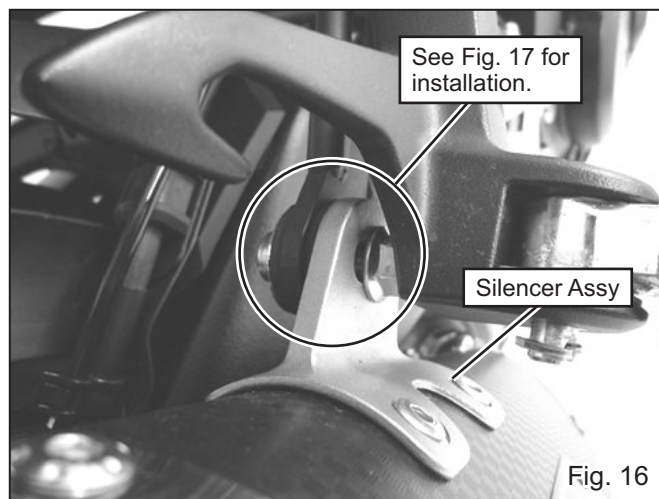
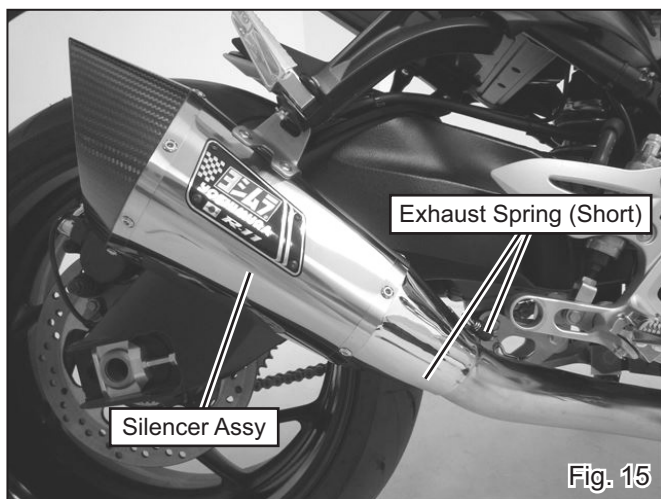
- 15) Insert Tailpipe to Exhaust Collector and install Exhaust Spring (Long). (See Fig. 14)

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

- 16) Mount Silencer Assembly on Tailpipe and install 2 of Exhaust Spring (Short). (See Fig.15 on next page)

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





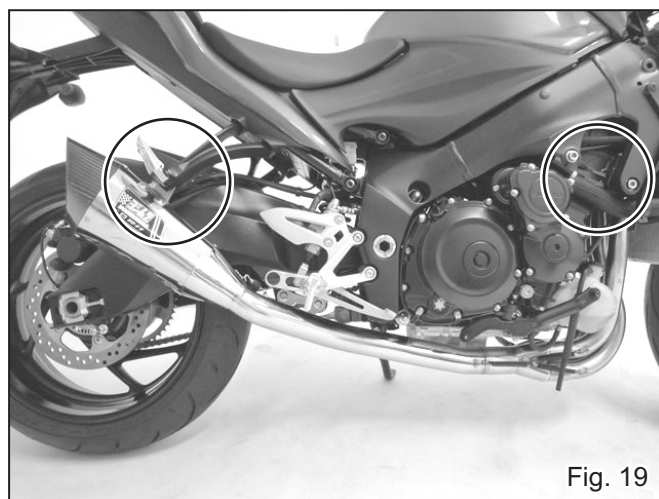
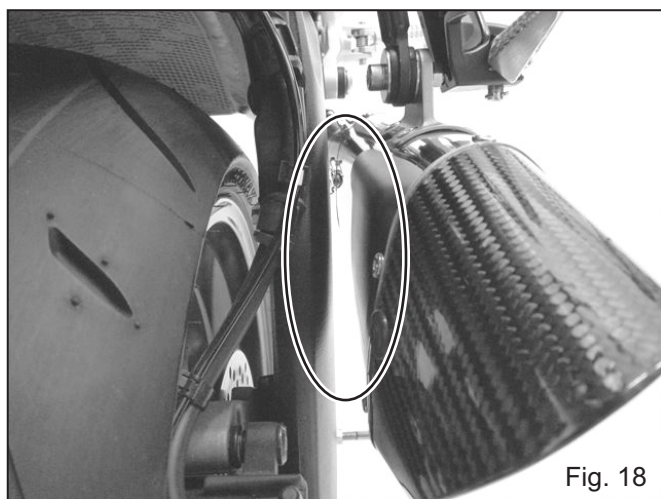
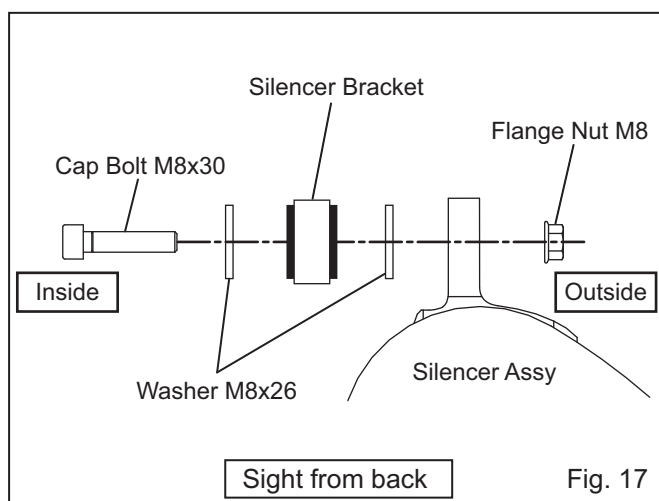
- 17) Fix Silencer Assy to Silencer Bracket with Cap Bolt M8x30, 2 of Washer M8x26 and Flange Nut M8 (See Fig. 16 & 17). Tighten bolt by hand only at this stage.

- 18) Check that there are proper clearances between Yoshimura exhaust system and other components. Then, tighten and torque bolts at exhaust port and Silencer in order. (See Fig 18 & 19)

Tightening Torque

Stock bolt at exhaust port : 15Nm
Cap Bolt M8x30 at Silencer : 23Nm

CAUTION Torque specification must be followed.



- 19) 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.

- 20) 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.

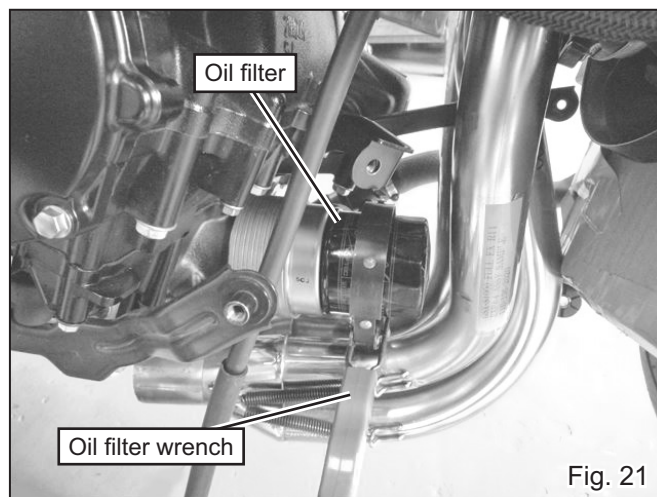
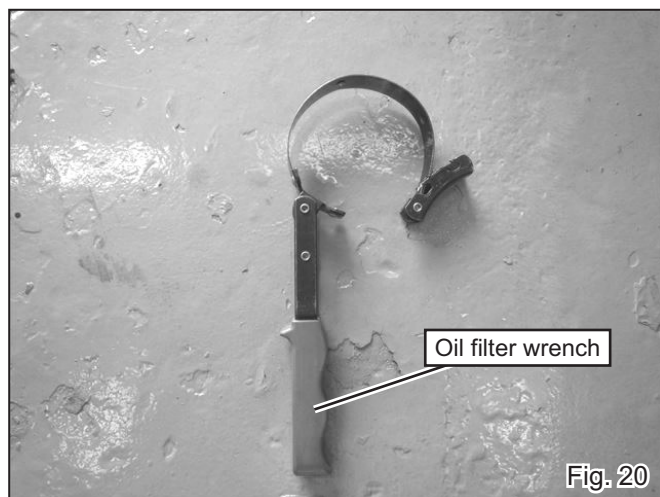
CAUTION When cleaning Silencer Assembly, use soft cloth with dish soap. Do not use metal polish or parts cleaner. If neglected, the paint of Emblem may come off or Titanium Blue color may tarnish.

- 21) 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.

- 22) Reinstall fairing.

REFERENCE When replacing oil filter, use oil filter wrench like the sample shown on Fig. 20. (See Fig. 21)



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.

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.

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