

SUZUKI GSX-R1100G/H/J / GSX-R750F/G/H Street Sports Full System

Product information



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

1. Product Information :

Description	SUZUKI GSX-R1100G/H/J('86-'88) / GSX-R750F/G/H('85-'87) Street Sports Full System		
Part Number	Stainless Sleeve (SS) : 180-511-5250	Main Material	Stainless steel
	Titanium Sleeve (ST) : 180-511-5280	Weight	(SS) : 6.7kg
Cyclone Type	S511SCI11	[STD(R1100) : 11.5kg] [STD(R750) : 8.3kg]	(ST) : 6.5kg

2. Contents:

No.	Descriptions	Part No.	Q'ty	No.	Descriptions	Part No.	Q'ty
1	Exhaust Pipe #1	181-511-5200	1	14	Flange Nut M8	823-008-1250	1
2	Exhaust Pipe #2	182-511-5200	1	15	SUS Washer M6x13	812-206-1310	1
3	Exhaust Pipe #3	183-511-5200	1	16	Washer M8x26	812-108-2600	3
4	Exhaust Pipe #4	184-511-5200	1	17	Spring Washer M6	814-106-1216	2
5	Exhaust Collector	119-514-5002	1	18	Grommet Rubber	553-565-0000	1
6	Tailpipe	185-511-5200	1	19	Grommet Spacer	850-208-1212	1
7	Silencer Assembly Stainless sleeve	186-511-5250	1	20	Spacer 8-26-40	850-008-26A0	1
	Silencer Assembly Titanium sleeve	186-511-5280		21	Spacer 6-17-10	850-006-1710	1
8	Silencer Band	162-43R-1059	1	22	Exhaust Spring (Long)	118-000-1000	8
9	Silencer Band Rubber	896-003-0536	1	23	dB-killer SD#129	138-138-35C9	1
10	Silencer Bracket	161-511-0200	1	24	Button Bolt M6x12 with Thread Lock	803-806-4012	1
11	Cap Bolt M8x25	800-208-5025	8	25	U Nut M6	820-006-1000	1
12	Cap Bolt M8x70	800-208-5070	1	26	Exhaust Gasket #446	129-446-1000	4
13	Cap Bolt M6x25	800-206-4025	2	*	Spring Inner Tube	118-000-1100	2

3. Optional Part :

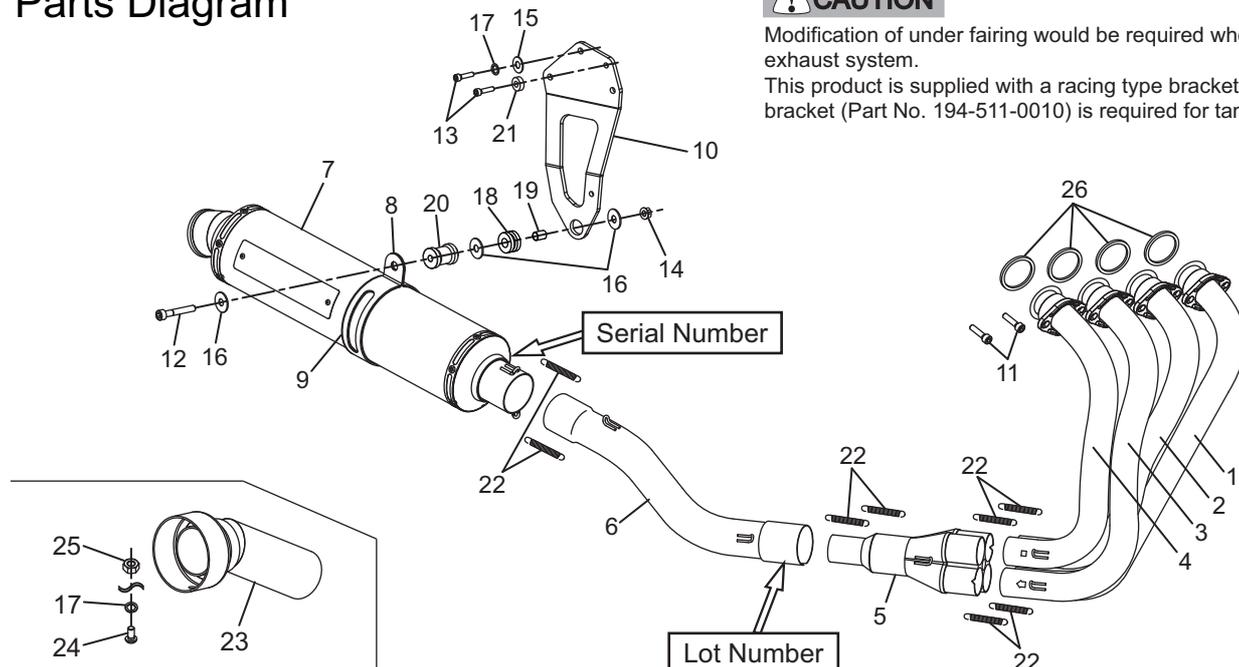
Description	Part No.
Exhaust Bracket with Passenger's foot peg	194-511-0010

Parts Diagram

CAUTION

Modification of under fairing would be required when installing this exhaust system.

This product is supplied with a racing type bracket, and the option bracket (Part No. 194-511-0010) is required for tandem ride.



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.

- 1) Check all the component parts are in hand.
- 2) According to Suzuki service manual, remove stock under fairing, side fairing L&R, seat fairing R, exhaust system and passenger's foot peg bracket from vehicle. (See Fig. 1)

CAUTION When removing stock parts, be careful not to damage frame, swing arm or other components.

REFERENCE Stock nuts and bolt removed at this stage are reused when mounting Yoshimura product.



Fig. 1

- 3) Insert 2 of Spring Inner Tube into 2 of Exhaust Spring. (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.

REFERENCE These 2 of Exhaust Spring are used at Step 12.

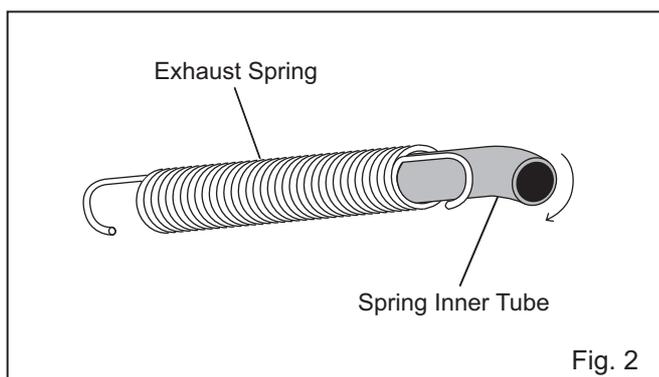


Fig. 2

- 4) Mount Grommet Rubber and Grommet Spacer on Silencer Bracket. (See Fig.3)

- 5) Mount Silencer Bracket to sub frame using 2 of stock bolt, Cap Bolt M6x25, Spring Washer M6 and SUS Washer M6x13. Tighten and torque stock bolts and Cap Bolt M6x25. (See Fig. 4 & 5 on next page)

Tightening Torque

Stock bolt & Cap Bolt M6x25 : 10Nm

CAUTION Torque specification must be followed.

REFERENCE Right Hand top bolt hole is not used at this stage.

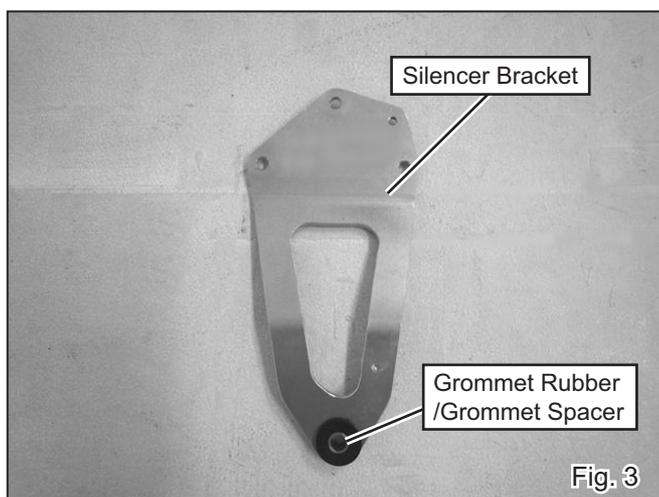
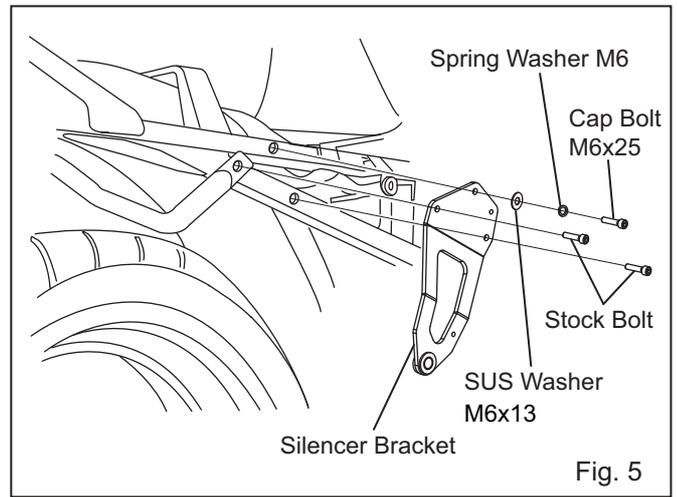
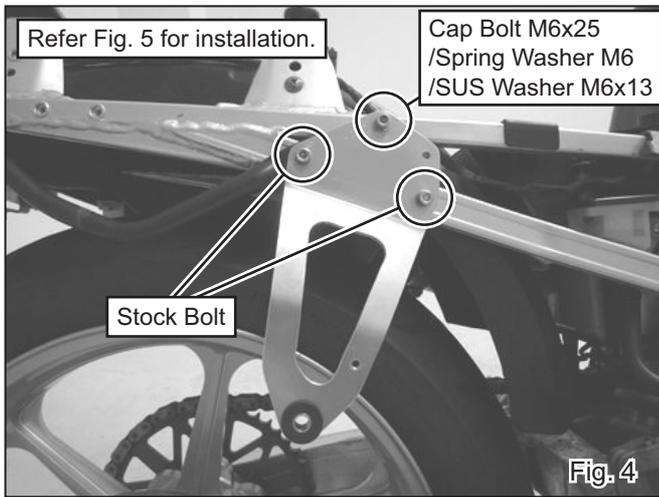


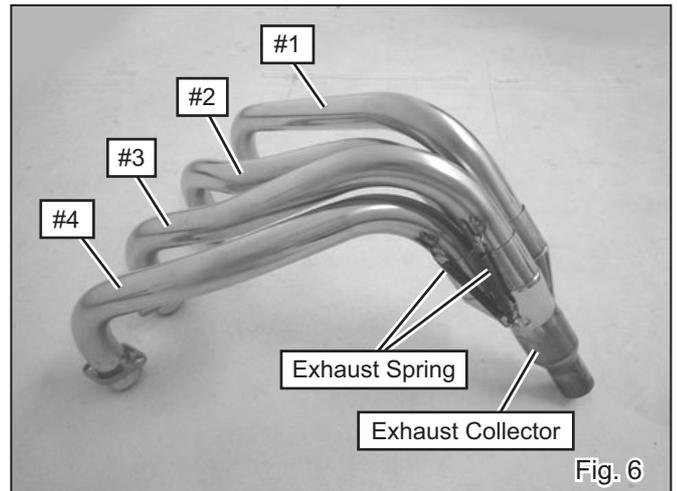
Fig. 3



- 6) Check sticker numbers on Exhaust Collector and install 4 of Exhaust Pipe in the right place from #4 >> #3 >> #1 >> #2 in order. Then, fit 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. (See Fig. 6)

REFERENCE Use Exhaust Spring without Spring Inner Tube.

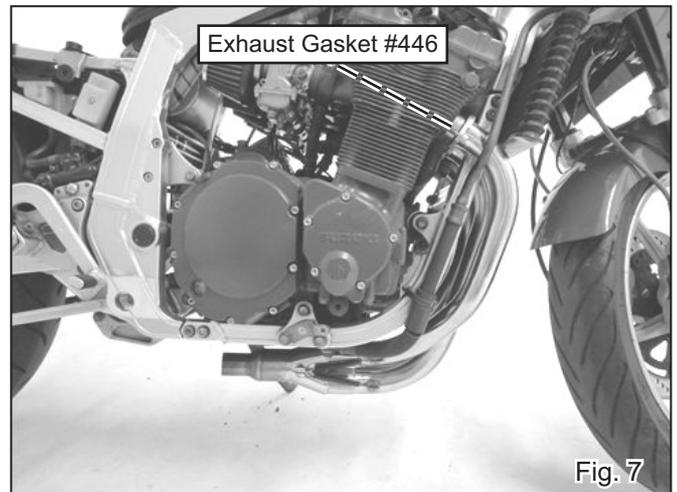
CAUTION Make sure that Exhaust Spring is hooked to spring installation tool firmly. If neglected, it may cause injury.



- 7) Peel stickers on Exhaust Collector and wide 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.

- 8) Replace stock exhaust gaskets at exhaust ports with 4 of Exhaust Gasket #446.

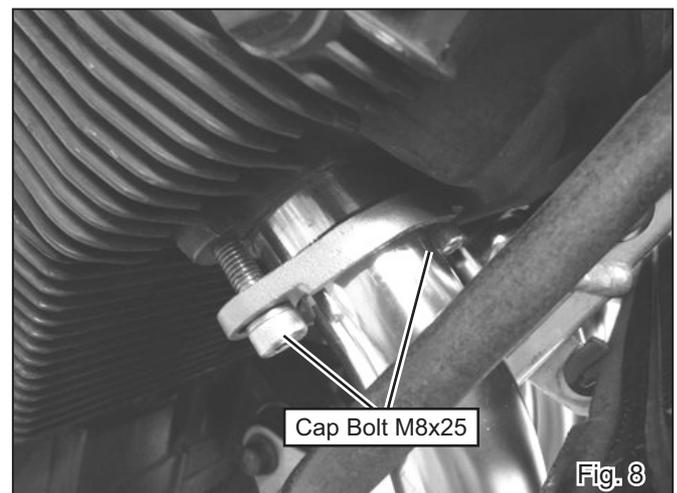


- 9) Mount Exhaust Pipes assembly which is completed at Step 6 to exhaust ports and fix it with 8 of Cap Bolt M8x25. Tighten bolts by hand only at this stage. (See Fig. 7 & 8)

- 10) Insert Tailpipe to Exhaust Collector and install 2 of Exhaust Spring. (See Fig. 9 on next page)

REFERENCE Use Exhaust Spring without Spring Inner Tube.

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



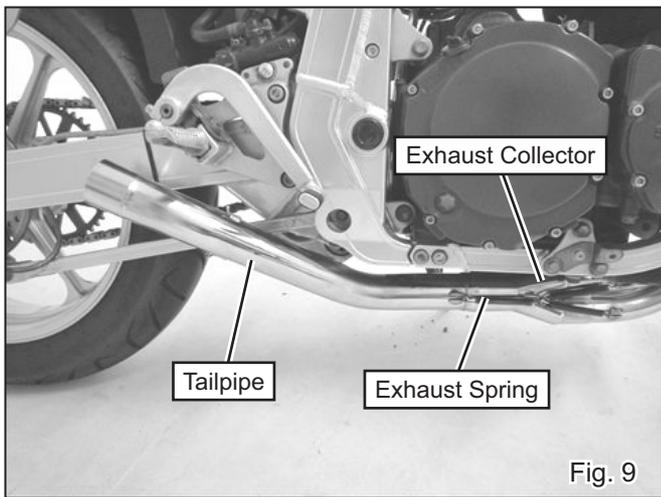


Fig. 9

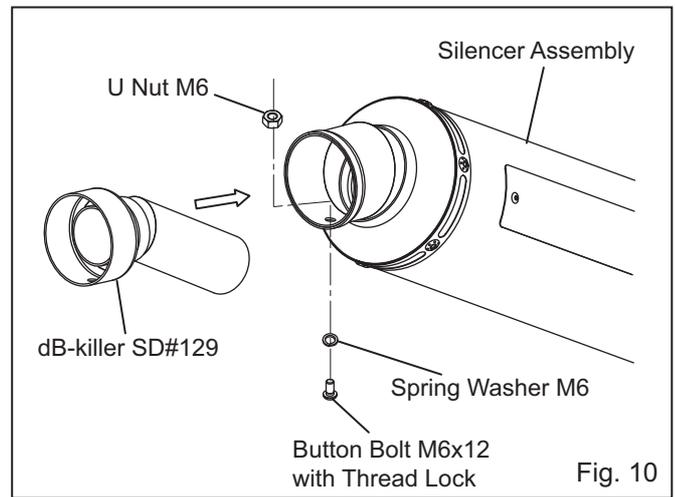


Fig. 10

- 11) In accordance with necessity, mount dB-killer SD#129 to Silencer Assembly using U Nut M6, Spring Washer M6 and Button Bolt M6x12 with Thread Lock. (See Fig 10)

Tightening Torque

Button Bolt M6x12 with Thread Lock : 10Nm

CAUTION Torque specification must be followed.

REFERENCE Without dB-killer SD#129
 GSX-R1100G/H/J : 104.5dB/4,750rpm
 GSX-R750F/G/H : 105dB/4,750rpm
 With dB-killer SD#129
 GSX-R1100G/H/J : 96.5dB/4,750rpm
 GSX-R750F/G/H : 96.7dB/4,750rpm

REFERENCE Noise decibel would be different depending on the condition of vehicle.

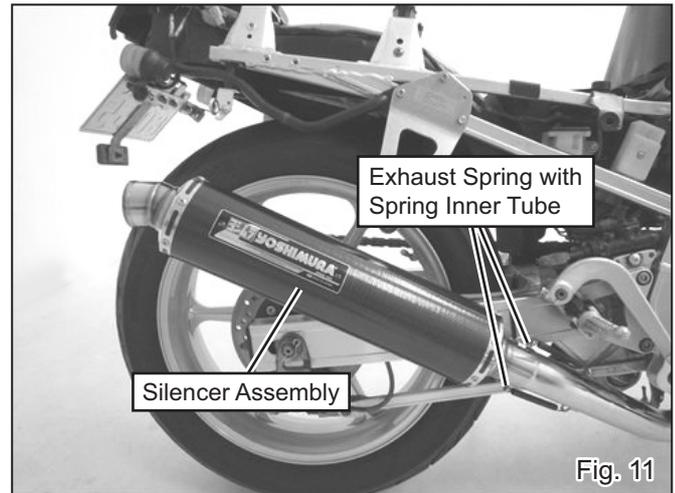


Fig. 11

- 12) Mount Silencer Assembly on Tailpipe and install 2 of Exhaust Spring with Spring Inner Tube. (See Fig.11)

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

- 13) Place Silencer Band Rubber inside Silencer Band, and slide the Silencer Band on Silencer Assy. Mount Silencer Band on Silencer Bracket using Cap Bolt M8x70, 3 of Washer M8x26, Spacer 8-26-40 and Flange Nut M8. (See Fig. 12 & 13) Tighten bolt by hand only at this stage.

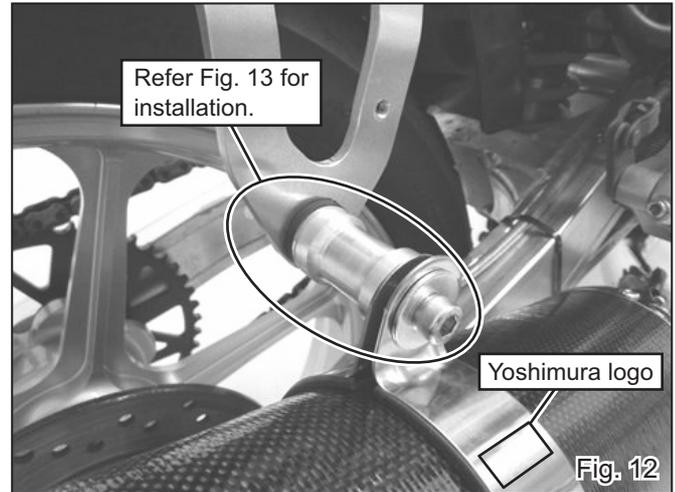


Fig. 12

CAUTION When mounting Silencer Band, make sure to locate Yoshimura logo outside. If neglected, it may cause accident from insufficient clearance between Silencer Assembly and swing arm.

CAUTION Make sure to place Silencer Band at right angle to Silencer Assembly. 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.

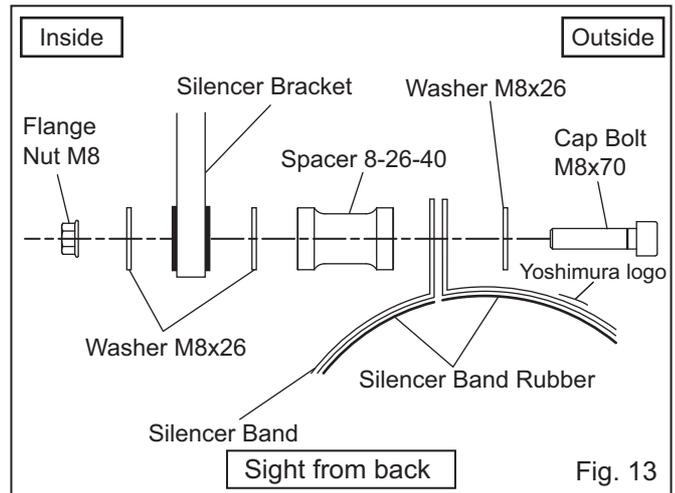


Fig. 13

- 14) Check that there are proper clearances between Yoshimura exhaust system and other components. Then, tighten and torque bolts at exhaust port and Silencer Band in order. (See Fig 14)

Tightening Torque

Cap Bolt M8x25 at exhaust port : 12Nm
Cap Bolt M8x70 at Silencer Band : 23Nm

CAUTION Torque specification must be followed.

CAUTION When tightening 8 of Cap Bolt M8x25, make sure to torque all the bolts little by little equally.

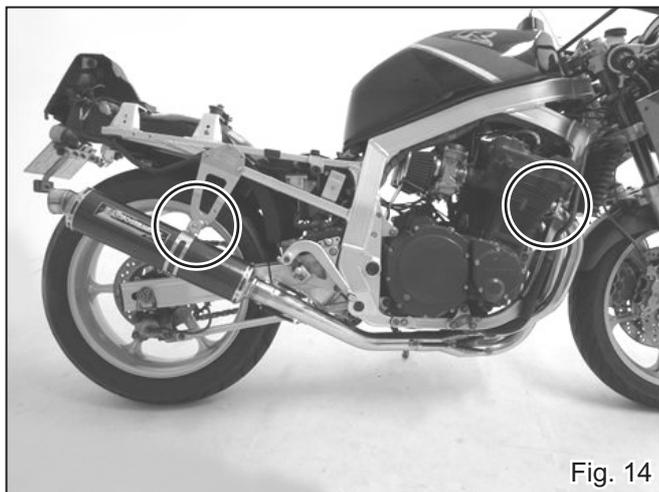


Fig. 14

- 15) Make sure there are proper clearance between Yoshimura exhaust system and other components such as swing arm. In case there is not enough clearance, loosen bolts and readjust the position of Yoshimura exhaust system. (See Fig. 15)

- 16) 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.

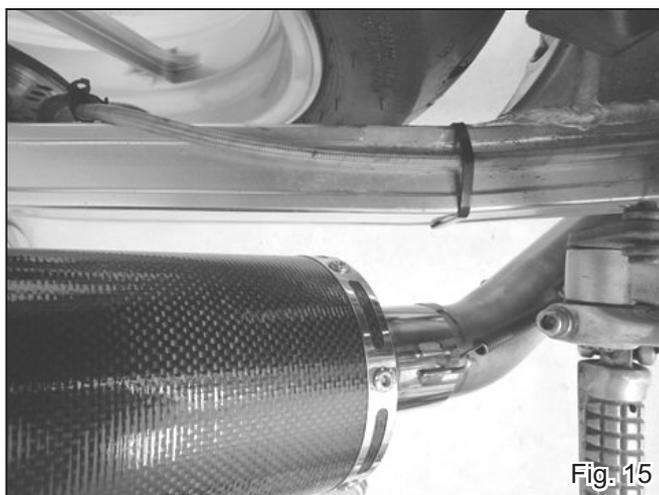


Fig. 15

- 17) 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.

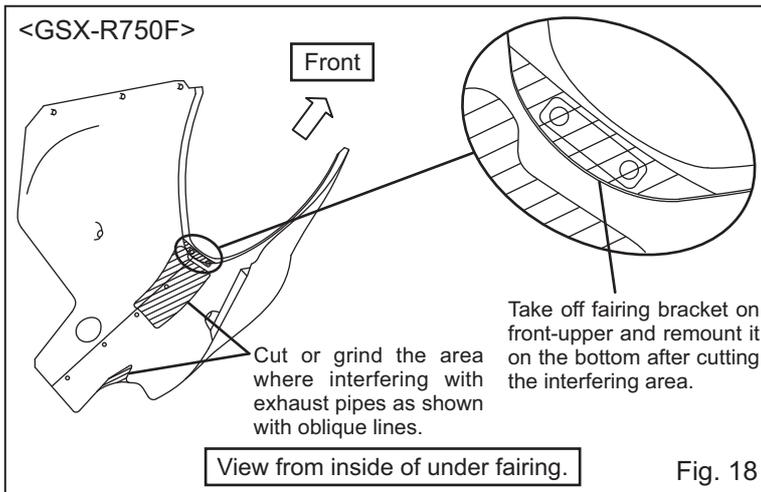
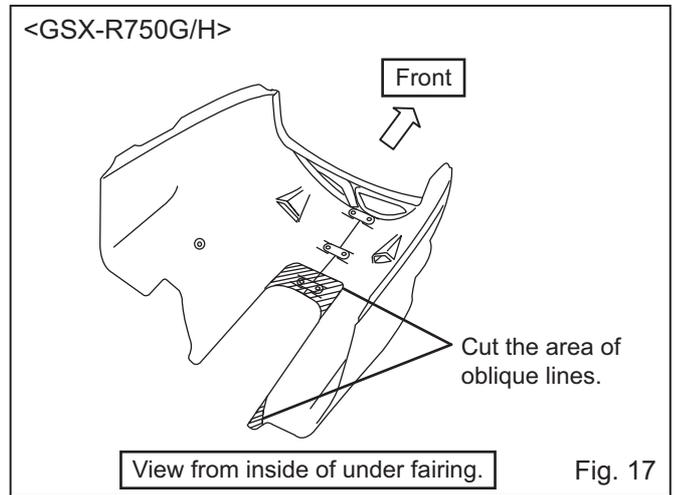
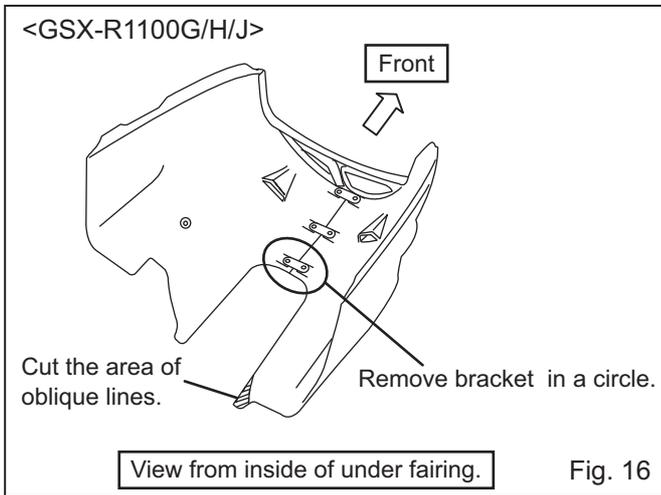
- 18) Modify stock under fairing to keep enough clearance between exhaust pipes and fairing.

<GSX-R1100G/H/J> Remove bracket from under fairing. Cut or scrape minimum oblique lined area. (See Fig. 16 on next page)

<GSX-R750G/H> Cut or scrape minimum oblique lined area. (See Fig. 17 on next page)

<GSX-R750F> Take off fairing bracket on front-upper and grind the area where interfering with exhaust pipes as shown with oblique lines. (See Fig. 18 on next page)
Then make holes and mount the removed bracket on front-bottom as shown. (See Fig. 19 on next page)

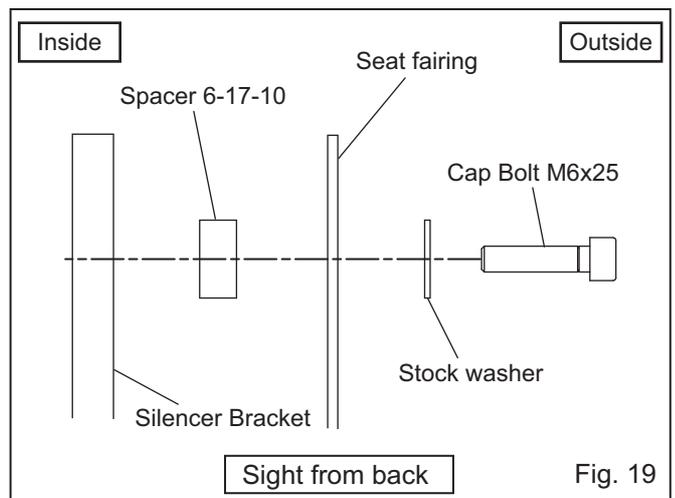
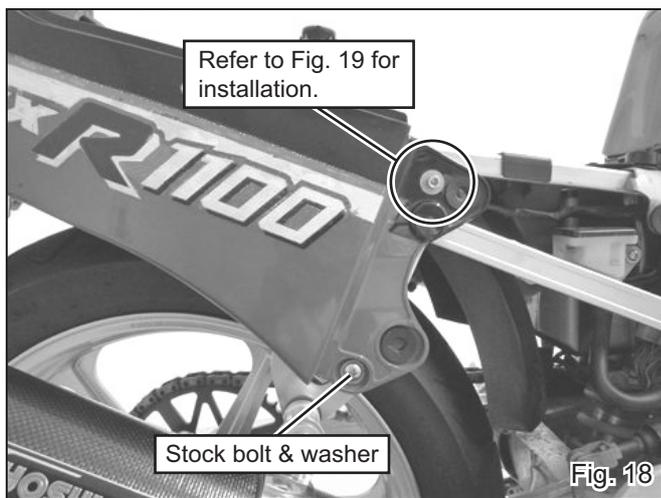
CAUTION Make sure to keep enough clearance from exhaust pipes. If neglected, it may cause damage of under fairing.



19) Reinstall seat fairing R using stock bolt, stock washers, Cap Bolt M6x25 and Spacer 6-17-10. (See Fig. 18 & 19)

Tightening Torque Cap Bolt M6x25 : 10Nm

CAUTION Torque specification must be followed.



20) Reinstall fairing and seat.

After Installation



! 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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