

SUZUKI GSX-R150/S150 TIS FULL SYSTEM R-77S CARBON END

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

- ! 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.
- ! CAUTION** During the work, be careful not to damage each parts.

1. Product Information :

| | | | |
|-------------|--|-------------------------|------------------------|
| Description | SUZUKI GSX-R150/S150 TIS R-77S Carbon End | Cyclone Type | S523S77C1 |
| Part Number | Stainless Sleeve (SSC) : 1T0A-523-5150 | Main Material | Stainless steel |
| | Metal Magic Sleeve (SMC) : 1T0A-523-5120 | Weight [STD : 4.3kg] | (SSC) & (SMC) : 3.0kg |
| | Titanium Sleeve (STC) : 1T0A-523-5180 | | (STC) & (STBC) : 2.8kg |
| | Titanium Blue Sleeve (STBC) : 1T0A-523-5180B | | |

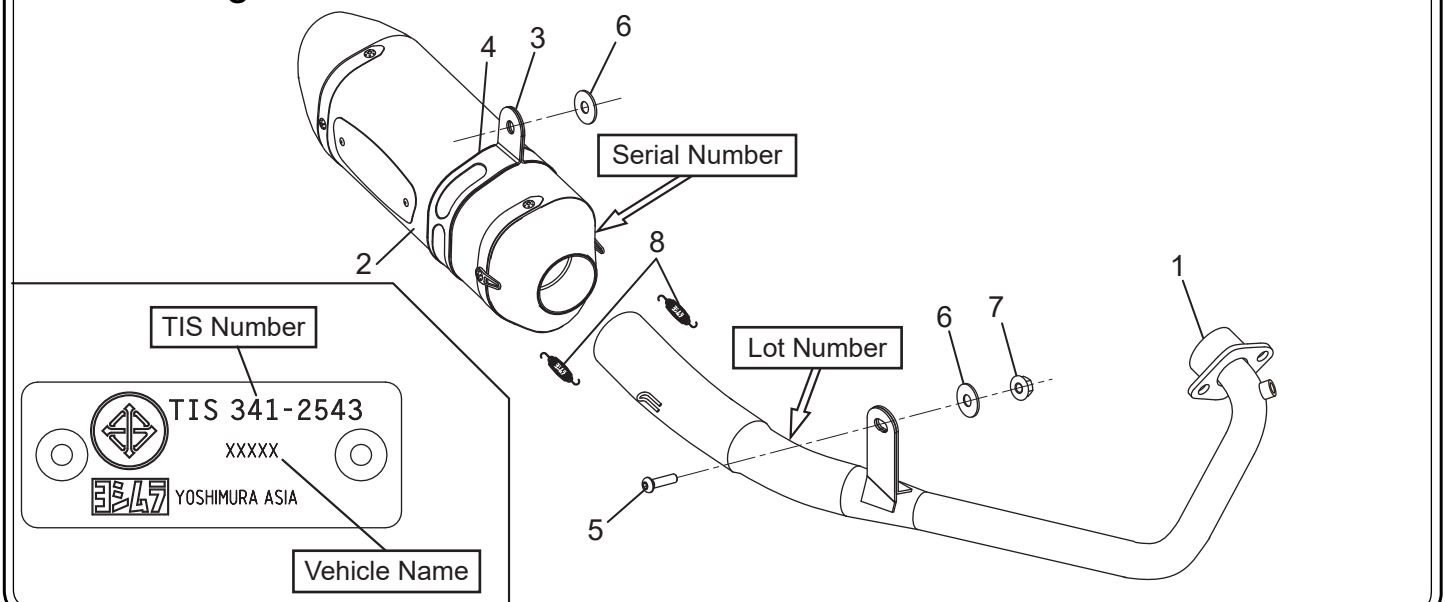
2. Applicable Model :

| | |
|-------|----------------------|
| Model | SUZUKI GSX-R150/S150 |
|-------|----------------------|

3. Contents:

| No. | Descriptions | Part No. | Q'ty | No. | Descriptions | Part No. | Q'ty |
|-----|-----------------------|---------------|------|-----|----------------------|--------------|------|
| 1 | Exhaust Pipe | 1T1-523-5100 | 1 | 4 | Silencer Band Rubber | 896-016-0835 | 1 |
| 2 | Silencer Assy, (SSC) | 1T6-523-5150 | 1 | 5 | Button Bolt M8x35 | 803-208-5035 | 1 |
| | Silencer Assy, (SMC) | 1T6-523-5120 | | 6 | Washer M8x26 | 812-108-2600 | 2 |
| | Silencer Assy, (STC) | 1T6-523-5180 | | 7 | Flange Nut M8 | 823-008-1250 | 1 |
| | Silencer Assy, (STBC) | 1T6-523-5180B | | 8 | Exhaust Spring | 118-001-2000 | 2 |
| | Silencer Band | 162-41R-G501 | | 1 | | | |

Parts Diagram



4. Installation steps:

- 1) Check all the component parts are in hand.
- 2) According to SUZUKI service manual, remove side and under fairings.
GSX-S150 is required only under faring removing.

- 3) Disconnect O2 sensor coupler. Then, remove stock exhaust system from vehicle (See Fig. 1 & 2).

CAUTION When removing stock exhaust system, be careful not to damage frame and other components.

REFERENCE Stock bolts and washer removed at this stage are reused when mounting Yoshimura exhaust system.

- 4) Remove O2 sensor from stock exhaust system. Then, install it to Exhaust Pipe and tighten with stated torque (See Fig. 3).

Tightening Torque O2 sensor : 25Nm

CAUTION Torque specification must be followed.

- 5) Insert SUZUKI genuine new exhaust gasket on exhaust port. Then, insert Exhaust Pipe into exhaust port and fix it with stock bolts (See Fig. 4 & 5). Tighten bolts by hand only at this stage.

CAUTION Use SUZUKI genuine new gasket.

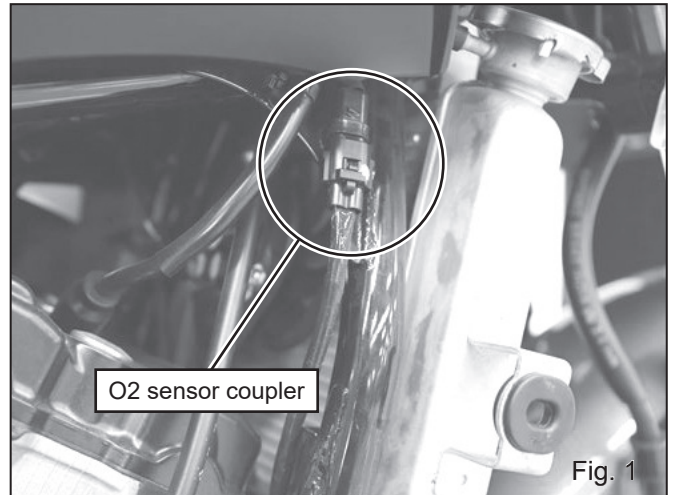


Fig. 1

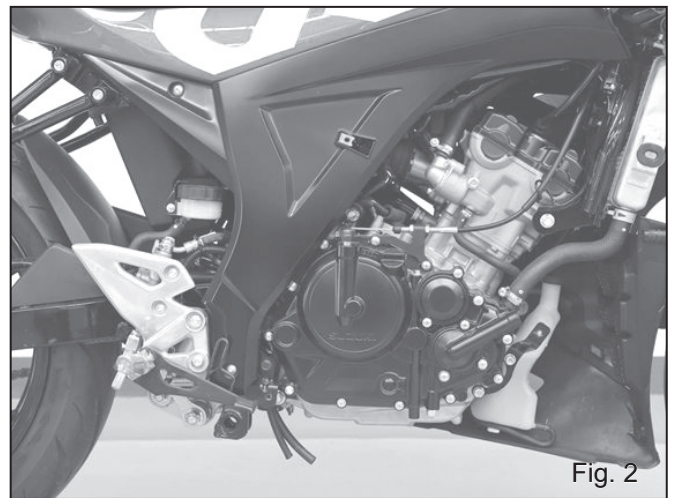


Fig. 2

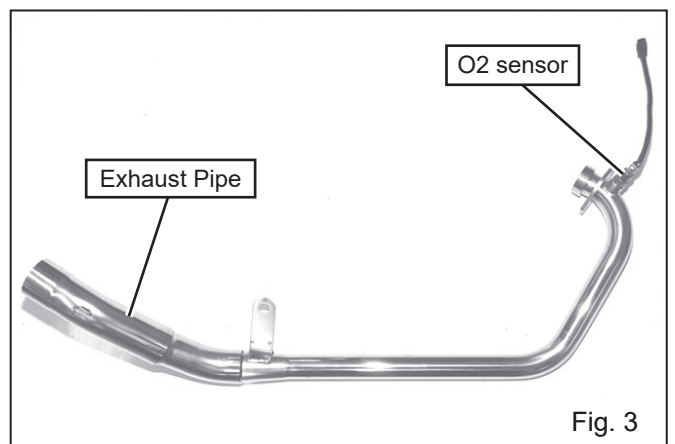


Fig. 3

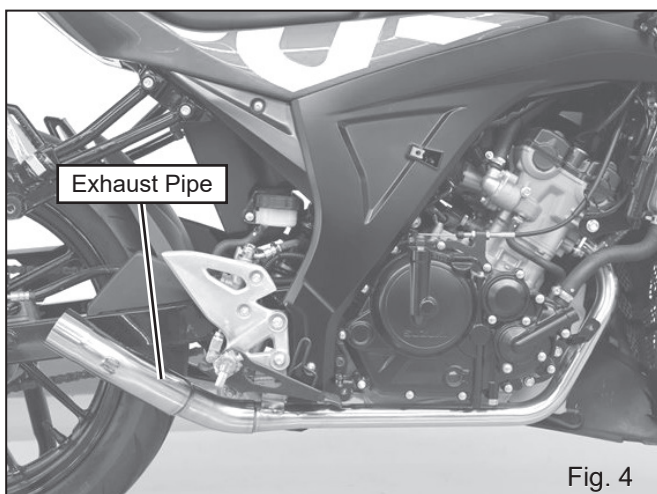


Fig. 4

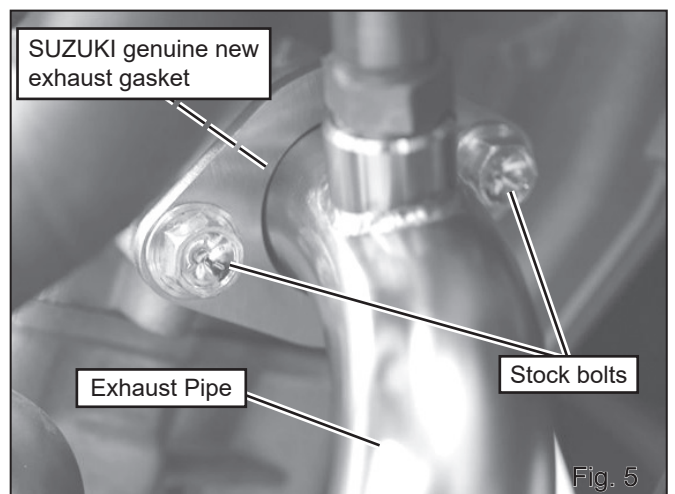


Fig. 5

- 6) Remove stock bolt on right hand foot peg bracket at the bottom one, and replace it with Button Bolt M8x35 and tighten with stated torque.
Then, mount Exhaust Pipe bracket to back of foot peg bracket using Washer M8x26 and Flange Nut M8 (See Fig 6, 7 & 8). Tighten the nut by hand only at this stage.

Tightening Torque

Button Bolt M8x35 : 23 Nm

CAUTION Torque specification must be followed.

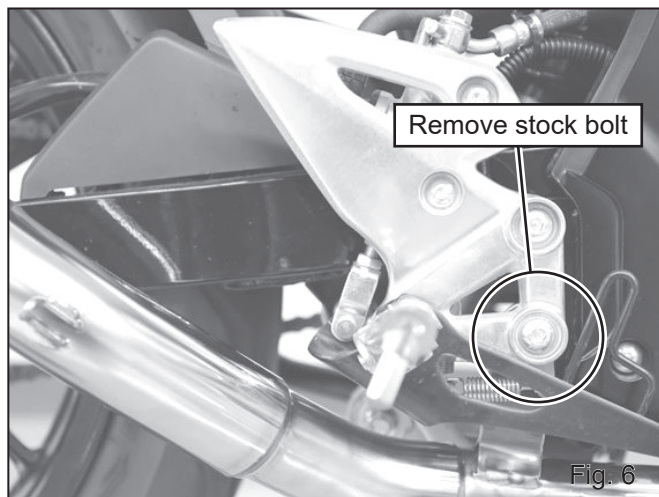


Fig. 6

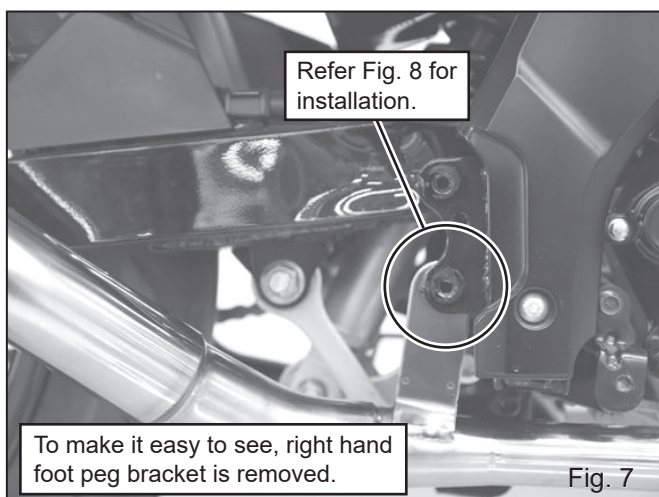


Fig. 7

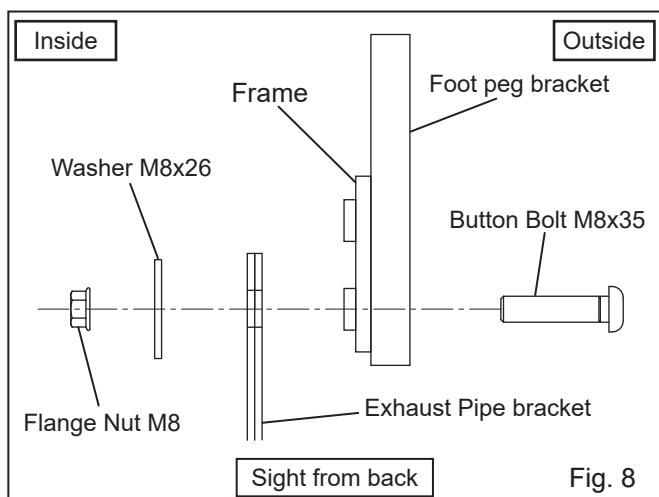


Fig. 8

- 7) For adjusting position of silencer, loosen bolts on right hand passenger's foot peg bracket (See Fig. 9).

REFERENCE It is NOT necessary to take out bolts completely.

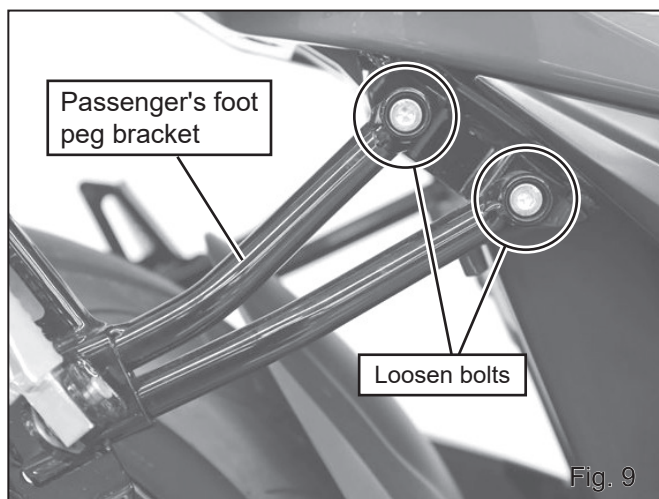


Fig. 9

- 8) Install Silencer Assy to Exhaust Pipe. Then, fix them with 2 of Exhaust Spring (See Fig. 10).

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

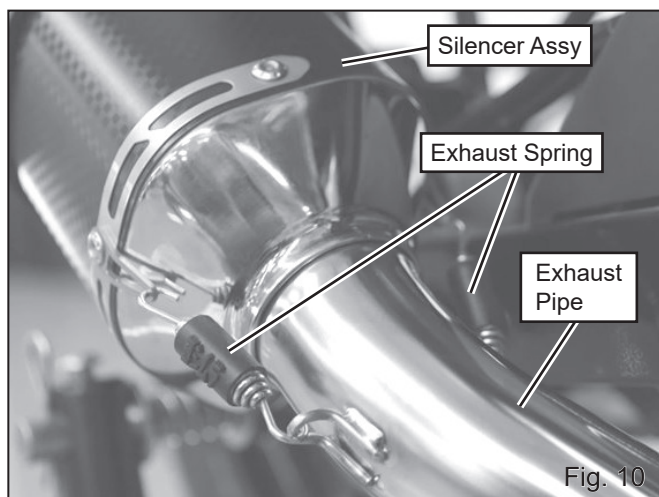
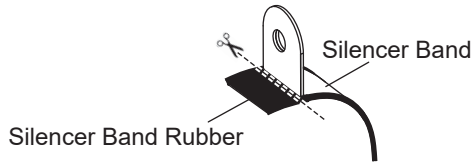


Fig. 10

- 9) Place Silencer Band Rubber into Silencer Band and attach Silencer Band on Silencer Assy. Then, fix Silencer Band to passenger's foot peg bracket with stock bolt, washer, nut and Washer M8x26 (See Fig. 11 & 12). Tighten the nut by hand only at this stage.

REFERENCE Cut excess of Silencer Band Rubber with scissors etc. when placing it inside Silencer Band.



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.

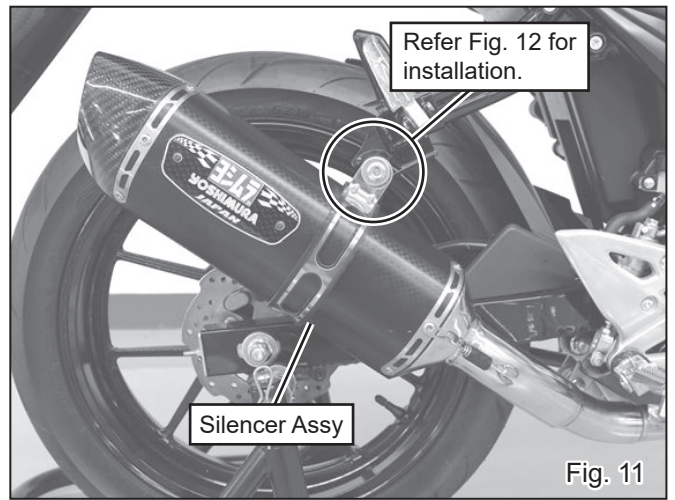


Fig. 11

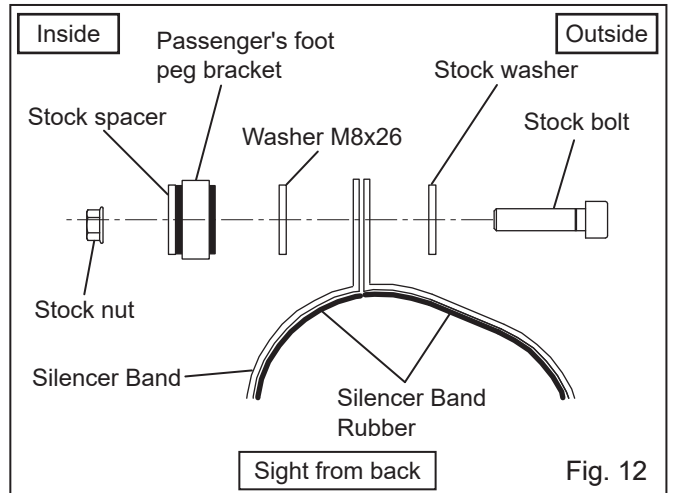


Fig. 12

- 10) Check that there are proper clearances between Yoshimura exhaust system and other components. Then, tighten and torque stock bolts on Flange, Flange Nut M8, stock bolt on passenger's foot peg bracket and stock bolt in order (See Fig. 13 & 14).

Tightening Torque

- Stock bolt (Exhaust Pipe: exhaust port) : 15 Nm
- Flange Nut M8 (Exhaust Pipe: right hand foot peg bracket) : 23 Nm
- Stock bolt (Passenger's foot peg bracket) : 23 Nm
- Stock bolt (Silencer Band) : 23Nm

CAUTION Torque specification must be followed.



Fig. 13

- 11) Reconnect O2 sensor coupler.

- 12) It is recommended that whole Yoshimura exhaust system to be 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, use soft cloth with dish soap. Do not use metal polish or parts cleaner. If neglect, the paint of Emblem and Metal Magic finish may come off or Titanium Blue color may tarnish.



Fig. 14

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



After Installation

! 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 Asia 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 Asia 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 Asia Co., Ltd.