

YAMAHA XMAX250 / 300 STREET SPORTS FULL SYSTEM R-77J

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** 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. Product Information :

Description	YAMAHA XMAX250 / 300 Street Sports Full System R-77J		Cyclone Type	Y319S77C1
Part Number	Metal Magic Sleeve (SM)	: 180A-316A5121	Main Material	Stainless steel
	Stainless Sleeve (SSF)	: 180A-316A5131	Weight	(SM) & (SSF) : 4.0kg
	Titanium Blue Sleeve (STB)	: 180A-316A5181B	[STD : 7.2kg]	(STB) : 3.8kg

2. Applicable Model :

Model	YAMAHA XMAX250 (19-20) / XMAX300 (19-21)
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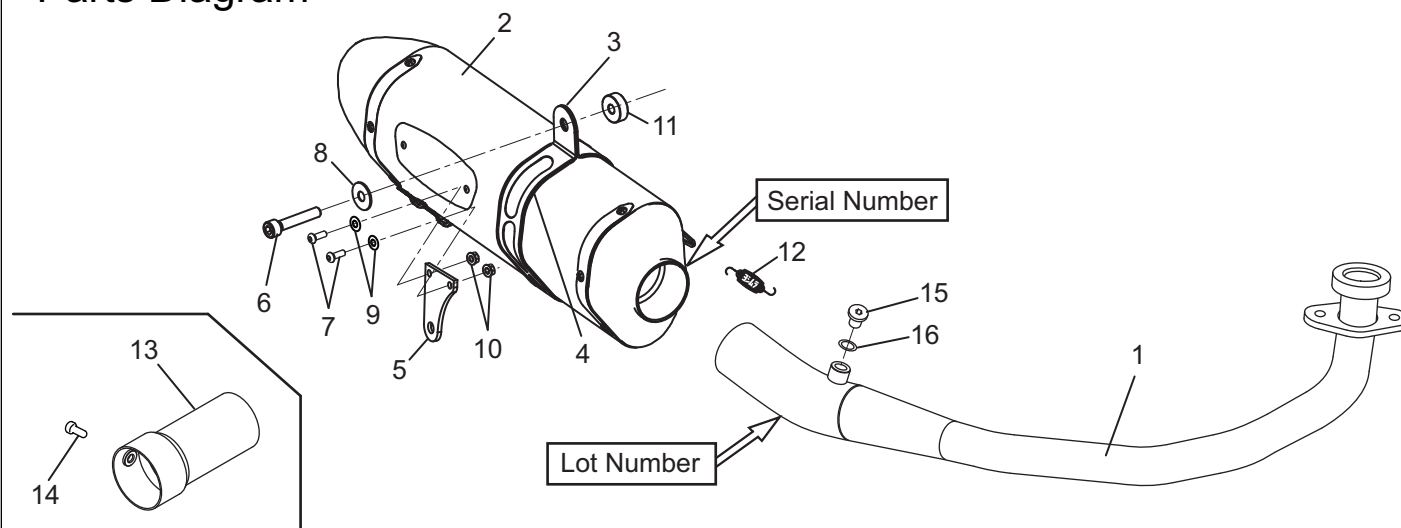
3. Optional Part :

Description	Part No.
Carbon Heat Guard Set Type-1	161-000-A610

4. Contents:

No.	Descriptions	Part No.	Q'ty	No.	Descriptions	Part No.	Q'ty
1	Exhaust Pipe	1T1-319-5U00	1	8	Washer M10x22	812-110-2216	1
2	Silencer Assy Metal Magic Sleeve	186-316-5120	1	9	Washer M6x13	812-206-1310	2
	Silencer Assy Stainless Sleeve	186-316-5130		10	Flange Nut M6	823-006-1000	2
	Silencer Assy Titanium Blue Sleeve	186-316-5180B		11	Spacer 10-24-15	860-010B2415	1
3	Silencer Band	162-CAX-1426	1	12	Exhaust Spring (Medium Floating)	118-001-2000	1
4	Silencer Band Rubber	896-016-0835	1	13	dB Killer SD#98	138-138-4398	1
5	Silencer Bracket	161-316-0310	1	14	Cap Bolt M6x6 Thread Lock	800-806-4006	1
6	Cap Bolt M10x55 P1.25	800-210-5055	1	15	Plug	862-112-1812	1
7	Button Bolt M6x20	803-206-4020	2	16	Plug Washer	812-112-0000	1

Parts Diagram



5. Installation steps:

- 1) Check that all the component parts are in hand.
- 2) Keep motorcycle straight up with main stand. If the O2 sensor is installed on stock exhaust system, refer to the YAMAHA service manual and remove the O2 sensor coupler from the vehicle.
- 3) According to Yamaha service manual, remove stock exhaust system from vehicle. (See Fig. 1)

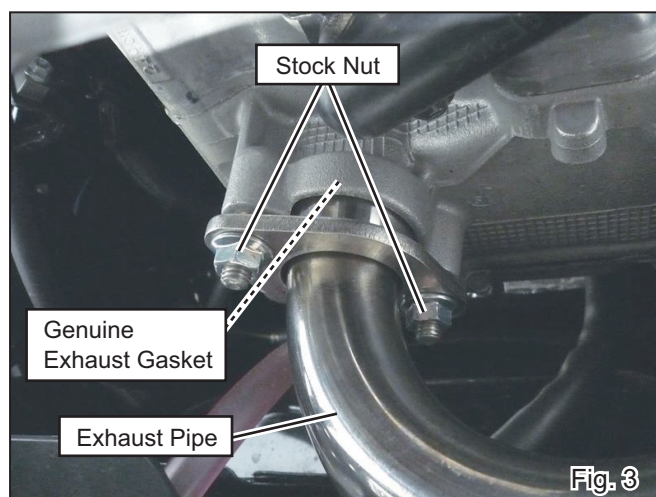
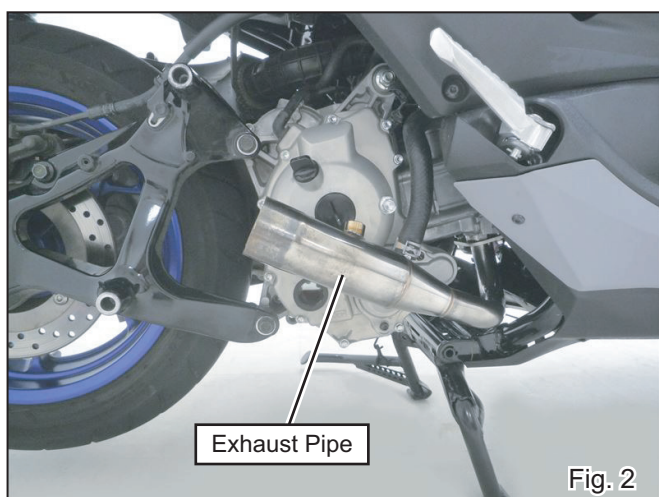
CAUTION When removing exhaust system, be careful not to damage frame or other components.

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

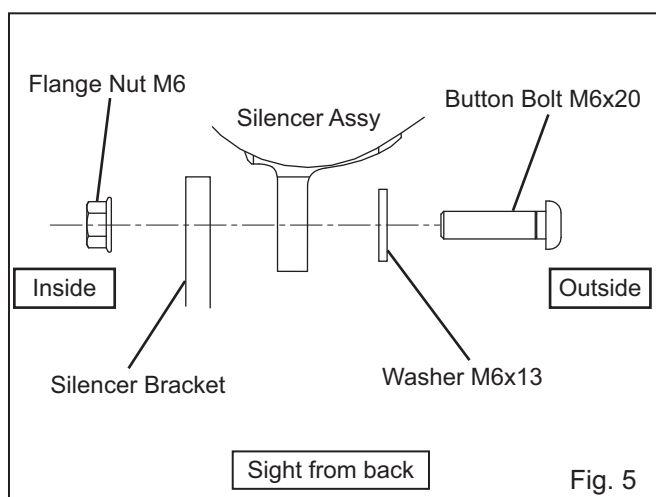
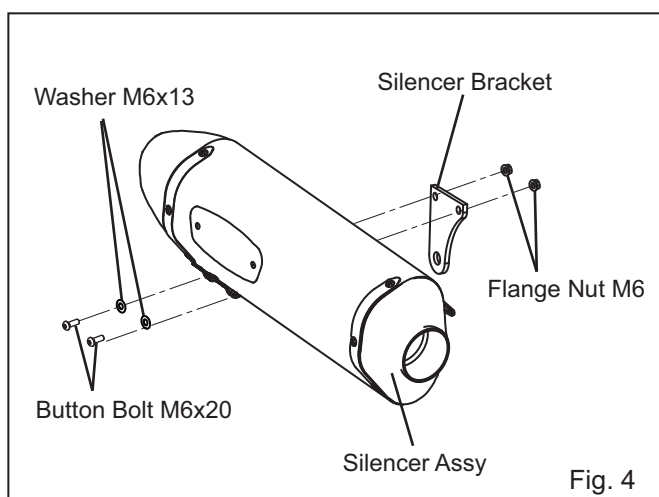


- 4) Make sure to insert YAMAHA genuine exhaust gasket into exhaust port. Then, mount Exhaust Pipe on exhaust port with stock nuts. Tighten nuts by hand at this stage. (See Fig. 2 & 3)

CAUTION Use YAMAHA genuine new gasket.

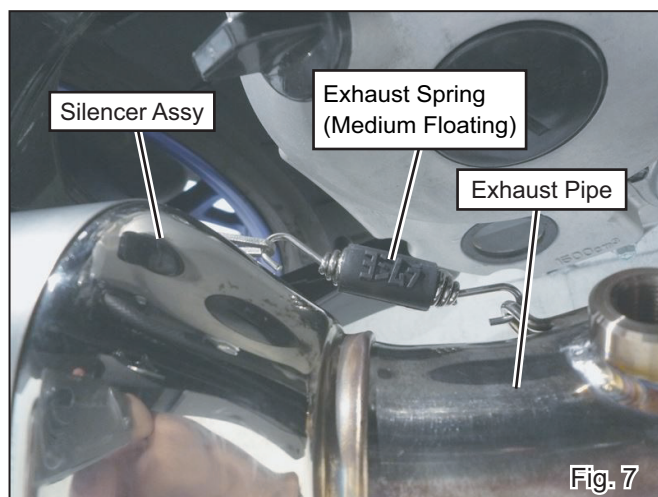
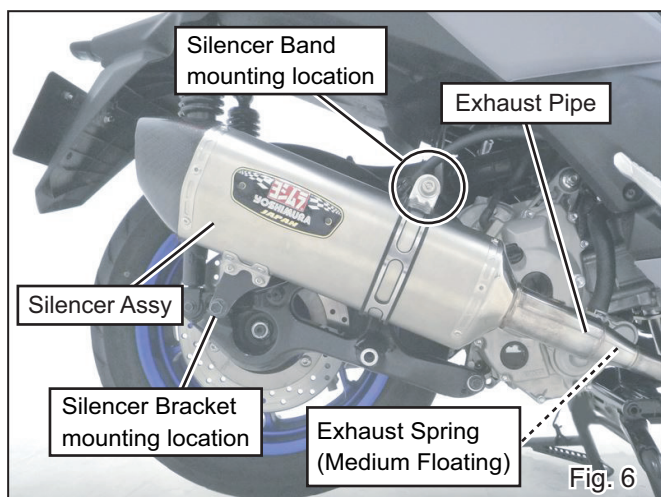


- 5) Attach Silencer Bracket onto Silencer Assy with 2 of each Button Bolt M6x20, Washer M6x13 and Flange Nut M6. (See Fig. 4 & 5) Tighten bolts by hand only at this stage.

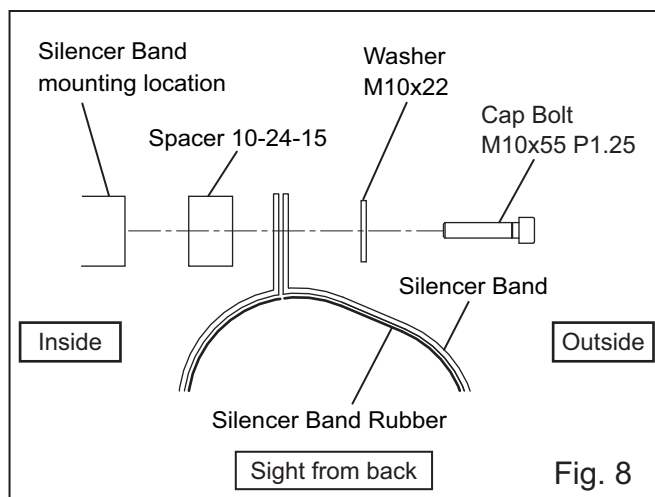


- 6) Mount Silencer Assy on Exhaust Pipe and fix Silencer Bracket with stock bolt. Tighten bolt by hand only at this stage. Then install Exhaust Spring. (See Fig. 6 & 7)

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



- 7) Place Silencer Band Rubber inside Silencer Band, and slide them on Silencer Assy from exhaust pipe side. Then, fix Silencer Band with Cap Bolt M10x55P1.25, Washer M10x22 and Spacer 10-24-15. Tighten bolt by hand only at this stage. (See Fig. 6 & 8)

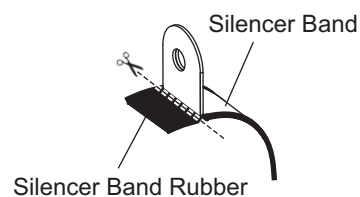


REFERENCE Cut excess of Silencer Band Rubber with scissors etc. when placing it inside Silencer Band.

REFERENCE Put Silencer Band through Exhaust Pipe and slide it from front side. Do not open Silencer Band ears widely to mount it directly on the Silencer Assy. If neglected, it may cause deformation of 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.



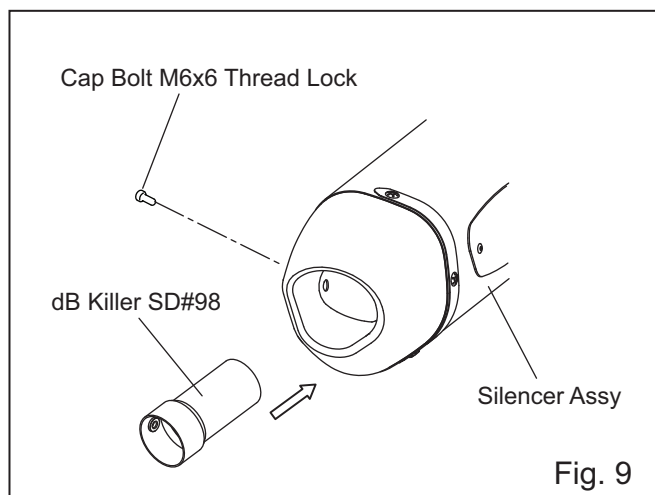
- 8) If necessary, install dB Killer SD#98 using Cap Bolt M6x6 Thread Lock. (See Fig. 9) Tighten and torque the bolt.

Tightening Torque Cap Bolt M6x6 Thread Lock : 10 Nm

CAUTION Torque specification must be followed.

REFERENCE

Without dB Killer	: 93dB / 3,500rpm
dB Killer SD#98	: 92dB / 3,500rpm (XMAX300)

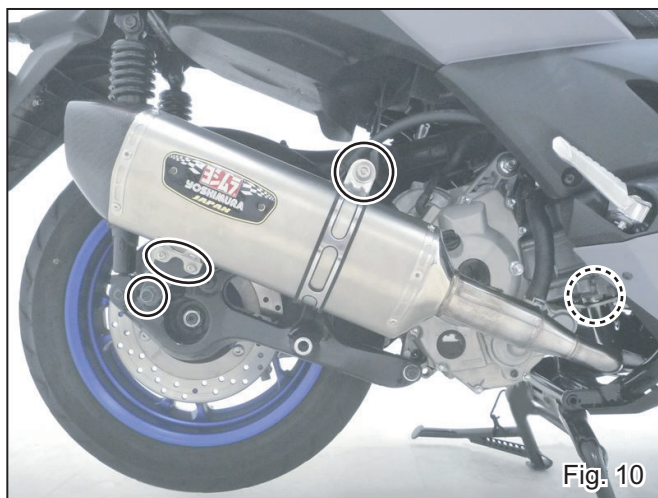


- 9) Check that there are proper clearances between Yoshimura Exhaust System and other components, and adjust the position and angle of Silencer Assy. Then tighten and torque 2 of stock nut at exhaust port, stock bolt at Silencer Bracket, 2 of Button Bolt M6x20 at Silencer Bracket and Cap Bolt M10x55P1.25 at Silencer Bracket in order. (See Fig. 10)

Tightening Torque

Stock Nuts	: 15 Nm
Stock Bolt	: 23 Nm
Button Bolt M6	: 10 Nm
Cap Bolt M10	: 23 Nm

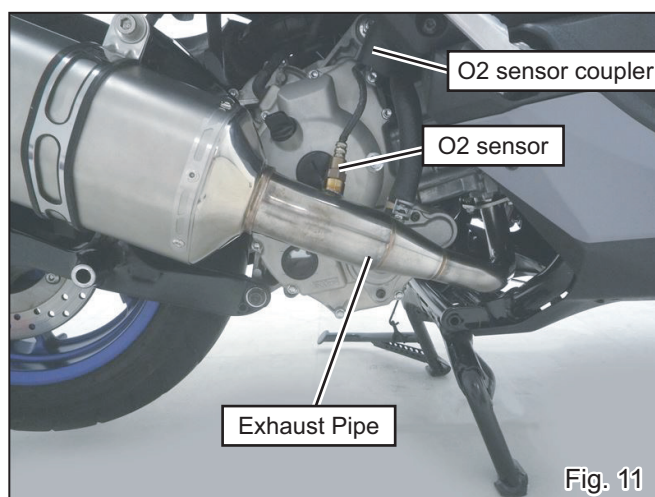
CAUTION Torque specification must be followed.



- 10) If the O2 sensor is installed on stock exhaust system, remove O2 sensor from stock exhaust system and install it on Exhaust Pipe. If the O2 sensor is not installed, install a plug and plug washer on the exhaust pipe. Tighten and torque the O2 sensor or Plug. (See Fig. 11)

CAUTION Handle O2 sensor with care not to be hit. If neglected, it may cause serious damage.

Tightening Torque O2 sensor or Plug : 25Nm



- 11) If the O2 sensor is installed on Exhaust Pipe, reconnect O2 sensor coupler on vehicle. (See Fig. 11)

- 12) It is recommended whole Exhaust System to be wiped down with dish soap to remove oil and fingerprints. This will prevent from tarnishing of finish after Exhaust System has heated up.

CAUTION When cleaning silencer, use soft cloth and 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.

- 13) Warm-up engine, and inspect the exhaust leaking. If "after fire" sounds severely, seal the gaps of joint with silicone gasket etc. Then, tighten all bolts further after engine has 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.

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 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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