

## HONDA ADV150

### STREET SPORTS FULL SYSTEM R-77S

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** 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	HONDA ADV150 Street Sports Full System R-77S		Cyclone Type	H43CSCI11
Part Number	Metal Magic Sleeve (SM)	: 180A-43CA5120	Main Material	Stainless steel
	Satin Finish Sleeve (SSF)	: 180A-43CA5130	Weight	(SM) & (SSF) : 2.9kg
	Titanium Blue Sleeve (STB)	: 180A-43CA5180B	[STD : 2.8kg]	(STB) : 2.7kg

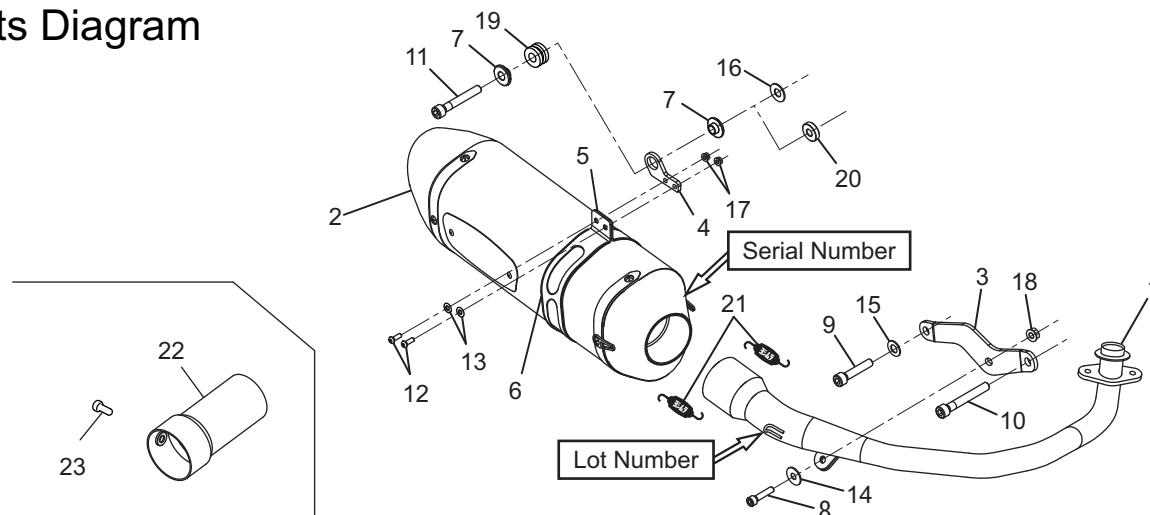
### 2. Applicable Model :

Model	HONDA ADV150 (19-20)
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### 3. Contents:

No.	Descriptions	Part No.	Q'ty	No.	Descriptions	Part No.	Q'ty
1	Exhaust Pipe	181-43C-5U00	1	12	Button Bolt M6x15	803-206-4015	2
	Silencer Assy Metal Magic Sleeve	186-43C-5120		13	Washer M6x13	812-206-1310	2
2	Silencer Assy Satin Finish Sleeve	186-43C-5130	1	14	Washer M8x20	812-108-2000	1
	Silencer Assy Titanium Blue Sleeve	186-43C-5180B		15	Washer M10x22	812-110-2216	1
3	Exhaust Pipe Bracket	161-43C-0000	1	16	Washer M10x26	812-210-2615	1
4	Silencer Bracket	161-43C-0020	1	17	Flange Nut M6	823-006-1000	2
5	Silencer Band	162-40R-G500	1	18	Flange Nut M8	823-008-1250	1
6	Silencer Band Rubber	896-016-0835	1	19	Grommet Rubber	553-565-0000	1
7	Gromet Speacer 10-26-9	850-210-26A1	2	20	Spacer 10-24-5	850-010-2405	1
8	Cap Bolt M8x20	800-208-5020	1	21	Exhaust Spring (Medium Floating)	118-001-2000	2
9	Cap Bolt M10x35 P1.25	800-210-5035	1	22	dB Killer SD#98	138-138-4398	1
10	Cap Bolt M10x45 P1.25	800-210-5045	1	23	Cap Bolt M6x6 Thread Lock	800-806-4006	1
11	Cap Bolt M10x55 P1.25	800-210-5055	1				

### Parts Diagram



## 4. Installation steps:

- 1) Check that all the component parts are in hand.

- 2) According to Honda service manual, remove stock exhaust system. (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.



Fig. 1

- 3) Take out stock bolt and washer which is mounting swing arm bottom side. (See Fig. 2)

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

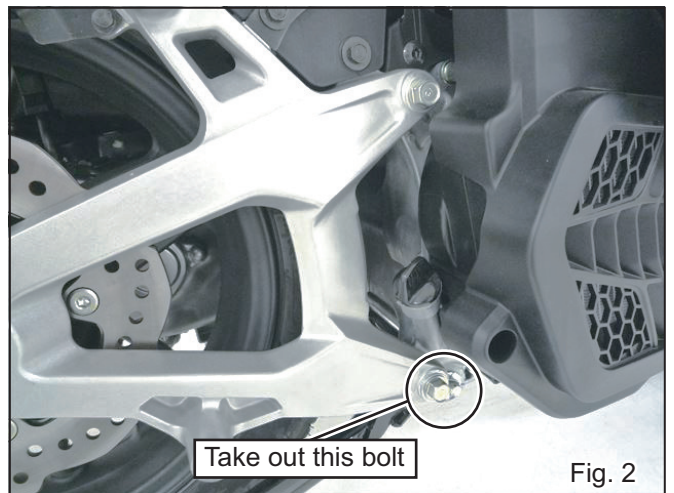


Fig. 2

- 4) Mount Exhaust Pipe Bracket with Cap Bolt M10x35 P1.25, Cap Bolt M10x45 P1.25, washer M10x22 and stock washer. (See Fig. 3)

**Tightening Torque** Cap Bolt M10 : 39 Nm

**CAUTION** Torque specification must be followed.

**REFERENCE** Make sure to use Cap Bolt M10x35 P1.25 and Washer M10x22 for rear side, and Cap Bolt M10x45 P1.25 and stock washer for front side.

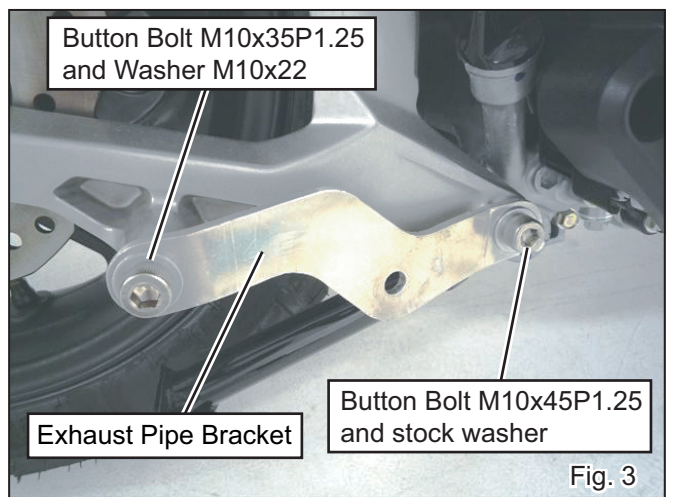


Fig. 3

- 5) Mount Grommet Rubber and 2 of Grommet Spacer10-26-9 on Silencer Bracket. (See Fig. 4)

- 6) Make sure to insert HONDA 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. 5 & 6 on next page)

**CAUTION** Use new HONDA genuine exhaust gasket.

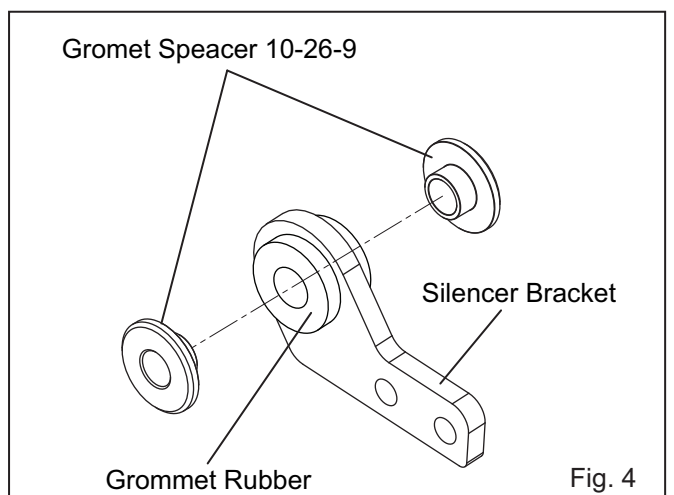


Fig. 4

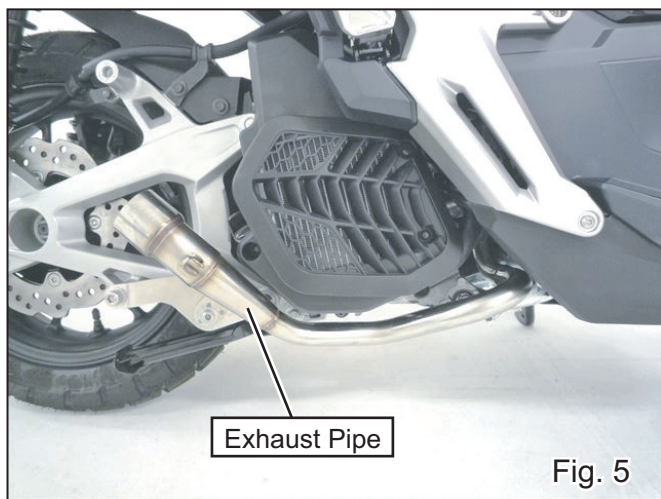


Fig. 5

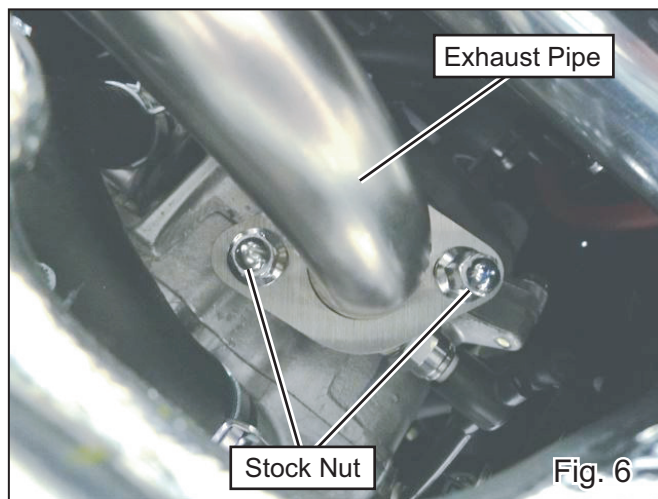


Fig. 6

- 7) Fix Exhaust Pipe onto Exhaust Pipe Bracket with Cap Bolt M8x20, Washer M8x20 and Flange Nut M8. Tighten bolt by hand only at this stage. (See Fig. 7 & 8)

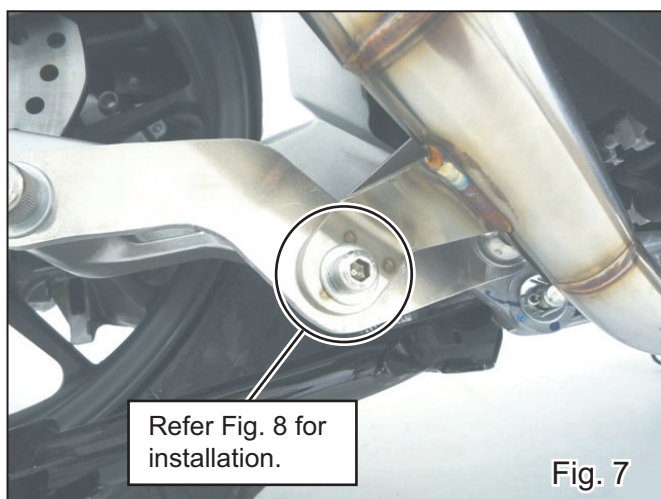


Fig. 7

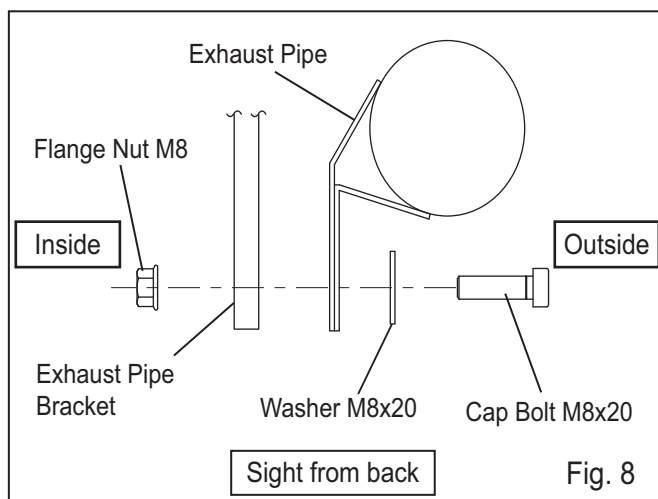


Fig. 8

- 8) Place Silencer Band Rubber inside Silencer Band, and slide them on Silencer Assy. Set Silencer Band position at **75mm** from front edge of silencer sleeve, then fix Silencer Band on Silencer Bracket with 2 of each Button Bolt M6x15, Washer M6x13 and Flange Nut M6. (See Fig. 9) Tighten bolt by hand only at this stage.

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

**CAUTION** Before 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.

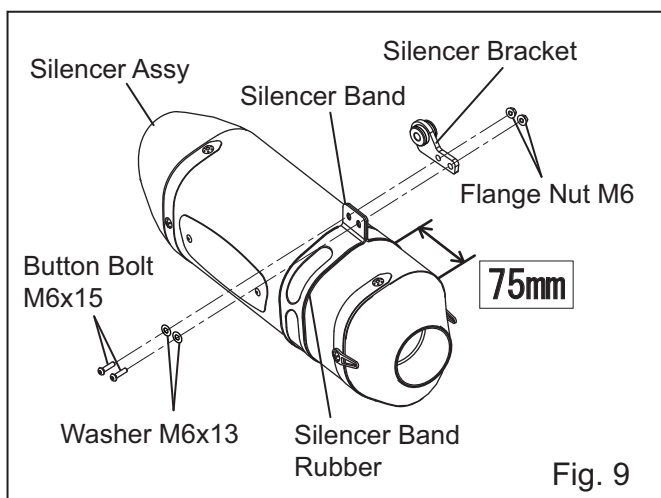
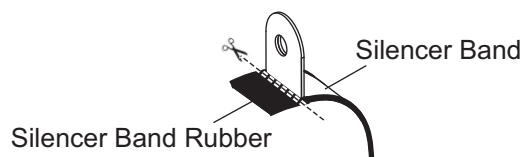


Fig. 9

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

**CAUTION** When mounting Silencer Band on Silencer Assy, make sure to face Yoshimura Logo outside.



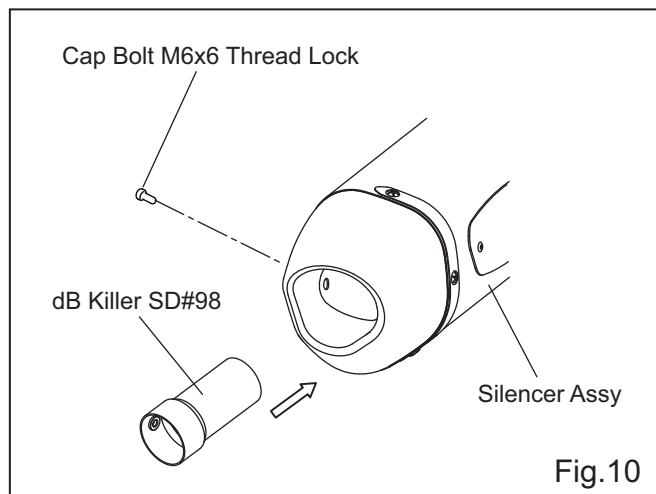


- 9) If necessary, install dB Killer SD#98 using Cap Bolt M6x6 Thread Lock (See Fig.10). Tighten and torque the bolt.

REFERENCE	Without dB Killer	; 95dB / 4,250rpm
	dB Killer SD#98	; 93dB / 4,250rpm

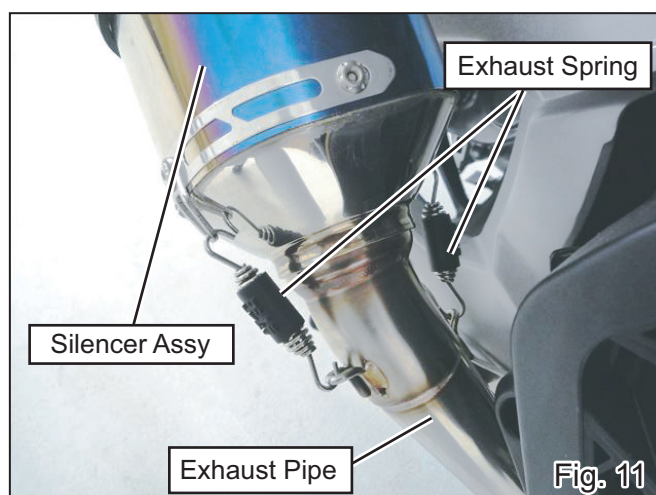
**Tightening Torque** Cap Bolt M6x6 Thread Lock : 10 Nm

**CAUTION** Torque specification must be followed.

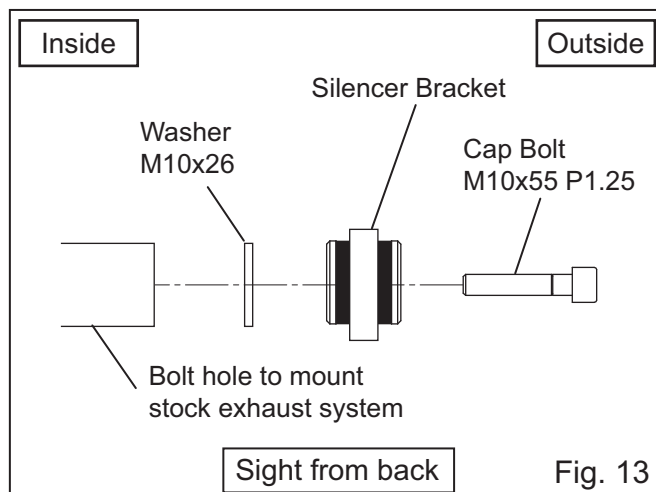
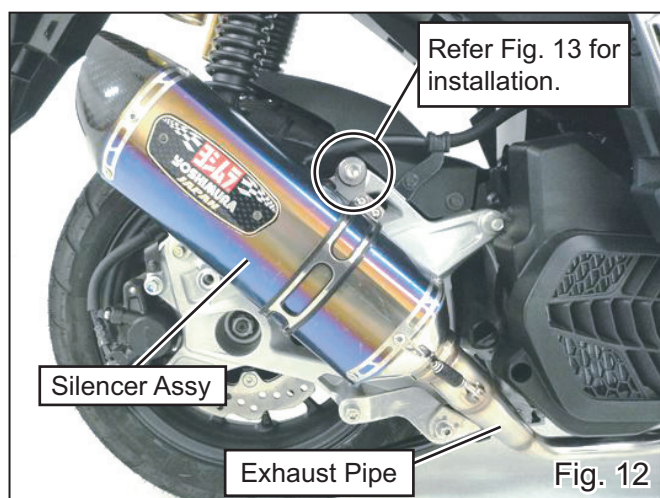


- 10) Install 2 of Exhaust Spring. (See Fig. 11)

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



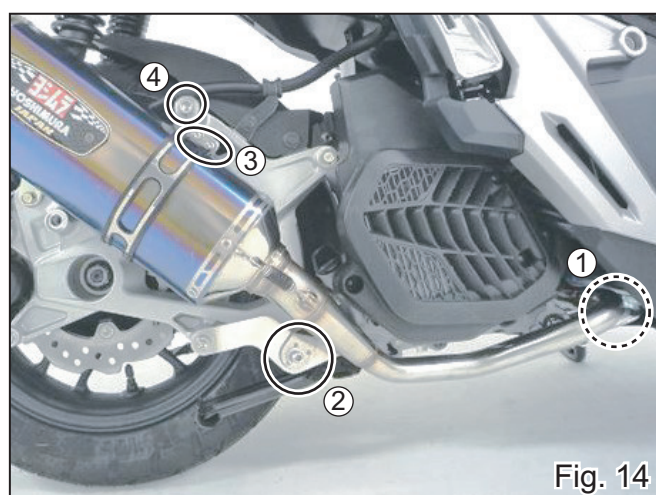
- 11) Mount Silencer Bracket with Cap Bolt M10x55 P1.25, Washer M10x26. Tighten bolt by hand only at this stage. (See Fig. 12 & 13)



- 12) Check from back, adjust angle of Silencer Assy and keep proper clearance between Yoshimura exhaust system and other components such as swing arm. Then, tighten and torque 2 of stock nut at exhaust port, Cap Bolt M8x20 on Exhaust Pipe Bracket, and Button Bolt M6x15 and Cap Bolt M10x55 P1.25 on Silencer Bracket in order. (See Fig.14)

<b>Tightening Torque</b>	Stock nut	: 10 Nm
	Cap Bolt M8	: 23 Nm
	Button Bolt M6	: 10 Nm
	Cap Bolt M10	: 39 Nm

**CAUTION** Torque specification must be followed.



- 13) Check from back and confirm the clearance between Silencer Assy and rear suspension spring is more than 10mm. If not, replace Washer M10x26 which was mounted at step 11) with Spacer 10-24-5. Torque Cap Bolt M10x55 P1.25 again and confirm the clearance between Silencer Assy and rear suspension spring is more than 10mm. (See Fig. 15)

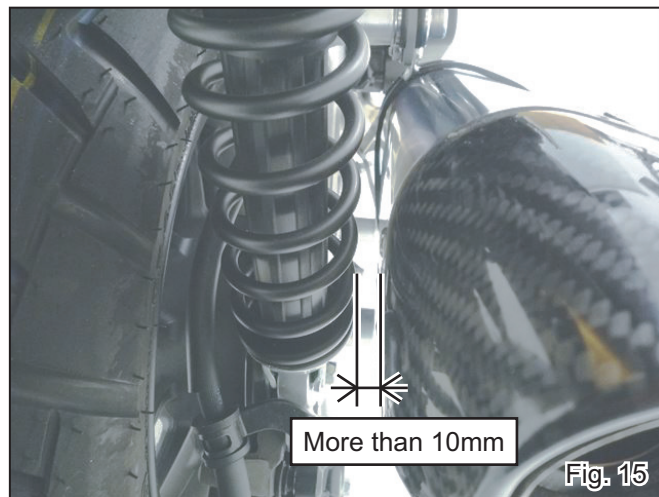
**CAUTION** Do not ride when the clearance is not enough. If neglected, it may cause damage to Silencer Assy or it may lead to accident.

- 14) 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.

- 15) 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.



**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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