



# STREET DOWN MUFFLER *Basic* Instruction Manual

(Product qualified by JMCA or Japan Motorcycle Accessories Association)

Item No. : 04 - 02 - 2303 (Standard)  
: 04 - 02 - 2305 (Polished)  
Applicable to : Monkey (FI)  
Frame No. : AB27-1900001 ~

Thank you for purchasing one of our TAKEGAWA's products.

We have designed and manufactured these products, utilizing our own know-how, accumulated over many years, in the product development for Monkey and Gorilla. We have designed this product to be easy-to-handle to meet any riding purposes. The exhaust pipe is made of highly-corrosion-resistant SUS304 and the silencer is anodized. This muffler with a built-in catalyzer conforms to the Japanese emission gas standards which came into effect in 2006 in Japan. So, you can ride on the public roads, free from any anxiety in using this product. Before starting the installation, please read this Instruction Manual well for your thorough understanding and proper installation. Enjoy the sound different from the one from the original muffler.

**Please note that, in some cases, the illustrations and photos may vary from the actual hardware.**

## Please read the following instructions before installation.

It is structurally possible to install a standard kickstarter. However, it is advisable to replace the kickstarter arm, for the gap is too small between the arm and muffler.

The following show the envisioned possibility of injuries and damages to human bodies, and physical loss or damage as a result of disregarding the following cautions.

We shall be held free from any kind of warranty whatsoever of products other than this product if the glitch takes place on the other products than this one after the installation and use of this product.

Please refrain from combined use of this kit with with any other part than the specified parts.



### CAUTION

The following show the envisioned possibility of injuries and damages to human bodies, and property loss as a result of disregarding the following cautions.

Always try to drive your motorcycle at a legal speed, abiding by the laws.

This muffler is rising backwards on the right side when viewed in the moving direction. Be careful not to place your legs close to the muffler carelessly when the engine is running. (Otherwise, you will get yourself burned.)

Work only when the engine and the muffler are cool. (Otherwise, you will burn yourself.)

Prepare right tools for the work, and do the work in the proper and right way.

(Otherwise, improper work could cause breakage of parts or injuries to yourself.)

Always use a torque wrench to screw bolts and nuts tight and securely to the specified torque.

(Improper torque could cause these parts to get damaged or fall off.)

As some products and frames have sharp-pointed or protruding portions, please work with your hands protected.

(Otherwise, you will suffer injuries.)

Do water washing of a muffler only when it is cool. (Otherwise, the muffler may be cracked.)

Park your motorcycle in a place where pedestrians will not touch the muffler accidentally. Besides, please always be considerate enough not to park it in the way of pedestrians or moving vehicles.

(If you park your motorcycle on the sidewalk with its muffler on the pedestrians' side, the pedestrians may touch the muffler and get burned or suffer property loss.)

Before riding, always check every section for slack in parts like screws. If you find slack ones, screw them securely up to the specified torque.

(Or improper torque may cause parts to come off.)

You will find it hard to kick down on the kickstarter arm. Press down on the kickstarter arm, being careful not to hit the muffler with your leg.

(Otherwise, you will damage the muffler or get yourself injured.)



### WARNING

The following show the envisioned possibility of human death or serious injuries to human bodies as a result of disregarding the following cautions.

Always drive the engine in a well-ventilated place, and do not switch the engine on in an airtight place.

(Otherwise, you will suffer from carbon monoxide poisoning.)

Never look into the muffler outlet when the engine is revolving. (Otherwise, you will suffer from carbon monoxide poisoning or lose your sight.)

When you notice something abnormal with your motorcycle while riding down a road, stop riding immediately and park your motorcycle in a safe place.

(Otherwise, the abnormality could lead to an accident.)

Before riding, be sure to always check the bank angle, and run with care not to bank the vehicle more steeply than the bank angle.

(Otherwise, there will be a danger of the motorcycle overturning.)

The engine and the muffler are at high temperatures when the engine is revolving or for some time after the engine stopped. Therefore, never place flammable or hazardous materials such as gasoline near them. (Otherwise, there will be a danger of causing fires.)

Keep plastic bags for packing products out of children's reach, or discard them. (If children get them on, there will be a danger of their suffocating.)

Before doing work, place the motorcycle on level ground to stabilize the position of your motorcycle for safety's sake.

(Otherwise, your motorcycle could overturn and injure you while you are working.)

Check or perform maintenance of parts correctly according to the procedures in the instruction manual or a service manual.

(Improper checking or maintenance could lead to an accident.)

If you find damaged parts when checking and performing maintenance, do not use these parts any longer, and replace them with new ones.

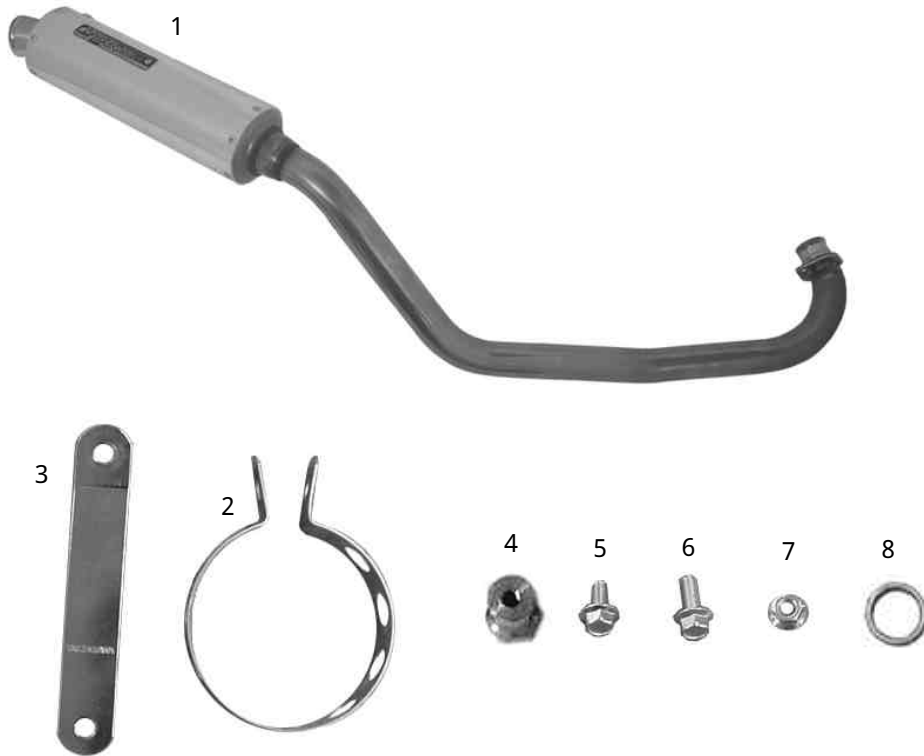
(The continued use of these damaged parts as they are could lead to an accident.)

Please be informed that, mainly because of improvement in performance, design changes, and cost increase, the product specifications and prices are subject to change without prior notice.

You are kindly requested not to contact us about the combination of our products with other manufacturers'.

This manual should be retained for future reference.

### ~ Kit Contents ~



No.	Parts Name	Qty	Repair Part Item No.	In packs of
1	Exhaust muffler comp.	1	_____	_____
2	Clamp band	1	91140-181-T01	1
3	Muffler stay	1	91122-FM2-T00	1
4	Pivot nut	1	90140-165-T00	1
5	Flange bolt, 8 x 16	1	00-00-0039	4
6	Flange bolt, 8 x 20	1	00-00-0211	4
7	Flange nut, 8mm	1	00-00-0141	5
8	Exhaust pipe gasket	1	00-01-0064	2

Please note that in ordering repair parts, be sure to quote the Repair Part Item No. Otherwise, we may not be able to accept your orders.

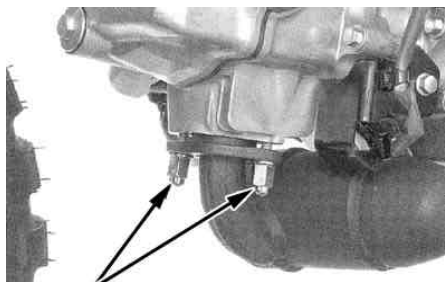
There are some parts, however, for which we are not in a position to accept your order in just the quantity to be used. In this case, please take them in the quantity packed.

## ~ Installation Procedures ~

Stabilize the vehicle with a maintenance stand or the like in a safe and level place during work.

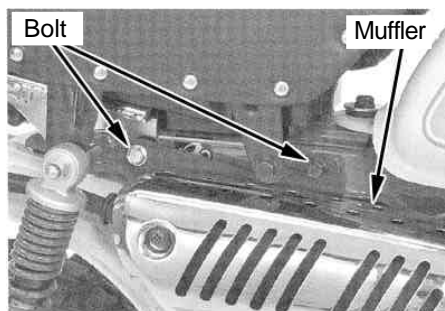
### Genuine Muffler Removal

- 1 . Unfasten two nuts on the exhaust pipe flange. Keep them for re-use.  
If the nuts are worn or damaged severely, replace them with new ones.

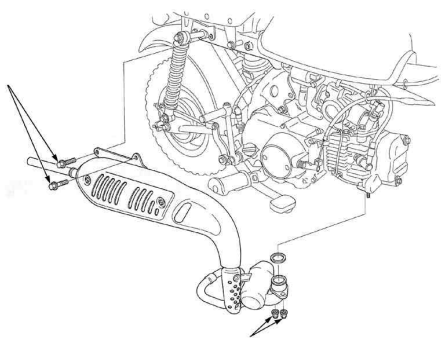


Joint nut

- 2 . Unfasten the hex' bolt which is fixing the muffler.

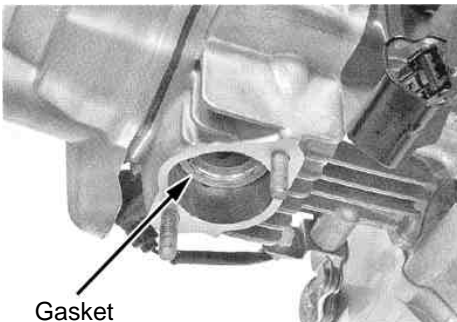


- 3 . Demount the muffler from the vehicle.



### Muffler Installation

- 1 . Remove the used exhaust gaskets in the exhaust port. And fit the exhaust pipe gaskets coming with the kit into the exhaust port and install them.

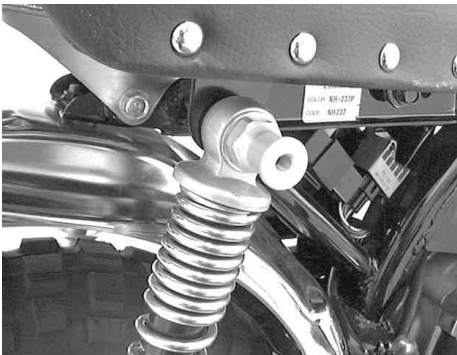


Gasket

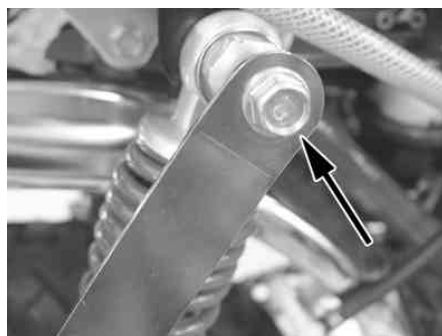
- 2 Remove a nut on the upper part of the right side rear shock absorber. And install the pivot nut coming with the kit and tighten it to the specified torque.

⚠ Caution: Never fail to observe the specified torque.

**Torque : 35 N · m (3.5 kgf · m)**



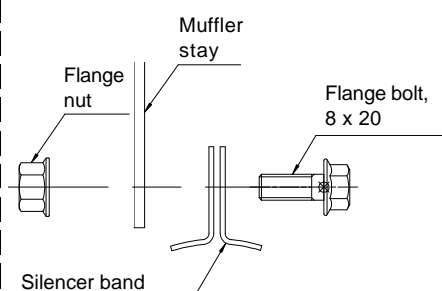
- 3 . Install loosely for now a muffler stay to the pivot nut with an M8x16 flange bolt.



- 4 Fit the muffler COMP. into the exhaust-side cylinder head, and tighten it loosely for now with a standard nut.

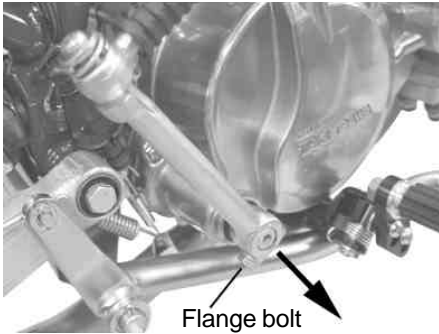


- 5 . Fit the clamp band into the silencer of the muffler COMP., which please install, loosely for now, with an M8x20 flange bolt and flange nut onto the muffler stay.



6 . Squeezing the clutch lever, press down on the kickstarter arm and check whether or not it interferes with the muffler.

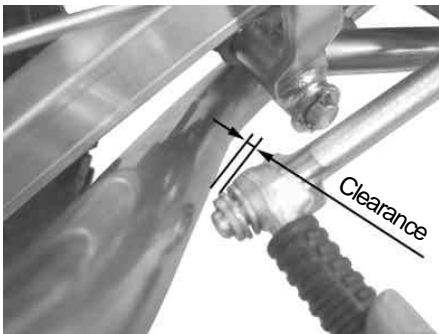
When it interferes with the muffler, loosen the bolt on the kickstarter arm and slide the arm outward and tighten the bolt to the specified torque. And place the muffler in the position so there is sufficient clearance between it and the kickstarter arm.



Flange bolt

⚠Caution: Never fail to observe the specified torque.

**Torque : 10 ~ 12 N · m  
(1.0 ~ 1.2 kgf · m)**



It is advisable to replace your kickstarter arm with ours.

Made of cast steel : 09-10-004

Made of cast aluminum : 09-10-006

7 . Equally tighten standard nuts on the cylinder head EX port to the specified torque.

⚠Caution: Never fail to observe the specified torque.

**Torque : 10 ~ 12 N · m  
(1.0 ~ 1.2 kgf · m)**



8 .Tighten the flange bolt for the pivot nut to the specified torque.

⚠Caution: Never fail to observe the specified torque.

**Torque : 27 N · m (2.7 kgf · m)**



9 .Tighten the flange bolt on the clamp band to the specified torque.

⚠Caution: Never fail to observe the specified torque.

**Torque : 27 N · m (2.7 kgf · m)**



10 . Thoroughly wipe off the dirt stuck on the muffler.

11 . Peel a protective film off a nameplate and JMCA plate on the silencer of the muffler COMP (JMCA: Japan Motorcycle Accessories Association).



12 . Start the engine and check hardware for air exhaust leak.

⚠WARNING: Be sure to start the engine in a well-ventilated place.

If your kickstarter arm is a standard one, you will find it hard to press down on it. Be sure to start the engine with great care.

13 . Tighten up hardware to the specified torque.

⚠Caution: Never fail to observe the specified torque.

⚠Caution: Do the work only when the engine and muffler are cool.

## - - The miscellaneous - - - -

In case you have replaced a swing arm:

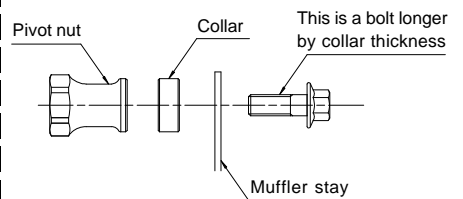
If you have replaced the swing arm on your motorcycle, the clearance between the arm and muffler may be small or these two parts may interfere with each other, depending on the shape of the swing arm,

If the above case applies, place a 5 to 8mm thick collar between the pivot nut and muffler stay in order to keep sufficient clearance between the swing arm and muffler, and install the muffler.

In this case, you cannot use the standard kickstarter arm as it will interfere with the muffler. So, be sure to replace the kickstarter arm.

Made of forge steel : 02-08-0043

Made of forge aluminum : 09-10-006



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