



## Instruction Manual for MIKUNI VM26 Carburetor Kit

Item No. : 0 3 0 5 3 2 4 2 (Paper-type filter)  
          : 0 3 0 5 3 2 4 3 (Sponge-type filter)

Applicable models and frame Nos:

CRF50F : AE03-1400001 ~

CRF70F : DE02-1700001 ~

XR50R : AE03-1000001 ~

XR7R : DE02-1000001 ~ but up to '01 models

- Thank you for purchasing one of our TAKEGAWA's products. Please strictly follow the following instructions in installing and using the products.
- Before fitting the products, please be sure to check the contents of the kit. Should you have any questions about the products, please kindly contact your dealer.

### Please do read the following before installation.

We do not take any responsibility for any accident or damage whatsoever arising from the use of the products not in conformity with the instructions in the manual.

We shall be held free from any responsibility or compensation whatsoever for any glitch in the parts other than ours if the glitch takes place after the installation and use of the products.

The installation of the products entails the machining of a stopper on the throttle pipe. And please note that with the machining, an accelerator limiter will get unavailable.

Do the installation work correctly referring to Honda's genuine service manual for the above-mentioned applicable model.

This kit is designed for exclusive use in the above-mentioned applicable models and frame numbers only. Please take note that this kit cannot be mounted on other models.

If you make modifications to the products, we shall be held free from any guarantee of the products.

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

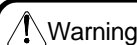
Setting of a carburetor needs to be adjusted depending on the natural phenomena like the weather, temperatures, and motorcycles and carburetors themselves. Arrange the setting to match the engine and other conditions. For your information, the carburetor is shipped out in a state described on page 2.



#### Caution

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

- Work only when the engine and the muffler are cool. (Otherwise, you will burn yourself.)
- Prepare right tools for the work, (Otherwise, the installation with improper tools 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, resulting in accidents.)
- As some products and frames have sharp edges or protruding portions, please work with your hands protected.
- (Otherwise, you will suffer injuries.)
- 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.)
- Always use new gaskets and packings. And check those parts to be reused for wear and damage. If you find wear or damage, replace them with new ones.



#### 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 start the engine in a well-ventilated place, and do not turn the engine on in an airtight place.
- (Otherwise, you will suffer from carbon monoxide poisoning.)
- 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 accidents.)
- Before doing work, secure the motorcycle on level ground for safety's sake.
- (Otherwise, your motorcycle could overturn and injure you while you are working.)
- Check or carry out maintenance of parts correctly according to the procedures in the instruction manual or a service manual.
- (Improper checking or maintenance could lead to accidents.)
- 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 could lead to accidents.)
- As gasoline is highly flammable, never place it close to fire. Make sure that nothing flammable is near the gasoline. Since vaporized accumulation of gasoline is at high risk of explosion, work in a well-ventilated place. (It may cause a fire.)

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.

This manual should be retained for future reference.

~ Kit Contents ~



Factory preset mode of the carburetor

Main jet	#190
Pilot jet	#22.5
Jet needle	5E75
Clip position	3rd from the top
Throttle valve	#1.5
Air screw opening	1 turn $\pm$ 1/4

No.	Name	Qty
1	Carburetor assembly	1
2	Inlet pipe	1
3	Insulator	1
4	Band	1
5	Inlet pipe gasket	1
6	Socket cap screw 6x50	1
7	Socket cap screw 6x20	1
8	Socket cap screws 6x15	2
9	Throttle cable 710mm	1
10	Fuel tank front spacer 30mm	1
11	Fuel tank rear spacer 20mm	1
12	Flange bolt 8x55	1
13	Flange bolt 8x40	1
14	Collar	1
15	Washer	1
16	Air filter	1
17	Fuel hose 200mm	1
18	Throttle valve spring	1
Tool	Hex wrench 5mm	1

~ Installation Procedures ~

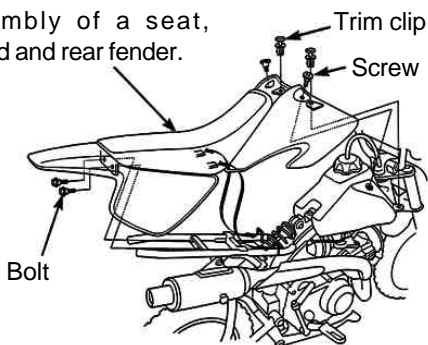
Make sure that the bike is secure on level ground.

Shut off a fuel cock, and open a drain cock on the carburetor to drain gasoline from the float chamber.

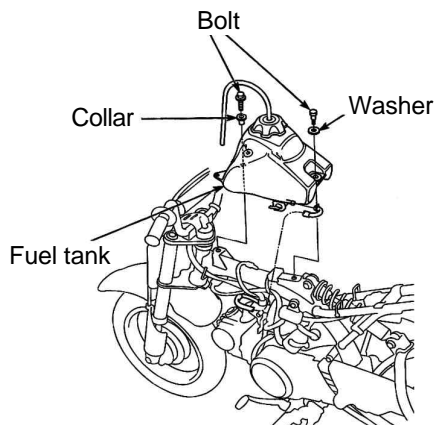
1 . Detachment of Exterior Parts

First detach two each of trim clips, screws and bolts, and then detach an assembly of a seat, shroud and rear fender.

Assembly of a seat, shroud and rear fender.

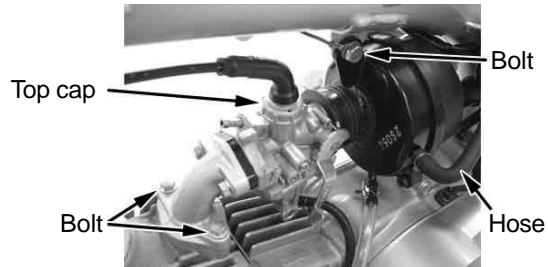


Detach a fuel hose from the carburetor, and detach two bolts to demount a fuel tank.

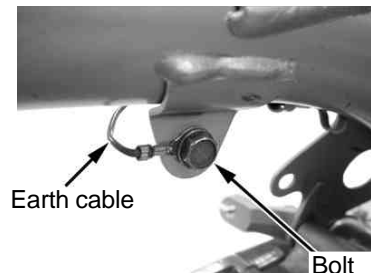


2 .Detachment of Carburetor

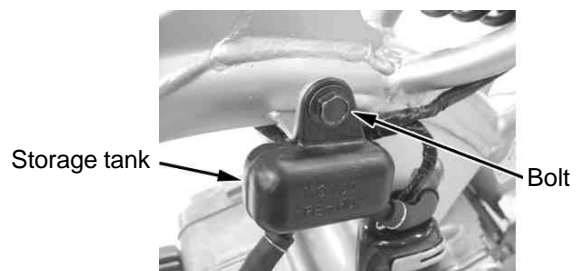
First detach from the carburetor a top cap, hose of a storage tank, bolt on the air cleaner stay and two bolts on the manifold, and then detach a manifold, carburetor and air cleaner.



Attach an earth cable to the frame with a bolt on the air cleaner stay.



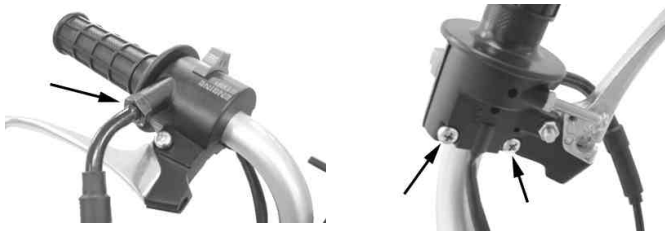
Detach a bolt from the storage tank, and pull out the breather hose from the crankcases to detach it.



### 3 .Detachment of Throttle Cable

Loosen a hex nut on the throttle cable.

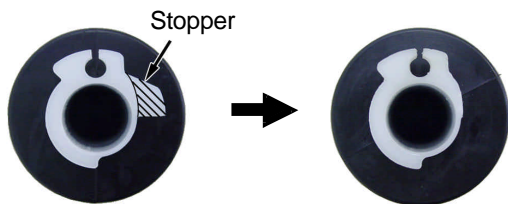
Unfasten two screws, and detach a throttle housing and throttle pipe from the handle.



Detach a stock throttle cable from the lower throttle housing.

### 4 .Attachment of Throttle Cable

Machine the stopper on the throttle pipe to remove it.



Attach a throttle cable of the kit to the lower throttle housing.

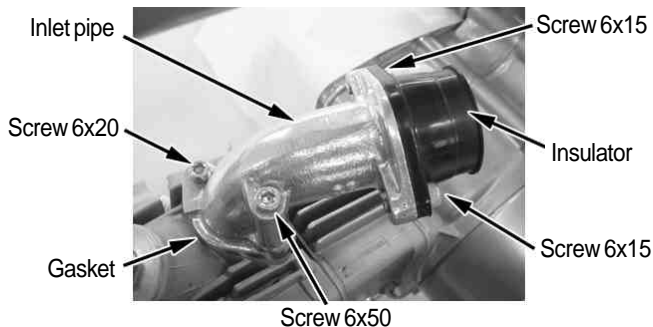
Connect an inner cable to the machined throttle pipe, and fix the throttle housing to the handle with two screws.

Tighten hex nuts on the throttle cable.

### 5 .Attachment of Carburetor

Place a gasket between cylinder head and inlet pipe, and tighten the gasket with socket cap screws. And fasten an insulator to the inlet pipe with socket cap screws.

**Specified torque: 10 N · m (1.0 kgf · m)**



Put the carburetor into the insulator, and hold it by tightening a band.

Attach an air filter, and hold it by tightening a band.

Take a top cap off the carburetor to pull out a spring, needle clip retainer and throttle valve.

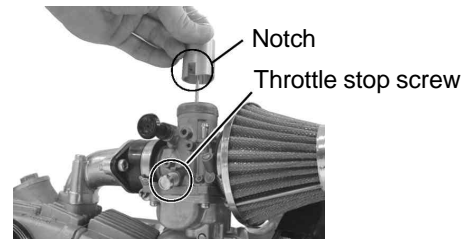
Attach first the top cap, spring and throttle valve to the throttle cable, and then the needle clip retainer.

Be sure to change the spring to the supplied throttle spring.



Aligning the notch in the throttle valve with a throttle stop screw, fit the throttle valve into the carburetor.

Snap the throttle a few times to check how much the throttle valve opens and closes.



Adjust the free play at the throttle grip to be about 5 mm with an adjuster on the throttle cable.

You are requested to dispose of the blow-by gas from the crankcase by yourself.

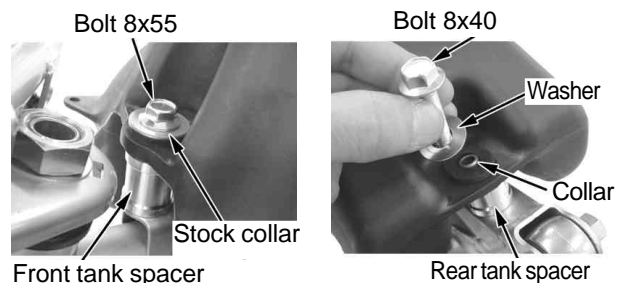
(For example: Attach the storage tank so the air filter does not interfere with the tank, and let in the blow-by gas into the air filter with a breather hose of the kit.)



### 6 . Attachment of Exterior Parts

Put a front tank spacer between the front fuel tank and frame, and attach a bolt. And put a rear tank spacer between the rear fuel tank and frame, and attach the collar and kit's washer, and attach the bolt.

**Specified torque: 26 N · m (2.7 kgf · m)**



Put a prong on the back of the seat into a hook on the frame, and attach a seat / shroud / rear fender assembly with two each of trim clips, screws and bolts.

Pulling the shroud, align the mounting hole with a threaded screw hole in the fuel tank, and fit two screws into the holes.

In case it's hard to fit the screws, elongate the holes with a rasp and the like.



**SPECIAL PARTS TAKEGAWA**

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## Warning

Please be informed as follows with regard to the supplied MIKUNI VM26 Carburetor: A standard on-road throttle valve spring is incorporated into this VM26 carburetor at the factory.

In connecting the throttle wires, please be sure to replace the spring with the supplied off-road heavy-duty throttle valve spring.

This hard throttle valve spring serves to ease the malfunction triggered by the throttle closure caused by the mud and sand adhering to the throttle, throttle wires, throttle valve and other hardware.

However, please note that this does not go so far as to completely prevent the poor return of the throttle caused by dirt. Therefore, before riding, inspect various parts, and stop riding whenever you feel something abnormal when driving.

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