Hyper S-Stage V KIT Instruction Manual

 Item No.
 Applicable to CRF50F
 Frame No.

 0 1 0 5 3 1 0 6 (Paper-type filter)
 CRF50F
 : AE03-1400001 ~

 0 1 0 5 3 1 0 8 (Sponge-type filter)
 XR50R
 : AE03-1000001 ~

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

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

Cautions about fuel to use A

This product is so designed to achieve a higher compression ratio than stock engines. As for the fuel, high-octane gasoline should always be used. In case regular gasoline is used, abnormal combusiton takes place, and the engine cannot achieve its original performance. Moreover, it is highly likely that the piston will break down, leading to serious breakdown. Before installing, make sure that no regular gasoline remains in the fuel tank. In case regular gasoline is remaining in the fuel tank, do replace it with high-octane gasoline.

Cautions about spark plug

Please be sure to replace the spark plug with CR8HSA (NGK) or U24 FSR-U (DENSO). In the case of a non-resistive plug, please replace with C8HSA (NGK) or U24 FS-U (DENSO). Subsequently, choose and use a right spark plug with the right level, depending on the degree of burning of the spark plug electrode section.

🛕 Cautions about sprocket 🛕

The installation of this product will increase the power of your vehicle. So use of a stock sprocket will result in hard wears of parts, not only adversely affecting the engine life, but also breaking the engine in the worst case. Please replace the sprocket with the high-geared one.

Read the instructions carefully 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

Installation of this product requires processing of the stopper part of the throttle pipe. Moreover, please note that the processing disables the use of an acceleration limiter.

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.

If you make alterations to the product outside our factory, we shall be held free from any guarantee of the product.

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

This product is designed for exclusive use in the above-mentioned types of motorcycles and frame numbers only. Please take note that this product cannot be mounted on other types of motorcycles.

Please install this product correctly, referring to the HONDA genuine service manual for the above-mentioned model numbers of the motorcycles. Before installation, prepare tools and the like listed in page 2, and install the parts with utmost care, referring to the "Installation Procedures." In addition, this instruction munual as well as HONDA's service manual is prepared with those in mind who have basic technical skills and knowledge. So, it is advisable that those who do not have such tools, or skills or knowledge contact a technically reliable specialist shop for installation.

The supplied cylinder and cylinder head gasket differ from genuine ones in thickness. Please take note, these parts cannot be used in combination with other manufacturers' parts as well as genuine parts. And please use our parts for repairs.

A stock carburetor will interfere with the supplied cylinder. So, please process the interefering part in case you install a stock carburetor.

Bolts, nuts, and dowel pins will be reused. However, be sure to replace worn-down or sevrely-damaged ones with new ones.

You cannot run the motorcycle in the rain with kit's filter installed. Otherwise, it could cause the engine trouble.

A CAUTION The following show the envisioned possibility of injuries and damages to human bodies as a result of conduct 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, 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. (Otherwise, improper torque may result in the breakage or coming off of bolts and nuts.)
- · As some products and frames have sharp-pointed 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.)

Be sure to retighten the cylinder head to the specified torque.

Please replace gaskets and packings with new ones withoutfail. Check carefully those parts to be reused, and in case wear or damage is detected, always replace them with new ones.

🕂 WARNING | The following show the envisioned possibility of human death or serious injuries as a result of conduct 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.)
- When you notice something abnormal with your motorcycle while riding down a road, stop riding immediately and park your motorcyle in a safe place. (Otherwise, the abnormality could lead to an accident.)
- *Before doing work, place the motorcycle on level ground to stablize the position of your motorcycle for safety's sake. (Otherwise, your motorcycle could fall down 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 maintence 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.)
- Since gasoline is very ignitable, keep everything that may fire away. Also, since vaporized accumulation of gasoline has a explosion hazard, keep well-ventilated place to work on.

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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.

Lesson

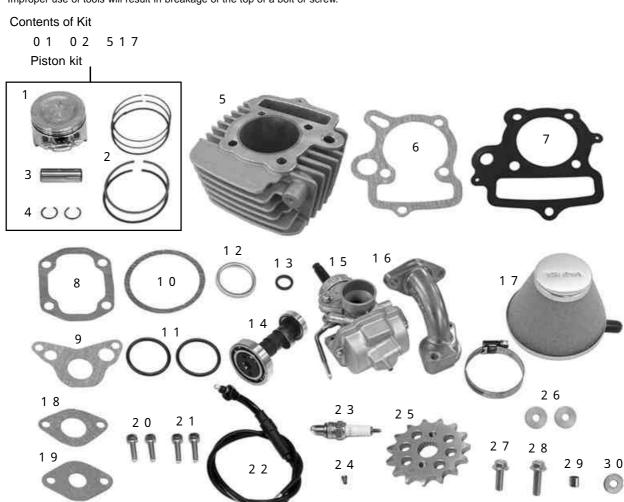
Usually, bolts and nuts are loosened by counterclockwise turn, and tightened by clockwise turn.

When tightening a screw, at first tighten it by hand as tight as you can. If you cannot get it moving more than one or two turns, check if the screw is placed at an angle.

To loosen a screw means turning a tightened screw around three or four times counterclockwise, and to unscrew it means turning it around counterclockwise until it comes off.

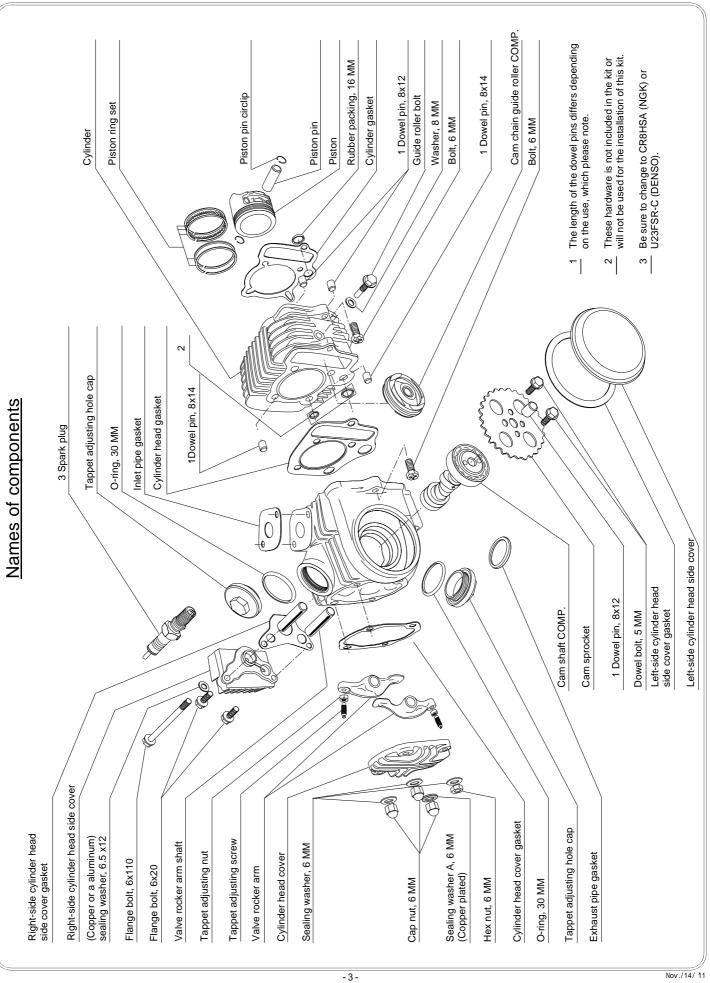
To tighten a screw means to keep a screw from getting loose. The numeric value as a guide at which a screw will not break or get loose when tightened is the so-called "tightening torque." If you do not have a torque wrench, please try to tighten a screw as tight as possible to the level where the screw will not break or get loose, though we can not take any responsibility for the breakage. In case we do not use a torque wrench, we need to judge, only by intuition or using experience, the degree of tightening power at which the bolt will break or get loose.

Improper use of tools will result in breakage of the top of a bolt or screw.



No.	Parts' Name	Qty	Repair Part Item No.	in packs of	No.	Parts' Name	Qty	Repair Part Item No.	in packs of
1	Piston	1	13101-NSH-T00	1	17	Air filter (with a band)	1	03-01-110 (Paper-type filter)	1
2	Piston ring set	1	01-15-014	1			'	03-01-1105 (Sponge-type filter)	1
3	Piston pin, 13 x 36	1	13111-GEF-T01	1	18	Carburetor gasket	1	16201-GEY-T01	1
4	Piston pin circlip	2	00-01-0003	6	19	Inlet pipe gasket	1	91301-181-T01	1
5	Cylinder	1	01-01-0222	1	20	6x20 socket cap screw	2	00-00-0043	10
6	Cylinder gasket	1	00-01-0067	2	21	6x25 socket cap screw	2	00-00-0089	10
7	Cylinder head gasket	1	12251-GFL-T10	1	22	710 mm throttle cable	1	09-02-0071	1
8	Cylinder head cover gasket	1	00-01-0156	2	23	Spark plug CR8HSA	1		
9	R side cover gasket	1	00-01-0157	2	24	Main jet #85	1	00-03-0041	1
10	L side cover gasket	1	00-01-0158	2	25	Drive sprocket, 15T	1	02-05-022	1
11	Tappet cap O-ring	2	00-01-0034	4	26	Tank spacer	2	16954-GEL-T00	1
12	Exhaust pipe gasket	1	00-01-0064	2	27	Flange bolt, 8x25	1	00-00-0318	5
13	Rubber packing (black)	1	00-01-0066	2	28	Flange bolt, 8x30	1	00-00-0181	4
14	Camshaft	1	01-08-0009	1	29	Spacer, 8.2x10x9.5	1	00-00-0199	4
15	PC18 carburetor assembly	1	03-03-031	1	30	Washer	1	00-00-0201	6
16	Intake manihold	1	17111-GBO-T00	1					

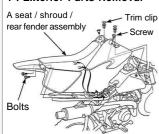
Please order repair parts with the Repair Part Item No. Without the repair part item No., we may not be able to provide the correct parts. Some parts are only available as a set. Please order them with the set number.



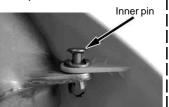
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Stock Parts Removal

1 . Exterior Parts Removal



Remove each two of trim clips, screws, and bolts first, and then remove a seat/shroud/rear fender



A trim grip can be removed by lifting an inner pin with a slotted screwdriver or other tools.

Tools to use:

10 mm offset box wrench

Slotted screwdriver (Midsize)

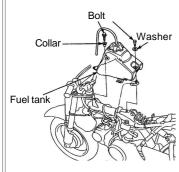


Turn off the fuel cock





Shift the tube clip to disconnect the fuel tube.



Detach a fuel hose from the carburetor, and then two bolts on the fuel tank to remove the tank.

2 . Carburetor Removal



Remove carburetor's top cap, and then take the throttl valve out from the carburetor.





Remove the bolts on the air cleaner stay. Tools to use: 10 mm socket

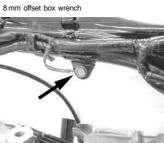
Extension bar (Small)





Remove two bolts which are fixing the inlet pipe to the cylinder head. Then, remove the inlet pipe, the carburetor, and the air cleaner.

Tool to use:



Install the earth wire on the frame with the bolts of air cleanerstay. Tools to use:

10 mm socket

Extension bar (Small)

Torque:12 N • m(1.2 kgf • m)

3 . Muffler Removal



emove two nuts in the exhaust pipe. Tool to use:

10 mm open-end wrench



Remove muffler stay's bolts and then, the muffler. Tool to use: 12 mm offset box wrench

. Front Fender Removal



Remove three bolts on the reverse side first, and remove the front fender.

Tools to use: 10 mm socket

Extension bar (Small)

. Spark Plug Removal



Pull out the plug cap from the plug to remove it. Be sure to hold the cap in pulling it out.

Remove the plug with the in-vehicle spark plug wrench.

6 . Cylinder Head Left Cover



By removing the hex bolt in the center of the right-side cover of the cylinder head, you can remove the left cover. (If you cannot remove the left cover in this way, screw in the hex bolt by two to three screw threads, strike top of the bolts lightly, and then you can remove the cover.) Tool to use:

10 mm socket



. Crankcase Left Cover Removal



Remove shift pedal's hex bolt and then, the shift pedal Tool to use:

10 mm offset box wrench



Remove three bolts which are fixing the crankcase left cover.

Tool to use: 8 mm deep socket

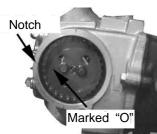
8 . Two Tappet Caps Removal

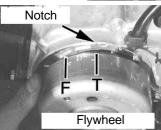


Remove two tappet caps

17 mm offset box wrench

9 . Cam Sprocket Removal





Rotate the flywheel counterclockwise to align flywheel's "T" mark with the cam sprocket's "O" mark



Fix the flywheel and remove two cam sprocket's he bolts

Tools to use

8 mm socket

14 mm offset box wrench (For flywheel fixing)



Remove the cam sprocket from the camshaft with a slotted screw driver or the like by prising open the cam sprocket.

Remove the cam chain from the cam sprocket, and take the cam sprocket out.

Remove the dowel pin which is stuck in the center of the camshaft.

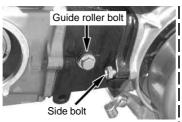
10 . Cylinder Head Side Bolt Removal.



ove the cylinder head side bolt(s) which are used to fix the cylinder head and cylinder.

Tool to use:

10 mm open-end wrench



Loosen the cylinder's guide roller bolt and the side bolt between the cylinder and the crankcase.

Tools to use:

10 mm open-end wrench 10 mm offset box wrench

11 . Cylinder Head Cover Removal



Remove the four nuts, diagonally across the cover. which are used to fix the cylinder head cover. Remove four washers under the nuts

Tool to use: 10 mm socket



Remove a head cover. (If you cannot dismout the cov easily, remove the cover by striking it with a plastic hammer lightly.) Completely get rid of the gasket remaining on the cylinder head with a scraper or a cutter

12 . Cylinder Head Removal



Pull the cylinder head away from the cylinder to remove it. (If it is not easy, strike it with a plastic hammer lightly.)



Remove the cylinder head Keep the two dowel pins for reuse.

13 . Cylinder Removal



Remove the already-loosened guide roller bolt and the cylinder side bolt.



Pull and remove the cylinder. (When it is difficult, with a plastic hammer, strike a cylinder lightly and remove



In the process of cylinder removal, a cam chain guide roller will come out, which do remove

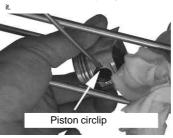


After the piston has been taken out, remove the cylinder

4 . Piston Removal



Stuff a waste cloth into the crankcase's cylinder hall and the cam chain not to let any foreign material fall into



Remove one of the two piston circlips.

You can remove it easily by placing the end of a screw driver at the notch on the piston pin hole and prising the circlip open.

Tool to use

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A tapered slotted screwdriver

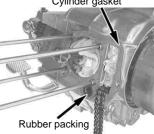
Remove the piston pin, turning it in the direction in which the piston pin circlip has already been removed. You can remove it easily by pushing it with a slotted screwdriver from the side which still has a circlip.



Remove the piston

15 . Clearing Mating Surfaces





Remove a cylinder gasket and a rubber packing. When gaskets do not come off completely, wipe them off with a scraper or a cutter.

If the crankcase center gaskets stick out into the cylinder base surface and / or cylinder hole, cut them

Be careful not to let any foreign material into the



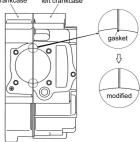
If gaskets stick out into the portion pointed by a thumb. cut them off. (See the picture above.)

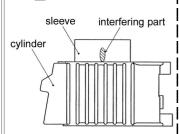
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Cautions to observe when installing an aluminum cylinder

Due to the misalignment of the R and L crankcases and for other reasons, 1 1 . Piston Installation there may be interferance in sleeve hole of the crankcase's mating surface, "O" mark, shaded areas of the cylinder sleeve, and inside the case when installing the cylinder. Since interferance will lead to sleeve deformation and engine troubles, do not fail to check and rectify the interference.







Modification Procedures

- 1 . Stuff up cloth inside the crankcase not to let any shaving fall into it.
- 2. Rasp the convex surface on the mating surfaces of the crankcase till the surface becomes level.
- 3. Then, remove the waste cloth with care not to let swarf go inside the case.
- 4. Then stuff up the case hole with a clean cloth.
- 5 . Right after running the engine idle for several minutes after the kit assembly is over, exchange the engine oil for new one. Then, all set.

S - Stage Kit Installation



Fit a piston pin circlip, attached to the left side of the piston, in the circlip groove firmly

At this point, fix the circlip so the circlip's end gap does not meet with the notch on the pin hole

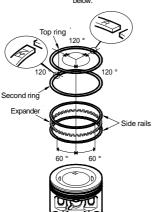


It is relatively easy to install the circlip if you push it with a driver. But be careful not to damage the piston itself

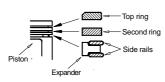
A tapered slotted screwdriver

Apply engine oil to the ring grooves and install the piston rings in the following order: oil ring expander, lower oil ring side rail, upper oil ring side rail, second ring, and top ring.

Arrange the piston rings so the ring-end gaps are to be in the correct positions as shown in the figure below



"R" is engraved on the top ring upper surface, and "RN" on the second ring counterpart.



Take note of cross section



Attach the oil ring expander



Attach the lower oil ring side rail



Attach the upper oil ring side rail.



Attach the second ring (black) with the engraved side



Attach the top ring (brown) with the engraved side up.





Apply engine oil to the piston pin and con'rod, and install the piston pin.

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Install the piston so the arrow on the piston head vard (exhaust side).



It is also an easy way to install it by inserting 1/3 of the piston pin into the piston.

Fit the kit's piston pin circlip to the groove precisely

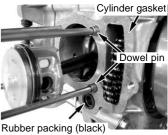


It is relatively easy to install the circlip, if you push it with a driver. But be careful not to damage the pistor

Push it with care because there may be a case where the circlip is sent flying while you are pushing it. Remove the cloth.

2. Cylinder Installation

Degrease the cylinder and the crankcase sides of the cylinder base gasket surface with thinner or something else



Make sure that two dowel pins B (12mm) are attached, and install a cylinder gasket and a rubber



Apply engine oil to the inside of kit's cylinder, and spread the oil evenly with fingers



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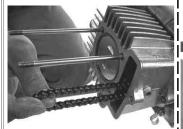


To install the cylinder, press it little by little with fingers carefully so the piston ring -end gap will not get out of position.

This work is rather difficult. So do your best here!



After the rings are inside the cylinder, fit the cylinder in the crankcase, passing the cam chain through the cylinder



Pulling the cam chain, install the guide rolle



Push it so the center of the guide roller meets with the cylinder's guide roller bolt hole.



Install a guide roller bolt. (Temporarily tighten it just to the full extent possible with your fingers.)



Install a cylinder side bolt. (Temporarily tighten it just to the full extent possible with your fingers.)

. Camshaft Replacement



ve the tappet nut and bolt on a rocker arm which 4. Cylinder Head Installation are installed to the cylinder head. Only after you have loosened the tappet nuts, remove the tappet bolts

Tool to use:





After installing the cam sprocket bolt to the camshaft pull the camshaft or strike the head of the camshaft with a plastic hammer lightly. So, take out the camshaft, rotating it but without pulling it out by force.



Apply clean engine oil to the cam and bearings of kit's



Install kit's camshaft in reverse order of that mentioned above. Never strike it with a hammer even if you cannot easily insert it. Just insert it by your hand.



Install stock cam's dowel pin to kit's cam



Install the tappet screw of the rocker arm

Degrease the head and the upper surfaces of the cylinder with thinner or the like



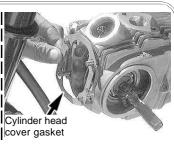
Attach a head gasket A black rubber packing or green rubber gasket will not be used.



Pass the cylinder head through the stud bolt. Install it, passing the cam chain through the cylinder

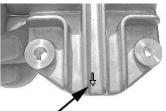


Fix the cam chain by inserting a screwdriver into the hole in the center of the camshaft lest the cam chain should fall down toward the cylinder.





Install the cylinder head cover gasket and head cover



Pay attention to the arrow

The arrow have to face down (EX side)



Attach head cover's washers paying attention to their positions. (A copper washer has to be at the lower left when the engine is seen from the front.)



Install the head nuts paying attention to their positions (The hex nut has to be at the lower right when the engine is seen from the front.)



Tighten up the head nuts evenly. (If you do not have a torque wrench, tighten them little by little diagonally across the surface.) Tool to use:

 Δ Caution: Apply the specified torque. Torque: 12 N · m (1.2 kgf · m)

10 mm socket



Install the head side bolt. Fully tighten the guide roller bolt and cylinder side bolt which were temporarily tightened.

Tools to use

10 mm open end wrench







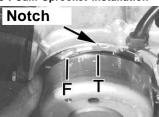
A Caution: Apply the specified torque.

For guide roller bolt 10 N⋅m(1.0 kgf⋅m)

For upper and lower side bolts

10 N⋅m(1.0 kgf⋅m)

5 . Cam Sprocket Installation



Align "T" mark on the fly wheel with the notch on the crankcase.



Set the camshaft so that cam's top faces the piston side when you turn the cam sprocket bolt hole to the cylinder head's notch. The cam shaft is right at the top dead center on the compression stroke.

If you install the optional cam, follow the instruction manual for the cam.



Wipe off after tightening since a little oil comes out.

Remove the hex bolt next to the change pedal's shaft. Thus, the cam chain's tensioner, which is pulling at the cam chain, gets loosened; then you can easily install the sprocket.



This is a difficult work, so do your best here! Fit the cam chain so the "O" mark on the cam sprocket and the notch on the cylinder head meet each other, and then install it on the cam shaft.



After fitting the cam sprocket, install and tighten bolts.



Fix the flywheel and tighten the two cam sprocket bolts

Tools to use:

8 mm socket

14 mm offset wrench

Λ Caution: Apply the specified torque.
 Torque: 9 N ⋅ m (0.9 kgf ⋅ m)



Reinstall the hex bolt next to the change pedal shaft Tool to use:

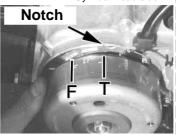
10 mm offset box wrench

6 . Tappet Clearance Adjustment

Very difficult work. Do your best

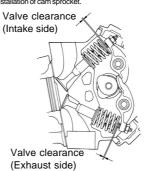


Cylinder head side



Flywheel side

Align the "O" mark on the camshaft and "T" mark on the flywheel with each notch. Though the flywheel cannot stop at the precise position due to magnetic repulsion, it will be all set if "T" and "O" marks meet together after installation of cam sprocket.



Adjustment screw





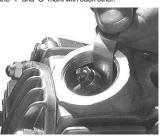
Tighten a rocker arm's tappet screw , and put in a 0.05 mm thickness gauge in between the tappet screw and the valve stem end. And tighten a tappet nut securely to the extentthat you can pull out the 0.05 mm thickness gauge only with a little resistence. (If you have no idea about the right resistance in pulling out the gauge, preparea 0.07 mm and a 0.03 mm gauge. If the 0.07 mm thickness gauge does not fit in between the tappets crew and the valve stem end, and, at the same time, if you can put in the 0.03 mm gauge with almost no resistance, this means that the clearance is about 0.05 mm. Adjust the clearance at 0.05 mm both at EX and IN sides. Tools to use:

Needle nose plier 9 mm offset box wrench Thickness gauge

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After tappet adjustment, turn the flywheel counterclockwise two times by hand, and then align the "T" and "O" mark with each other.



Check for the alteration to the tappet clearance. If altered, adjust again. If there is no change, it's all right.





Install two tappet caps.
Tool to use:
17 mm offset box wrench

7 . Cylinder Head Left Cover Installation



Install the cylinder head L cover gasket and the L cover. (Set the protrusion at the stopper so left-side cover does not move right as the bolt is screwed.)
See the picture below.



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Tighten the hex bolt (indicated by an arrow) on the right side of the cylinder head.

Tool to use:

10 mm socket

 \triangle Caution: Apply the specified torque. **Torque:** 12 N · m (1.2 kgf · m)

8 . Spark Plug Installation



Install kit's plug with in-vehicle tool or a spark plug wrench.

Tool to use: Spark plug wrench

Install a plug cap to the plug.

9 . Stock Muffler Installation



Install the muffler first, and then the bolt for the muffler stay. (Temporary tightening)
Tool to use:

12 mm offset box wrench



Tighten two nuts on the EX pipe side. (Temporary tightening)

Tool to use:

10 mm open-end wrench

Tighten fully those bolts and nuts which were temporarily tightened.

⚠ Caution: Apply the specified torque.

Bolt 26 N · m(2.7 kgf · m)

Nut 10 N · m(1.0 kgf · m)

10 . Front Fender Installation



Install the front fender with three bolts

Tool to use:

10 mm socket

Extension bar (small)

11 . Throttle Cable Installation

Disconnect the wiring of the stock throttle cable.



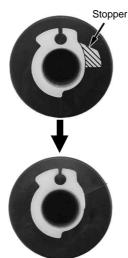
Loosen the hex nut. Tool to use:



Remove two screws, and take the upper throttle housing out.



Remove throttle cable's inner cable from the throttle pipe.



Take a throttle pipe out from the handle, and process and remove the stopper of the throttle pipe as shown in the pictures above.



Remove the stock throttle cable from the lower throttle housing.



Install kit's throttle cable to the lower throttle housing.



Connect it with the processed throttle pipe.



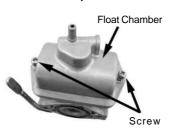
Install the upper throttle housing with two screws. Tighten the front-side screw first, and then the back-side screw.



In the case of a stock handle, align the divided part of the throttle housing with the "O" mark as shown in the picture above.

Wire the throttle cable

12 . Main Jet Replacement



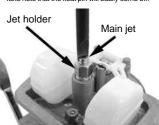
Remove two screws first, and then, a float chamber.
Tool to use:

Cross chip driver (middle size)

-9-



Take note that the float pin will easily come off.



Take out the main jet from the jet holder. Tool to use:

Slotted screw driver (middle size)



Install kit's main jet.
Tool to use:
Slotted screwdriver (middle size)



Install the float chamber and install it to the carburetor with two screws.

13 . Carburetor Installation



Place the inlet pipe gasket between the intake manihold and the cylinder head, and install it with two 6x25 socket cap screws.

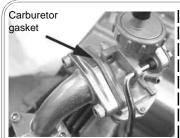
Tool to use:

5 mm hex wrench

⚠ Caution: Apply the specified torque.

Torque: 12 N · m (1.2 kgf · m)

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Place the carburetor gasket between the PC18 carburetor and the intake manifold, which please fix with two 6 x 20 socket cap screws Tool to use:

5 mm hex wrench

⚠ Caution: Apply the specified torque Torque: 12 N · m (1.2 kgf · m)

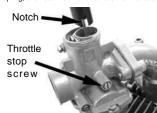




Remove PC18 carburetor's top cap, and take out the spring and the throttle valve.



Install the top cap to the throttle cable, attach the spring, and install the throttle valve to the inner cabl



Placing the throttle valve notch in the direction of the throttle stop screw, put it in the carburetor to fix it. carburetor. Tighten the band.



convex section of the top cap together.

14 . Throttle Free Play Adjustment

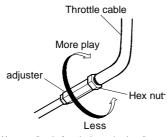


Pull down the boot at the tip of the throttle cable to

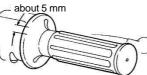


Hold the hex nut and loosen the adjuster Tools to use:

8 mm open-end wrench 10 mm open-end wrench



You can adjust the free play by rotating the adjuster



Adjust the free play to be approx. 5 mm at the throttle grip.

Fix an adjuster and screw a hex nut tight. Tools to use:

8 mm open-end wrench 10 mm open-end wrench

Turn the throttle to check that the throttle valve moves

Check that the throttle has certain free play even when you turn the handle all the way to left and right. Put back the boot in its original place

Air Filter Installation



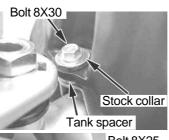
Install a band to the air filter and insert it into the

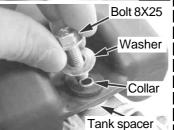




Connect a fuel tube to the carburetor

16 . Exterior Parts Reinstallation



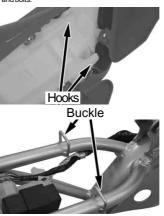


Place a tank spacer between the fuel tank and frame at the front part of the fuel tank and fix it with a bolt. And at the rear part of the fuel tank, place a tank spacer between the space the frame and fuel tank, and put a collar and a provided washer to fix a bolt.

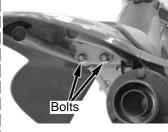
⚠ Caution: Apply the specified torque.

Torque: 26 N · m(2.7 kgf · m

Insert the claw at the backside of the seat into the hoo on the frame, and install an assembly of a seat, shroud and rear fender with each two pieces of trim clips, screws and bolts.



Insert the claw at the backside of the seat into the hook on the frame, and install an assembly of a seat, shroud and rear fender.



Screw (L.R.)

Trim clip (L.R.)

Attach two pieces of bolts, screws, and trim clips each.

Tools to use:

10 mm offset box wrench

Cross chip screwdriver (middle size)

for bolts 10 N · m (1.0 kgf · m) 4 N·m (0.4 kgf·m)



Pulling the shroud, align the mounting holes with the screw holes on the fuel tank to put in two screws. In case you cannot easily put in the screws, file down the holes to elongate them.

SPECIAL PARTS TAXECAWA Co.,Ltd.

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