



Aluminium Clutch Cover Kit Instruction Manual

Item No. : 0 2 - 0 1 - 5 0 4 2

Applied to	Frame No.
Ape50	AC16-1000001 ~
Ape50 (FI)	AC16-1600001 ~
Ape50 (FI Type D)	AC18-1000001 ~
Ape100	HC07-1000001 ~
Ape100 Type D	HC13-1000001 ~
XR50 Motard	AD14-1000001 ~
XR100 Motard	HD13-1000001 ~

Thank you for purchasing one of our products. Please strictly follow the instructions to install and use the products. Before fitting the products, please be sure to check the contents of the kit. If you have any questions about the products, please kindly contact your local TAKEGAWA dealer.

Please note: Illustrations and photos may vary from the actual hardware.

Please read following instructions 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 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.

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

We do not have any information or service data on the combination of our products and other manufacturers' products.

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.



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

- Work on motorcycles only when the engine and the exhaust system are cool to avoid burns.
- Prepare appropriate tools and work properly to avoid the breakage of parts or injuries.
- Always use a torque wrench to tighten bolts and nuts securely to the specified torque to avoid these parts getting damaged or loose.
- As some products and frames have sharp edges or protruding portions, work with your hands protected to avoid injuries.
- Before riding, always check such parts as screws for loose.

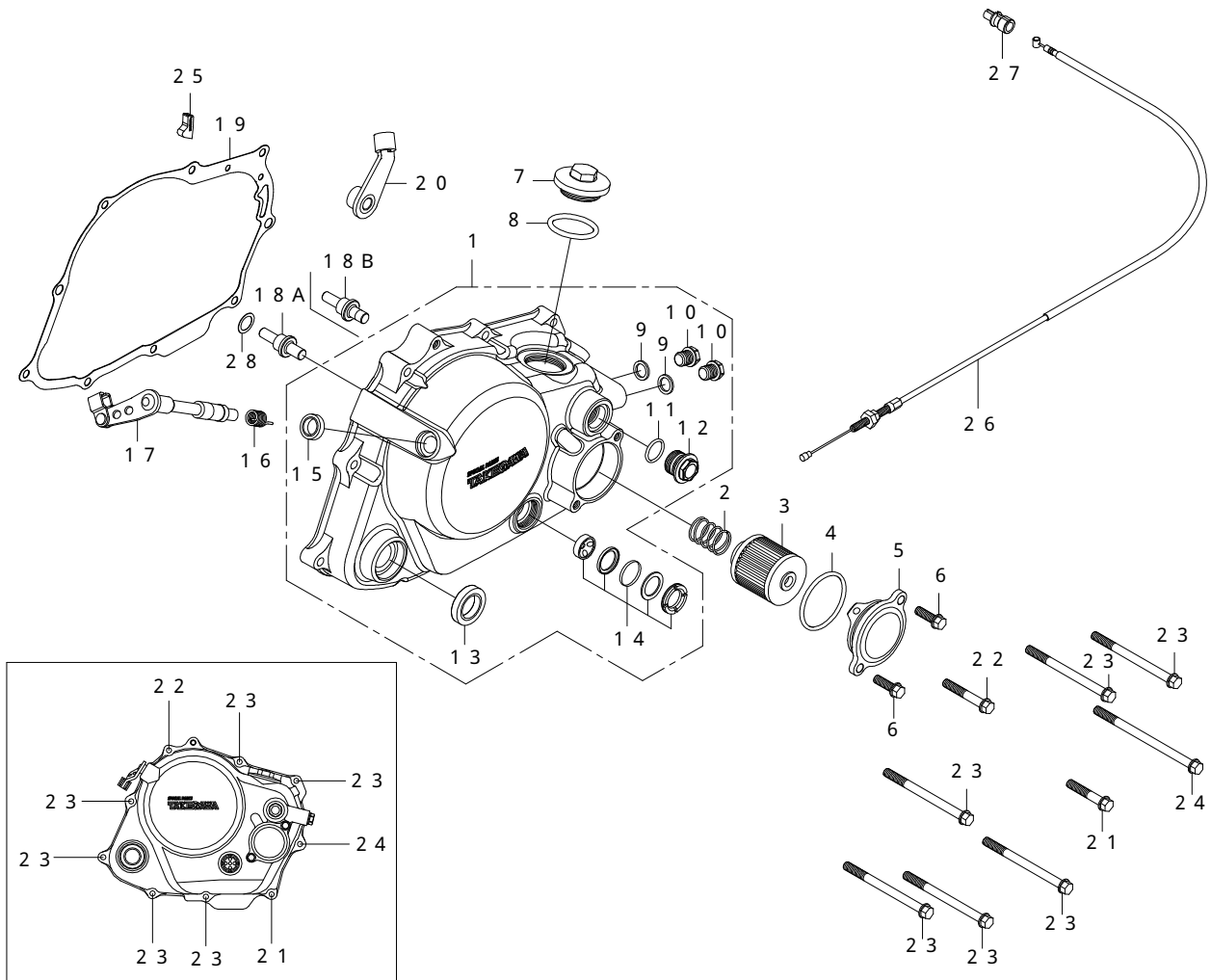
If you find loose ones, screw them securely up to the specified torque to avoid parts coming off.



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.)
- When you notice something abnormal with your motorcycle, stop riding immediately and park your motorcycle in a safe place to avoid an accident.
- Before working, place the motorcycle on the level ground to stabilize its position for safety to avoid the motorcycle overturning.
- 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.)
- 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 the high risk of explosion, work in a well-ventilated place.

Kit Contents



No.	Parts Names	Qty	Repair Parts Item No.	In packs of
1	Right-side crankcase cover assembly	1	11300-GEY-T10	1
2	Oil filter spring	1	15413-181-T00	1
3	Oil filter element	1	00-02-0027	1
4	O-ring 40MM	1	00-02-0040	1
5	Oil filter cover	1	15412-GEF-T10	1
6	Flange bolt 6X16	2	00-00-0174	6
7	Hole cap	1	00-07-0074	1
8	O-ring 30MM	1	00-01-0034	4
9	Sealing washer 10MM	2	00-07-0010	10
10	Oil plug bolt	2	90145-GEY-T00	1
11	O-ring 15MM	1	00-00-0186	4
12	Thermostat hole cap	1	15411-GEF-T00	1
13	Oil seal 18X29X7	1	00-02-0217	1
14	Oil pot window set	1	00-02-0031	1
15	Oil seal 12X18X5	1	00-02-0093	1
16	Clutch lever spring	1	22815-GEY-T00	1
17	Clutch lever COMP.	1	22810-GEY-T02	1
18A	Clutch lifter pin (For 5-speed transmission)	1	22366-ARC-T10	1
18B	Clutch lifter pin (For 6-speed transmission)	1	22366-GCR-T10	1
19	Right-side crankcase cover gasket	1	00-01-0097	1
20	Clutch cable receiver	1	50135-GN1-T00	1
21	Flange bolt 6X35	1	00-00-0180	4
22	Flange bolt 6X40	1	00-00-0178	4
23	Flange bolt 6X80	6	00-00-0338	3
24	Flange bolt 6X100	1	00-00-0339	3
25	Rubber separator	1	00-02-0114	1
26	Clutch cable COMP.	1	22870-GEY-T10	1
27	Clutch cable adapter	1	22872-GEY-T00	1
28	Shim ring 12X18X0.3	4	00-02-0216	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.

Features

We have equipped the clutch cover with an oil filter using a paper-type element.

A thermostat with a spring, made of a shape-memory alloy, is available for use in this kit as an optional extra. (Patent granted.)

The clutch cover and oil filter cover are made of die-cast aluminum.

The surface is barrel-polished.

This kit enables the flow of oil from the clutch cover to oil cooler.

This kit comes with an oil pot window with a high level of durability, which is highly evaluated by the Monkey model riders.

Equipped with a large-size oil filler cap.

Lifter pin direct system, which does not utilize the cam and adjusting lever, is employed as a clutch operation system.

Precautions for use

An oil cooler unit, which is installable to the oil filter cover, cannot be installed to this kit due to the size difference. Oil lines can be used only at the specified location.

A conventional oil cooler hose cannot be installed to this kit due to the size difference. Please use the special one for exclusive with the die-cast cover.

If you are using an oil cooler kit to which an oil hose is connected from the cylinder, NEVER install a thermo unit or oil hole plug. There is a possibility that the engine will be damaged due to the oil passage blockage.

Please refer to a relative instruction manual for a thermo unit, an oil cooler, and so on.

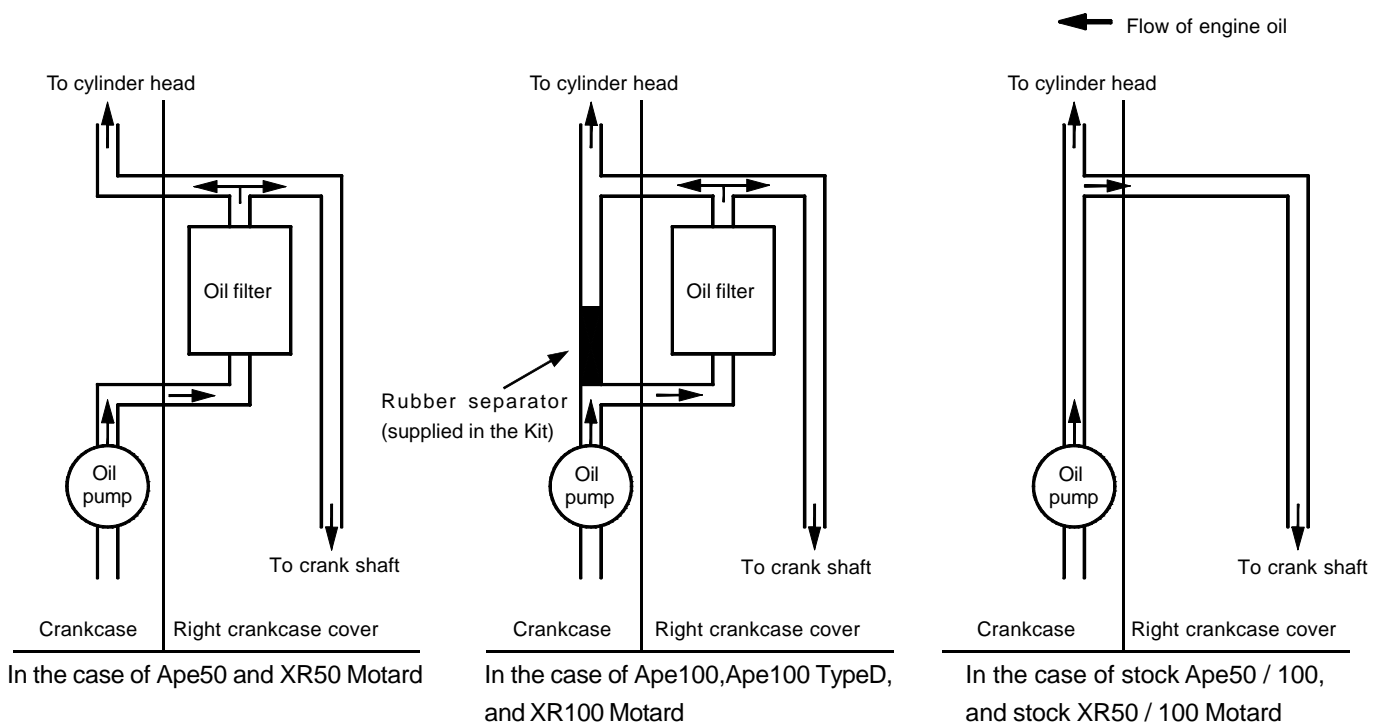
Please do the work, referring to a HONDA's service manual for Ape50, Ape100, XR50 Motard and XR100 Motard.

~ About Oil Lines ~

In the case of Ape50 and XR50 Motard, all the engine oil is provided to the cylinder head and the crankshaft via oil filter.

An oil line in the crankcase of Ape100, Ape100 Type D and XR100 Motard differs in shape from the one in Ape50 and XR50 Motard. However, by attaching the provided rubber separator onto the first three types of motorcycles, all the engine oil can be arranged to flow through the oil filter to the cylinder head and crankshaft just like the latter two types of motorcycles.

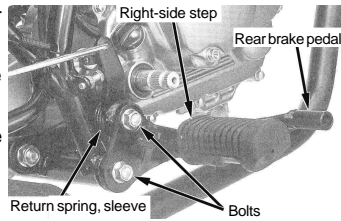
Oil Line Diagram



Installation Procedures

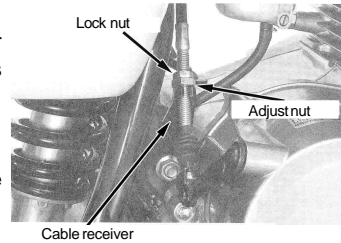
1. Stabilize the vehicle with a maintenance stand.
2. Prepare a tray. Remove the drain bolt and drain engine oil.

3. Unfasten the bolt on the kick starter arm, and remove the starter. Unfasten two bolts on the right-side step bracket, and detach the bracket, rear brake pedal, sleeve and spring.



4. Disconnect the clutch cable. Detach the engine-mounting upper nuts, and pull out the mounting bolts to demount the clutch cable receiver.

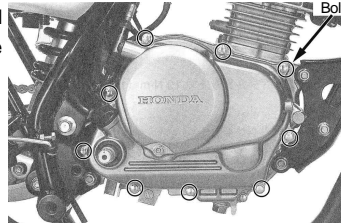
Fix the clutch cable receiver included in the kit, and fasten the engine mounting nuts to the specified torque.



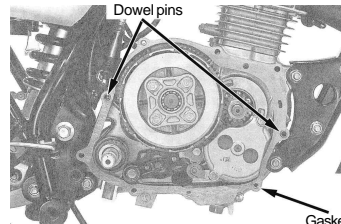
⚠ Caution: Apply the specified torque.

Torque: 44 N · m (4.5 kgf · m)

5. Unfasten the bolts on the right-hand crankcase cover and remove the right-side cover.

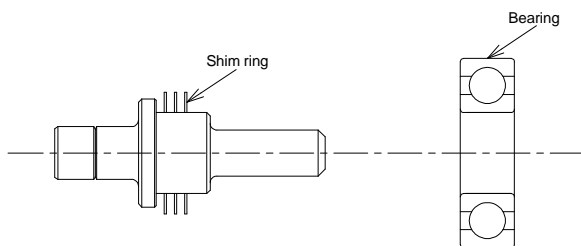


6. Remove two dowel pins and a gasket.



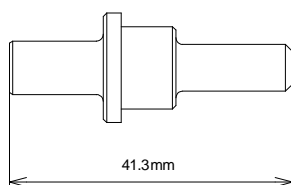
7. Remove the clutch lifter pin.

Put 3 pcs of shim rings through the supplied lifter pin, and install them on the bearings of clutch lifter plate.

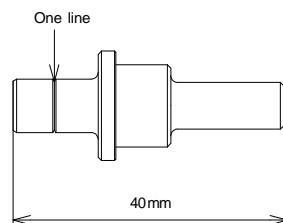


Two kinds of clutch lifter pins are available to suit the kinds of transmissions. Be sure to use a 5-speed transmission lifter pin for a 5-speed transmission and a 6-speed transmission lifter pin for a 6-speed transmission.

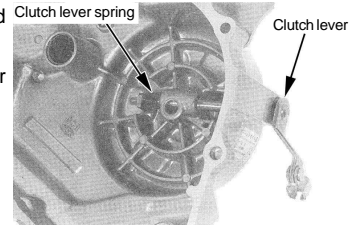
For 5-speed transmission



For 6-speed transmission



8. Install the clutch lever spring and the clutch lever to the cover. Apply engine oil to the clutch lever shaft.



9. Detach the oil filter screen and clean it. Then, fix it firmly to the grooves in the crankcase.

(Installation of rubber separator)

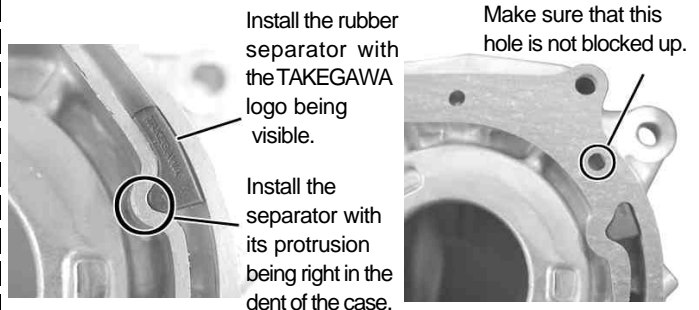
In the case of Ape100, Ape100 Type D or XR100 Motard

As shown in the photo, attach the rubber separator onto the oil line groove on the right side crankcase with the TAKEGAWA logo being visible and its protrusion being right in the dent of the case.

Install the rubber separator without using a hammer or the like.

First attach the clutch cover gaskets to the crankcase.

And check that the arrowed hole is not blocked up by the rubber separator. And lastly attach the clutch cover.



10. Clean up case's mating surfaces, attach the dowel pins and a new gasket, and install the cover.

Be careful not to give damages to the crank shaft and oil seals on the kick starter spindle

11. Fasten temporarily the cover with the supplied bolts, and check the free play of the clutch lever. The correct free play is between about 6 ~ 15 degrees (about 5 ~ 10 mm)

You can adjust it by changing the number of shim rings attached on the lifter pin.

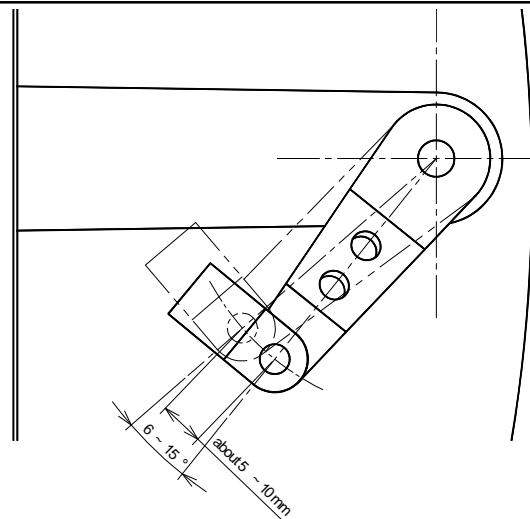
If the free play is less, decrease shim rings.

If it is more, increase shim rings.

When you have the appropriate free play, tighten them to the specified torque in a crisscross pattern in two or more steps.

⚠ Caution: Apply the specified torque.

Torque: 10 N · m (1.0 kgf · m)



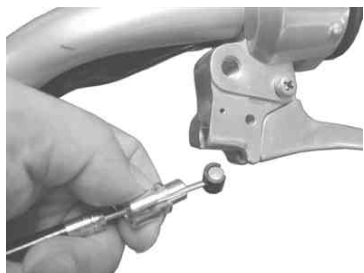
Important Notice

12. Place the oil filter spring on the protrusion of the right-side crankcase cover oil filter.
Install an oil filter element with the rubber seal facing to the outer side.
Apply engine oil to the O-rings of the oil filter cover, and install them to the right-side crankcase cover, being careful that the O-rings are in the right position. And fix and tighten the flange bolt to the specified torque.

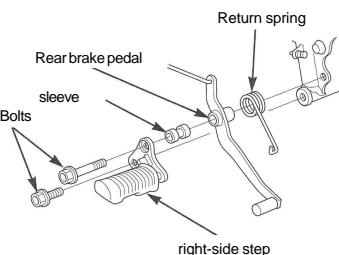
⚠ Caution: Apply the specified torque.

Torque: 9 N · m (0.9 kgf · m)

13. Connect the clutch cable, and adjust the free play on it.
Free play on the clutch: 10-20 mm at the end of the clutch lever.
For stock lever, install the clutch cable COMP. while putting it through the clutch cable adapter.
This procedure is not required when you use TAKEGAWA Clutch Lever ASSY.



14. Apply grease to the sleeve, which please fix to the brake pedal, and tighten loosely the spring and right-side step bracket with bolts. Apply the rear brake, and after brake-related sections get warmed up, fasten the bolts to the specified torque.



⚠ Caution: Apply the specified torque.

Torque: 39 N · m (4.0 kgf · m)

15. Fix the kick starter arm, and screw up the bolt(s) to the specified torque.

⚠ Caution: Apply the specified torque.

Torque: 26 N · m (2.7 kgf · m)

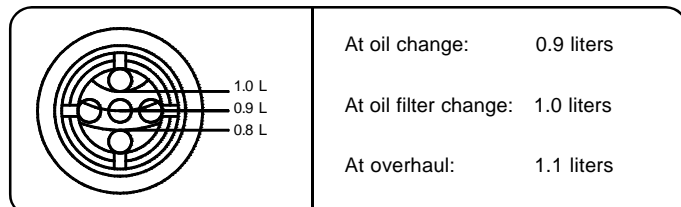
16. Tighten the drain bolt to the specified torque, and pour 1,000cc of engine oil.

⚠ Caution: Apply the specified torque.

Torque: 25 N · m (2.5 kgf · m)

Make sure that there is no oil leakage.

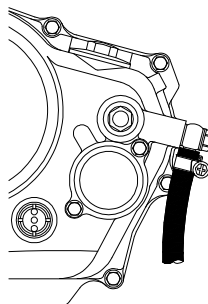
Appropriate engine oil level seen through the oil pot,
just for your guidance



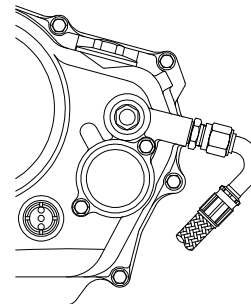
Oil Cooler Installation

In case a thermo unit is to be installed:

1. Install a thermo unit.
2. Unfasten two oil plug bolts, and install an adapter suitable for the kind of hose you will use. Then connect the hose.
Please see the instruction manual for the thermo unit.
Please see the instruction manuals for the oil cooler kit and the adapter.



Rubber hose



Allegri's hose

In Case of Oil Hose Installation on the Cylinder Head Side

⚠ CAUTION : NEVER install a thermo unit or an oil hole plug if you do not connect an oil hose to the clutch cover. There is a possibility that the engine is damaged due to the oil passage blockage.

In case an oil cooler is not installed:

NEVER install a thermo unit or an oil hole plug. And in case the thermo unit and/or an oil hole plug is installed, DO be sure to remove it or them.

⚠ CAUTION : There is a possibility that the engine is damaged because the oil passage will be blocked when the thermo unit or an oil hole plug is installed.

SPECIAL PARTS TAKEGAWA Co.,Ltd.

3-5-16 Nishikiorihigashi Tondabayashi Osaka Japan

TEL : 81-721-25-1357 FAX : 81-721-24-5059

URL : <http://www.takegawa.co.jp>