

Heavy Duty Centrifugal Clutch Kit (32-weight type) Instruction Manual

Product number 02-01-0016

Adaptation model	Monkey (6V Centrifugation clutch model)
Chassis numbers	(Z50J-1000001 ~ 1510400)

Thank you very much for purchasing our products.

Thank you so you will comply with the following matters at the time of use. Before installation, please check your always kit contents.

If there is a point of notice event, Please contact us the dealer of purchase.

◎ If the description, such as photos or illustration different with this part.

☆ Please read carefully before use ☆

- ◎ The use ignoring the instructions that are written in the manual, if the accident or damage has occurred, we can not assume any responsibility for compensation.
- ◎ This product is the above-mentioned vehicle exclusive goods. Is not possible attached to the other vehicle. Please note.
- ◎ Installation of this product requires engine removal and mounting. Please prepare and refer to a genuine parts service manual in order to perform installation work properly. Installation of this product requires engine removal and mounting. Please prepare and refer to genuine parts service manual in order to perform installation work properly. This instruction manual, as well as genuine parts service manual, is prepared with those persons in mind who have basic skills and knowledge in tuning. Therefore, we recommend those who are technically inexperienced or do not have enough tools to ask a technically-reliable specialist shop for the work.
- ◎ When using this product with a heavy duty oil pump, please use our Super oil pump kit (01-16-0058/0059/0065/0066).
Takegawa heavy-duty oil pump (01-16-0054/0055/0056/0057) previously sold may interference with and the centrifugal clutch, but it is possible to prevent interference by using low (height) head bolt. Please check the installation procedure for details.
- ◎ This product installation and use, when a problem occurs to after market goods, guarantee other than this product, also can not assume any in any such matters.
- ◎ If it was the case or mounting that has been processed like a product, it will not be covered under warranty.
- ◎ It is not possible to inquire of the combination of other manufacturers.
- ◎ Some of bolts, nuts, dowel pins and seals will be reused. However, be sure to replace worn-down or severely-damaged ones with new ones.
- ◎ Engine oil needs to conform to API SF or better in the particular viscosity class such as SAE 10W-40 or 15W-50 .
- ◎ Lock nut wrench (special tool) and rotor holder are required to install this product.
Takegawa parts number Lock nut wrench : 08-02-0033 (Size 12.7mm) / 08-02-0034 (Size 9.5mm)、Rotor holder : 00-01-1001
- ◎ Do not use this Kit with an engine of 88 cc or larger.
- ◎ Do Not Use with "R stage / 17R stage / Super head + R / Super head 4V + R / DOHC / DESMO head" mounted car.
- ◎ Please always drove at below the allowable maximum speed of 10,000 rpm. Otherwise, the clutch outer could be damaged.
- ◎ It is necessary to adjust the gear (sprocket). because the primary reduction ratio changes from original ratio.
18/67(3.722) → 17/69(4.058) (Simply change to the less tooth (minus about 3T) in rear sprocket.)

~ feature ~

- Changed the clutch type from "roller type" to "weight type" and strengthened the clutch by increasing the clutch weight.
- Avoid the clutch slipping of centrifugal clutch equipped high-performance engine. It can be sufficiently transmitted the engine power. Especially efficient for S-Stage.

Caution When the handling of ignoring this display, property damage and human shows the assumption of what injury.

- Always try to drive your motorcycle at a legal speed, abiding by the laws.
- When performing the work, etc., be sure during the cold (when the engine and the muffler is cold). (It may cause burns.)
- When performing the work, it should be made to prepare the tools for the job. (Breakage of parts, it may cause injury.)
- Do the work must always specified torque using a torque wrench. (Damage of bolts and nuts, and cause of dropout.)
- The product and the frame, might have edges or protrusions. Please go to protect your hands when you work. (It may cause injury.)
- Be sure to each part inspection before operation, check the loosening of the threaded portion, be sure to securely tighten the specified torque if there is loose. (It may cause detachment of the parts.)
- Gasket always use new parts. Also, parts can be re-used may be checked, if wear or damage, it is always replaced with new parts. (Cause trouble.)

Warning When the handling of ignoring this display people died, shows the contents of the serious injury possibility is assumed.

- If you start the engine, be sure in a well-ventilated place. In the sealed such place, please do not start the engine. (There is a risk of carbon monoxide poisoning.)
- During operation, when an abnormality occurs, immediately stop the vehicle in a safe place, please stop running. (It may lead to an accident.)
- When performing the work, do the work safely stabilize the vehicle in a horizontal location. (There is a risk of injury vehicle collapsed while working.)
- Inspection, maintenance, the instruction manual or, inspection methods such as service manuals, to protect the way, should be done correctly. (unsuitable inspection and maintenance, there is a risk that result to an accident.)
- When carrying out the inspection and maintenance, etc., if found damaged parts, replace the damaged parts to avoid possible to reuse the parts. (There is a risk that lead to accidents Continued use.)

- ◎ Please note. Performance up, the design change, the product and the price in the cost up, etc. are subject to change without notice.
- ◎ Keep this manual stored until this product is discarded.

SPECIAL PARTS
TAKEGAWA

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Please contact with your name and country name provided. (Only English please)



Number	Product content	Quantity	Item Number
1	Clutch assembly	1	_____
2	Clutch outer cover	1	_____
3	Clutch outer cover gasket	1	00-02-0124
4	Lock washer, 14 mm	1	00-02-0123
5	Flat screw 5 x 10	4	00-00-2778 (4 pcs)
6	Primary drive gear (17T)	1	_____
7	Clutch center guide	1	_____
8	Primary driven gear (69T)	1	_____
9	External circlip, 17 mm	1	00-02-0005 (5 pcs)
10	Right-side crankcase cover gasket	1	00-01-0095

※Please order in the repair parts are always repair part number.

If it is not the part number order, you may not be able to order. Please be forewarned.

It should be noted, In the case of parts that can not be separately shipment, please order a set part number.

■ Mounting procedure ※ Please refer to the genuine service manual if the detail is not mentioned method and the specified torque.

◇ Please check the contents of the kit.

※ Support the body firmly with a maintenance stand or the like for your safe installation work.

※ Work only when the engine and the exhaust system are cool.

※ The following show only the basic installation work. Please do work referring to genuine parts service manual as the work may differ depending on the types of motorcycles.

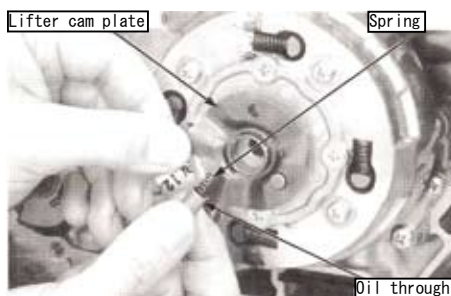
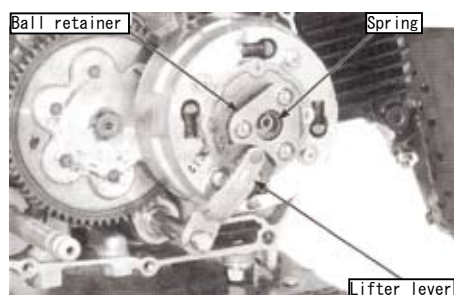
● Removal

◇ Drain the engine oil to detach the following parts: a kick starter, and a rear crankcase cover.

※ Dowel pins and bolts will be reused as long as there is no problem with them. Clear them of dirt and dust and keep them for reuse.

◇ Remove the following parts: a clutch lifter lever, ball retainer, lifter spring, lifter cam plate, oil through, and oil through spring.

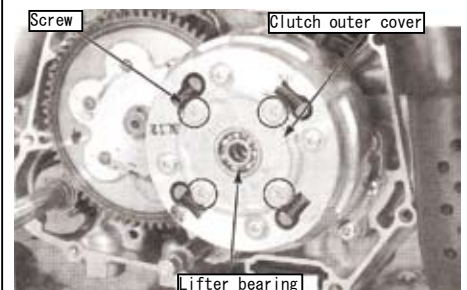
※ Reuse these parts if nothing is wrong with them.



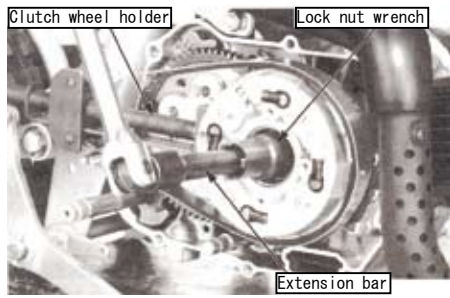
● Removal of a clutch assembly

◇ Remove a lifter bearing.

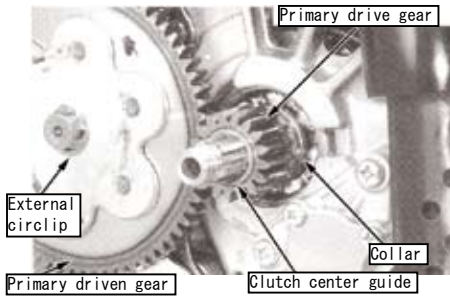
Unfasten four screws and detach a clutch outer cover.



- ◇ Turn up hooks on the 14mm lock washer. Holding the clutch outer, detach a lock nut with a lock nut wrench.



- ◇ Detach a lock washer B and 14mm lock washer, and a clutch assembly from the crank shaft.
- ◇ From the crank shaft, remove a primary drive gear, clutch center guide and collar to check if nothing is wrong with them.
- ◇ Remove the external circlip from the mainshaft, then remove the primary driven gear.



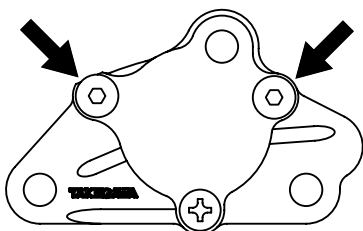
● About oil pump

- ※ Even our super oil pump kit Depending on the pump type, model, it may interfere with this product.
 - When using this product with a heavy duty oil pump, please use our Super oil pump kit (01-16-0058/0059/0065/0066).
 - ※ Also, if you have already installed the above oil pump or other than the super oil pump kit for centrifugal clutch that was sold previously, you can prevent interference by changing the bolts in the following two locations to lower type head bolts.
- Lower type head bolt 5x10
Takegawa parts number : 00-00-0681 (2 pcs)

▲ Note: Be sure that you protect specified torque.

Lower type head bolt
Torque : 4N · m (0.4kgf · m)

- ※ Please apply screw lock agent.



● Installation of clutch assembly

- ◇ Install the supplied primary driven gear on mainshaft, and then install the external circlip.
 - ◇ Reinstall the collar, clutch center guide, and primary drive gear back into the crank shaft.
 - ◇ Install the clutch assembly included in the Kit onto the crank shaft, and mesh the clutch center grooves with the teeth of the primary drive gear.
 - ◇ Attach a 14mm lock washer of the kit, fitting the hook into the grooves on the drive plate.
- Attach a lock washer B with the "OUT SIDE" mark turned up.

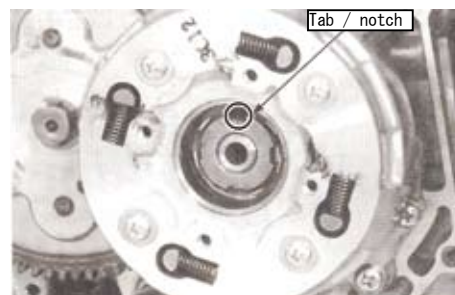


- ◇ Attach a lock nut.

▲ Note: Be sure that you protect specified torque.

Lock nut
Torque : 42N · m (4.3kgf · m)

- ◇ In case a notch on the lock nut is not fit into a hook on the lock washer, press down the lock washer to fit it into the notch. Bend the hook on the lock washer, and fit the hook correctly into the notch on the lock nut.



- ◇ Fix a lifter bearing and gaskets to the supplied clutch outer cover, which please fix onto the clutch outer with four screws.

▲ Note: Be sure that you protect specified torque.

Screw
Torque : 4.4N · m (0.45kgf · m)

● Installation:

- ◇ Install the following parts:
Lifter cam plate, oil through spring, oil through, ball retainer, lifter spring and clutch lifter lever
 - ◇ Install dowel pins and the supplied gaskets onto the crankcase.
- Install a right side crankcase cover and tighten every bolt.

▲ Note: Be sure that you protect specified torque.

Every bolt
Torque : 8.8N · m (0.9kgf · m)

- ◇ Install a kick starter and tighten the bolt.
- ◇ Referring to a genuine service manual, inject the engine oil in the specified amount.

● Adjustment:

- ※ **Must be adjusted. Especially when using a heavy-duty oil pump, the clearance is narrow, so interference may occur if it is not adjusted.**
- ◇ Loosen the lock nut, turn the adjustment bolt clockwise until it stops, and then turn it counterclockwise until it becomes slightly heavier.
- ◇ At the point you felt some resistance in turning the adjust bolt counterclockwise, give it a 1/8 turn clockwise. And holding the adjust bolt, tighten the lock nut.
- ◇ Start the engine, and check that there is no unusual noise from the engine or oil leak in every gasket.
- ◇ Check the conditions of disengagement, slippage and shift operation of the clutch.

