

TAF5-Speed Transmission Kit Instruction Manual

(For our wet clutch only)

- Thank you for purchasing one of our products. Please strictly follow
 the instructions to install and use the kit.
- Before installing the kit, please be sure to check the kit contents. If you have any questions about the kit, please contact your local TAKEGAWA dealer.
- Item No. : 0 2 0 4 0 2 4 7 Super street : 0 2 - 0 4 - 0 0 8 3 Super Touring Fit for : Takegawa Complete Engine / Special HD
 - for : Takegawa Complete Engine / Special HD crankcase (secondary starter type)

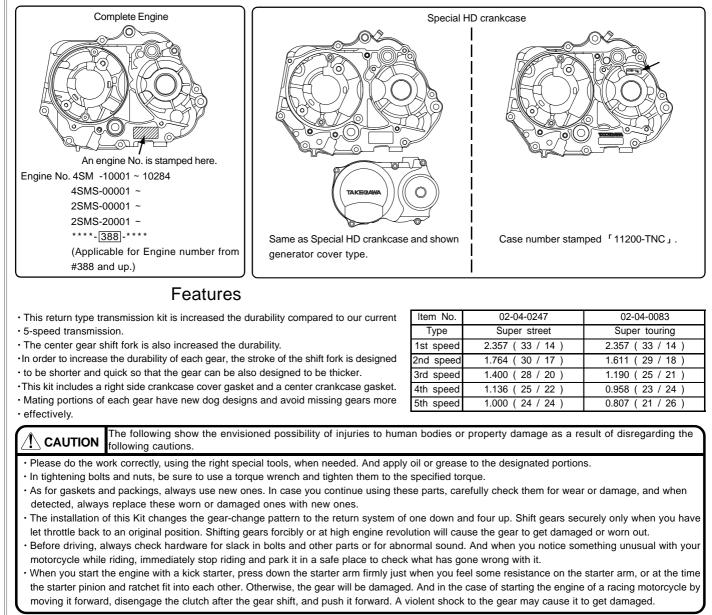
Please note: Illustrations and photos may vary from actual hardware.

Please read the following before starting the installation.

This product is for exclusive use with "Wet" type clutch. This kit is not applicable for Dry type Special Clutch.

This instruction manual refers to the work after the removal of an engine from the body, and removal and disassembly of a cylinder head, cylinder, piston, flywheel, starter assembly, clutch assembly, primary driven gear, driven gear, oil pump and cam chain. For instructions about such removal work, please refer to the relative HONDA's genuine service manual for your proper work.

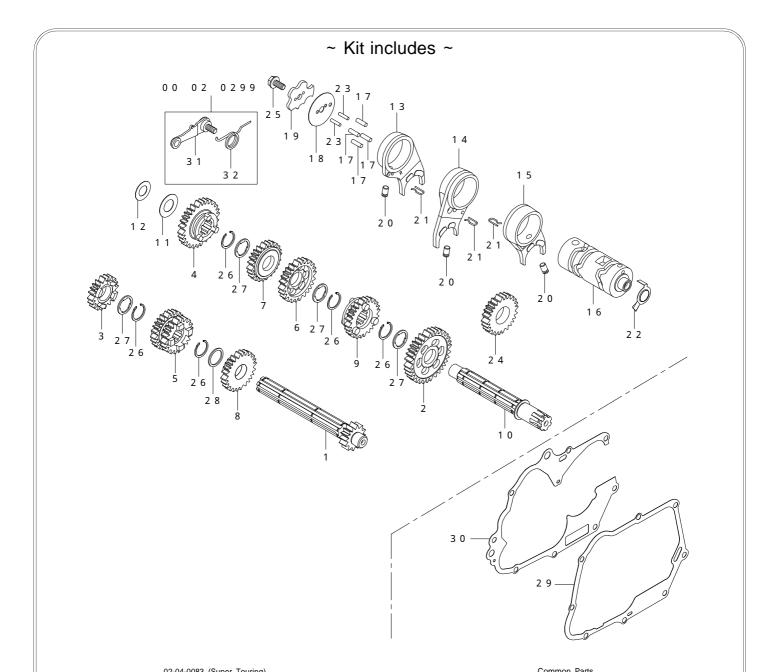
CAUTION) This transmission kit used for only our complete engine and engine number listed below. will not work for others.



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.

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 manual should be retained for future reference.



02-04-0083 (Super Touring)

No.	Part name	Qty	Repair part item No.	In packs of
1	Main shaft	1	23211-GB4-T01	1
2	Counter shaft first gear (33T)	1	23421-086-T00	1
	Main shaft second gear (18T)	1	23431-086-T00	1
	Counter shaft second gear (29T)	1	23441-086-T00	1
	Main shaft third/fourth gear (21T/24T)	1	23451-086-T00	1
	Counter shaft third gear (25T)	1	23461-086-T00	1
	Counter shaft fourth gear (23T)	1	23481-086-T00	1
	Main shaft fifth gear (26T)	1	23491-086-T00	1
	Counter shaft fifth gear (21T)	1	23501-086-T00	1
10	Counter shaft	1	23221-GB4-T10	1

No.	Part name	Qty	Repair part item No.	In packs of
1	Main shaft	1	23211-GB4-T01	1
2	Counter shaft first gear (33T)	1	23421-086-T00	1
3	Main shaft second gear (17T)	1	23431-GEL-T00	1
4	Counter shaft second gear (30T)	1	23441-GEL-T00	1
5	Main shaft third/fourth gear (20T/22T)	1	23451-GEL-T00	1
6	Counter shaft third gear (28T)	1	23461-GEL-T00	1
7	Counter shaft fourth gear (25T)	1	23481-GEL-T00	1
8	Main shaft fifth gear (24T)	1	23491-GEL-T00	1
9	Counter shaft fifth gear (24T)	1	23501-GEL-T00	1
10	Counter shaft	1	23221-GB4-T10	1

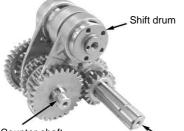
Common Parts							
No.	Part name	Qty	Repair part item No.	In packs of			
11	Thrust washer, 12mm	1	00-02-0073	1			
12	Shim ring, 12x18x0.2	1	00-02-0074	1			
13	Right gear shift fork	1	00-02-0014	1			
14	Center gear shift fork	1	00-02-0230	1			
15	Left gear shift fork	1	00-02-0016	1			
16	Gear shift drum	1	24301-181-T20	1			
17	Shift drum pin, 4x10	4	00-02-0049	5			
18	Gear shift drum side plate	1	00-02-0018	1			
19	Gear shift drum stopper plate	1	24411-051-T01	1			
20	Gear shift fork guide pin	3	00-02-0048	3			
21	Gear shift fork guide pin clip	3	24263-165-T00	1			
22	Neutral switch rotor	1	00-02-0028	1			
23	Stopper plate setting pin	2	00-02-0054	1			
24	Kick starter pinion (25T)	1	28211-165-T20	1			
25	Knock bolt, 6mm	1	00-02-0013	1			
26	External circlip, 17mm	5	00-02-0005	5			
27	Spline washer, 17mm	4	00-02-0023	5			
28	Thrust washer S, 17mm	1	00-02-0024	2			
29	Right crankcace cover gasket	1	00-01-0095	1			
30	Crankcace gasket	1	00-01-0244	1			
31	Shift drum stopper arm comp.	1	00-02-0301	1			
32	Shift drum stopper spring	1	00-02-0152	1			

Please order repair parts with the Repair Part Item No. Without the repair part item NO., we may not be able to accept your orders. Some parts are only available as a set. In this case, please order them with the set number.

~ On installation ~

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

left side crankcase shift spindle. Apply oil to the bearings of the right and left side crankcases. And place the left side crankcase on the pedestal. Apply oil to the rubbing surfaces of the gears on the sides of the mainshaft and countershaft. And mesh together the gears of the mainshaft and countershaft, and fit the hook of the shift fork into the grooves on the gear.



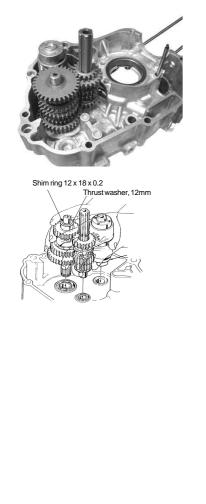
Counter shaft

Main shaft

4

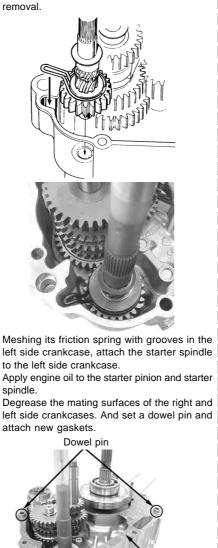
2 . Install into crankcase the main shaft, counter shaft and shift drum all together as a unit. Make sure not to forget to install the thrust washer or shim ring.

Install the shaft with care so the lip of the countershaft oil seal may not turn up.



1. Apply grease to the lips of the oil seal of the 3. Remove, from the kick starter spindle, a 17mm 6. Install dowel pin (x4) and stopper plate pin washer, 20mm set ring, starter drive ratchet, 20mm set ring, 20mm thrust washer and starter pinion, in this order.

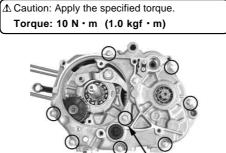
> Install the starter pinion included in the Kit onto the kick starter spindle, and install the above-mentioned parts in the opposite order of



Gasket

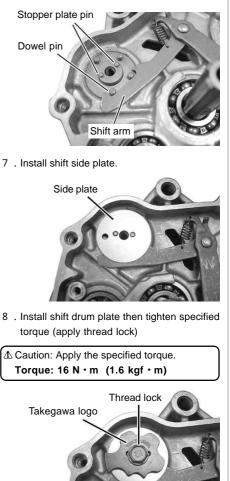
5 . Put together the right and left side crankcases. With the left side crankcase up, place the crankcase bolts on the crankcase, and tighten them diagonally in a few steps to the specified torque

Some products do not have this part.



(x2) then Gearshift arm (modified).

Apply grease on the shift spindle and shift arm and oil seal.



9 . Install stopper arm with specified torque.

▲ Caution: Apply the specified torque. Torque: 10 N · m (1.0 kgf · m)

