TAF 5-Speed Transmission Kit Instruction Manual				
Product number 02-04-0071 S-Touring Monkey/Gorilla (Z50J-1300017 ~ Adaptation model Adaptation model (AB27-1000001 ~ and chassis numbers Monkey BAJA (Z50J-1700001 ~	- 1899999) -)			
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 alwa If there is a point of notice event, Please contact us the dealer of purchase.				
igodoldoldoldoldoldoldoldoldoldoldoldoldol				
 ☆ 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 responsibility for compensation. ◎ This product installation and use, when a problem occurs to after market goods, guarantee other than this product, a 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. ◎ This product is the above-mentioned vehicle exclusive goods. Is not possible attached to the other vehicle. Please not open ratio transmission is a close ratio type which enables the effective use of torque band in comparison with the open ratio transmission. ◎ This kit is for use with a type B kick starter spindle. Before installation, be sure to check your frame No. ◎ Installation of the transmission needs the processing of the left side crankcase. Do the work correctly, referring to a cylinder head cylinder pricton flywheal starter assembly clutch assembl	also can not ote. he standard 3 • 4 to the figure. and removal and			
disassembly of a cylinder head, cylinder, piston, flywheel, starter assembly, clutch assembly, primary driven & drive and cam chain. For instructions about the removal work, please refer to the relative genuine service manual for you				
 feature ~ O This return type transmission kit is increased the durability compared to our current 5-speed transmission. O The center gear shift fork is also increased the durability. O In order to increase the durability of each gear, the stroke of the shift fork is designed to be shorter and quick s can be also designed to be thicker. O This kit includes a right side crankcase cover gasket and a center crankcase gasket. O Adopted a new inverted taper dog shape in the meshing part of each gear to further improve the gear disengagement processing of the stroke of the shift fork is designed to be shorter and quick s can be also designed to be thicker. 	so that the gear			
Gear Ratio				
Item No.02-04-007102-04-0075KindS-TouringSuper Street1st speed2.357 (33/14)2.357 (33/14)2nd speed1.611 (29/18)1.764 (30/17)3rd speed1.190 (25/21)1.400 (28/20)4th speed0.958 (23/24)1.136 (25/22)5th speed0.807 (21/26)1.000 (24/24)				
This 5-Speed Transmission Kit is compatible with a stock clutch, heavy duty clutch, and Special Clutch Kit.				
 ☆ Cautions for Installation ☆ ○ Remove all the stock washers, and use the supplied thrust washers only. ○ For the installation of this Kit onto the 12V Monkey, Monkey BAJA, inside of the left side crankcase needs procession 	ng.			
Caution When the handling of ignoring this display, property damage and human shows the assumption of what injur	ry.			
 Do the work correctly using right special tools when required. And be sure to apply engine oil or grease to the specience of the specified torque. Be sure to tighten bolts and nuts with a torque wrench to the specified torque. Always use new gaskets and seals. And as for other parts to be reused, carefully check them for wear or damage, and damage is detected, always replace these worn or damaged parts with new ones. The installation of this Kit will change the gear-change pattern to the return system of 1-down-4-up. Change gear or let throttle fully back to idle position. Changing gears forcibly or at high engine revolutions will cause the gear worn out. Before riding, always check every hardware like screws and nuts for slack and for unusual sounds. When you notice so with your motorcycle while riding down a road, immediately stop riding and check what has gone wrong with the motor arm, or at the time the starter pinion and rachet fit into each other. Otherwise, the gear will be damaged. And in the racing motorcycle, if you start the engine by moving it forward, disengage the clutch after the gear change, and pus A violent shock to the gear may cause gear to get damaged. 	in case wear or nly when you have to get damaged or omething unusual cycle. on the starter ne case of a			
Please never use this Kit in combination with other manufacturers ignition-system parts, because it is likely that, i parts of other manufacturers' make are used, the gear may get damaged owing to impact shock felt at the time of star with a kick starter.				
 Please note. Performance up, the design change, the product and the price in the cost up, etc. are subject to change Keep this manual stored until this product is discarded. SPECIAL PARTS CONTACT Address : 3-5-16 Nishikiorihigashi Tondabayashi Osaka JAPAN 	e without notice.			

SPECIAL PARTS TEL: +81-721-25-1357 FAX:+81-721-24-5059 e-mail:english@takegawa.co.jp URL http://www.takegawa.co.jp Please contact with your name and country name provided. (Only English please)



$\%\,\text{A}$ component marked "N" shows a genuine part.

02-04-0071 (S-Touring)				
Number	Product content	Quantity	Item Number	
1	Main shaft (14T)	1	00-02-0341	
2	Counter shaft first gear (33T)	1	23421-086-T01	
3	Main shaft second gear (18T)	1	23431-086-T10	
4	Counter shaft second gear (29T)	1	23441-086-T10	
5	Main shaft third/fourth gear (21T/24T)	1	23451-086-T10	
6	Counter shaft third gear (25T)	1	23461-086-T10	
7	Counter shaft fourth gear (23T)	1	23481-086-T10	
8	Main shaft fifth gear (26T)	1	23491-086-T10	
9	Counter shaft fifth gear (21T)	1	23501-086-T10	
10	Counter shaft	1	23221-165-T21	

02-04-0075 (Super Street)

Number	Product content	Quantity	Item Number
1	Main shaft (14T)	1	00-02-0341
2	Counter shaft first gear (33T)	1	23421-086-T01
3	Main shaft second gear (17T)	1	23431-GEL-T11
4	Counter shaft second gear (30T)	1	23441-GEL-T10
5	Main shaft third/fourth gear (20T/22T)	1	23451-GEL-T11
6	Counter shaft third gear (28T)	1	23461-GEL-T11
7	Counter shaft fourth gear (25T)	1	23481-GEL-T11
8	Main shaft fifth gear (24T)	1	23491-GEL-T11
9	Counter shaft fifth gear (24T)	1	23501-GEL-T10
10	Counter shaft	1	23221-165-T21

Common Parts				
Number	Product content	Quantity	Item Number	
11	Thrust washer, 13.5mm	1	00-02-0055	
12	Right gear shift fork	1	00-02-0014	
13	Left gear shift fork	1	00-02-0016	
14	Center gear shift fork	1	24231-181-T02	
15	Gear shift drum	1	24301-181-T20	
16	Shift drum pin,4x10	4	00-02-0049 (5 pcs)	
17	Gear shift drum side plate	1	00-02-0018	
18	Gear shift drum stopper plate	1	24411-051-T01	
19	Gear shift fork guide pin	3	00-02-0048 (3 pcs)	
20	Gear shift fork guide pin clip	3	24263-165-T00	
21	Neutral switch rotor	1	00-02-0118	
22	Gear shift drum stopper arm	1	00-02-0025	
23	Gear shift drum stopper spring	1	24435-GEF-T00	
24	Stopper plate setting pin	2	00-02-0054	
25	Kick starter pinion (25T)	1	28211-165-T20	
26	Thrust washer, 14mm	1	00-02-0047	
27	Knock bolt, 6mm	1	00-02-0013	
28	Gear shift drum side washer	1	00-02-0050	
29	Hex bolt, 6x16	1	00-00-0032 (3 pcs)	
30	Spline washer, 17mm	4	00-02-0023 (5 pcs)	
31	External circlip, 17mm	5	00-02-0005 (5 pcs)	
32	Right crankcace cover gasket	1	00-01-0095	
33	Crankcace gasket (6V)	1	00-01-1032	
34	Crankcace gasket (12V)	1	00-01-0096	
35	Thrust washer S, 17mm	1	00-02-0024 (2 pcs)	

% 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.

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On processing

⚠️ Note Always work with gloves on to protect your hands. Otherwise, you may suffer injuries.

Left side crankcase

- Fold down the circled portion on the left side crankcase with a plier, and rasp the circled portion with a file or a hand grinder. Then wash the left side crankcase with water.
- % Cover the bearings with a tape not to get any dirt, dust or chips into them.
- $\%\,{\rm Work}$ with gloves on lest you should cut your hands with edges of the case.



- In case a kick starter pinion and a left side crankcase interfere with each other, cut off the circled portion until the gear does not touch it any more.
- % Cover the bearings with a tape not to get any dirt, dust or chips into them.
- Work with gloves on lest you should cut your hands with edges of the case.



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

1. Apply grease to the lips of the oil seal of the 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.



`Main shaft

- Install into crankcase the main shaft, counter shaft and shift drum all together as a unit.
- * Do above installation with the transmission in neutral, or at the position where the neutral switch and switch rotor mesh together.
- $\%\,{\rm Never}$ forget to install the thrust washer. As the stock washer is not to be used, remove it.
- XX Install the shaft with care so the lip of the countershaft oil seal may not turn up.



3. Remove, from the kick starter spindle, a 17mm 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 removal.





Meshing its friction spring with grooves in the left side crankcase, attach the starter spindle to the left side crankcase. X Apply engine oil to the starter pinion and starter spindle.

4. Degrease the mating surfaces of the right and left side crankcases. And set a dowel pin and attach new gaskets.

Put together the right and left side crankcases, and check that the they fit together closely. Install the crankcase bolts with the left crankcase face up.





Main shaft assembly

