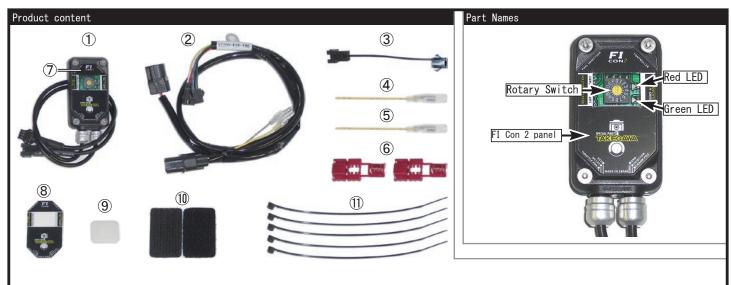
FI Con 2 GROM genuine	head big throttle instruction manual				
Product number 05-04-0025 Applicable model GROM(JC61-1000001~)	Thank you for your purchase of our product. Please so you will comply with the following matters at the time of use. Please check your always kit contents before mounting. If there is a point of notice, please consult the dealer of purchase. If the description, such as photos or Illustration different with this part.				
by switching the rotary switch of the main body.Built-in ma	al engine parts. Injection controller which can be changed the settings easily aps of the fuel injection, can be increased or decreased slightly by simply ions will also be about 11500rpm exceeding the genuine ECU.				
bility for compensation. ■ If trouble occurs in the other components with the use	he manual, if the accident or damage has occurred, we can not assume any responsi of this product are attached to, other than this product parts warranty, we also can				
not assume any in any such matters. When it is machining like the products and mounting, do not covered under warranty. Please refrain from inquiries about the product and the combination of other companies. This product is a dedicated products of the type of vehicle. Please note that you can not in other vehicle mountiong. Please apply at the repair part number if attached to repair parts. If you have any questions, please contact your purchased dealer.					
<ul> <li>Only for GROM (JC61) ,which is Japanese domestic officia</li> <li>Precautions on usepurchased dealer.</li> </ul>	l model.Can not be used with MSX 125.Please purchase one for MSX125.				
For can not be combination parts. In many cases, HID kit of goods outside the company you get vice) to a digital circuit. It will be the cause of product fa Ignition system of goods outside the company (ignition coil a cause malfunction or failure of the product due to the incre-	a high-voltage noise that adversely affect the ballast / inverter (voltage conversion de- ailure or malfunction, please do not installed simultaneously absolutely. and plug cord) is associated with the up of the ignition voltage, please do not use it can ase of radiation noise.However, simultaneous mounted possible with our LED headlight kit. ferences in shortages and voltage waveform of the power generation amount, it will be the				
ful when the car wash likewise. Please immediately stop the	ure, and take a rain or water, water might fail to penetrate into the body.Please be care- e use if the water has entered the body.When the switch part of attached to using a panel a change in temperature, etc. the body it may cloudiness occurs in the transparent part				
term left for under harsh conditions such as in a hot weat ©Please do not disassemble.In addition, Please note if it is ©Please do not give a heavy shock. Do not performed a stro connection of the internal parts by the impact, and there ©On cleaning. Dissolve a small amount of neutral detergent	in the water if there is tough dirt, please slowly carefully dirt. Please note, the use of				
	nds, possibilities and alteration of the resin part, panel will cloudy. y, property damage and human shows the assumption of what injury.				
<ul> <li>In the public roads, please try to law-abiding operation p</li> <li>When performing the work, etc., be sure during the cold (w</li> <li>When performing the work, it should be made to prepare th</li> <li>Do the work must always specified torque using a torque wr</li> <li>The product and the frame, might have edges or protrusion</li> </ul>	rotect the legal speed. when the engine and the muffler is cold). (It may cause burns.) e tools for the job. (Breakage of parts, it may cause injury.)				
🔺 Warning When the handling of ignoring this display	y people died, shows the contents of the serious injury possibility is assumed.				
<ul> <li>When performing the work, do the work safely stabilize the ing.)</li> <li>Inspection, maintenance, the instruction manual or, inspecuitable inspection and maintenance, there is a risk that re</li> <li>When carrying out the inspection and maintenance, etc., if is a risk that lead to accidents Continued use.)</li> </ul>	found damaged parts, replace the damaged parts to avoid possible to reuse the parts. (There ed in a place that is out of reach of children, it should be discarded.				
<ul> <li>For claims, only to products that have been recognized to we will repair or replace. However all of the cost of such e Correct installation and, if it is not protected, such as Please note. If you use in the race, etc., in any case the</li> <li>Until it is destroying the product, please keep this manual</li> </ul>	how to use, it does not have this limitation. claim can not be accepted. al.				
TEL: +81-721-25-1357 FAX	Nishikiorihigashi Tondabayashi Osaka JAPAN K:+81-721-24-5059 e-mail:english@takegawa.co.jp URL http:// www.takegawa.co.jp name and country name provided. (Only English please)				



Number	Product content	Quantity	Item Number		
1	FI CON 2 Assy.	1	-		
2	Harness Comp.	1	32200-K26-T00		
3	Restore harness Comp.	1	38772-FC3-T00		
4	Subcode (BL/YEL)	1	32231-C03-T00		
5	Subcode (YEL)	1	32231-C02-T00		
6	Electro tap	2	00-05-0015 (5 pcs)		
7	FI Con 2 panel (switch unit opening hole)	1 💥	00775 500 500		
8	FI Con 2 panel (switch unit clear)	1	-38775-FC3-T00		
9	Rubber cap	1	00-05-0045		
10	Velcro tape	1	00-00-0150		
11	Cable tie 150mm	5	00-00-0135 (10 pcs)		

7. FI Con 2 panel (switch unit opening hole) is, 1.FI Con 2 Assy. To the factory pasted already.

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

# Mounting procedure 💥 With regard to the mounting method and the specified torque of detail, refer to the genuine service manual.

# Introduction

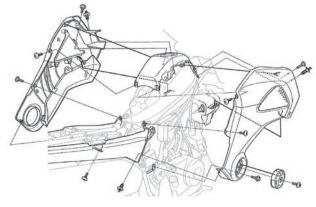
This product has been developed on the assumption that the genuine PGM-FI system is operating without problems. If the PGM-FI system itself there is trouble and upset, it may not work if it is installed the product correctly, not only can not exhibit the performance. It does not could lead to failure is beginning elsewhere this product. Be sure to check that there is no trouble in the PGM-FI system, should be attached and use. In addition, work by using a maintenance stand like a horizontal a safe place, start then fully stabilized to the vehicle.

# \Lambda NOTE

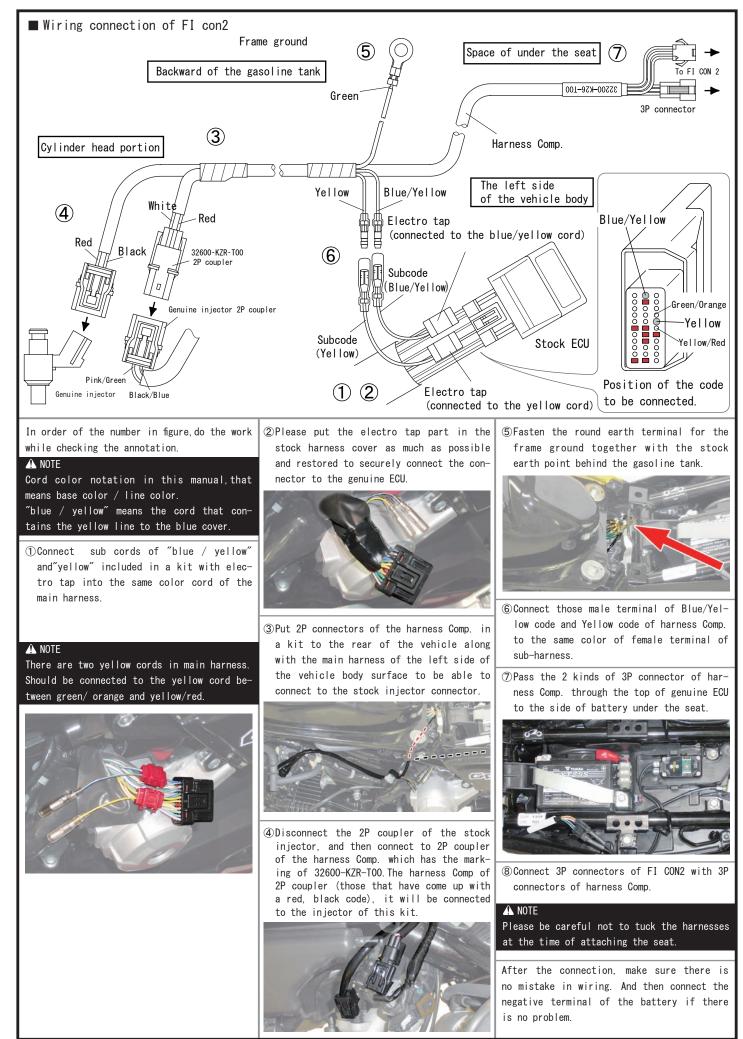
Exterior parts removal work at our instruction manual, we have noted the only summary that omits the details. If you are unfamiliar with the work, you should better to request it to a shop. Or please be sure to work in accordance with the work procedure of the manufacturer original service manual. Also at the desorption of covers, be carefull not to damage the holding pin part and groove part.

Removal of exterior parts and others.

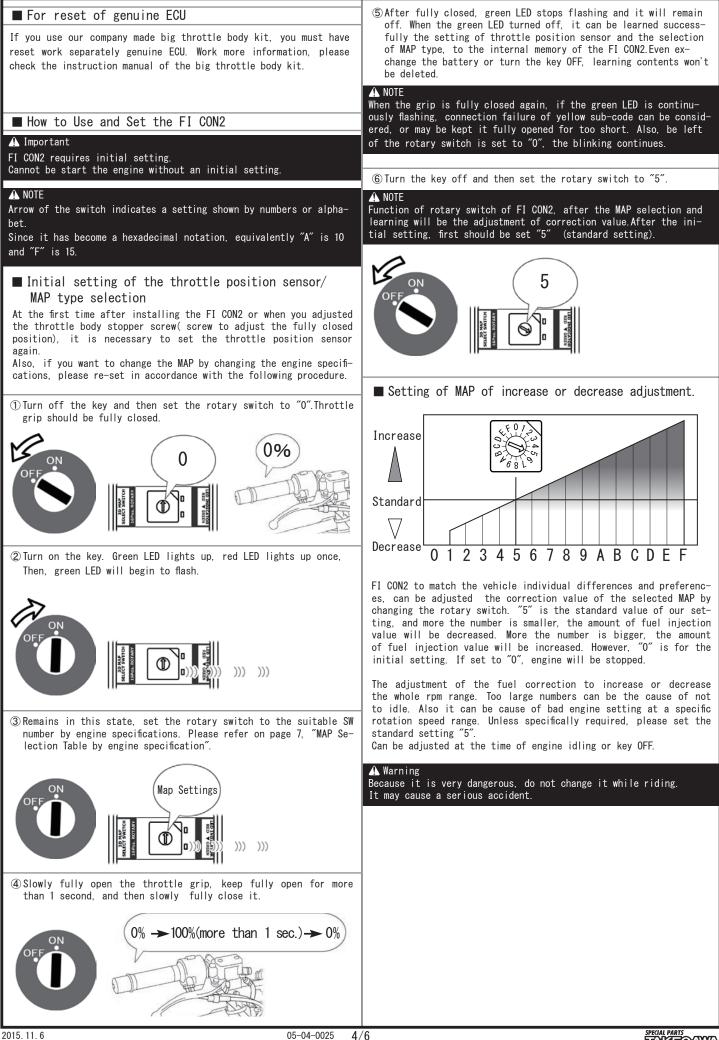
① Remove left and right shroud (referring to the genuine service manual).

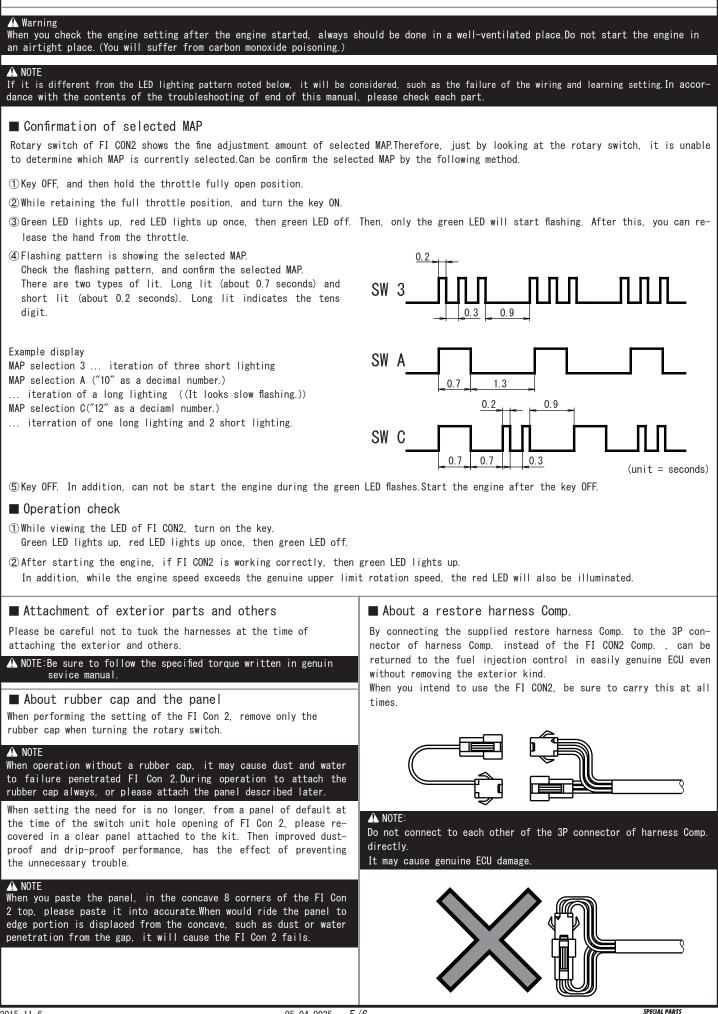


(2) Disconnect the negative terminal of the battery.



SPECIAL PARTS





# ■ MAP Selection Table by engine specification

Each parts other than the stock parts in a following setting table are all limited to TAKEGAWA parts. At the initial setting, set the rotary switch to the suitable SW number by engine specifications. Please note, only is the setting that made the test at our company. vehicle individual difference and the outside air temperature and altitude, rider of body weight, due to an external factor, it might not necessarily be in the best setting.

SW No.	Engine speci fications.				
1	Genuine cylinder • piston	+	Genuine air cleaner box	+	Slip-on type
2	Genuine cylinder • piston	+	Genuine air cleaner box	+	Full exhaust type
3	Genuine cylinder • piston	+	Genuine air cleaner box	+	Bomber muffler
4	e-Stage kit	+	Genuine air cleaner box	+	Slip-on type
5	e-Stage kit	+	Genuine air cleaner box	+	Full exhaust type
6	e-Stage kit	+	Genuine air cleaner box	+	Bomber muffler
7	e-Stage kit	+	Air filter kit	+	Slip-on type
8	e-Stage kit	+	Air filter kit	+	Full exhaust type
9	e-Stage kit	+	Air filter kit	+	Bomber muffler
A	S-Stage kit	+	Genuine air cleaner box	+	Slip-on type
В	S-Stage kit	+	Genuine air cleaner box	+	Full exhaust type
C	S-Stage kit	+	Genuine air cleaner box	+	Bomber muffler
D	S-Stage kit	+	Air filter kit	+	Slip-on type
E	S-Stage kit	+	Air filter kit	+	Full exhaust type
F	S-Stage kit	+	Air filter kit	+	Bomber muffler

% Everything is premise installation of our sports cam shaft and big throttle body.

☆ Does not fit in genuine muffler.

% Genuine air cleaner box specifications, even in genuine filter element, you can use either of our power filter (03-01-0001).
% Air filter kit specifications, our air filter kit (03-01-0004) only.

% Slip-on type, will be setting for our corn oval muffler (slip-on type) (04-02-0148).

% Full exhaust type, our power silent oval muffler (04-02-0216) and corn oval muffler (Full exhaust type type) (04-02-0149) will be setting of shared.

#### ■ About an adjustment of idling speed (Ref)

• Start the engine. and warm-up for 20 minutes.

• Measure the engine idling speed.

- If the idle speed is out of specification, turn the idle air screw shown in the left side throttle body diagram arrow, please adjust to the idling speed of the specified.
- $\cdot$  The case of genuine throttle body about 1800rpm  $\sim$  2000rpm
- $\cdot$  The case of our company made big throttle body about 2000rpm  $\sim$  2200rpm

# ▲ NOTE

When you turn the idle air screw, please make a note how much turned from genuine position so that can be returned to original position.Please adjust little by little, do not rotated 1/4 turn (90 degrees) or more at a time.Also, after adjusting the screw, please idling the engine for 10 seconds or more until the engine speed becomes stable, and then measure the engine speed again.

# Troubleshooting

Even in key ON, LED is also not lit or flashing.	■ Make sure the kill switch is not set to OFF.
	■ FI CON 2 might not comepower supply to the body.
	Please check the battery voltage of the red cord of harness Comp. 3P connector
	at key ON.
	Make sure the round earth terminal of the green cords are securely connected to
	the frame ground.
At the key ON, both LED remains lit.	■ It is a state that has not been the initial setting of the throttle position and
	MAP selection. Please do the initial setting.
Engine does not start.	■ Please re-confirm the wiring connection of harness Comp. connector.
	■ If the initial start-up, make sure the rotary switch indicate "5".
Upon the key ON, it remains only one of the red LED	■ It is a state that is not normally read the throttle opening signal. Make sure
or the green LED is lit.	there is no problem with the connection of the yellow code.
	The main harness has two yellow code. Always and green / orange code, should be
	connected to the yellow of code that is between the yellow / red code.
	■ It is a state that is not read successfully the crank pulse. Make sure there is
lit.	no problem with the connection of the sub-code (blue / yellow).
After the engine is started, the green LED lit, but	At the engine start, if turning on the starter motor while snapping the throttle,
sometimes not lit.	it might become such symptoms. Please start the engine without snapping the
	throttle.
Feel like setting does not match.	■ Make sure the MAP that matches the engine specifications have been correctly
	selected.
	Setting of rotary switch during engine operation, rather than a MAP number,
	make sure that indicates standard setting of "5".
	The combination of engine parts other than TAKEGAWA, probably not match the
	setting, it may become a cause of idling malfunction or engine stall.