

i-map COUPLER ON SET No.1 /2

CODE	(i-map + FEED BACK CANCELLER) 763-1451200
APPLICATION	GROM (JC75)

● Thank you for purchasing Kitaco product. Read and understand the instruction before installing.

■ ATTENTION (MUST READ)

- This parts is made exclusive for racing use. Note that this parts is not covered under warranty. Obey Road transport Vehicle Law and road traffic law.
- We are not responsible for violation of law or damages and accidents caused by assembling mistake and improper setting.
- Do not modify the way which is not listed or it will cause damage and trouble. This product is precision machinery, do not give a strong shock and disassembly.
- Please ask authorized mechanic for assembling and setting. Ask a specialist at specialty shop if you do not understand the role of the surrounding parts.
- By installing this parts, the output characteristic is different from normal, please enhance the brake to match the power and improve steering stability. Please be careful of riding.
- Do not spark the plug out side of cylinder for spark check. It might cause of fire.

PRODUCT SUMMARY	<p>This is a setting tool to adjust the amount of fuel injection when tuning FI (fuel injection) vehicle. Must item for FI vehicle tuning.</p> <p>○ Easy to change recommend fuel control map by switch. By changing i-map DIP switch, recommended fuel control map for Kitaco tuning parts is selectable.</p> <p>○ This product has speed limiter release device. ※ This is just a accompanying function for adjusting amount of fuel injection. It might not enough to rev up over limit without tuning to promote high speed. ※ This product can release fuel injection cut. Cannot release ignition cut.</p> <p>○ This product has user original map. Connect the optional "PC interface cable" to computer, then by using "Fuel manager"※, you can set up ±40% revised value. in regard to speed / accelerator opening degree.</p> <p>※ Fuel manager Exclusive software to read and write i-map fuel control map. Able to download from Kitaco Website. ※ ±40% revised value According to speed and accelerator opening degree, due to the normal long injection time, it might not increase up to 40%. (For safety, it controls not to keep blowing fuel.)</p>
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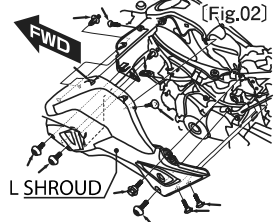
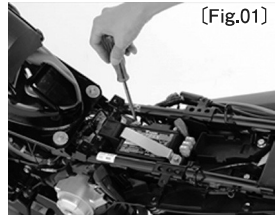
i-map ATTENTION (MUST READ)	<p>▼ For installing and using injection controller.</p> <ul style="list-style-type: none"> ● If installed to normal vehicle, it might be unable to perform because of lack of power. Kitaco parts combination map is already pre-installed in i-Map, but it might need to fuel control setting by yourself if combination is not Kitaco parts(exhaust, camshaft, air cleaner, etc.) ● Do not place near strong noise such as ignition coil, it causes of malfunction, trouble, etc. ● This product works normally only if electrical system is normal. There is no guarantee of work under other special parts installed vehicle. (spark plug, plug cap, high tension code, ignition coil, HID, audio products, etc) ● This product(DIP switch, etc) is not perfectly waterproof. Water might enter if riding under rain, washing, concentrated water. Install the place that can avoid rain, etc. ● Please operate wiring processing same specified place, referring to the attached wiring diagram. Do not take electrical ground from frame, it might cause of break machine. ● This product is precision equipment. If installing to a lot of vibration place, it cause inability to perform as intended and at the worst case, it might break. If mounting beside of engine, it might malfunction by heat and vibration. ※ Malfunction by heat and vibration is out of warranty. Be careful of it. ● This product is non-destructive, do not disassemble. It might cause of malfunction and break.
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OP : OPTIONAL PARTS			
PC INTERFACE CABLE	763-0500900	× 1	

PACKING LIST				
NAME	CODE	QTY	REMARK	
INJECTION CONTROLLER (i-map) GROM (JC75)	763-1451201	x1		
TERMINAL CA104 (male)	755-0900610	x3		Factory installed.
SLEEVE P-2.5 (male / round)	755-0900640	x3		
O2 SENSOR FEED BACK CANCELLER H-001	763-9011001	x1		
COUPLER ON HARNESS KIT (JC75)	763-1451202	x1		
TIE WRAP 100x2.5mm	700-9200100	x4		
TIE WRAP 152x3.5mm	700-9200152	x4		
URETHANE 175x135xT20mm	02-1000008	x1		Anti-vibration.

HOW TO INSTALL

- ※ Refer to the genuine service manual when installation.
- 1 Turn main switch to OFF. remove battery (-), then start installing. When the power is on, it might cause of trouble and accident.
- 2 Remove L side shroud not to break the nail referring to service manual. [Fig.02]
- 3 Remove the connector to install harness KIT to interrupt connection. [Refer to the No,2 wiring diagram.]
- 4 Place harness KIT along to wire harness. [Refer to the wiring diagram.]
- ※ Avoid to forcibly wiring, hindrance to riding, extreme interface and swallowing to other parts.
- 5 Insert the harness KIT to removed connector. [Refer to the No,2 wiring diagram.]
- ※ Install i-Map main unit and O2 sensor feed back canceller to water proof and anti-vibration place. (For anti-vibration, please use sponge, etc.)
- 6 Set up MAP by i-Map main unit attached DIP switch.
- 7 Check each connector connection, then check the operation correctly after battery terminal installed, then install cowls.
- ※ If the failure detection system is flashing, please deal with it referring to trouble shooting on No,2.



HOW TO SET UP Map

DIP SWITCH Set up MAP by DIP switch No,1~4.

ON
↑
OFF

HOW TO REWRITE USER SETTING MAP

Install PC interface cable to controller(i-map) main unit, then connect to computer.

Operate soft ware (i-map · Fuel-manager), then edit map.

※ Download soft ware [i-map · Fuel-manager] from our website (<http://www.kitaco.co.jp>) download service.

After editing, remove PC interface cable, then put back together.

		※ Rev limit does not guarantee to rise to written speed.			
16map MAP	Application : GROM (JC75) Ver.1.0	DIP SWITCH ON ●			
	SPEC	1	2	3	4
1	Rev limit 10500rpm No correction MAP	-	-	-	-
2	Rev limit 10500rpm (JC75) Normal INJ+ High comp + T1 CAM + Normal air cleaner + Extreme R muffler	-	-	-	●
3	Rev limit 10500rpm (JC75) Normal INJ+ High comp + T1 CAM +UNI Filter + Extreme R muffler	-	-	●	-
4	Rev limit 10500rpm (JC75) INJ*x1.6 + LIGHT 164cc + T2 CAM + Normal air cleaner + Extreme R muffler	-	-	●	●
5	Rev limit 10500rpm (JC75) INJ*x1.6 + LIGHT 164cc + T2 CAM + UNI Filter + Extreme R muffler	-	●	-	-
6	※ MAP-5 のFuel control changing spec [Type-A]	-	●	-	●
7	※ MAP-5 のFuel control changing spec [Type-B]	-	●	●	-

※ INJ*x1.6 : Injector x (1.6 times injection quantity)

▼ MAP-8 ~ 16 is written on No,2

i-map COUPLER ON SET No.2/2

CODE (i-map + FEED BACK CANCELLER) 763-1451200

APPLICATION GROM (JC75)

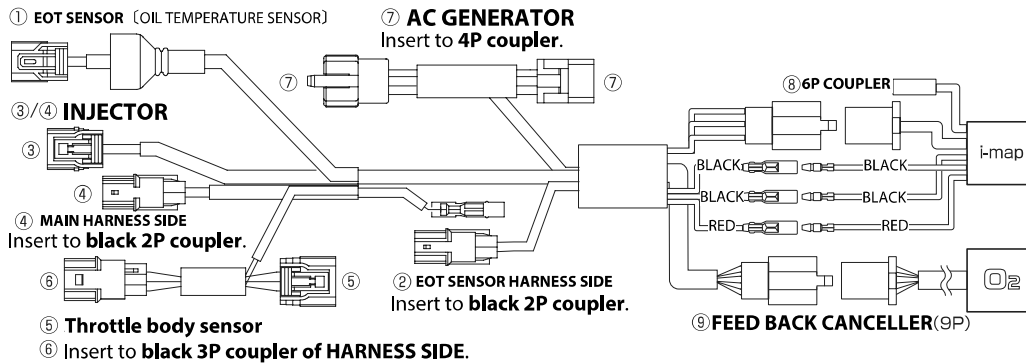
▲ MAP-1 ~ 7 is written on No,1

* Rev limit does not guarantee to rise to written speed.

16map	Application : GROM (JC75) Ver,1.0	DIP SWITCH ON
MAP	SPEC	1 2 3 4
8	Rev limit 10500rpm (JC75) INJ*x1.6 + LIGHT181cc + T2 CAM + Normal air cleaner + Extreme R muffler	- ● ● ●
9	Rev limit 10500rpm (JC75) INJ*x1.6 + LIGHT181cc + T2 CAM + UNI Filter + Extreme R muffler	● - - -
10	* MAP-9 Fuel control changing spec (Type-A)	● - - ●
11	* MAP-9 Fuel control changing spec (Type-B)	● - ● -
12	Rev limit 11000rpm (JC75) INJ*x1.6 + NEO164cc + Throttle body 34mm + Extreme R muffler	● - ● ●
13	Rev limit 11000rpm (JC75) INJ*x1.6 + NEO181cc + Throttle body 34mm + Extreme R muffler	● ● - -
14	Rev limit 11000rpm (JC75) INJ*x1.9 + DOHC181cc + Throttle body 34mm + Extreme R muffler	● ● - ●
15	Rev limit 11000rpm (JC61) INJ*x1.9 + DOHC181cc + Throttle body 34mm + Racing muffler	● ● ● -
16	User setting map range	● ● ● ●

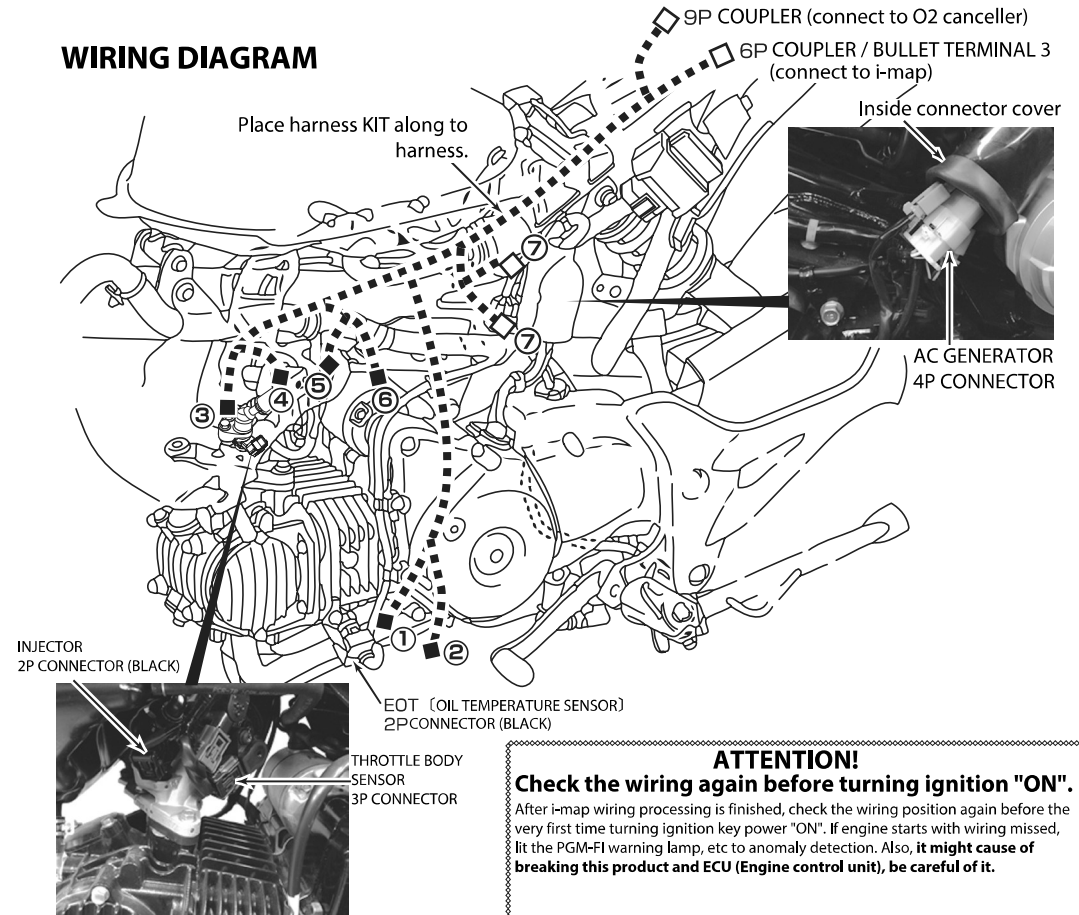
* INJ*x1.6 : Injector x (1.6 times injection quantity)

WIRING DIAGRAM ※ Must to wrap vinyl tape, etc, to wiring spot to waterproof treatment.



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|-------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| ① Connect to cylinder side EOT (oil temperature sensor) . | ⑥ Connect to 3P black coupler that connected to throttle body sensor. |
| ② Connect to normal main harness side EOT sensor connected 2P black coupler. | ⑦ Connect male/female to AC generator 4P coupler (insert) inside connector boots. |
| ③ Connect to injector. (2P black coupler) | ⑧ Connect to i-Map. |
| ④ Connect to connected 2P black coupler of normal main harness side injector. | ⑨ Connect to feed back canceller. |
| ⑤ Connect to throttle body sensor unit 3P coupler. | |

WIRING DIAGRAM



ATTENTION!
Check the wiring again before turning ignition "ON".
After i-map wiring processing is finished, check the wiring position again before the very first time turning ignition key power "ON". If engine starts with wiring missed, lit the PGM-FI warning lamp, etc to anomaly detection. Also, it might cause of breaking this product and ECU (Engine control unit), be careful of it.

TROUBLESHOOTING

Trouble ex)	Please refer to the service manual if it is disconnect signal, etc, error.
CAUSE	Main factor of trouble is coupler missing, disconnection, breaking injector, etc.
HOW TO DEAL WITH	○Follow the vehicle service manual to check. ○If there is a trouble not only the injector but also other places, remove i-map to be normal, then please check again. HOW TO PUT BACK TO NORMAL 1) Remove 110 type 6P coupler and power supply harness (red, black) connecting to i-map. 2) Remove the insert harness KIT and connect normal couplers back. Therefore the wiring is back to normal.