

i-map COUPLER ON SET No.1 /2

CODE	(i-map + FEED BACK CANCELLER) 763-1470200
APPLICATION	CT125 HUNTER CUB (JA55)

● 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 for 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.</p> <p>※ 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.</p> <p>※ This product can release fuel injection cut. Cannot release ignition cut.</p> <p>○ This product has user original map.</p> <p>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 for i-map fuel control map read and write software. Able to download from Kitaco Website.</p> <p>※ ±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>
	<p>▼ For installing and using injection controller.</p> <p>● 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.)</p> <p>● Do not place near string noise such as ignition coil, it causes of malfunction, trouble, etc.</p>

i-map ATTENTION (MUST READ)	<p>● 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)</p> <p>● 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.</p> <p>● Please operate wiring processing same specified place refer to the attached wiring diagram. Do not take electrical ground from frame, it might cause of break machine.</p> <p>● This product is precision equipment. If install 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.</p> <p>※ Malfunction by heat and vibration is out of warranty. Be careful of it.</p>
	<p>● This product is non-destructive, do not disassembling. It might cause of malfunction and break.</p>

OP : OPTIONAL PARTS

PC INTERFACE CABLE	763-0500900	× 1
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PACKING LIST				
NAME	CODE	QTY	REMARK	
INJECTION CONTROLLER (i-map)	CT125 (JA55)	763-1470201	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	CT125	763-1470202	x1	
TIE WRAP	100x2.5mm	700-9200100	x4	
TIE WRAP	152x3.5mm	700-9200152	x4	
URETHANE	175x135xT20mm	02-1000008	x1	Anti-vibration.

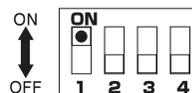
HOW TO INSTALL

- ※ 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 cowl not to break the nail referring to service manual.
- 3 Remove the connector to install harness KIT to interrupt connection. (Refer to the No,2 wiring diagram.)
- 4 Place harness KIT. (Refer to the wiring diagram.)
- ※ Avoid to forcibly wiring, hindrance to riding, extreme interface and swallowing to other parts.
- 5 Interrupt connect 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, install cowl.

HOW TO SET UP Map

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

DIP SWITCH



Application : CT125 HUNTER CUB (JA55) Ver.1.0					
Map-	Switch	1	2	3	4
1		-	-	-	-
2	Hi-comp+T1cam	●	-	-	-
3	Map-2 [+]	-	●	-	-
4	164cc+T2cam	●	●	-	-
5	Map-4 [+]	-	-	●	-
6	181cc+T2cam	●	-	●	-
7	Map-6 [+]	-	●	●	-
Original		●	●	●	●

● : Switch ON

MAP	SPECIFICATION
1	Rev limit 10500rpm No correction MAP
2	Rev limit 10500rpm High compression + T1 cam (Normal injector)
3	Rev limit 10500rpm High compression + T1 cam (Normal injector) ※Map 2 + correction.
4	Rev limit 10500rpm 164cc + T2 cam (x1.9 injector)
5	Rev limit 10500rpm 164cc + T2 cam (x1.9 injector) ※Map 4 + correction.
6	Rev limit 10500rpm 181cc + T2 cam (x1.9 injector)
7	Rev limit 10500rpm 181cc + T2 cam (x1.9 injector) ※Map 6 + correction.
original	User setting map (Manual) (For making user MAP, interface cable that sold separately is required.)

(Rev limit does not guarantee to rise to written speed.)

HOW TO REWRITE USER SETTING MAP (Original)

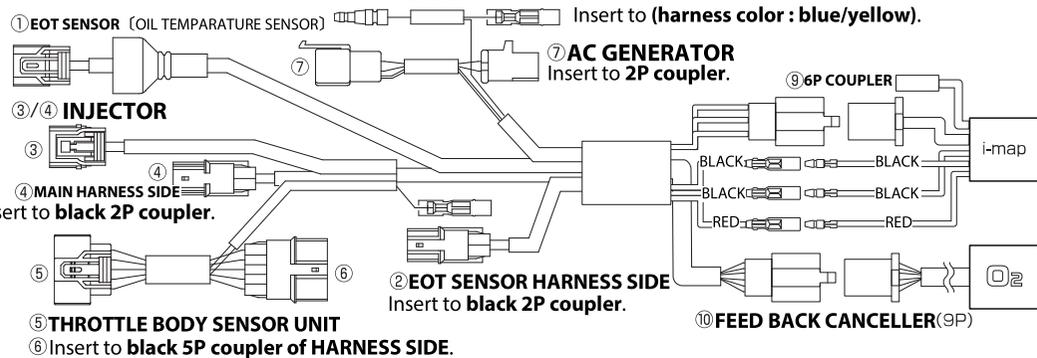
- Install PC interface cable to controller(i-map) main unit, then connect to computer.
- Operate soft ware (i-map·Fuel-manager), then edit map.
- ※ Download soft ware [i-map·Fuel-manager] from our website (<http://www.kitaco.co.jp>) download service.
- ! After editing, remove PC interface cable, then put back together.

i-map COUPLER ON SET No.2/2

CODE	(i-map + FEED BACK CANCELLER) 763-1470200
APPLICATION	CT125 HUNTER CUB (JA55)

WIRING ※When crimp terminal to lead wire, please crimp by using electrical pliers(M shaped hole). (To avoid disconnection and contact failure, recommend to soldering Be careful not to melt the covering around, etc, when soldering.)
DIAGRAM ※Must to wrap vinyl tape, etc, to wiring spot to waterproof treatment.

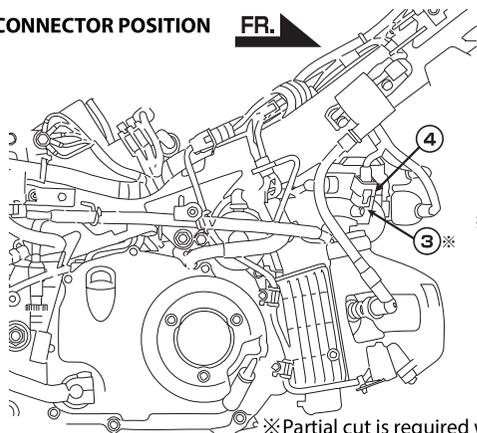
⑧ CKP SENSOR [CRANK PULSE GENERATOR]



- | | |
|---|---|
| ① Connect to cylinder side EOT (oil temperature sensor) . | ⑥ Connect to 5P black coupler connected to sensor unit harness. |
| ② Connect to normal main harness side EOT sensor connected 2P black coupler. | ⑦ Connect male/female to AC generator 2P coupler (insert) inside connector boots. |
| ③ Connect to injector. | ⑧ Connect to inside connector boots CKP (Crank Pulse Generator) sensor (bullet terminal harness color:blue/yellow)(insert). |
| ④ Connect to connected 2P black coupler of normal main harness side injector. | ⑨ Connect to i-Map. |
| ⑤ Connect to throttle body sensor unit 5P coupler. | ⑩ Connect to feed back canceler. |

CONNECTOR POSITION

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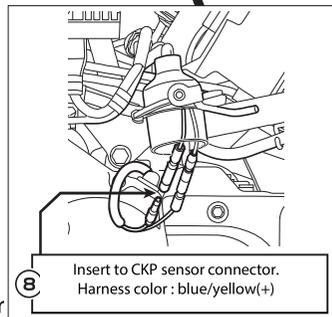
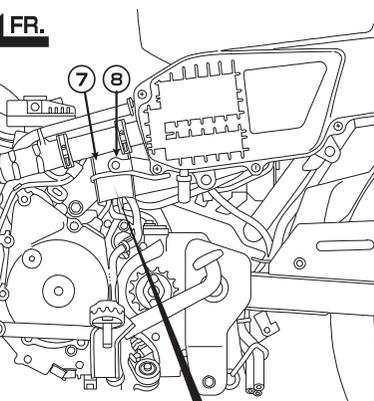
※Partial cut is required when reuse throttle body sensor unit cover and injector coupler cover because the connector cannot get out.



Injector coupler cover

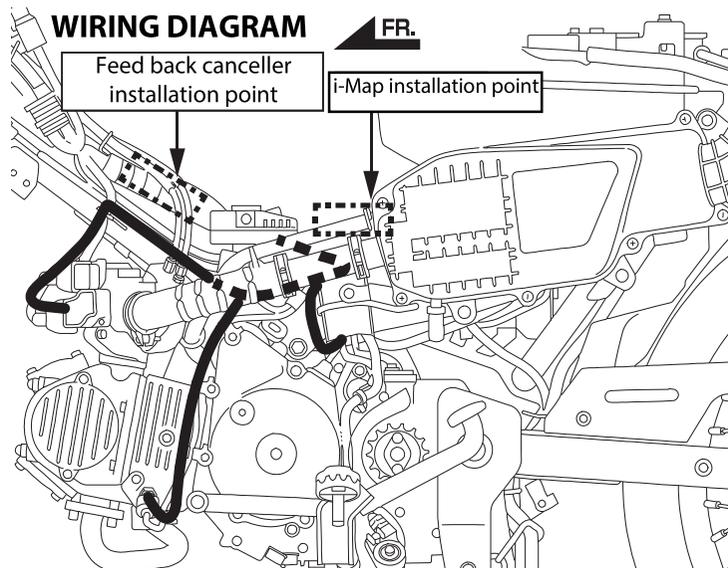


Throttle body sensor unit cover

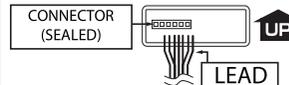


WIRING DIAGRAM

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ATTENTION TO INSTALLATION FOR FEED BACK CANCELLER.



- To prevent water from entering, install canceller main unit with lead direction is under side.
- Do not remove connector sealing.
- Install the canceller to the place with little vibration and noise to prevent malfunction. (Wrap attached urethane, etc, to prevent vibration.)

ATTENTION! (Check again the wiring before turning ignition key "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. <input type="checkbox"/> Follow the vehicle service manual to check. <input type="checkbox"/> If there is a trouble not only the injector but also other places, remove i-map to be normal, them please check.
How to deal with	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.