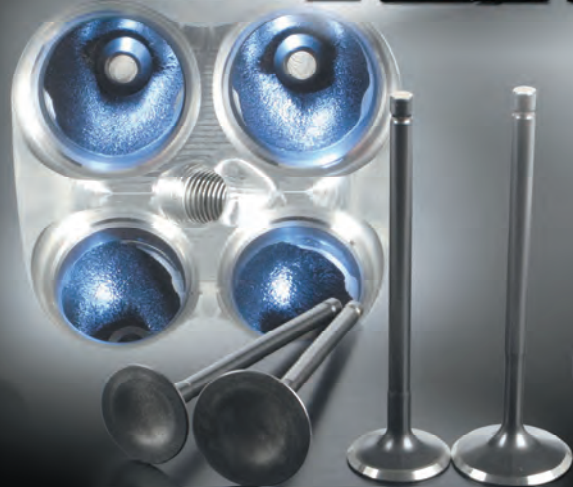


■ Super head 4V+R

FOR GROM・MSX125

# Super head 4V+R

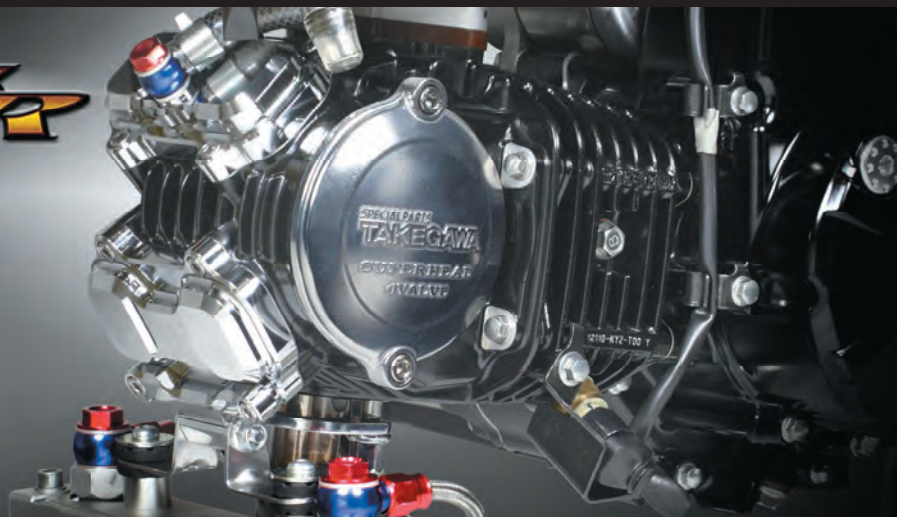


■ Intake and exhaust efficiency of SOHC premier class

Valve diameter: IN: 25mm × 2 / EX: 21.5mm × 2

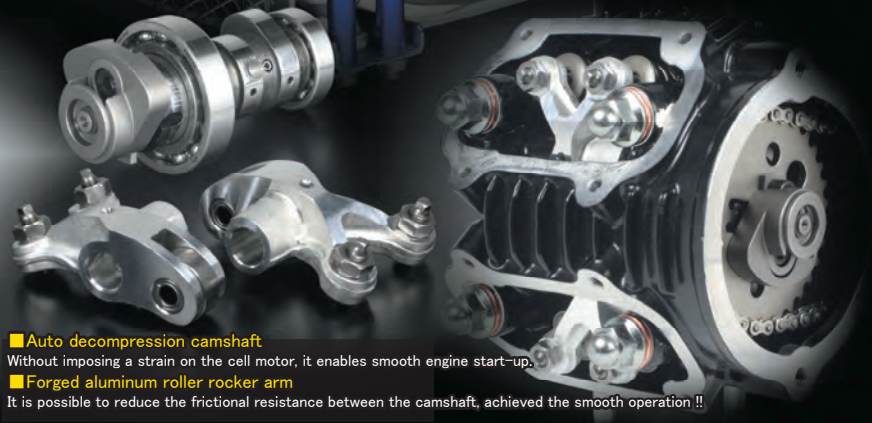
Valve stem shaft diameter: IN, EX both 4.5mm

By adopting the unequal pitch valve spring, to prevent surging at high rotation.



■ Super Head 4V + R(1 cam 4 valve)

Since designed an original cylinderhead shape for 4 valve, achieved high output.



■ Auto decompression camshaft

Without imposing a strain on the cell motor, it enables smooth engine start-up.

■ Forged aluminum roller rocker arm

It is possible to reduce the frictional resistance between the camshaft, achieved the smooth operation !!

## Newly released 4 valve cylinderhead "Super Head 4V + R" for GROM/MSX125!!

By adopting one cam 4 valve cylinderhead, achieved a manageable output characteristics and high output !!



Combustion chamber configuration



Forged aluminum roller rocker arm



Auto decompression camshaft



Aluminum-cast piston

■ Super Head 4V + R(1 cam 4 valve)

By increasing to two each in and ex valves to expand the valve curtain area, achieved a high intake and exhaust efficiency.

Since designed an original cylinderhead shape for 4 valve, achieved high output.

Combustion chamber is finished with high accuracy by NC machining.

■ Intake and exhaust efficiency of SOHC premier class

Valve diameter: IN: 25mm × 2 / EX: 21.5mm × 2 Valve stem shaft diameter: IN, EX both 4.5mm

By adopting the unequal pitch valve spring, to prevent surging at high rotation.

Painted black to the surface of cylinder. Since inspection breather cover is included, it is possible to let out the internal pressure of the engine by purchasing the oil catch tank kit separately.

Billet aluminum inspection breather cover and inspection cover are beautiful chrome plated.

Adopted an aluminum die-cast barrel polishing finish to the L. cylinder head side cover.

■ Forged aluminum roller rocker arm

It is possible to reduce the frictional resistance between the camshaft, achieved the smooth operation !!

■ Auto decompression camshaft Without imposing a strain on the cell motor, it enables smooth engine start-up.

■ Adopted all-aluminum ceramic plated cylinder. Bore diameter: 63mm Stroke 57.9mm (Stock)

all-aluminum ceramic plated cylinder has excellent durability, tightness, heat dissipation.

Since equipped with oil outlet to the cylinder, it is possible to inhibit the oil temperature rise by purchasing the oil cooler kit separately. Painted black to the surface of cylinder.

■ Aluminum-cast piston Compression ratio 12.5:1 Adopted a high compression specification

Piston in pursuit of high performance and durability. Piston top is finished with high accuracy by NC machining.

■ FI CON2 (injection controller) for Super Head 4V + R

Controller already has preset data for Superhead 4V + R and It can be changed the settings easily by switching the rotary switch of the main body. Not necessary cumbersome PC connection. Large capacity injector is included.

Built-in maps of the fuel injection, can be increased or decreased slightly by simply turning the rotary switch.

Also it has a rev limiter cut function. Because that comes a dedicated harness, can be installed with a minimum of wiring processing.

※There are two kinds of FI CON2, for GROM and for MSX125. Each controller is exclusive use.

## ■ Super head 4V+R

FOR GROM・MSX125

### ■ Super head 4V+R bore up kit 181cc

Kit includes Super Head 4V + R cylinder head kit, cylinder kit, cam shaft.

※FI CON2 is required simultaneously.

■ We recommend to purchase our taper machined manifold adapter set separately so that you do not need any processing.

※Be careful that there are two kinds of FI CON 2, one is for GROM and the other is for MSX125.

### ■ Manifold adaptor for stock throttle body

Dedicated adapter for attaching the stock throttle body and manifold to Super Head 4V + R head.

Taper machined adapter can be performed inhalation smoothly from stock manifold to intake port .

The stock connecting tube and the air cleaner box can be used.

### ■ FI CON2 for Super Head 4V + R(Injection controller) Large capacity injector is included.

Controller already has preset data for Superhead 4V + R and It can be changed the settings easily by switching the rotary switch of the main body.

Not necessary cumbersome PC connection. Large capacity injector is included. Built-in maps of the fuel injection, can be increased or decreased slightly by simply turning the rotary switch. Also it has a rev limiter cut function. Because that comes a dedicated harness, can be installed with a minimum of wiring processing.

※Be careful that there are two kinds of FI CON 2, one is for GROM and the other is for MSX125.

※It is only for Super Head 4V + R. Cannot be used to a stock cylinder head.

※Don't install the HID kit simultaneously. ■ Can be used with our LED headlight kit simultaneously.

### ■ Super Head 4V + R Combo kit 181cc

Combo kit includes Super head 4V + R Bore up kit 181cc, FI CON2(Injection controller), Manifold adaptor for stock throttle body, and a spark plug.

※Be careful that there are two kinds of combo kit, one is for GROM and the other is for MSX125.

### ■ Optional parts ※We recommend the simultaneous use.

#### ■ Strengthened clutch springs 02-01-0131

Can be eliminate the slip of the clutch that occurs in high-powered engine and also can transfer the enough engine output.

#### ■ Super oil pump kit 01-16-0063

For the engine with much calorific value, circulate a large amount of oil and cool the engine further more.

※Processing of stock air cleaner box will be necessary.



Super Head 4V + R bore up kit 181cc



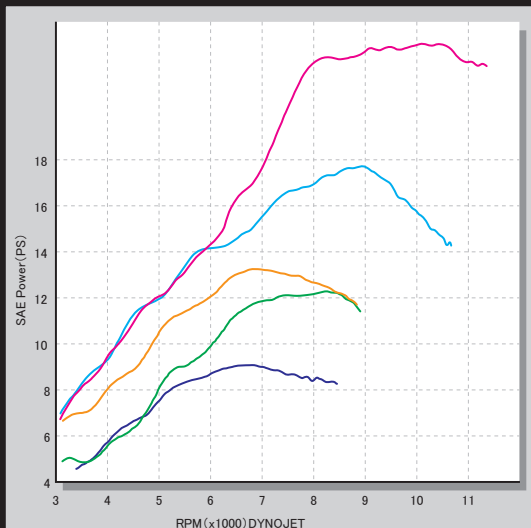
Manifold adapter set



FI CON2(Injection controller)



Super Head 4V + R Combo kit 181cc



■ Super Head 4V + R bore up kit 181cc  
+ Big throttle body (Coming soon) + Bomber exhaust system  
■ Super Head 4V + R Combo kit 181cc + Bomber exhaust system  
■ Hyper S-Stage bore up kit 181cc + Cone Oval exhaust system  
■ Hyper e-Stage bore up kit 143cc + Cone Oval exhaust system  
■ Stock engine + Stock exhaust system  
※Tested at the condition of our test facility, actual power may vary.

Name	Super Head 4V + R bore up kit 181cc
Applicable model	GROM(JC61-1000001~) MSX125(MLHJC618_D5000001~)
Item number	01-05-0501

Name	FI CON2(Injection controller)
Applicable model	GROM(JC61-1000001~)
Item number	05-04-0021

Name	Super Head 4V + R Combo kit 181cc
Applicable model	GROM(JC61-1000001~)
Item number	01-05-0500

Name	Manifold adaptor for stock throttle body
Applicable model	GROM(JC61-1000001~) MSX125(MLHJC618_D5000001~)
Item number	00-00-0610

Name	FI CON2(Injection controller)
Applicable model	MSX125(MLHJC618_D5000001~)
Item number	05-04-0022

Name	Super Head 4V + R Combo kit 181cc
Applicable model	MSX125(MLHJC618_D5000001~)
Item number	01-05-0502