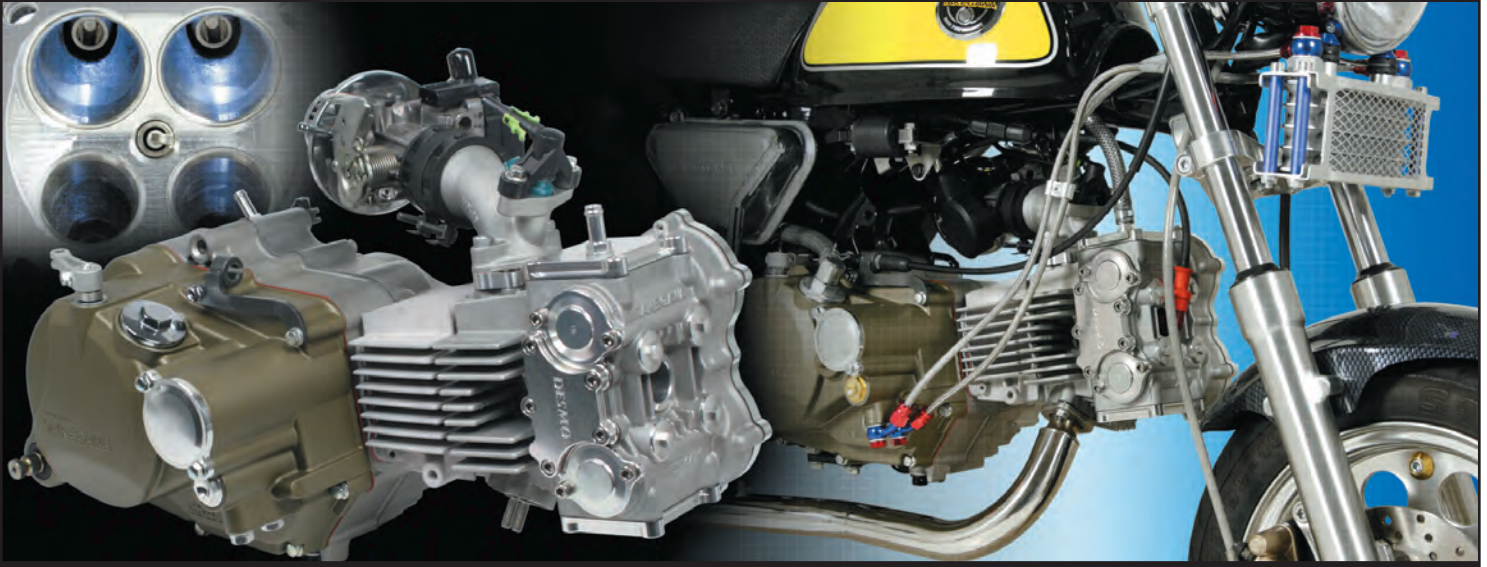


Desmodromic Twin-cam 4V Complete Engine 124cc / 138cc For Monkey(FI)



Desmodromic Twin-cam 4V Head



Rocker arms



Camshaft

■ Desmodromic Twin-cam 4V

Desmodromic structure uses a specially shaped camshaft and the rocker arms, which forcibly open and shut the valves. Thus, since it does not use valve springs, there is no surge at high rotated range. So the special feature is the very small amount of friction exerted on the camshaft. The position of exhaust port is same as Monkey (carburetor model). So you have to choose the exhaust pipe from our line-up for Monkey (carburetor model).



Ceramic plated cylinder (for 138cc)



Stroke up crankshaft (for 138cc)



Installing a ball bearing in the support plate

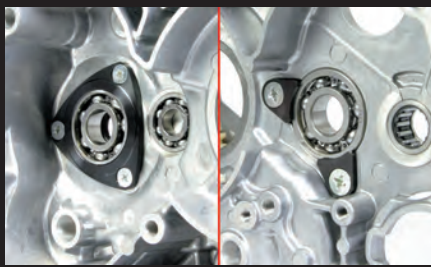
■ Ceramic plated cylinder

Adopted the all-aluminum ceramic-plated cylinder with excellent heat dissipation, durability and hermeticity.

■ Crankshaft support plate (3-point support bearing built-in)

By installing a ball bearing in the support plate, change the crank shaft journal part from two into three-point support. The deflection of the crankshaft that occurs in high rotation range of the engine can be limited.

Desmodromic Twin-cam 4V Complete Engine 124cc / 138cc **For Monkey(FI)**



Bearing hold plate



Dedicated manifold / Big throttle body
large capacity injector



FI CON PLUS
(Injection controller)

■ Our original enhanced crankcase of exclusive design for Monkey (FI). For the burden to the crankcase which occurs by a big exhaust quantification, increasing the case rigidity, it is a high quality crankcase that has been specially designed every detail. Oil pump drives by directly from crankshaft so that larger volume of oil delivered double than stock one. Inside diameter of breather pipe is 6mm. Crankcase has additional oil line to cool the piston and connecting rod small end.

■ Use of Primary Kickstarter System:

Primary kick starting system can be start the engine at any gear if clutch has released. Especially this system is valuable system for competition use.

■ Heavy-duty clutch

Adopt 5 disks; you can eliminate the slip of the clutch that occurs in high-powered engine. Clutch cover is made of magnesium die-casting with brown painting. Wet Special clutch (primary type) with the slipper clutch specification.

■ Close ratio transmission: can be selected from two types of TAF 5 speed close ratio transmission.

Complete standard equipment will be S-Touring 5-speed. By order system, can be specify the Super Street 5-speed close ratio transmission. (Option)

■ Dedicated manifold / Big throttle body / large capacity injector

Equipped the big throttle body, dedicated manifold and large capacity injector.

■ Monkey (FI) Complete Engine exclusive FI CON PLUS is attached.

PC connection is not required.

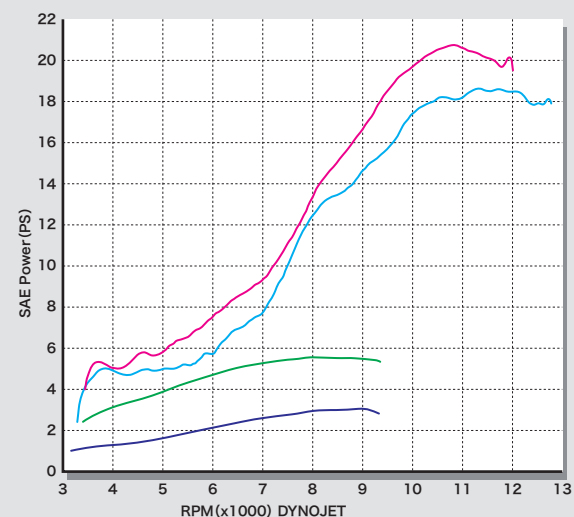
※ It is necessary to use the high-octane gasoline.

※ The exhaust system for Monkey(FI) cannot be installed into this complete engine.

Necessary to change the exhaust system to for Monkey (carburetor model).

※ Ignition system parts are not attached. Please use the genuine parts.

※ Do not install the HID kit simultaneously.



Name	Desmodromic Twin-cam 4V Complete Engine
Applicable model	Monkey(FI) (AB27-1900001~)
Item number	124cc: 01-00-9701 138cc: 01-00-9702

Desmodromic Twin-cam 4V Complete Engine

+Big throttle body

+FI CON PLUS

+Power Silent Oval Exhaust System

■ 138cc

■ 124cc

■ Hyper S-stage Bore up Kit 88cc+Basic Exhaust System

■ Monkey(FI) Stock Engine+Standard Exhaust System

※ To prevent the engine from getting damaged, keep specified rpm range.

※ Tested at the condition of our test facility, actual power may vary.