

## S-Stage+D 156cc Bore Up Kit (Auto decompression) For CYGNUS X (Carburetor model) • CYGNUS X (Fuel injection model)

Auto-decompression appearance S-Stage+D Bore Up Kit 156cc was adopted to reduce the burden of start the engine to S-Stage Bore Up Kit 156cc. If you do the start engine and Kick starter are possible starting with the power of a light kick. If you do in the starter motor to start engine is to reduce the consumption of the battery.

■ S-Stage Bore Up Kit 156cc (Kit components : cylinder, piston kit, roller rocker arm, cam shaft, gaskets. )

■ Hyper S-Stage Bore Up Kit 156cc for CYGNUS-X (FI) ※Hyper S-Stage Kit is available for CYGNUS-X (FI) only.

(Kit components : S-Stage Bore Up Kit 156cc, FI CON, Heavy-duty clutch center spring, High-speed pulley, Weight roller, Spark plug)

- **Cylinder** : A all aluminum ceramic coated cylinder is utilized that has outstanding durability, precision, and heattransfer.
- **Roller rocker arm** : Mounting the roller rocker arm reduces friction and provides a smooth cam profile from low to high rpm. Also, output is increased compared to the stock rocker arm.

• **Choose from two types of piston** : Choose from two types of high-comp piston and standard piston.

Compared to the conventional standard piston that has a compression ratio of 11.5 : 1, this high-comp piston has a compression ratio of 13.6 : 1. This means that compared to the original kit, output in the mid to high speed zones can be increased.

The piston top surface uses CNC high-precision machining.

※When mounting on the CYGNUS-X (FI) , our FI CON (injection controller) is also required.

■ FI CON (injection controller)

Fuel injection is adjusted as necessary when installing our sports camshaft on the CYGNUS-X(FI) and when engine customization is performed using our S-Stage 156cc kit. Includes 16 types of recommended data for combinations of our engine parts and exhaust system. Settings can be adjusted simply by turning the main unit rotary switch.

※No rev limiter function. ※Parts for corporate with other Takegawa engine parts.

※Cannot use ON/OFF switch and not for HID (discharge) head light.



Camshaft (Auto decompression)



Ceramic plated cylinder



Roller rocker arm



Piston : L.Hi-compression/R.Standard



S-Stage Bore Up Kit 156cc



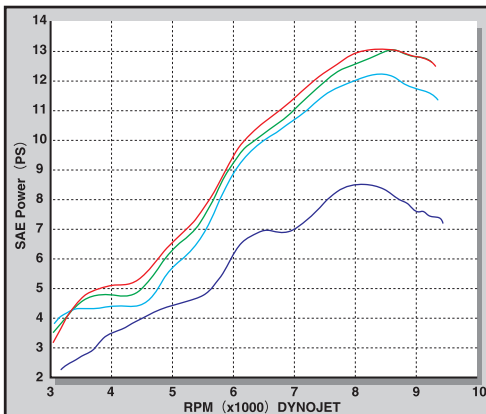
Hyper S-Stage Bore Up Kit 156cc (FI only)

Name	S-Stage+D Bore Up Kit156cc (Roller rocker arm / Auto decompression)
Applicable model	CYGNUS X (Carburetor model) (SE12J) CYGNUS X (Fuel injection model) (SE44J) ※Up to '09 model ※When mounting on the CYGNUS-X (FI) , our FI CON (injection controller) is also required.
Item number	Hi-compression piston 01-05-4475 Standard piston 01-05-4477

Name	Hyper S-Stage+D Bore Up Kit156cc (Roller rocker arm / Auto decompression)
Applicable model	CYGNUS X (Fuel injection model) (SE44J) ※Up to '09 model ※Cannot be installed on the CYGNUS-X (carburetor model)
Item number	Hi-compression piston 01-05-4476 Standard piston 01-05-4478

Name	FI CON (Injection controller)
Applicable model	CYGNUS X (Fuel injection model) (SE44J) For Japanese domestic model
Item number	05-04-0001

※For hi-compression, use premium fuel (high octane) . This is racing use only.  
 ※Use stock cylinder head and stock crankshaft. Do not use other than stock head and crankshaft.  
 ※Use with stock ignition timing.



**Graph data**

※ To prevent the engine from getting damaged, keep specified rpm range.  
 ※ Tested at the condition of our test facility, actual power may vary.

CYGNUS-X (FI) S-Stage Bore Up Kit 156cc+Silent sports exhaust system  
 ■ Roller rocker arm+Hi-compression piston  
 ■ Stock rocker arm+Hi-compression piston  
 ■ Roller rocker arm+Standard piston  
 ■ Stock engine+Stock exhaust system

**If you want to Auto decompressin spec has been fitted with present S-Stage 156cc Kit.**

Version up Kit purchased by S-Stage 156cc Kit are mounted differently.

※ Which must be Roller rocker arm if you want to Auto decompression spec.

■ TAKEGAWA S-Stage 156cc Kit (Stock rocker arm model) more Please buy the Item number [01-08-0053](#)  
[01-08-0053](#) Kit of target : 01-05-4463, 01-05-4474, 01-05-4469, 01-05-4462, 01-05-4473, 01-05-4467, 01-05-4471

■ TAKEGAWA S-Stage 156cc Kit (Roller rocker arm model) more Please buy the Item number [01-08-0054](#)  
[01-08-0054](#) Kit of target : 01-05-4464, 01-05-4470, 01-05-4468, 01-05-4472



01-08-0053



01-08-0054

Name	Auto decompression camshaft & Roller rocker arm Kit
Applicable model	CYGNUS X (Carburetor model) (SE12J) CYGNUS X (Fuel injection model) (SE44J) ※ For vehicles equipped with TAKEGAWA S-Stage156cc (Stock rocker arm model)
Item number	01-08-0053

Name	Auto decompression camshaft Kit
Applicable model	CYGNUS X (Carburetor model) (SE12J) CYGNUS X (Fuel injection model) (SE44J) ※ For vehicles equipped with TAKEGAWA S-Stage156cc (Roller rocker arm model)
Item number	01-08-0054

**For those owning current FI CON, you can now update to the newest program's version.**

■ This is a service, in which you can send in the current version of FI CON (03-05-0015) to our factory, and we overwrite with the new programs and return to you.

You can get 16 types of pre installed program data for our major custom engine specification.

■ FI CON Version up service for CYGNUS-X (Applicable Item number : 03-05-0015) [12-05-0002](#) Shipping is not included.

※ It is a required that original FI controller operates normally in renewal.

We may decline to rewrite in case the controller is modified or significantly damaged.