

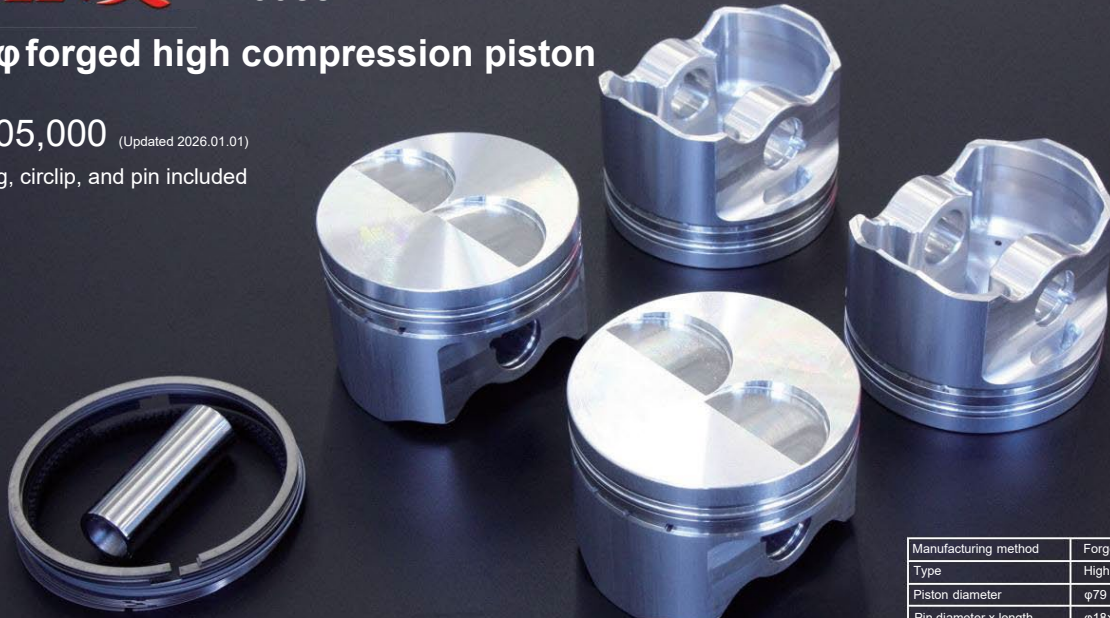
4K ENGINE TUNING PARTS

4K改 1430cc

79φ forged high compression piston

¥105,000 (Updated 2026.01.01)

*Ring, circlip, and pin included



鍛造
+ 削り出し

This lightweight racing piston is made from high-strength forged material and is machined to create the ideal shape. The combination of cutting-edge machining and low-friction reinforced piston rings, such as a taper pin hole to reduce the burden on the pin boss and a three-dimensional profile to reduce friction loss even in the high-temperature, high-speed range, allows you to achieve high power and high revolutions at the same time.

Manufacturing method	Forged - Machined
Type	High compression
Piston diameter	φ79
Pin diameter x length	φ18×50mm Lightweight type
Pin height	36.0mm
Piston ring thickness	1.0×1.0×2.0mm
Piston weight	253g
Valve recess depth	IN 3.5mm EX 3.5mm
Connecting rod used	4K Genuine (full flow)
Crank used	4K Genuine

*Can be used with 3K engines.

4K Engine Parts

4K Metal Head Gasket



This bead-type head gasket secures the surface pressure by providing press-formed beads around the combustion chamber and around the water and oil holes, which require a high level of sealing. The layout is appropriately distributed by the width and height of the beads, making it an indispensable part for tuning engines.

Bore diameter	Thickness	Price
76φ 80.5φ	0.8mm	¥18,000
76φ 80.5φ	1.0mm	¥18,000
76φ 80.5φ	1.2mm	¥19,000
76φ 80.5φ	1.5mm	¥20,000
76φ 80.5φ	2.0mm	¥23,000
76φ 80.5φ	2.5mm	¥26,000
76φ 80.5φ	3.0mm	¥28,000

*Shared with 3K engines

4K F780-Reinforced Metal



*Shared with 3K engines

F780-Reinforced metal (STD size)

*F780 Reinforced Main Metal SET	¥17,500
*F780 WPC reinforced main metal SET	¥25,300
*F780 Reinforced Connecting Rod Metal SET	¥14,000
*F780 WPC reinforced connecting rod metal SET	¥20,240

4K Thrust Metal (genuine equivalent)

STD	¥1,370
(0.25us, 0.5us) Undersize	¥1,660

4K reinforced timing chain



3K 4K reinforced timing chain

Double chain type ¥9,000

4K-II reinforced timing chain

Single chain type ¥11,500

Features

This reinforced chain has a relatively thin 5-10μ insoluble manganese phosphate film on the metal surface, which is then uniformly and evenly permeated into the material surface. This provides four times the wear resistance! It keeps the chain in the best condition over a long period of time by preventing valve timing delays caused by chain elongation. It is also resistant to the burning and galling that often occurs in the chain's sliding parts, and helps maintain smooth movement and reduce friction loss.

4K reinforced valve springs/retainers



3K 4K reinforced valve springs

Valve lift 13mm compatible
Set load 43k Full load 108k (12mm)

¥16,000/SET



3K 4K Lightweight titanium retainer

¥26,000/SET

(Weight: Titanium 6.8g / Genuine 18.5g)

*Titanium coating enhances wear resistance.

4K Chromoly lightweight flywheel/reinforced bolts



4K Chromoly lightweight flywheel

The most effective way to improve the response of the 4K engine is to reduce the weight of the flywheel. We have adopted SCM material, which has excellent durability, and designed it to be thin while maintaining high strength.

*STD type (3.9kg)	¥50,000
*R type (3.2kg) *Lightweight hole type	¥54,000

4K ARP Reinforced Flywheel Bolt SET

(Strength standard 200,000PSI, tightening torque 130N·m)
Reinforced bolts from ARP, USA, reduce bolt loosening during sports driving or high revolutions, increasing safety.

Set of 6 ¥8,000

4K Valve Spring Washer



4K valve spring stepped seat

This stepped spring seat is machined from chromium for double type valve springs. It fits perfectly on the double springs and stabilizes the valve springs.

¥8,000/SET



4K Valve Spring Washer

The installation length of the valve spring is an important point for improving performance! By cutting the seat, the protrusion can be extended, and the load loss due to the valve spring sagging can be compensated for by placing a stepped seat under it.

Thickness 0.5mm/1.0mm ¥400/1 sheet

*Shared with 3K engines