

U20 ENGINE TUNING PARTS

U20改 2111cc

90φ forged high compression piston (89φ and 91φ sizes added)



¥132,000 (Updated 2026.01.01)

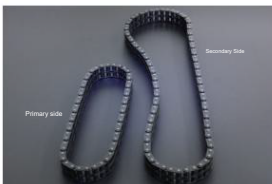
*Ring, circlip, and pin included

This high-strength forged piston is suitable for a wide range of specifications, from stock overhauls to race tuning. You can experience the high torque of the 2111cc bore and the durability and high response of the lightweight forged piston.

Manufacturing method	Forged - Cut - Shot
Type	High compression
Piston diameter	φ89 φ90 φ91
Pin diameter x length	φ22×60mm Lightweight type
Pin height	41.0mm
Piston ring thickness	1.5×1.5×2.8mm (89/90)
Piston ring thickness	1.2×1.2×2.8mm (φ91)
Weight of piston	377g (φ90 weight)
Valve recess depth	IN 3.0mm EX 3.0mm
Connecting rod	U20 genuine (full flow)
Crank	U20 genuine

U20 Engine Parts

U20 Reinforced Timing Chain



- Primary side chain **¥8,000**
- Secondary side chain **¥12,000**

This reinforced chain has a relatively thin 5-10μ manganese phosphate-based insoluble film formed on the metal surface, which is evenly and evenly permeated into the material surface. This achieves four times the wear resistance! It keeps the chain in the best condition for a long time by suppressing valve timing delays caused by chain elongation. It is also resistant to seizure and galling that often occur in the sliding parts of the chain, and helps maintain smooth movement and reduce friction loss.

U20 NDC Metal



*Sizes: STD, 0.25us, 0.5us, 0.75us, 1.0us

γ Features of WPC Molybdenum Treatment

This is a reinforced type with a special surface treatment applied to the metal surface based on the standard NDC metal. Unlike general WPC treatment, by directly spraying molybdenum disulfide powder, which is well known as a solid lubricant, the solid lubricant diffuses and penetrates into the metal surface structure, while at the same time forming fine irregularities on the surface to enhance the oil film retention effect. This double effect greatly reduces friction, suppresses the generation of frictional heat, greatly improves the seizure load, and reduces damage to the metal.

U20 Standard NDC Metal

- Main metal SET **¥9,340**
- Connecting rod metal SET **¥7,060**

U20 WPC Molybdenum Metal

- Main metal SET **¥17,400**
- Connecting rod metal SET **¥13,280**

U20 Cam TowerSim



The head surface is polished to prevent timing chain deflection and stabilize valve timing.

- Thickness 1.50mm **¥15,000/SET**
- Thickness 1.25mm **¥15,000/SET**
- Thickness 1.00mm **¥15,000/SET**
- Thickness 0.75mm **¥15,000/SET**

U20 Chromoly Rocker Guide



Made of chrome molybdenum steel with excellent wear resistance, and heat treatment is used to prevent damage to the claws! This is a reinforced part that emphasizes safety. **¥1,000/1 piece**

*Set thickness
2.0/2.25/2.50/2.75/3.0/3.25/3.50/3.75
4.0/4.25/4.50/4.75/5.0/5.25/5.5/5.75/6.0/6.25/6.5/6.75/7.0 (mm)

(2.0 to 7.0 mm in 0.25 mm increments)

U20 Reinforced crank pulley bolt



The twisting and bending vibrations of the crankshaft that occur at high revolutions can put a large load on the pulley bolt, causing the bolt to loosen. This can be very dangerous as it can lead to extensive damage such as galling at the tip of the crank, pulley trouble, and oil leaks. The reinforced pulley bolt uses a long bolt and reinforced washer to prevent the bolt from loosening, protecting your precious engine from trouble.

¥4,000

U20 Chromoly Lightweight Flywheel/Bolts



U20 Chromoly Lightweight Flywheel

The most effective way to improve the response of the U20 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.

*For standard clutch **Weight: 5.0kg ¥50,000**

U20 Reinforced Flywheel Bolt SET

The chromium SCM435 material ensures sufficient tensile strength, preventing the bolts from loosening during sports driving or at high revolutions, thereby increasing safety.

Set of 12 **¥12,000**

U20 Large diameter clutchkit (225φ)



U20 High performance type that combines a 225φbig size clutch and a chromium lightweight flywheel, compared to the standard clutch size of 200φ. A high performance clutch kit for the street, with a combination of a clutch cover with a clamping force of 550K and a non-asbestos disc, providing more comfortable operation than the OEM.

- (Updated 2026.04.17)
1. Type A Kit (Approx. horsepower 230ps/estimate) **¥101,600**
 2. Type B Kit (Approx. horsepower 210ps/estimate) **¥96,600**
 3. Type C Kit (Approx. horsepower 190ps/estimate) **¥84,800**

*Type A = Super Disc Type B = Reinforced Non-Asbestos Disc Type C = STD Disc

*You can choose from three types of flywheels: lightweight perforated type (4.3kg) and non-perforated type (4.8kg and 7.0kg).