

# 4K ENGINE TUNING PARTS

## 4K Reinforced clutch & lightweight flywheel SET

(A-type NISMO clutch cover)



We have designed and manufactured a flywheel that can use the clutch cover for Nissan Sunny A instead of the 4K clutch, which is now difficult to obtain. In addition, the clutch disc is made of a lightweight metal disc that is heat-resistant and wear-resistant, and has a small moment of inertia, allowing for quick shifting.

1set ¥115,000

**Set**  
 contents : Flywheel Chromoly lightweight 3.2kg Clutch cover for Nissan A-type (NISMO) with 450k pressure and metal damper Clutch disc

### Single Part

- 4K chromium lightweight flywheel (R type)      ¥54,000
- A-type NISMO clutch cover reused              ¥30,000
- Metal clutch disc with 4K damper                ¥36,000

\*All of these individual parts are exclusive parts for the 4K reinforced clutch kit.  
 Please note that this product is not compatible with other products.

## 4K Camshaft Processing



¥Cam processing  
 cost ¥ 46,000

Action angle	Lift
70°	7.0mm
74°	7.0mm
76°	7.0mm
78°	7.5mm
80°	7.5mm
82°	7.5mm

\*It will take approximately 2-3 weeks to process the genuine camshaft.

Note) Depending on the action angle and central angle, the camshaft base circle may become narrower, causing the valve lifter and the camshaft casting surface to come into contact. In that case, a separate relief machining is required. Relief machining cost: ¥10,000

## 4K plated mechanical hole cover



Specifications: Chrome plated finish  
 Accessories: Gasket and stainless steel bolts  
 Price: ¥5,000

## TOYOTA Engine Service Information

Note: The above information is for standard engines as described in Toyota's maintenance manual. The tightening torque may differ for tuned engines.

### 4K Main part tightening torque

Fastening points	Tightening torque (kg-cm)
Cylinder block      × Cylinder head × Crankshaft bearing cap	540y660
cylinder head      × Manifold × Spark plug × Head cover	200-300 150-200 20-30
Crankshaft      × Flywheel × Crankshaft pulley	540y660 450-650
Connecting rod x connecting rod cap	400 to 520
Camshaft x Camshaft Timing Gear Camshaft thrust plate x cylinder block	540y660 60-90
Chain tensioner No.1 x Cylinder block Chain Damper No.1 x Cylinder Block	60-90 60-90
Valve lock support x cylinder head	180y240
Oil pan      × Cylinder block × Drain plug	{ Straight stud bolts (8 pieces) Step stud bolts (14 pieces)
Timing chain cover x cylinder block Oil pump x cylinder block Oil Filter x Cartridge Guide	6y bolt (1 piece) 8y bolt (7 pieces) 60y90 150 y220 100 to 160 90 to 130