FJ20 ENGINE TUNING PARTS

FJ20 Reinforced valve springs and spring washers







This is a racing valve spring designed to support high lift cams and engine specifications aimed at high revolutions. Strengthening the set load and full load is the most important point in drawing out the otential of the engine. The spring rate has a margin that allows you to select the load according to your purpose, and it can be finetuned by changing the installation length.

1set ÿ19,200

Valve spring washer

When installing a camshaft with a high angle or lift, the valve projection is increased to prevent interference between the valves.

This lengthens the valve spring installation length and weakens the load. This spring washer is used to compensate for the loosened set load.

> •1mm thickness ¥6.400/1set •0.5mm thickness ¥6.400/1set

Valve spring stepped seat (2-stage type/total thickness 2.5mm)

A must-have item for stabilizing the valve spring. Because it is a two-stage type, when using a high cam, the valve guide can be lowered to gain stroke.

FJ20 Reinforced Metal



B Blue (clearance standard)

C Yellow (narrow clearance) D Green (narrow / connecting rod only)

High-strength F112 material, which has a proven track record in endurance patible with high loads and high revolutions, is used. In addition, the high n finish, which has a thickness tolerance of just 5 microns, allows for

ncompromising oil clearance adjustment. Furthermore, the narrow design reduces the contact area, lowering friction loss and improving engine response.

For engine specifications that require particularly high strength, such as race cars and highly tuned cars, we recommend WPC molybdenum-treated products, which have molybdenum disulfide powder directly sprayed onto the metal surface to improve

ÿFJ20 Turbo Narrow width racing metal (shared with L type)

- •FJ20 turbo narrow main metal set ¥15.400
- •FJ20 Turbo Narrow WPC Main Metal Set ¥23,460
- •FJ20 Turbo Narrow WPC Connecting Rod Metal Set ¥15,040

 Can be used with FJ20ET cylinder blocks that have oil arrower in the main metal h

ÿFJ20NA/Turbo shared reinforced metal (standard width)

•FJ20 F780 main metal set •FJ20 F112 connecting rod metal set ¥8.800 •FJ20 WPC F780 main metal set ¥15 040

FJ20 WPC F112 connecting rod metal set
 There are three types of clearance for connecting rod metals (wide, standard, narrow).

FJ20 camshaft processing



¥46,000/1 piece *Normal cam processing fee

it is necessary to machine off the casting surface to create a lifter relief so that the valve lifter does not come into contact with the casting surface

Lifter relief processing ¥10,000/each

FJ20 reinforced valve cap



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SCM435 (Chrome Molybdenum Steel) HRC45-49 Hardened and tempered

Barrel polished 1.25-2.65mm (0.05 unit) Tolerance

FJ20 Lightweight titanium retainer & reinforced valve cotter



Titanium coating enhances wear resistance

Lightweight titanium retainer

(Weight: Titanium 7.5g / Genuine 14.1g) 1 set

ÿ52,000

Reinforced Valve Cotter

Over-revving due to surging or shifting mistakes can cause galling and wear on the valve cotter taper surface. This causes variation in the valve spring set length, which reduces tracking at high revolutions. This reinforced valve cotter has a heat treatment to increase the surface hardness. preventing galling and wear. 1 set ÿ12,600

FJ20 outer clearance cap



adjusting valve clearance is 2.65mm. When using a cam that has been thinned by machining the stock cam, it is possible to adjust the clearance by placing an outer clearance cap on top of the valve cap.

•Thickness (1mm/2mm/3mm) ¥1,700/1 piece

A dimension (tolerance +0.03 -0) A=1.0 A=2.0 A=3.0



DR30 Reinforced Mount



The engine vibrations specific to the FJ20 not only have a egative effect on the engine and carburetor, but also affect the shifting feeling when they are transmitted to the shift lever. This reinforced mount absorbs vibrations appropriately, improves driving stability, and transmits engine power to the drivetrain without loss.

DR30 reinforced engine mount

1SET ÿ24,000

*The engine mount bolt holes on the body side need to be enlarged by about 0.5 mm.

DR30 reinforced transmission mount

¥15,000The use

of reinforced rubber with a hardness 1.5 times that of the genuine product helps to absorb vibrations transmitted to the transmission and

FJ20 Flyhole & Flywheel Bolt



"Clutch size" •FJ20E (225ÿ) •FJ20ET (240ÿ)

The most effective way to make the FJ20 engine more responsive is to reduce the weight of the flywheel. We have and weight to the hymnes. Are have adopted SCM material, which has excellent durability, and designed it to be thin while maintaining high strength. You can choose from two types depending on the application, from the STD type for street use to the R type for racing use

Chromoly lightweight flywheel STD type

ÿ50.000 •FJ20E (weight 4.8kg) •FJ20ET (weight 4.9kg) ÿ50,000

Chromoly lightweight flywheel R type (lightweight hole product) •FJ20E (weight 4.3kg)

•FJ20ET (weight 4.4kg) ¥54 000

While the tightening torque of the genuine bolts is 15kg/m, the ARP reinforced bolts have a tightening strength of 18.5kg/m, preventing the bolts from loosening at high revolutions.

ÿ15,500

FJ20 Super Single Clutch Kit



(Flywheel, disc, cover, sleeve, bearing included)

¥109,800

Specifications: Lightweight flywheel hole type Lightweight machined aluminur cover Clamping force: 1200kg Disc diameter: 225ÿ Total weight: 10.2kg Compatible horsepower: 380ps

FJ20 reinforced clutch kit



FJ20 (240ÿ) Turbo Reinforced Clutch Kit

320ps / Estimated) ¥102,000 (Applicable horsepowe

 Lightweight flywheel + 580k cover + super disc specifications (Approximate) horsepower 300ps / Estimated) Type B ÿ100,000

FJ20NA reinforced clutch kit

(240ÿ)

• Lightweight flywheel + 580kg cover + reinforced non-asbestos disc specifications (Approx. horsepower 280ps / Estimated) Type C ¥95,000

 Lightweight flywheel + 580kg cover + STD non-asbestos disc specification (Applicable horsepower 260ps / Estimated) Type D ¥87,000

*24mm sleeve and bearing set sold separately ¥4,170