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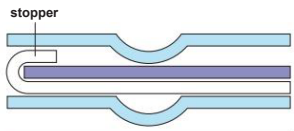
S20 ENGINE PARTS

S20 Metal Head Gasket



*The gasket bore is matched to the size of the combustion chamber. Piston diameter can be selected from the original size.

The stopper type was developed to improve the sealing performance around the combustion chamber. The inner plate is wrapped around the bore in a grommet shape, and the stopper part is overlapped with the outer bead plate, improving the sealing performance with a two-stage structure of the stopper and bead.



Stopper type cross section

G/K bore diameter	Thickness	price
87φ	1.0mm	**¥34,000**
87φ	1.2mm	**¥35,000**
87φ	1.5mm	**¥36,000**
87φ	2.0mm	**¥38,000**

S20 72 degree camshaft



This camshaft can be used for a wide range of purposes, from city driving to sports driving. By combining it with Kameari valve springs, you can maximize performance.

•Cam lift: 9.8mm
•Base circle: 31.5mm

price: **¥144,000** /1 piece

Note: Please use Kameari Reinforced Valve S/P + Lightweight Retainer Set. OEM springs cannot be used.

S20 75 degree camshaft



This camshaft can be used for a wide range of purposes, from city driving to sports driving. By combining it with Kameari valve springs, you can maximize performance.

•Cam lift: 9.8mm
•Base circle: 31.5mm

price: **¥144,000** /1 piece

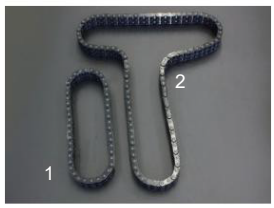
Note: Please use Kameari Reinforced Valve S/P + Lightweight Retainer Set. OEM springs cannot be used.

S20 slide cam sprocket gear



Manufacturing method	Machined (high-definition finish)
Material	Chromium molybdenum steel
Bolt	M6 Chromoly flange bolts
Heat treatment + Surface treatment	Heat treated + Nitrided (sprocket)
	Heat treated + Black dye (plate)
Slide width	28° (+14° -14°)
adjustment memory	1 scale 2 degree intervals
price	**¥18,000** /1 piece

S20 reinforced timing chain



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

Reinforced oil pump chain 1

price: **¥8,000**

Reinforced timing chain 2

price: **¥18,000**

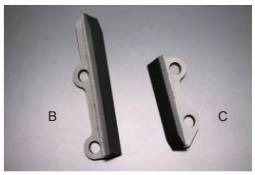
S20 Chain stopper



Reinforced Chain Stopper A

price: **¥12,000**

Reinforced type with measures against rubber wear and arm cracks.



Chain stopper B

price: **¥12,000**

Chain stopper C

price: **¥12,000**

S20 cam bearing set



This is an overhaul part that you should definitely replace to ensure accurate camshaft operation.

price: **¥17,800**
(Updated 2026.11.02)

S20 Tensioner



All components have been replaced with reinforced parts. In addition, the plate rivets have been eliminated and the design has been changed to a disassembly type, making it easier to overhaul.

price: **¥30,000**

S20 Type-R2 Combination S/P SET (Type-R2 Valve S/P + Lightweight Retainer+ S/P Seat)

This is a full-fledged Type-R2 combination set that has established the most effective single design for light weight. Two types of IN and EX loads are set to be most suitable for the IN and EX environments with different valve seat diameters and weights. This minimizes friction loss, provides the necessary full load, and enables high power and high rotation.

Type-R2 Combination S/P Chromoly Retainer SET

price **¥98,000** /SET



Set contents
Chromoly retainer (14.3g)
Valve spring stepped seat
Type-R2 intake valve spring
Type-R2 exhaust valve spring

Type-R2 Combination S/P Titanium Retainer SET

price **¥124,000** /SET



Set contents
Titanium retainer (8.1g)
Valve spring stepped seat
Type-R2 intake valve spring
Type-R2 exhaust valve spring

S20 Type-R2 Valve Spring Specifications List

Item	[Intake S/P] Within	[Exhaust S/P] Within
Applicable cam lift (mm)	10.5 High	10.5 High
Material	strength Si-Cr	strength Si-Cr
Wire diameter (mm)	φ4.0	φ4.0
Total number of turns	6.97	6.93
Free length (mm)	45.91	44.83
Installation length (mm)	38	38
Set load (kgf)	31.0	27.0
9mm lift load (Kgf)	75.1	72.2
9.5mm lift load (Kgf)	77.5	74.7
10mm lift load (Kgf)	80.0	77.2
10.5mm lift load (Kgf)	82.5	79.7
Contact length (mm)	26.6 or less	26.4 or less
Weight (g)	46.0	45.1
Identification color	Yellow	Orange
Wire pitch	Uneven pitch	Uneven pitch
Shot peening	Installation	Installation
Low temperature carbonitriding treatment	Installation	Installation
Anti-sag treatment	Installation	Installation

*The listed price is the base price. Consumption tax will be added separately.

KAMEARI