4AG ENGINE TUNING PARTS

	Forged and
	machined,
Manufacturing	high compression,
method Type	ÿ81.5-83.0,
Piston	ÿ20×46mm, 30.5mm
diameter Pin diameter x	1.0x1.0x2.0mm big
length Pin height	valve compatible High
Piston ring thickness	cam compatible
Valve recess	70g
diameter Valve recess depth	Piston weight

	4AG modified 1606cc	4AG modified 1626cc	4AG modified 1646cc	4AG modified 1666cc
Piston diameter	ÿ81.5	ÿ82.0	ÿ82.5	ÿ83.0
Recommended gasket inner	ÿ82.5	ÿ82.5	ÿ83.5	ÿ83.5
diameter Compression ratio	11.75	11.88	11.98	12.12
(at 0.8mm) Compression ratio	11.45	11.58	11.67	11.80
(at 1.0mm) Compression ratio	11.17	11.29	11.38	11.50

(at 1.2mm) *Calculated based on standard head volume of 36cc, no surface grinding.

4AG Metal Head Gasket (16V)

Bore diameter	Thickness	Price
82.5ÿ	0.8mm	¥18,000
82.5ÿ	1.0mm	¥18,000
82.5ÿ	1.2mm	¥19,000
82.5ÿ	1.5mm	¥22,000
82.5ÿ	2.0mm	¥24,000
83.5ÿ	0.8mm	¥20,000
83.5ÿ	1.0mm	¥20,000
83.5ÿ	1.2mm	¥21,000
83.5 ÿ		¥23,000
83.5 ÿ		
	1.5mm	
	2.0mm	¥26,000

ÿ Bead type metal head gasket

This bead-type head gasket secures surface pressure by providing press-formed beads around the combustion chamber and water and oil holes, which require high sealing performance. 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
82.5ÿ	0.8mm	¥26,000
82.5ÿ	1.0mm	¥26,000
82.5ÿ	1.2mm	¥26,000
82.5ÿ	1.5mm	¥27,000

ÿ Stopper type metal head gasket

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 the bead.

4AG reinforced head stud bolt

This is a stud type head bolt designed by ARP, an American company. It has a strength standard of 200,000 PSI, and ensures sufficient tensile strength. In addition, the use of stud bolts reduces the deformation of the cylinder bore caused by tightening the head bolts by half, and stabilizes the piston clearance.

•For 16v ¥28,500
•For 20v ¥38,000

4AG reinforced main stud bolt

This is a stud type main bolt designed by ARP, an American company. Its sufficient tensile strength suppresses crank vibration at high revolutions, enabling 4AG engines to rotate at high speeds. In addition, the use of stud bolts minimizes housing deformation caused by increased tightening force of the main bolts, and reduces the adverse effects on metal clearance.

•16v/20v shared ÿ26,000

4AG Reinforced flywheel bolts

ARP (USA) Strength
standard: 200,000psi
Tightening torque: 1300 N•m

ÿ10,500

4AG Reinforced connecting rod bolt (9MM)

Made by ARP (USA) -
A full-fledged reinforced bolt with
torque and elongation
control! *Includes molybdenum paste for assembly

•16v/20v shared ÿ15,500

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

KAMEARI