Machine Translated by Google Engine Machining

ÿ Full crankshaft processing



Tutting + bending correction single key processing Precision balance tutted product wrapping Total									
•Inline 4	¥28,000	¥14,000	¥14,000	¥25,000	¥81,000				
 Straight 6 	¥30,000	¥14,000	¥17,000	¥36,000	¥97,000				

(Tuft processing + bending correction + single key processing + precision balancing + wrapping) •Straight 4 W81,000 •Straight 6 W97,000 ÿ Crankshaft wrapping



 Journal & pin wrapping (non-tufted items) #320ÿ#400ÿBlue bar finish!

 Journal & pin wrapping (tufted items) #240ÿ#320ÿ#400ÿBlue bar finish!

The crankshaft is wrapped in the smallest amount possible to minimize the effect on oil clearance. The product is finished by carefully measuring with a micrometer to ensure that there is no deviation in cylindricity or roundness By wrapping the crank surface, which places a large load on the metal, with high precision, It reduces damage, reduces friction loss, and improves engine durability.

Crankshaft Machining		4 cylinder	6 cylinder	remarks
		price	price	Terridiks
Key processing for one		14,000	14,000	By using only one key, pulley problems can be prevented.
crank Crank bend correction		11,000	11,000	It took time to correct the bend to within 2/100.
Crank weight lightweight processing		28,000	36,000	Lighter weight for improved response!
Crank tuft processing (including bending correction)	One	28,000	30,000	Heat treatment to improve wear resistance. Lapping is required after treatment.
Crank rear end shortening (L type)	One	16,500	16,500	Offsets the F/W mounting surface to reduce crank vibration. Starter motor collar required.
Crank knock pin processing (1 piece)	One	16,000	16,000	Measures to prevent F/W bolts from loosening. Knock pins are pressed in using the same process as the F/W.
Crank knock pin processing (2 pieces)	One	24,000	24,000	ÿ
Crank knock pin processing (3 pieces)		27,000	27,000	ÿ
Crank pin undersize grinding		40,000	52,600 (child	side) Polishing and correcting undersizing of crank due to metal trouble, etc.
Crank journal undersize grinding	One	30,000	44,200 (Pa	rent side) Same
Crank pin & journal undersize grinding	One	47,800	67,800 (pa	rent and child) Same
Crank thrust surface undersize grinding	One	15,000	15,000 Polishin	g of damaged thrust surface. Simultaneous processing with journal polishing.
Crank journal and pin wrapping (non-tufted)		19,000	27,000 #32	0 ÿ #400 ÿ Blue bar finish! (Wrapping amount is within 1/100)
Crank journal and pin wrapping (tufted product)		25,000	36,000 #24	0 ÿ #320 ÿ #400 ÿ Blue bar finish! (Wrapping amount is within 1/100)

ÿBolt O/S + Crank housing line boring



*An essential item for absorbing crank vibrations! Changed the stock 10mm bolt to a 12mm chromoly bolt. Then tighten it with a tightening both that is approximately twice as large as the bolt. The caps are cut into perfect circles, cylinders, and caps by line boring. The connection has been corrected from every direction to make it even smoother. This provides a smooth rotational motion.

L6 ¥115,000

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

ÿDummy crank center boring for rective U Conventional cylinder boring involves centerine (crastioning) from a nor This is usually caused by the use of a dummy bead. Although the distortion can be corrected, the variation in bor position the occurred antiger it cannot be fixed. Center boring with a dummy practs Cylinder bore center position, vertical, parallel, bore polich no, the torus of This is the ultimate racing bowling that allows you to get more than the vertical of this site ultimate racing bowling that allows you to get more than the site of the site of

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CVID C Paulos M treatment

The bit Second drament mature to the transvery time 5-100 half-one phosphatebased insoluble film on the method but, 40 the cylinder, aimbag to significantly increase durability durit times the way for grandmose and abilitization of compression present in particular, fill film 0 harder and fore wear-resistant than various chemical basing of e.g. and the phosphate costings), and unlike chemical costings such as ("two phate productions", even phosphate costings), and unlike chemical costings such as ("two phate productions", even phosphate costings), and unlike chemical costings such as ("two phate productions", even phosphate costings), and unlike chemical costings such as ("two phate productions", even phosphate costings), and unlike chemical costings such as ("two phate productions", even phosphate, even phosphate Stituce the goaling is generated, the effect can be maintained for a long time without peeling off. Also, since the processing temperature is low at 100 degrees Celsius or less, the matterial is not obviscally channed by heat.

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Cylinder block processing		4-cylinder	6-cylinder		
, 1 5	unit	price	price	remarks	
Cylinder boring		34,000	49,000	Optimal piston clearance and high-precision honing finish according to the intended use.	
Dummy head use surcharge		8,000	12,000	By using a dummy head, the tightening distortion of the head bolt can be canceled.	
L-type dummy crank center boring		55,000	70,000	The crank center and bore pitch can be corrected by centering from a dummy crank.	
Cylinder block top surface minimum grinding		17,000	19,000	Repaired scratches and corrosion on the top surface of the block (to prevent head gate lock from coming loose).	
Cylinder block bottom surface minimum		17,000	19,000 Fix	19,000 Fixed the step caused by line boring.	
grinding Sleeve insertion boring (sleeve manufacturing)		132,000	198,000	For repairing holes etc., the top surface needs to be ground.	
Sleeve insert boring (sleeve production)		35,000	35,000	ÿ	
Cylinder Palphos M treatment		40,000	48,000	A 5 to 10ÿ hard film is applied to the metal surface, improving wear resistance by four times.	
L-type crank cap bolt O/S processing		35,000	45,000	M12 chrome-moly bolts included/tightening torque 10k. Line boring required!	
L-type crank housing line boring		50,000	70,000 Cra	nk housing modification. (affects friction loss and metal durability)	
Metal knock groove processing		3,800	3,800	Re-cutting the knock groove when using metal from another model.	
L-type block water pressure testing		20,000	20,000	Check for cracks and pinholes using water pressure of about 3K to 5K to check for leaks.	
L-head bolt thread reinforcement		33,600	47,000	The damaged head bolt holes were repaired by inserting helical inserts.	
L-shaped chain guide O/S processing (M6 to M8!)		3,300	3,300	The chain guide is secured in place by increasing the size of the mounting bolts. (Bolts not included)	
Oil clearance measurement (metal alignment)		23,000	30,000	Measure your housing and crank size and select the best metal size!	
L-shaped oil strainer processing (FÿR)			35,000	Block processing when using a Skyline engine in a Fairlady Z.	
L-shaped oil strainer processing (RÿF)			25,000	Block processing when using a Fairlady Z engine in a Skyline.	
Cylinder Honing		5,000	5,000 Fine	-tuning the clearance when replacing pistons of the same size.	

*Please contact us for the setting of dummy head and dummy crank. Prices for V-type and horizontally opposed engines are different, so please contact us.

