

Kubota® V3300, V3600, V3800 Head Gasket Replacement & Selection



Kubota V3300, V3600 & V3800 Tier 2 and Tier 3 engines require that the proper thickness head gasket is installed. Failure to select the proper head gasket may lead to engine damage or an engine lacking power. Reliance Power Parts offers the following information to aid in selecting the proper head gasket for these engines.

Head Gasket Replacement

It is recommended during engine disassembly to carefully remove the head gasket and save it for reference. The head gasket includes an area that is used to determine which gasket is installed.

1. Make note of the notch mark (a), (b) or (c) of cylinder head gasket (Figure 1) in advance.
2. If you do not replace piston(s), piston pin bushing, connecting rod, rod bearings, or main bearings, replace the same notch mark (a), (b) or (c) as the original cylinder head gasket.

Head Gasket Selection

Select the cylinder head gasket thickness to meet with the top clearance if replacing the piston(s), piston pin bushing, connecting rod, rod bearings, or main bearings.

1. Measure the piston head's protrusion (+) recession (-) from the crankcase cylinder face (4 spots per each piston and average of four pistons) as shown in figure 2 using a dial gauge measuring within .500" (12.700 mm).
2. Select the suitable cylinder head gasket by referring to the table matching your engine model on page 2.

Head Gasket Notch Mark

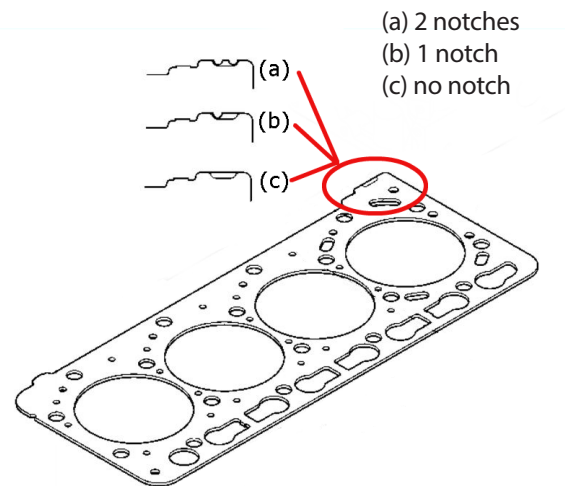


Figure 1.

Piston Measuring Points

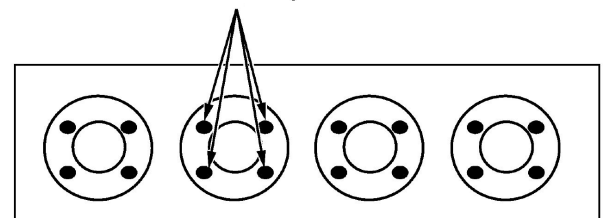


Figure 2.

V3300-E2B, V3300-E3BG

NOTCH OF CYLINDER HEAD GASKET	THICKNESS OF CYLINDER HEAD GASKET		RELIANCE PART #	PISTON HEAD'S PROTRUSION OR RECESSON FROM THE LEVEL OF CRANKCASE CYLINDER FACE. (AVERAGE OF 4 PISTONS)
	BEFORE TIGHTENING	AFTER TIGHTENING		
2 notches	0.90 mm	0.80 mm	61C020-0331	-0.070 to +0.049 mm
	0.0345 in.	0.0315 in.		-0.0027 to +0.0019 in.
1 notch	1.00mm	0.90 mm	61C020-0360	+0.0500 to +0.149 mm
	0.0394 in.	0.0354 in.		+0.00197 to +0.00586 in.
No notch	1.05 mm	0.95 mm	61C020-0361	+0.150 to + 0.200 mm
	0.0413 in.	0.0374 in.		+0.00591 to +0.00787 in.

V3300-T-E2B

NOTCH OF CYLINDER HEAD GASKET	THICKNESS OF CYLINDER HEAD GASKET		RELIANCE PART #	PISTON HEAD'S PROTRUSION OR RECESSON FROM THE LEVEL OF CRANKCASE CYLINDER FACE. (AVERAGE OF 4 PISTONS)
	BEFORE TIGHTENING	AFTER TIGHTENING		
2 notches	0.90 mm	0.80 mm	61C020-0331	-0.270 to -0.151 mm
	0.0345 in.	0.0315 in.		-0.0110 to -0.0059 in.
1 notch	1.00mm	0.90 mm	61C020-0360	-0.150 to -0.051 mm
	0.0394 in.	0.0354 in.		-0.0059 to -0.020 in.
No notch	1.05 mm	0.95 mm	61C020-0361	-0.050 to 0 mm
	0.0413 in.	0.0374 in.		-0.0019 to 0 in.

V3600-E3B, V3600-T-E3B, V3600-E3CB, V3600-T-E3CB, V3600-T-E3BG

NOTCH OF CYLINDER HEAD GASKET	THICKNESS OF CYLINDER HEAD GASKET		RELIANCE PART #	PISTON HEAD'S PROTRUSION OR RECESSON FROM THE LEVEL OF CRANKCASE CYLINDER FACE. (AVERAGE OF 4 PISTONS)
	BEFORE TIGHTENING	AFTER TIGHTENING		
2 notches	0.90 mm	0.80 mm	61C020-0331	-0.301 to -0.420 mm
	0.0345 in.	0.0315 in.		-0.0118 to -0.0165 in.
1 notch	1.00mm	0.90 mm	61C020-0360	-0.201 to -0.300 mm
	0.0394 in.	0.0354 in.		-0.00791 to -0.0018 in.
No notch	1.05 mm	0.95 mm	61C020-0361	-0.150 to -0.200 mm
	0.0413 in.	0.0374 in.		-0.00591 to -0.00787 in.

V3800DI-T-E3B, V3800DI-T-E3CB, V3800DI-T-E3BG

NOTCH OF CYLINDER HEAD GASKET	THICKNESS OF CYLINDER HEAD GASKET		RELIANCE PART #	PISTON HEAD'S PROTRUSION OR RECESSON FROM THE LEVEL OF CRANKCASE CYLINDER FACE. (AVERAGE OF 4 PISTONS)
	BEFORE TIGHTENING	AFTER TIGHTENING		
2 notches	0.90 mm	0.80 mm	61G514-0331	-0.07 to +0.049 mm
	0.035 in.	0.031 in.		-0.0028 to +0.0019 in.
1 notch	1.00mm	0.90 mm	61G514-0360	+0.050 to +0.149 mm
	0.0394 in.	0.035 in.		+0.0020 to +0.0058 in.
No notch	1.05 mm	0.95 mm	61G514-0361	+0.150 to + 0.20 mm
	0.0413 in.	0.037 in.		+0.0059 to +0.0078 in.