

KZ650 Valve Lash / Shim Chart

Remember, the valve clearance must be measure when the engine is cold.

VALVE ADJUSTMENT CHART

PART NUMBER 12037		PRESENT SHIM SIZE																										
MILLIMETERS		076	077	078	079	080	081	082	083	084	085	086	087	088	089	090	091	092	093	094	095	096	097	098	099	100		
0.00 ~ 0.03	0.04 ~ 0.08				2.00	2.05	2.10	2.15	2.20	2.25	2.30	2.35	2.40	2.45	2.50	2.55	2.60	2.65	2.70	2.75	2.80	2.85	2.90	2.95	3.00	3.05	3.10	3.15
0.08 ~ 0.18 mm					2.00	2.05	2.10	2.15	2.20	2.25	2.30	2.35	2.40	2.45	2.50	2.55	2.60	2.65	2.70	2.75	2.80	2.85	2.90	2.95	3.00	3.05	3.10	3.15
0.23 ~ 0.27	0.28 ~ 0.32	2.05	2.10	2.15	2.20	2.25	2.30	2.35	2.40	2.45	2.50	2.55	2.60	2.65	2.70	2.75	2.80	2.85	2.90	2.95	3.00	3.05	3.10	3.15	3.20			
0.33 ~ 0.37	0.38 ~ 0.42	2.15	2.20	2.25	2.30	2.35	2.40	2.45	2.50	2.55	2.60	2.65	2.70	2.75	2.80	2.85	2.90	2.95	3.00	3.05	3.10	3.15	3.20					
0.43 ~ 0.47	0.48 ~ 0.52	2.25	2.30	2.35	2.40	2.45	2.50	2.55	2.60	2.65	2.70	2.75	2.80	2.85	2.90	2.95	3.00	3.05	3.10	3.15	3.20							
0.53 ~ 0.57	0.58 ~ 0.62	2.35	2.40	2.45	2.50	2.55	2.60	2.65	2.70	2.75	2.80	2.85	2.90	2.95	3.00	3.05	3.10	3.15	3.20									
0.63 ~ 0.67	0.68 ~ 0.72	2.40	2.45	2.50	2.55	2.60	2.65	2.70	2.75	2.80	2.85	2.90	2.95	3.00	3.05	3.10	3.15	3.20										
0.73 ~ 0.77	0.78 ~ 0.82	2.45	2.50	2.55	2.60	2.65	2.70	2.75	2.80	2.85	2.90	2.95	3.00	3.05	3.10	3.15	3.20											
0.83 ~ 0.87	0.88 ~ 0.92	2.50	2.55	2.60	2.65	2.70	2.75	2.80	2.85	2.90	2.95	3.00	3.05	3.10	3.15	3.20												
0.93 ~ 0.97	0.98 ~ 1.02	2.55	2.60	2.65	2.70	2.75	2.80	2.85	2.90	2.95	3.00	3.05	3.10	3.15	3.20													
1.03 ~ 1.07	1.08 ~ 1.12	2.60	2.65	2.70	2.75	2.80	2.85	2.90	2.95	3.00	3.05	3.10	3.15	3.20														
1.13 ~ 1.17	1.18 ~ 1.22	2.65	2.70	2.75	2.80	2.85	2.90	2.95	3.00	3.05	3.10	3.15	3.20															
1.23 ~ 1.27	1.28 ~ 1.32	2.70	2.75	2.80	2.85	2.90	2.95	3.00	3.05	3.10	3.15	3.20																
1.33 ~ 1.37		2.75	2.80	2.85	2.90	2.95	3.00	3.05	3.10	3.15	3.20																	

VALVE CLEARANCE		SPECIFIED CLEARANCE/NO CHANGE REQUIRED																										
0.00 ~ 0.03	0.04 ~ 0.08				2.00	2.05	2.10	2.15	2.20	2.25	2.30	2.35	2.40	2.45	2.50	2.55	2.60	2.65	2.70	2.75	2.80	2.85	2.90	2.95	3.00	3.05	3.10	3.15
0.08 ~ 0.18 mm					2.00	2.05	2.10	2.15	2.20	2.25	2.30	2.35	2.40	2.45	2.50	2.55	2.60	2.65	2.70	2.75	2.80	2.85	2.90	2.95	3.00	3.05	3.10	3.15
0.23 ~ 0.27	0.28 ~ 0.32	2.05	2.10	2.15	2.20	2.25	2.30	2.35	2.40	2.45	2.50	2.55	2.60	2.65	2.70	2.75	2.80	2.85	2.90	2.95	3.00	3.05	3.10	3.15	3.20			
0.33 ~ 0.37	0.38 ~ 0.42	2.15	2.20	2.25	2.30	2.35	2.40	2.45	2.50	2.55	2.60	2.65	2.70	2.75	2.80	2.85	2.90	2.95	3.00	3.05	3.10	3.15	3.20					
0.43 ~ 0.47	0.48 ~ 0.52	2.25	2.30	2.35	2.40	2.45	2.50	2.55	2.60	2.65	2.70	2.75	2.80	2.85	2.90	2.95	3.00	3.05	3.10	3.15	3.20							
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0.73 ~ 0.77	0.78 ~ 0.82	2.45	2.50	2.55	2.60	2.65	2.70	2.75	2.80	2.85	2.90	2.95	3.00	3.05	3.10	3.15	3.20											
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1.13 ~ 1.17	1.18 ~ 1.22	2.65	2.70	2.75	2.80	2.85	2.90	2.95	3.00	3.05	3.10	3.15	3.20															
1.23 ~ 1.27	1.28 ~ 1.32	2.70	2.75	2.80	2.85	2.90	2.95	3.00	3.05	3.10	3.15	3.20																
1.33 ~ 1.37		2.75	2.80	2.85	2.90	2.95	3.00	3.05	3.10	3.15	3.20																	

INSTALL THIS SHIM

- Align the sprocket mark with the cylinder head surface, and measure the clearance (cold).
- Check present shim size.
- Match clearance in vertical column with present shim size in horizontal column.
- Select one of the shims specified where the lines intersect. Either shim will give you the proper clearance.

NOTE: If there is no clearance between the valve lifter and the cam, select a shim which is several sizes smaller and then remeasure the clearance.

CAUTION: 1. Do not put shim stock under the shim. This may cause the shim to pop out at high rpm, causing extensive engine damage.
2. Do not grind the shim. This may cause it to fracture, causing extensive engine damage.
3. Check the valve clearance with the proper method in the text. Checking the clearance at any other cam position may result in improper valve clearance.