

200 APPENDIX

VALVE INSTALLED HEIGHT PROCEDURE TABLE

Measurement		Probable Cause	Recommendation	
Inlet	Exhaust			
Less than 39.68 mm	Less than 40.68 mm	Valve stem ground previously	1. Check to be sure Dimension "A" is at least 4.7 mm. See CAUTION, Pg. 124. 2. Interchange valve to deeper cut valve seat. Remeasure. 3. Grind valve face to drop it further into valve seat. Remeasure. 4. Replace valve. Remeasure.	
39.68~39.72mm	40.68-40.72 mm	Normal/acceptable	Assemble with this shim:	After checking valve clearance, final shim may be in this range:
			3.00 mm	3.00-3.40 mm
39.73-39.77	40.73-40.77		2.95	2.95-3.40
39.78~39.82	40.78-40.82		2.90	2.90-3.35
39.83~39.87	40.83-40.87		2.85	2.85-3.30
39.88~39.92	40.88-40.92		2.80	2.80-3.25
39.93~39.97	40.93-40.97		2.75	2.75-3.20
39.98~40.02	40.98-41.02		2.70	2.70-3.15
40.03-40.07	41.03-41.07		2.65	2.65-3.10
40.08~40.12	41.08-41.12		2.60	2.60-3.05
40.13~40.17	41.13-41.17		2.55	2.55-3.00
40.18~40.22	41.18-41.22 -		2.50	2.50-2.95
40.23~40.27	41.23-41.27		2.45	2.45-2.90
40.28~40.32	41.28-41.32		2.40	2.40-2.85
40.33-40.37	41.33-40.37		2.35	2.35-2.80
40.38~40.42	41.38-41.42		2.30	2.30-2.75
40.43~40.47	41.43-41.47		2.25	2.25-2.70
40.48~40.52	41.48-41.52	2.20	2.20-2.65	
40.53~40.57	41.53-41.57	2.20	2.20-2.60	
40.58~41.07mm	41.58~42.07mm	Wear or grinding of valve face and valve seat allowed valve to drop too far into valve seat.	1. Interchange valve to shallowest cut valve seat. Remeasure. 2. Grind 0.5 mm maximum off valve stem. See CAUTION, Pg. 124. Remeasure.	
More than 41.07 mm	More than 42.07 mm	Valve face and valve seat worn out or excessively ground.	1. Replace valve. Remeasure. 2. Replace cylinder head. Remeasure.	