

VALVE CLEARANCE ADJUSTMENT CHART  
EXHAUST VALVE

VALVE CLEARANCE MEASUREMENT	PRESENT SHIM																	Example				
	PART No. (92180-)	1014	1016	1018	1020	1022	1024	1026	1028	1030	1032	1034	1036	1038	1040	1042	1044	1046	1048	1050	1052	1054
THICKNESS (mm)		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	3.25	3.30	3.35	3.40	3.45	3.50
0.00~0.04					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	3.25	3.30	3.30
0.05~0.09				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	3.25	3.30	3.30	3.35
0.10~0.14			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	3.25	3.30	3.35	3.40	3.40
0.15~0.19	SPECIFIED CLEARANCE/NO CHANGE REQUIRED																					
0.20~0.24																						
0.25~0.29	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	3.25	3.30	3.35	3.40	3.45	3.50	3.50	3.50
0.30~0.34	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	3.25	3.30	3.35	3.40	3.45	3.50			
0.35~0.39	2.65	2.70	2.75	2.80	2.85	2.90	2.95	3.00	3.05	3.10	3.15	3.20	3.25	3.30	3.35	3.40	3.45	3.50				
0.40~0.44	2.70	2.75	2.80	2.85	2.90	2.95	3.00	3.05	3.10	3.15	3.20	3.25	3.30	3.35	3.40	3.45	3.50					
0.45~0.49	2.75	2.80	2.85	2.90	2.95	3.00	3.05	3.10	3.15	3.20	3.25	3.30	3.35	3.40	3.45	3.50						
0.50~0.54	2.80	2.85	2.90	2.95	3.00	3.05	3.10	3.15	3.20	3.25	3.30	3.35	3.40	3.45	3.50							
0.55~0.59	2.85	2.90	2.95	3.00	3.05	3.10	3.15	3.20	3.25	3.30	3.35	3.40	3.45	3.50								
0.60~0.64	2.90	2.95	3.00	3.05	3.10	3.15	3.20	3.25	3.30	3.35	3.40	3.45	3.50									
0.65~0.69	2.95	3.00	3.05	3.10	3.15	3.20	3.25	3.30	3.35	3.40	3.45	3.50										
0.70~0.74	3.00	3.05	3.10	3.15	3.20	3.25	3.30	3.35	3.40	3.45	3.50											
0.75~0.79	3.05	3.10	3.15	3.20	3.25	3.30	3.35	3.40	3.45	3.50												
0.80~0.84	3.10	3.15	3.20	3.25	3.30	3.35	3.40	3.45	3.50													
0.85~0.89	3.15	3.20	3.25	3.30	3.35	3.40	3.45	3.50														
0.90~0.94	3.20	3.25	3.30	3.35	3.40	3.45	3.50															
0.95~0.99	3.25	3.30	3.35	3.40	3.45	3.50																
1.00~1.04	3.30	3.35	3.40	3.45	3.50																	
1.05~1.09	3.35	3.40	3.45	3.50																		
1.10~1.14	3.40	3.45	3.50																			
1.15~1.19	3.45	3.50																				
1.20~1.24	3.50																					

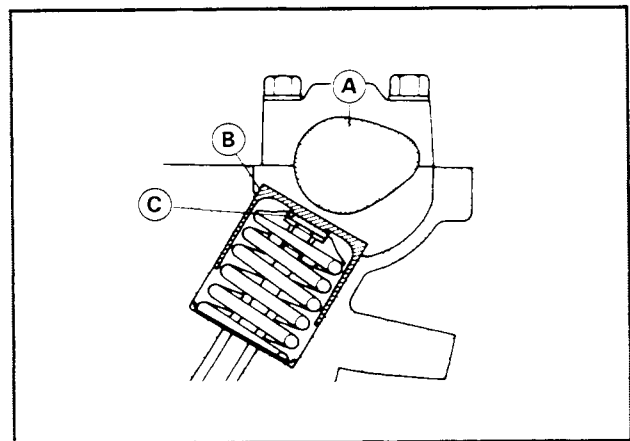
INSTALL THE SHIM OF THIS THICKNESS (mm)

1. Measure the clearance (with engine cold).
2. Check present shim size.
3. Match clearance in vertical column with present shim size in horizontal column.
4. Install the shim specified where the lines intersect. This shim will give the proper clearance.

**Example:**

Present shim is 2.55 mm.  
Measured clearance is 0.42 mm.  
Replace 2.55 mm shim with 2.75 mm shim.

5. Remeasure the valve clearance and readjust if necessary.



[A] Cam  
[C] Shim

[B] Valve Lifter

**CAUTION**

Be sure to remeasure the clearance after selecting a shim according to the table. The clearance can be out of the specified range because of the shim tolerance.

**NOTE**

○ If the valve clearance is smaller (larger) than the standard, select a thinner (thicker) shim and then measure the clearance again.

## VALVE CLEARANCE ADJUSTMENT CHART INLET VALVE

		PRESENT SHIM														Example							
PART No. (92180-)		1014	1016	1018	1020	1022	1024	1026	1028	1030	1032	1034	1036	1038	1040	1042	1044	1046	1048	1050	1052	1054	
THICKNESS (mm)		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	3.25	3.30	3.35	3.40	3.45	3.50	
VALVE CLEARANCE MEASUREMENT	0.00~0.04				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	3.25	3.30	3.35	
	0.05~0.09			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	3.25	3.30	3.35	3.40	
	0.10~0.14	SPECIFIED CLEARANCE/NO CHANGE REQUIRED																					
	0.15~0.19	SPECIFIED CLEARANCE/NO CHANGE REQUIRED																					
	0.20~0.24	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	3.25	3.30	3.35	3.40	3.45	3.50		
	0.25~0.29	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	3.25	3.30	3.35	3.40	3.45	3.50			
	0.30~0.34	2.65	2.70	2.75	2.80	2.85	2.90	2.95	3.00	3.05	3.10	3.15	3.20	3.25	3.30	3.35	3.40	3.45	3.50				
	0.35~0.39	2.70	2.75	2.80	2.85	2.90	2.95	3.00	3.05	3.10	3.15	3.20	3.25	3.30	3.35	3.40	3.45	3.50					
	0.40~0.44	2.75	2.80	2.85	2.90	2.95	3.00	3.05	3.10	3.15	3.20	3.25	3.30	3.35	3.40	3.45	3.50						
	0.45~0.49	2.80	2.85	2.90	2.95	3.00	3.05	3.10	3.15	3.20	3.25	3.30	3.35	3.40	3.45	3.50							
	0.50~0.54	2.85	2.90	2.95	3.00	3.05	3.10	3.15	3.20	3.25	3.30	3.35	3.40	3.45	3.50								
	0.55~0.59	2.90	2.95	3.00	3.05	3.10	3.15	3.20	3.25	3.30	3.35	3.40	3.45	3.50									
	0.60~0.64	2.95	3.00	3.05	3.10	3.15	3.20	3.25	3.30	3.35	3.40	3.45	3.50										
	0.65~0.69	3.00	3.05	3.10	3.15	3.20	3.25	3.30	3.35	3.40	3.45	3.50											
	0.70~0.74	3.05	3.10	3.15	3.20	3.25	3.30	3.35	3.40	3.45	3.50												
	0.75~0.79	3.10	3.15	3.20	3.25	3.30	3.35	3.40	3.45	3.50													
	0.80~0.84	3.15	3.20	3.25	3.30	3.35	3.40	3.45	3.50														
	0.85~0.89	3.20	3.25	3.30	3.35	3.40	3.45	3.50															
	0.90~0.94	3.25	3.30	3.35	3.40	3.45	3.50																
0.95~0.99	3.30	3.35	3.40	3.45	3.50																		
1.00~1.04	3.35	3.40	3.45	3.50																			
1.05~1.09	3.40	3.45	3.50																				
1.10~1.14	3.45	3.50																					
1.15~1.19	3.50																						

INSTALL THE SHIM OF THIS THICKNESS (mm)

1. Measure the clearance (with engine cold).
2. Check present shim size.
3. Match clearance in vertical column with present shim size in horizontal column.
4. Install the shim specified where the lines intersect.  
This shim will give the proper clearance.

#### Example:

Present shim is **2.65 mm**.

Measured clearance is **0.35 mm**.

Replace **2.65 mm** shim with **2.85 mm** shim.

5. Remeasure the valve clearance and readjust if necessary.

#### CAUTION

Be sure to remeasure the clearance after selecting a shim according to the table. The clearance can be out of the specified range because of the shim tolerance.