

# PISTON BUYER'S GUIDE

Cylinder Wall Clearance is showing Total Diameter, not one side.  
EX: -0.04 (Total) / 2 = -0.02 (one side)



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RED = NEW INFORMATION

NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT							PISTON DIAMETER MEASURING POINT EXPLANATION						
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm	mm	mm	mm	OIL1	DIA.	inch	inch	inch	inch	inch	
		inch	inch	inch	inch	OIL2	mm	MID	MID	MID	MID	MID	
11-105	4	74.000	57.70	27.70	-	1.50	62.00	YELLOW:	73.9775	74.2275	74.4775	74.7275	74.9775
		2.913	2.272	1.091		0.059	0.059		2.441	2.91250	2.92234	2.93219	2.94203
PISTON RING #		Total Clearance				1.50		RED:	73.9675	74.2175	74.4675	74.7175	74.9675
		mm	inch			0.059			2.91211	2.92195	2.93179	2.94163	2.95148
SWH30114		-0.04	-0.00157			4.00	17.00	BLUE:	73.9625	74.2125	74.4625	74.7125	74.9625
						0.157	0.669		2.91191	2.92175	2.93159	2.94144	2.95128
				Cir Clip				GREEN:	73.9725	74.2225	74.4725	74.7225	74.9725
				NONE		SURFACE TREATMENT		REMARKS:					
				C17		NONE		Measure for CYL Clearance: 10.00 mm from Bottom of Skirt.					
								Clearance: 0.394 inch					
PAGE #		157						74.000 Tolerance is +/- (mm   inch): 0.0025 0.00010					
11-106	4	74.000	62.70	27.70		1.50	62.00	YELLOW:	73.9775	74.2275	74.4775	74.7275	74.9775
		2.913	2.469	1.091		0.059	0.059		2.441	2.91250	2.92234	2.93219	2.94203
PISTON RING #		Total Clearance				1.50		RED:	73.9675	74.2175	74.4675	74.7175	74.9675
		mm	inch			0.059			2.91211	2.92195	2.93179	2.94163	2.95148
SWH30114		-0.04	-0.00157			4.00	17.00	BLUE:	73.9625	74.2125	74.4625	74.7125	74.9625
						0.157	0.669		2.91191	2.92175	2.93159	2.94144	2.95128
				Cir Clip				GREEN:	73.9725	74.2225	74.4725	74.7225	74.9725
				NONE		SURFACE TREATMENT		REMARKS:					
				C17		NONE		Measure for CYL Clearance: 20.00 mm from Bottom of Skirt.					
								Clearance: 0.787 inch					
PAGE #		157						74.000 Tolerance is +/- (mm   inch): 0.0025 0.00010					
11-111	4	74.000	59.80	29.80	-	1.20	56.00	YELLOW:	73.9775	74.2275	74.4775	74.7275	74.9775
		2.913	2.354	1.173		0.185	0.047		2.205	2.91250	2.92234	2.93219	2.94203
PISTON RING #		Total Clearance				1.20		RED:	73.9675	74.2175	74.4675	74.7175	74.9675
		mm	inch			0.047			2.91211	2.92195	2.93179	2.94163	2.95148
SWH30253		-0.04	-0.00157			2.80	19.00	BLUE:	73.9625	74.2125	74.4625	74.7125	74.9625
						0.110	0.748		2.91191	2.92175	2.93159	2.94144	2.95128
				Cir Clip				GREEN:	73.9725	74.2225	74.4725	74.7225	74.9725
				NONE		SURFACE TREATMENT		REMARKS:					
				C17		NONE		Measure for CYL Clearance: 10.00 mm from Bottom of Skirt.					
								Clearance: 0.394 inch					
PAGE #		157						74.000 Tolerance is +/- (mm   inch): 0.0025 0.00010					
11-113	4	74.000	57.50	27.50	-	1.50	62.00	YELLOW:	73.9775	74.2275	74.4775	74.7275	74.9775
		2.913	2.264	1.083		0.098	0.059		2.441	2.91250	2.92234	2.93219	2.94203
PISTON RING #		Total Clearance				1.50		RED:	73.9675	74.2175	74.4675	74.7175	74.9675
		mm	inch			0.059			2.91211	2.92195	2.93179	2.94163	2.95148
SWH30114		-0.04	-0.00157			4.00	17.00	BLUE:	73.9625	74.2125	74.4625	74.7125	74.9625
						0.157	0.669		2.91191	2.92175	2.93159	2.94144	2.95128
				Cir Clip				GREEN:	73.9725	74.2225	74.4725	74.7225	74.9725
				NONE		SURFACE TREATMENT		REMARKS:					
				C17		NONE		Measure for CYL Clearance: 10.00 mm from Bottom of Skirt.					
								Clearance: 0.394 inch					
PAGE #		161						74.000 Tolerance is +/- (mm   inch): 0.0025 0.00010					

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NOA PISTON PART #	C Y L	PISTON INFORMATION					1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)			
		BORE	LENGTH	COMP.	+	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm			
		mm inch	mm inch	mm inch	-	mm inch	OIL1 OIL2	DIA. mm		inch	inch	inch	inch	inch			
11-122	4	PAGE # 161		80.000	65.30	29.80	-	0.50	1.50	61.00	79.950	Tolerance is +/- (mm   inch) : 0.003 0.00012					
				3.150	2.571	1.173	-	0.020	0.059	2.402		YELLOW:	79.9430	80.1930	80.4430	80.6930	80.9430
		PISTON RING #		Total Clearance									RED:	79.9565	80.2065	80.4565	80.7065
		SWH30251		mm	inch			0.13	0.059		BLUE:	3.14789	3.15774	3.16758	3.17742	3.18726	
				-0.04	-0.00157			2.20	4.00	20.00							
				0.09	0.157			0.157	0.157	0.787							
						Cir Clip		NONE		SURFACE TREATMENT		REMARKS:					
						NONE		NONE		NONE		Measure for CYL Clearance: 30.00 mm from Bottom of Skirt.					
						T01		NONE		NONE							
11-124	4	PAGE # 199		77.000	61.80	29.00	+	0.80	1.50	65.00	76.970	Tolerance is +/- (mm   inch) : 0.003 0.00012					
				3.031	2.433	1.142	+	0.031	0.059	2.559		YELLOW:	76.9630	77.2130	77.4630	77.7130	77.9630
		PISTON RING #		Total Clearance									RED:	76.9765	77.2265	77.4765	77.7265
		SWT20045		mm	inch			2.00	0.079		BLUE:	3.03057	3.04041	3.05026	3.06010	3.06994	
				-0.04	-0.00157			4.00	0.157	20.00							
				0.157	0.787			0.157	0.157	0.787							
						Cir Clip		NONE		SURFACE TREATMENT		REMARKS:					
						NONE		NONE		NONE		Measure for CYL Clearance: 15.00 mm from Bottom of Skirt.					
						T01		NONE		NONE							
11-127	4	PAGE # 199		77.000	60.60	28.60	-	2.00	1.50	65.00	77.000	Tolerance is +/- (mm   inch) : 0.0025 0.00010					
				3.031	2.386	1.126	-	0.079	0.059	2.559		YELLOW:	76.9775	77.2275	77.4775	77.7275	77.9775
		PISTON RING #		Total Clearance									RED:	76.9675	77.2175	77.4675	77.7175
		SWT20045		mm	inch			2.00	0.079		BLUE:	3.03022	3.04006	3.04990	3.05974	3.06959	
				-0.04	-0.00157			4.00	0.157	20.00							
				0.157	0.787			0.157	0.157	0.787							
						Cir Clip		NONE		SURFACE TREATMENT		REMARKS:					
						NONE		NONE		NONE		Measure for CYL Clearance: 1.00 mm from Bottom of Skirt.					
						C17		NONE		NONE							
11-129	4	PAGE # 185 201		86.000	70.80	34.00	-	2.60	1.50	67.00	86.000	Tolerance is +/- (mm   inch) : 0.0025 0.00010					
				3.386	2.787	1.339	-	0.102	0.059	2.638		YELLOW:	85.9775	86.2275	86.4775	86.7275	86.9775
		PISTON RING #		Total Clearance									RED:	85.9675	86.2175	86.4675	86.7175
		SWT20048		mm	inch			1.50	0.059		BLUE:	3.38455	3.39439	3.40423	3.41407	3.42392	
				-0.04	-0.00157			4.00	0.157	22.00							
				0.157	0.866			0.157	0.157	0.866							
						Cir Clip		NONE		SURFACE TREATMENT		REMARKS:					
						NONE		NONE		NONE		Measure for CYL Clearance: 10.00 mm from Bottom of Skirt.					
						C17		NONE		NONE							

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NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)	
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm	
		mm inch	mm inch	mm inch	mm inch	OIL1	DIA.		inch	inch	inch	inch	inch	
11-140	4	75.000	75.00	36.00		2.00	61.00	YELLOW:	74.9775	75.2275	75.4775	75.7275	75.9775	
		2.953	2.953	1.417		0.079	2.402		2.95187	2.96171	2.97156	2.98140	2.99124	
PISTON RING #		Total Clearance				2.00		RED:	74.9675	75.2175	75.4675	75.7175	75.9675	
SWT10052		mm	inch			0.079		BLUE:	2.95148	2.96132	2.97116	2.98100	2.99085	
		-0.04	-0.00157			4.00	18.00	GREEN:	74.9625	75.2125	75.4625	75.7125	75.9625	
						0.157	0.709		2.95128	2.96112	2.97096	2.98081	2.99065	
				Cir Clip				REMARKS:	74.9725	75.2225	75.4725	75.7225	75.9725	
								Measure for CYL	2.95167	2.96152	2.97136	2.98120	2.99104	
				C17				Clearance:	12.00 mm from Bottom of Skirt. 0.472 inch					
PAGE #		253							75.000 Tolerance is +/- (mm   inch) : 0.0025 0.00010					
11-141	4	75.000	69.00	36.00	-	4.00	1.50	61.00	YELLOW:	74.9775	75.2275	75.4775	75.7275	75.9775
		2.953	2.717	1.417		0.157	0.059	2.402		2.95187	2.96171	2.97156	2.98140	2.99124
PISTON RING #		Total Clearance				6.70	1.50	RED:	74.9675	75.2175	75.4675	75.7175	75.9675	
SWT10109		mm	inch			0.26	0.059	BLUE:	2.95148	2.96132	2.97116	2.98100	2.99085	
		-0.04	-0.00157			4.00	18.00	GREEN:	74.9625	75.2125	75.4625	75.7125	75.9625	
						0.157	0.709		2.95128	2.96112	2.97096	2.98081	2.99065	
				Cir Clip				REMARKS:	74.9725	75.2225	75.4725	75.7225	75.9725	
								Measure for CYL	2.95167	2.96152	2.97136	2.98120	2.99104	
				C17				Clearance:	10.00 mm from Bottom of Skirt. 0.394 inch					
PAGE #		253							75.000 Tolerance is +/- (mm   inch) : 0.0025 0.00010					
11-142	4	77.500	61.00	31.00	-	3.20	1.50	61.00	YELLOW:	77.4775	77.7275	77.9775	78.2275	78.4775
		3.051	2.402	1.220		0.126	0.059	2.402		3.05030	3.06014	3.06998	3.07982	3.08967
PISTON RING #		Total Clearance				1.50	1.50	RED:	77.4675	77.7175	77.9675	78.2175	78.4675	
SWT10078		mm	inch			0.059	0.059	BLUE:	3.04990	3.05974	3.06959	3.07943	3.08927	
		-0.04	-0.00157			2.80	18.00	GREEN:	77.4625	77.7125	77.9625	78.2125	78.4625	
						0.110	0.709		3.04970	3.05955	3.06939	3.07923	3.08907	
				Cir Clip				REMARKS:	77.4725	77.7225	77.9725	78.2225	78.4725	
				NONE				Measure for CYL	3.05010	3.05994	3.06978	3.07963	3.08947	
				C17				Clearance:	10.00 mm from Bottom of Skirt. 0.394 inch					
PAGE #		253							77.500 Tolerance is +/- (mm   inch) : 0.0025 0.00010					
11-143	4	77.500	61.00	31.00	-	3.00	1.50	61.00	YELLOW:	77.4775	77.7275	77.9775	78.2275	78.4775
		3.051	2.402	1.220		0.118	0.059	2.402		3.05030	3.06014	3.06998	3.07982	3.08967
PISTON RING #		Total Clearance				1.50	1.50	RED:	77.4675	77.7175	77.9675	78.2175	78.4675	
SWT10078		mm	inch			0.059	0.059	BLUE:	3.04990	3.05974	3.06959	3.07943	3.08927	
		-0.04	-0.00157			2.80	18.00	GREEN:	77.4625	77.7125	77.9625	78.2125	78.4625	
						0.110	0.709		3.04970	3.05955	3.06939	3.07923	3.08907	
				Cir Clip				REMARKS:	77.4725	77.7225	77.9725	78.2225	78.4725	
				NONE				Measure for CYL	3.05010	3.05994	3.06978	3.07963	3.08947	
				C17				Clearance:	10.00 mm from Bottom of Skirt. 0.394 inch					
PAGE #		253							77.500 Tolerance is +/- (mm   inch) : 0.0025 0.00010					

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NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm	mm	mm	mm	OIL1	DIA.	inch	inch	inch	inch	inch	
		mm	mm	mm	mm	OIL2	mm	inch	inch	inch	inch	inch	
		mm	mm	mm	mm			MID	MID	MID	MID	MID	
11-144	4	81.000	60.50	30.50	-	3.00	1.50	80.980	Tolerance is +/- (mm   inch) : 0.003 0.00012				
		3.189	2.382	1.201		0.118	0.059		2.402	YELLOW:	80.9730	81.2230	81.4730
PISTON RING #		Total Clearance						RED:	80.9865	81.2365	81.4865	81.7365	81.9865
SWT10108		mm	inch					BLUE:	3.18844	3.19829	3.20813	3.21797	3.22781
		-0.04	-0.00157						80.9795	81.2295	81.4795	81.7295	81.9795
									3.18817	3.19801	3.20785	3.21770	3.22754
				Cir Clip		SURFACE TREATMENT		REMARKS:					
				NONE		NONE		Measure for CYL Clearance: 13.00 mm from Bottom of Skirt.					
				T01		NONE							
PAGE #		93		253									
11-145	4	85.000	91.10	39.00	+	6.10	2.00	84.970	Tolerance is +/- (mm   inch) : 0.003 0.00012				
		3.346	3.587	1.535		0.240	0.079		2.598	YELLOW:	84.9630	85.2130	85.4630
PISTON RING #		Total Clearance						RED:	84.9765	85.2265	85.4765	85.7265	85.9765
SWT10040		mm	inch					BLUE:	3.34553	3.35537	3.36522	3.37506	3.38490
		-0.04	-0.00157						84.9695	85.2195	85.4695	85.7195	85.9695
									3.34526	3.35510	3.36494	3.37478	3.38463
				Cir Clip		SURFACE TREATMENT		REMARKS:					
				NONE		NONE		Measure for CYL Clearance: 25.00 mm from Bottom of Skirt.					
				T01		NONE							
PAGE #		253											
11-149	4	85.000	82.50	35.20	-	5.40	1.50	84.980	Tolerance is +/- (mm   inch) : 0.003 0.00012				
		3.346	3.248	1.386		0.213	0.059		2.598	YELLOW:	84.9730	85.2230	85.4730
PISTON RING #		Total Clearance						RED:	84.9865	85.2365	85.4865	85.7365	85.9865
SWT10059		mm	inch					BLUE:	3.34593	3.35577	3.36561	3.37545	3.38530
		-0.04	-0.00157						84.9795	85.2295	85.4795	85.7295	85.9795
									3.34565	3.35549	3.36533	3.37518	3.38502
				Cir Clip		SURFACE TREATMENT		REMARKS:					
				NONE		NONE		Measure for CYL Clearance: 30.00 mm from Bottom of Skirt.					
				T01		NONE							
PAGE #		255											
11-153	4	88.500	84.80	39.80		2.00	75.00	88.490	Tolerance is +/- (mm   inch) : 0.003 0.00012				
		3.484	3.339	1.567		0.079	2.953		YELLOW:	88.4830	88.7330	88.9830	89.2330
PISTON RING #		Total Clearance						RED:	88.4965	88.7465	88.9965	89.2465	89.4965
SWT10043		mm	inch					BLUE:	3.48411	3.49396	3.50380	3.51364	3.52348
		-0.04	-0.00157						88.4895	88.7395	88.9895	89.2395	89.4895
									3.48384	3.49368	3.50352	3.51337	3.52321
				Cir Clip		SURFACE TREATMENT		REMARKS:					
				NONE		NONE		Measure for CYL Clearance: 20.00 mm from Bottom of Skirt.					
				T01		NONE							
PAGE #		255											

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		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm inch	mm inch	mm inch	mm inch	OIL1	DIA.		inch	inch	inch	inch	inch
11-155	4	86.000	70.00	35.00	-	5.00	1.50	85.980	0.0045	0.0013	Tolerance is +/- (mm   inch) :		
		3.386	2.756	1.378		0.197	0.059				2.598	mm	inch
PISTON RING #		Total Clearance				1.50		REMARKS:		Measure for CYL			
SWT10090		mm	inch			0.059		Clearance:		mm	inch	from Bottom of Skirt.	
		-0.04	-0.00157			4.00	22.00						
						0.157	0.866						
				Cir Clip									
				NONE		SURFACE TREATMENT							
				J05		NONE							
PAGE #		257											
11-157	4	88.500	88.10	38.70	+	2.80	2.00	88.467	0.0045	0.0013	Tolerance is +/- (mm   inch) :		
		3.484	3.469	1.524		0.110	0.079				2.953	mm	inch
PISTON RING #		Total Clearance				2.50		REMARKS:		Measure for CYL			
SWT10043		mm	inch			0.098		Clearance:		20.00 mm	0.787 inch	from Bottom of Skirt.	
		-0.04	-0.00157			4.00	22.00						
						0.157	0.866						
				Cir Clip									
				NONE		SURFACE TREATMENT							
				J05		NONE							
PAGE #		257											
11-171	6	90.000	95.50	47.50			3.00	89.980	0.0045	0.0013	Tolerance is +/- (mm   inch) :		
		3.543	3.760	1.870			0.118				3.150	mm	inch
PISTON RING #		Total Clearance				3.00		REMARKS:		Measure for CYL			
SWT10026		mm	inch			0.118		Clearance:		mm	inch	from Bottom of Skirt.	
		-0.04	-0.00157			4.00	25.15						
						0.157	0.990						
				Cir Clip									
				NONE		SURFACE TREATMENT							
				J05		NONE							
PAGE #		263											
11-174	6	94.000	95.50	47.22	+	6.50	2.00	93.970	0.003	0.0012	Tolerance is +/- (mm   inch) :		
		3.701	3.760	1.859		0.256	0.079				2.835	mm	inch
PISTON RING #		Total Clearance				2.50		REMARKS:		Measure for CYL			
SWT10049		mm	inch			0.098		Clearance:		15.00 mm	0.591 inch	from Bottom of Skirt.	
		-0.04	-0.00157			4.00	25.15						
						0.157	0.990						
				Cir Clip									
				NONE		SURFACE TREATMENT							
				T01		NONE							
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# PISTON BUYER'S GUIDE

Cylinder Wall Clearance is showing  
Total Diameter, not one side.  
EX: -0.04 (Total) / 2 = -0.02 (one side)



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RED = NEW INFORMATION

NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT							PISTON DIAMETER MEASURING POINT EXPLANATION							
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)	
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm	
		mm	mm	mm	mm	OIL1	DIA.	inch	inch	inch	inch	inch		
		inch	inch	inch	inch	OIL2	mm	MID	MID	MID	MID	MID		
		PAGE #		265				94.000	Tolerance is +/- (mm   inch) :				0.0025	0.00010
11-175	6	94.000	95.80	47.58	+	0.30	2.00	72.00	YELLOW:	93.9775	94.2275	94.4775	94.7275	94.9775
		3.701	3.772	1.873		0.012	0.079	2.835		3.69990	3.70974	3.71959	3.72943	3.73927
		PISTON RING #		Total Clearance			2.50		RED:	93.9675	94.2175	94.4675	94.7175	94.9675
		SWT10049		mm	inch		0.098			3.69951	3.70935	3.71919	3.72904	3.73888
			-0.04	-0.00157			4.00	25.15	BLUE:	93.9625	94.2125	94.4625	94.7125	94.9625
							0.157	0.990		3.69931	3.70915	3.71900	3.72884	3.73868
				Cir Clip	NONE	SURFACE TREATMENT		REMARKS:	Measure for CYL Clearance:	15.00 mm	0.591 inch	from Bottom of Skirt.		
						NONE								
						C17	NONE							