

# Piston Position

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Below is a table of piston position for any given crankshaft angle. Example, a stock Model T cam should close the intake valve at 51 degrees ABC (129 degrees BTC). The table gives a value for distance below the block deck of 3.1209 in or about 3 1/8 in. The Laurel-Roof cam closes the intake valve at 55 degrees ABC (125 degrees BTC). The table gives a value for distance below the block deck of 3.0291 or about 3 1/32 in.

Crankshaft Position (Deg)	Distance Below TDC (in)	Distance Above BDC (in)	Distance Below Deck (in)
0	0.0000	4.0000	-0.3125
1	0.0004	3.9996	-0.3121
2	0.0016	3.9984	-0.3109
3	0.0035	3.9965	-0.3090
4	0.0063	3.9937	-0.3062
5	0.0098	3.9902	-0.3027
6	0.0141	3.9859	-0.2984
7	0.0192	3.9808	-0.2933
8	0.0250	3.9750	-0.2875
9	0.0316	3.9684	-0.2809
10	0.0390	3.9610	-0.2735
11	0.0472	3.9528	-0.2653
12	0.0561	3.9439	-0.2564
13	0.0657	3.9343	-0.2468
14	0.0762	3.9238	-0.2363
15	0.0873	3.9127	-0.2252
16	0.0992	3.9008	-0.2133
17	0.1119	3.8881	-0.2006
18	0.1252	3.8748	-0.1873
19	0.1393	3.8607	-0.1732
20	0.1541	3.8459	-0.1584
21	0.1696	3.8304	-0.1429
22	0.1858	3.8142	-0.1267
23	0.2027	3.7973	-0.1098
24	0.2203	3.7797	-0.0922
25	0.2386	3.7614	-0.0739
26	0.2575	3.7425	-0.0550
27	0.2771	3.7229	-0.0354
28	0.2974	3.7026	-0.0151

29	0.3182	3.6818	0.0057
30	0.3397	3.6603	0.0272
31	0.3619	3.6381	0.0494
32	0.3846	3.6154	0.0721
33	0.4079	3.5921	0.0954
34	0.4318	3.5682	0.1193
35	0.4563	3.5437	0.1438
36	0.4814	3.5186	0.1689
37	0.5070	3.4930	0.1945
38	0.5331	3.4669	0.2206
39	0.5598	3.4402	0.2473
40	0.5870	3.4130	0.2745
41	0.6147	3.3853	0.3022
42	0.6428	3.3572	0.3303
43	0.6715	3.3285	0.3590
44	0.7006	3.2994	0.3881
45	0.7301	3.2699	0.4176
46	0.7601	3.2399	0.4476
47	0.7905	3.2095	0.4780
48	0.8213	3.1787	0.5088
49	0.8526	3.1474	0.5401
50	0.8841	3.1159	0.5716
51	0.9161	3.0839	0.6036
52	0.9484	3.0516	0.6359
53	0.9810	3.0190	0.6685
54	1.0140	2.9860	0.7015
55	1.0473	2.9527	0.7348
56	1.0808	2.9192	0.7683
57	1.1147	2.8853	0.8022
58	1.1488	2.8512	0.8363
59	1.1831	2.8169	0.8706
60	1.2177	2.7823	0.9052
61	1.2525	2.7475	0.9400
62	1.2875	2.7125	0.9750
63	1.3226	2.6774	1.0101
64	1.3580	2.6420	1.0455
65	1.3935	2.6065	1.0810
66	1.4292	2.5708	1.1167
67	1.4650	2.5350	1.1525
68	1.5009	2.4991	1.1884
69	1.5369	2.4631	1.2244
70	1.5730	2.4270	1.2605
71	1.6091	2.3909	1.2966
72	1.6454	2.3546	1.3329
73	1.6816	2.3184	1.3691

74	1.7179	2.2821	1.4054
75	1.7542	2.2458	1.4417
76	1.7905	2.2095	1.4780
77	1.8268	2.1732	1.5143
78	1.8631	2.1369	1.5506
79	1.8993	2.1007	1.5868
80	1.9355	2.0645	1.6230
81	1.9716	2.0284	1.6591
82	2.0077	1.9923	1.6952
83	2.0436	1.9564	1.7311
84	2.0795	1.9205	1.7670
85	2.1152	1.8848	1.8027
86	2.1508	1.8492	1.8383
87	2.1863	1.8137	1.8738
88	2.2216	1.7784	1.9091
89	2.2568	1.7432	1.9443
90	2.2918	1.7082	1.9793
91	2.3266	1.6734	2.0141
92	2.3612	1.6388	2.0487
93	2.3957	1.6043	2.0832
94	2.4299	1.5701	2.1174
95	2.4638	1.5362	2.1513
96	2.4976	1.5024	2.1851
97	2.5311	1.4689	2.2186
98	2.5644	1.4356	2.2519
99	2.5974	1.4026	2.2849
100	2.6301	1.3699	2.3176
101	2.6626	1.3374	2.3501
102	2.6947	1.3053	2.3822
103	2.7266	1.2734	2.4141
104	2.7582	1.2418	2.4457
105	2.7895	1.2105	2.4770
106	2.8205	1.1795	2.5080
107	2.8511	1.1489	2.5386
108	2.8814	1.1186	2.5689
109	2.9114	1.0886	2.5989
110	2.9411	1.0589	2.6286
111	2.9704	1.0296	2.6579
112	2.9993	1.0007	2.6868
113	3.0279	0.9721	2.7154
114	3.0561	0.9439	2.7436
115	3.0840	0.9160	2.7715
116	3.1115	0.8885	2.7990
117	3.1386	0.8614	2.8261
118	3.1653	0.8347	2.8528

119	3.1917	0.8083	2.8792
120	3.2177	0.7823	2.9052
121	3.2432	0.7568	2.9307
122	3.2684	0.7316	2.9559
123	3.2932	0.7068	2.9807
124	3.3176	0.6824	3.0051
125	3.3416	0.6584	3.0291
126	3.3651	0.6349	3.0526
127	3.3883	0.6117	3.0758
128	3.4110	0.5890	3.0985
129	3.4334	0.5666	3.1209
130	3.4553	0.5447	3.1428
131	3.4768	0.5232	3.1643
132	3.4979	0.5021	3.1854
133	3.5185	0.4815	3.2060
134	3.5388	0.4612	3.2263
135	3.5586	0.4414	3.2461
136	3.5779	0.4221	3.2654
137	3.5969	0.4031	3.2844
138	3.6154	0.3846	3.3029
139	3.6335	0.3665	3.3210
140	3.6512	0.3488	3.3387
141	3.6684	0.3316	3.3559
142	3.6852	0.3148	3.3727
143	3.7015	0.2985	3.3890
144	3.7175	0.2825	3.4050
145	3.7329	0.2671	3.4204
146	3.7480	0.2520	3.4355
147	3.7626	0.2374	3.4501
148	3.7768	0.2232	3.4643
149	3.7905	0.2095	3.4780
150	3.8038	0.1962	3.4913
151	3.8167	0.1833	3.5042
152	3.8292	0.1708	3.5167
153	3.8412	0.1588	3.5287
154	3.8527	0.1473	3.5402
155	3.8638	0.1362	3.5513
156	3.8745	0.1255	3.5620
157	3.8848	0.1152	3.5723
158	3.8946	0.1054	3.5821
159	3.9040	0.0960	3.5915
160	3.9129	0.0871	3.6004
161	3.9214	0.0786	3.6089
162	3.9294	0.0706	3.6169
163	3.9371	0.0629	3.6246

164	3.9443	0.0557	3.6318
165	3.9510	0.0490	3.6385
166	3.9573	0.0427	3.6448
167	3.9632	0.0368	3.6507
168	3.9687	0.0313	3.6562
169	3.9737	0.0263	3.6612
170	3.9782	0.0218	3.6657
171	3.9824	0.0176	3.6699
172	3.9861	0.0139	3.6736
173	3.9893	0.0107	3.6768
174	3.9922	0.0078	3.6797
175	3.9946	0.0054	3.6821
176	3.9965	0.0035	3.6840
177	3.9980	0.0020	3.6855
178	3.9991	0.0009	3.6866
179	3.9998	0.0002	3.6873
180	4.0000	0.0000	3.6875