



# VALVE SPRINGS

Valve springs are one of the most critical and most overlooked components in an engine. Valve springs play an important role in controlling the breathing in a diesel engine. The valves open mechanically by a camshaft, and are closed by the tension of the valve springs. When considering that a typical diesel engine valve is opening and closing hundreds of millions of times during its life cycle, **it is imperative that valve springs be replaced during the next overhaul** to attain the best performance from your engine. Improper selection of the valve spring is one of the most common causes of engine failure. Your CTP salesperson can ensure that you obtain the proper valve springs for your engine. CTP has the most complete selection of high quality valvetrain components in the industry.

Dual Valve Spring / Part No.		Engine Model	Application
Inner Spring	Outer Spring		
0676053	0676052	T4.236, 3054	206, 212, 214, 224, 416, CS-431B
6I0284	6I0283	3054, 3056	307, 312, 315, 317, 416B, 416C, 426B, 426C, 428B, 428C, 436B, 436C, 438B, 438C, 914G, AP-1200, AP-800C, BG-225B, CB-434B, CB-434C, CB-534B, CB-534C, CB-535B, CB-544, CB-545, CP-433C
5F3111	5F3112	D315	955C, 977D
1906115	1906117	C9	12H, 140M, 140M 2, 160M, 160M 2, 2290, 2390, 2391, 2491, 2590, 330C, 330C FM, 330C L, 330C MH, 330D, 330D FM, 330D L, 330D LN, 330D MH, 336D, 336D L, 336D LN, 336D2, 336D2 L, 340D L, 340D2 L, 511, 521
2418386	2418385	C9	140M, 140M 2, 160M, 160M 2, 2290, 2390, 2391, 2491, 2590, 330D, 330D FM, 330D L, 330D LN, 330D MH, 336D, 336D L, 336D LN, 336D2, 336D2 L, 340D L, 340D2 L, 511, 521, 521B, 522, 522B, 532, 541, 541 2
3495303	3495307	C9.3	12M 2, 12M 3, 12M 3 AWD, 140M 2, 140M 3, 140M 3 AWD, 160M 2, 160M 3, 160M 3 AWD, 2864C, 336E, 336E H, 336E HVG, 336E L, 336E LH, 336E LN, 336F L, 568 FM LL, 586C, 627H, 627K, 627K LRC, 725C, 966K
9N5495	9N5496	3208	508, 613C, 966M, 966M XE, 972M, 972M XE, PR-1000
2244441	3322152	3176B, 3176C, 3196,	140H, 143H, 14H, 14M, 160H, 163H, 16H, 16M, 345B, 345B II, 345B II MH, 345B L, 345C, 345C L, 345C MH, 345D, 345D L, 345D L VG, 349D, 349D L, 349E, 349E L, 349E L HVG, 349E L VG

\* Other part no. not included in the list are available. Please contact your sales representative if you have any questions. Part Numbers are used for reference purposes only. Komatsu® is the registered trademark of Komatsu Ltd.

## Dual Valve Springs

Dual Valve Spring / Part No.		Engine Model	Application
Inner Spring	Outer Spring		
4W2472	4W2471	3406B, 3406C	16G, 16H NA, 375, 375 L, 5080, 578, 583R, 587R, 621E, 621F, 623E, 623F, 627E, 627F, 814B, 824G, 825G, 826G, 980C, 980F, 980G, D350E, D400E, D8N, D8R, D8R II, HT400, PM-465, RM-250C
1944902	2816157	3508, 3508B, 3508C, 3512, 3512B, 3512C, 3516, 3516B, 3516C,	5130B, 5230, 5230B, 776C, 776D, 777, 777B, 777C, 777D, 784C, 785, 785B, 785C, 785D, 789B, 789C, 793B, 793C, 793D, 797, 797B, 854G, 992G, 994
3165977	3165976	3508, 3508B, 3508C, 3512, 3512B, 3512C, 3516, 3516B, 3516C	5130B, 5230, 5230B, 776C, 776D, 777, 777B, 777C, 777D, 784C, 785, 785B, 785C, 785D, 789, 789B, 789C, 789D, 793B, 793C, 793D, 797, 797B, 854G
7N1903	7N1904	3508, 3508B, 3508C, 3512, 3516, 3516B, G3508, G3508B, G3512, G3512B, G3516, G3516B, G3520B, G3606, G3606B, G3608, G3612, G3616,	5130, 5230, 776C, 784B, 785, 785B, 789B, 793B, 994, D11N, D11R, PM3512
1W1749	1W1748	3606, 3608, 3612, 3616, 3618, C280-12, C280-16, C280-6, C280-8, G3606, G3606B, G3608, G3612, G3616	5110B
4F5409	4F5408	D342, D342C, D353C, D364, D375D, D379, D379A, D397D, D398, D398A, G353D, G379, G398	D8H, D9E, D9G,
9M5349	9M5350	D342, D342C, D353C, D379, D379A, D379B, D398, D398A, D398B, D399, G342C, G379, G398, G399	D8H, D8K, D9H
4F5409	4F5408	D342, D353/E, D375, D398 & G398	
9M5349	9M5350	D398/B & G398/B, D342, D379B, D399	
676052	676053	T4.236	

## Single Valve Springs

Single Valve Spring		Engine Model	Application
Part No.	Description		
1011177	SPRING-VALVE	3508, 3508B, 3512, 3512B, 3516B	5130B, 5230B, 776D, 777, 777D, 784C, 785C, 789C, 793C, 797, 797B, 854G, 992G, 994D, D11R, PM3508, PM3512, PM3516, PP3516, SPF343, SPS343, SPT343
1011180	SPRING-VALVE	3508, 3508B, 3512, 3512B, 3516B	5130B, 5230B, 776D, 777, 777D, 784C, 785C, 789C, 793C, 797, 797B, 854G, 992G, 994D, D11R, PM3508, PM3512, PM3516, PP3516, SPF343, SPS343, SPT343
1032454	SPRING-VALVE	3306, 3306B, 3306C	12H, 140G, 140H, 140H NA, 143H, 160H, 235B, 330, 330 L, 330B L, 572R, 611, 615, 615C, 627B, 627F, 815F, 966F, 966F II, 972G, D250E II, D6D, D6E SR, D6G SR, D6H, D6H XL, D6H XR, D6R
1376718	SPRING-VALVE (EXH)	3126B	120H, 120K, 120K 2, 12K, 12M, 135H, 140G, 140K, 140K 2, 140M, 160K, 3126, 3126B, 3126E, 322C, 322C FM, 324D, 324D FM, 324D FM LL, 324D L, 324D LN, 325C, 325C FM, 325D, 325D FM, 325D FM LL, 325D L
1406188	SPRING-VALVE (INL)	3126B	120H, 120K, 120K 2, 12K, 12M, 135H, 140G, 140K, 140K 2, 140M, 160K, 3126, 3126B, 3126E, 322C, 322C FM, 324D, 324D FM, 324D FM LL, 324D L, 324D LN, 325C, 325C FM, 325D, 325D FM, 325D FM LL, 325D L
1535558	SPRING VALVE	3003, 3013, 3013C, 3014, 3024, 3024C, C1.1, C1.5, C1.6, C2.2	216, 216B, 216B3, 226B, 226B3, 232B, 242B, 247B, 247B3, 257B, 301.5, 3011C, 302.5, 304.5, 902, AP-255E, BB-621C, CB-14, CB-214D, CB-22
1597303	SPRING	D346, D348, D349	12H, 140M, 140M 2, 160M, 160M 2, 2290, 2390, 2391, 2491, 2590, 330C, 330C FM, 330C L, 330C MH, 330D, 330D FM, 330D L, 330D LN, 330D MH, 336D, 336D L, 336D LN, 336D2, 336D2 L, 340D L, 340D2 L, 511, 521
2064127	SPRING-VALVE	3054, 3054B, 3056, 3056E	312B L, 312C, 315B L, 416C, 416D, 420D, 426C, 428C, 428D, 430D, 432D, 436C, 438C, 438D, 442D, 550B, 554, 560B, 564, 574B, 908, 924G, 924GZ, 930G, AP-655C, AP-800C, BB-760

\* Other part no. not included in the list are available. Please contact your sales representative if you have any questions. Part Numbers are used for reference purposes only. Komatsu® is the registered trademark of Komatsu Ltd.

# Single Valve Springs

Single Valve Spring		Engine Model	Application
Part No.	Description		
2768132	SPRING-VALVE	C6.4 C6.6	120M, 12M, 2470C, 320D GC, 320D L, 323D L, 323D2 L, 553C, 559, 613G, 924H, 924HZ, 924K, 928H, 928HZ, 930K, 938H, 938K, 950 GC, 953D, 963D, AP-600D, AP-655D, AP1000E, AP1055E, BG600D, BG655D, C6.6
2941688	SPRING VALVE	C4.2, C6.4	311D LRR, 312D, 312D L, 313D, 314D CR, 314D LCR, 315D L, 318D L, 319D, 319D L, 319D LN, 320D, 320D FM, 320D FM RR, 320D GC, 320D L, 320D LN, 320D LRR, 320D RR, 321D LCR, 323D L, 323D LN, 323D SA
3322152	SPRING-VALVE (INL/EXH)	3176B, 3176C, 3196,	140H, 143H, 14H, 14M, 160H, 163H, 16H, 16M, 345B, 345B II, 345B II MH, 345B L, 345C, 345C L, 345C MH, 345D, 345D L, 345D L VG, 349D, 349D L, 349E, 349E L, 349E L HVG, 349E L VG
4360519	SPRING-VALVE	C3.3, C4.4, 3054C	XQP100
4360520	SPRING-VALVE	C7.1	323-D3
4360521	SPRING-VALVE	C7.1	924K, 930K, 938, 525D, 535D, 545D
4360524	SPRING-VALVE	C4.4, C6.6	120M 2, 2384C, 2484C, 2570C, 2670C, 320E L, 320E LN, 320E LRR, 320E RR, 323E L, 324E, 324E LN, 329E, 329E L, 525D, 535D, 545D, 555D, 559C, 563C, 573C, 579C, 930K, 938K, 950K, 962K, BG1000E, BG1055E
1W4259	SPRING-VALVE	3204, 3208	215, 926, 931B, 943, 953, CS-551, D4HTSK II, E180, PS-500
2S4213	VALVE SPRING	1693, D343, G343	16, 631C, 641, 651, 657, 657B, 666, 768B, 769, 824, 824B, 825B, 826B, 834, 953C, 983, 988,
4F5408	SPRING-VALVE	D342, D342C, D353C, D364, D375D, D379, D379A, D397D, D398, D398A, G353D, G379, G398	D8H, D9E, D9G,
4N5906	SPRING-VALVE	3406, 3406B, 3406C, 3408, 3408B, 3408C, 3408E, 3412, 3412C, 3412D, 3412E, 3516B,	16G, 245, 24H, 5110B, 589, 621, 621B, 621F, 623E, 623F, 627B, 627E, 627F, 631D, 631E, 631G, 633E II, 637D, 637E, 637G
5I7721	SPRING	3064, 3066	311, 311B, 311C, 312B, 312C, 312C L, 314C, 318C, 319C, 320 L, 320B, 320C, 320C FM, 320C L, 320D, 320D LRR, 320N, 321C, 323D L, 323D LN
5I7740	SPRING VALVE	3064, 3066	311, 311B, 311C, 312B, 312C, 312C L, 314C, 318C, 319C, 320 L, 320B, 320C, 320C FM, 320C L, 320D, 320D LRR, 320N, 321C, 323D L, 323D LN
6I0271	SPRING VALVE	3054	416B, 416C, 426B, 428B, 428C, 438B
6I2307	SPRING-VALVE (EXH)	3114, 3116, 3126	30/30, 45, 938F, 960F, 962G
7C4273	SPRING-VALVE (INL)	3114, 3116, 3126	120H, 120H ES, 120H NA, 135H, 135H NA, 205B, 214B, 224B, 30/30, 320 L, 320B, 322 FM L, 322B L, 322B LN, 322C, 322C FM, 325, 325 L, 325B, 325B L, 35, 446B, 446D, 45, 525B, 533, 535B
7S6323	SPRING VALVE	D353C, D379A, D398A, D399, G353D, G379, G398, G399	594, D9G, D9H, R1700 II
7S7144	SPRING VALVE	3304, 3306	120, 120B, 120G, 12G, 12H, 12H ES, 12H NA, 130G, 140B, 140G, 140H, 140H ES, 140H NA, 143H, 14E, 14G, 14H NA, 160G, 160H, 160H ES, 160H NA, 163H NA, 1673C, 215, 215B, 215C, 225, 235, 235B, 330, 330 L
9H9164	SPRING VALVE	1673, D330A, D333A, G3306	12E, 561B, 951B, 955H, 955K, 977H, 977K, D4D
9N3617	VALVE SPRING	3208	215, 931B, 943, 953

## Valve Spring for Komatsu®

Part No.	Description	Engine	Application
6741-41-4410	SPRING-VALVE KOMATSU®	S6D114E, SA6D114E, SAA6D114E,	850B, D61EX, D61PX, PC300, PC300HD, WA320, WA380, WA420

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