

STANDARD REPLACEMENT VALVE SPRING APPLICATION

| Part Number | Model | Engine | I/H | Od | Int. | Id | Seat Press | .5 Lift | Solid Height |
|-----------------|-------------|-------------|------|-------|------|-------|------------|---------|--------------|
| NISSAN | | | | | | | | | |
| 4038-8 | Datsun | A12 | 1.52 | 1.197 | | 0.840 | 80 | 250 | 0.920 |
| 4220-8* | Datsun | A12,A14,A15 | 1.55 | 1.210 | 0.93 | 0.700 | 80 | 180 | 0.820 |
| 5840* | Datsun | L Series | 1.58 | 1.330 | 0.98 | 0.720 | 85 | 255 | 0.860 |
| 5840-8* | Datsun | CA20 | 1.55 | 1.330 | 0.98 | 0.720 | 95 | 255 | 0.860 |
| 4320-8 | Pulsar | E15 | 1.58 | 1.255 | | 0.920 | 100 | 190 | 0.930 |
| NISSAN 6 | | | | | | | | | |
| 0612-12 | 300ZX | VG30DETT | 1.45 | 1.07 | 0.81 | | 65 | 130 | 0.82 |
| 5840-12* | Patrol | TB42,TB47T | 1.58 | 1.330 | 0.98 | 0.720 | 95 | 265 | 0.860 |
| 5835-12 | Patrol | TD42 Diesel | 1.61 | 1.325 | 0.97 | 0.710 | 70 | 190 | 0.950 |
| TOYOTA | | | | | | | | | |
| 4038-8 | Corolla | 3K/4K | 1.55 | 1.197 | | 0.840 | 70 | 240 | 0.920 |
| 4220-8* | Corolla | 3K/4K | 1.55 | 1.210 | 0.93 | 0.700 | 80 | 180 | 0.820 |
| 4320-8 | Hi Ace | 2RZ 2400 | 1.59 | 1.255 | | 0.920 | 95 | 195 | 0.930 |
| 4320-8 | Celica | 2T | 1.46 | 1.255 | | 0.920 | 115 | 210 | 0.930 |
| 4320-8 | Corona | 2S | 1.54 | 1.255 | | 0.920 | 100 | 195 | 0.930 |
| 4719-8 | | 12R | 1.55 | 1.255 | | 0.920 | 100 | 200 | 0.930 |
| 5840-8* | Corona | 18R | 1.55 | 1.330 | 0.98 | 0.720 | 95 | 265 | 0.860 |
| 5827-8 | Corona | 18RG | 1.5 | 1.330 | | 0.720 | 80 | 210 | 0.840 |
| 5825-8 | Corona | 22R | 1.58 | 1.330 | | 0.960 | 75 | 195 | 0.950 |
| 4719-8 | Corona | 5R | 1.55 | 1.255 | | 0.920 | 100 | 200 | 0.930 |
| 5825-8 | | 2RZ OHC | 1.59 | 1.330 | | 0.960 | 80 | 195 | 0.950 |
| 5827-8 | Diesel | 3L, 1HZ | 1.46 | 1.330 | | 0.980 | 85 | 225 | 0.840 |
| 4828-12 | Landcruiser | 2F | 1.79 | 1.275 | | 0.920 | 80 | 250 | 1.080 |
| 5840* | Diesel | 3B | 1.54 | 1.330 | 0.98 | 0.720 | 105 | 270 | 0.860 |

These part numbers and dimensions are listings of applications we have used. Due to variations in models, dimensions & pressures should be checked before fitting. In some cases we may have used shims to adjust installed height. **Springs marked * are double spring.**

VALVE SPRINGS

VALVE SPRINGS PART NUMBER ORDER

| Part Number | O/D | ID of Outer | ID of Inner | Spring Type | RH or LH (Outer) | Free Length | Spring Rate (lb/in) | Solid Height |
|-------------------|--------------------------|--------------------------|-------------|-------------|------------------|-------------|---------------------|--------------|
| 507 | 1.000" | 0.760" | | 1 | L | 2.050" | 75 | 0.750" |
| 511 | 0.937" | 0.697" | | 1 | L | 1.490" | 123 | 0.740" |
| 513 | 0.953" | 0.697" | | 1 | L | 1.937" | 132 | 0.930" |
| 514 | 0.838" | 0.612" | | 1 | L | 1.500" | 145 | 0.710" |
| 515 | 1.015" | 0.725" | | 1 | L | 2.165" | 155 | 1.060" |
| 607 | 0.910" | 0.684" | | 1 | L | 1.970" | 80 | 0.780" |
| 612 | 1.090" | 0.810" | | 1 | R | 2.055" | 120 | 0.880" |
| 613 | 1.080" | 0.796" | | 1 | R | 2.230" | 130 | 1.000" |
| 615 | 1.015" | 0.740" | | 1 | L | 2.000" | 135 | 0.870" |
| 1025 | 1.370" | 1.005" | | 1 | L | 2.200" | 220 | 1.030" |
| 1804 | 0.980" TOP 1.065" BOT | 0.995" TOP 0.635" BOT | | 1 Conical | R | 2.085" | 280 | 1.020" |
| 1808 | 0.970" TOP 1.060" BOT | 0.645" TOP 0.727" BOT | | 1 Conical | R | 2.035" | 215 | 0.880" |
| 1809 | 0.985" TOP 1.060" BOT | 0.640" TOP 0.730" BOT | | 1 Conical | R | 2.180" | 200 | 0.900" |
| 1832 | 0.945" TOP 1.101" BOT | 0.580" TOP 0.735" BOT | | 1 Conical | R | 1.795" | 310 | 0.900" |
| 2021 | 1.134" | 0.838" | | 1 | R | 1.622" | 210 | 0.750" |
| 2834 ^D | 1.134" | 0.838" | 0.612" | 2 | RH | 1.622" | 400 | 0.750" |
| 2836 ^D | 1.134" | 0.838" | 0.612" | 2 | R | 1.622" | 380 | 0.770" |
| 4021 | 1.045" TOP 1.245" BOT | 0.670" TOP 0.870" BOT | | 1 Conical | R | 1.970" | 350 | 1.190" |
| 4028 | 1.255" | 0.920" | | 1 | L | 2.100" | 190 | 0.930" |
| 4038 | 1.197" | 0.840" | | 1 | R | 1.830" | 360 | 0.920" |
| 4162 | 1.100" | 0.765" | | 1 | R | 1.895" | 260 | 0.980" |
| 4163 | 1.165" | 0.825" | | 1 | R | 1.980" | 250 | 0.975" |
| 4164 | 1.050" | 0.735" | | 1 | R | 1.740" | 265 | 0.840" |
| 4177 ^D | 1.113" | 0.805" | 0.636" | 2 | R | 1.660" | 230 | 0.730" |
| 4220 ^D | 1.210" | 0.926" | 0.700" | 2 | R | 1.900" | 200 | 0.820" |
| 4231 | 1.060" TOP 1.290" BOT | 0.650" TOP 0.875" BOT | | 1 Conical | R | 2.200" | 280 | 1.090" |
| 4235 | 1.270" | 0.885" | 0.752" | 1 + Damper | R | 2.200" | 390 | 1.080" |
| 4250 ^D | 1.214" | 0.926" | 0.870" | 2 | R | 1.950" | 250 | 0.817" |
| 4320 | 1.255" | 0.920" | | 1 | L | 2.100" | 230 | 0.930" |
| 4326 ^D | 1.255" | 0.920" | 0.710" | 2 | L | 2.100" | 250 | 0.950" |
| 4327 ^D | 1.255" | 0.920" | 0.684" | 2 | L | 2.100" | 270 | 0.940" |
| 4328 ^D | 1.255" | 0.920" | 0.665" | 2 | L | 2.100" | 260 | 0.940" |
| 4330 ^D | 1.280" | 0.926" | 0.700" | 2 | R | 1.960" | 315 | 0.925" |

Note: Springs marked with xxxx-xx^D denotes that it is a double spring.

VALVE SPRINGS PART NUMBER ORDER

| Part Number | O/D | ID of Outer | ID of Inner | Spring Type | RH or LH (Outer) | Free Length | Spring Rate (lb/in) | Solid Height |
|--------------------------|--------------------------|--------------------------|-------------|-------------|------------------|-------------|---------------------|--------------|
| 4334 ^D | 1.280" | 0.950" | 0.710" | 2 | L | 2.130" | 340 | 0.950" |
| 4335 ^D | 1.280" | 0.950" | 0.684" | 2 | L | 2.170" | 355 | 0.950" |
| 4336 ^D | 1.255" | 0.920" | 0.700" | 2 | L | 2.100" | 310 | 0.850" |
| 4403 | 1.000" | 0.700" | | 1 | R | 1.900" | 260 | 0.945" |
| 4420 | 1.110" TOP 1.440" BOT | 0.660" TOP 0.990" BOT | | 1 Conical | R | 2.445" | 360 | 1.200" |
| 4429 ^D | 1.167" | 0.860" | 0.660" | 2 | R | 1.820" | 240 | 0.810" |
| 4435 | 1.030" TOP 1.200" BOT | 0.625" TOP 0.780" BOT | | 1 Conical | R | 2.220" | 350 | 1.110" |
| 4437 ^D | 1.255" | 0.920" | 0.684" | 2 | L | 2.100" | 305 | 0.875" |
| 4438 ^D | 1.295" | 0.948" | 0.675" | 2 | R | 2.245" | 380 | 1.025" |
| 4439 ^D | 1.305" | 0.950" | 0.694" | 2 | R | 2.330" | 392 | 1.020" |
| 4511X | 1.055" TOP 1.290" BOT | 0.650" TOP 0.885" BOT | | 1 Conical | R | 2.200" | 380 | 1.100" |
| 4718 | 1.255" | 0.920" | 0.835" | 1 + Damper | L | 2.100" | 230 | 0.930" |
| 4719 | 1.255" | 0.920" | 0.835" | 1 + Damper | L | 2.100" | 220 | 0.930" |
| 4823 | 1.275" | 0.930" | 0.825" | 1 + Damper | L | 2.160" | 260 | 0.960" |
| 4828 | 1.275" | 0.920" | | 1 | R | 2.140" | 340 | 1.080" |
| 4830 | 1.220" | 0.860" | 0.755" | 1 + Damper | R | 2.080" | 310 | 1.100" |
| 4833 | 1.255" | 0.880" | 0.780" | 1 + Damper | R | 2.040" | 415 | 1.080" |
| 4835 | 1.225" | 0.875" | 0.750" | 1 + Damper | R | 2.165" | 290 | 1.090" |
| 4836 | 1.255" | 0.880" | 0.780" | 1 + Damper | R | 2.040" | 395 | 1.080" |
| 4843 | 1.260" | 0.875" | 0.780" | 1 + Damper | R | 2.030" | 400 | 1.160" |
| 4845 | 1.270" | 0.875" | 0.800" | 1 + Damper | R | 2.130" | 390 | 1.140" |
| 4910 ^D | 1.550" | 1.150" | 0.815" | 2 | L | 2.466" | 540 | 1.110" |
| 4918 | 1.050" TOP 1.295" BOT | 0.645" TOP 0.880" BOT | | 1 Conical | R | 2.325" | 300 | 1.090" |
| 4920 ^D | 1.560" | 1.090" | 0.775" | 2 | R | 2.475" | 620 | 1.180" |
| 4931 | 1.240" | 0.880" | 0.780" | 1 + Damper | R | 2.020" | 300 | 1.100" |
| 4936 | 1.240" | 0.880" | 0.780" | 1 + Damper | R | 2.020" | 300 | 1.100" |
| 5002 | 1.510" | 1.090" | 0.970" | 1 + Damper | L | 2.200" | 345 | 1.300" |
| 5014 | 1.420" | 1.010" | | 1 | L | 2.145" | 310 | 1.250" |
| 5037 | 1.230" | 0.875" | | 1 | R | 2.060" | 265 | 1.230" |
| 5038 | 1.211" | 0.857" | 0.750" | 1 | R | 1.780" | 340 | 1.010" |

Note: Springs marked with xxxx-xx^D denotes that it is a double spring.

VALVE SPRINGS PART NUMBER ORDER

| Part Number | O/D | ID of Outer | ID of Inner | Spring Type | RH or LH (Outer) | Free Length | Spring Rate (lb/in) | Solid Height |
|--------------------------|--------|-------------|-------------|-------------|------------------|-------------|---------------------|--------------|
| 5077 | 1.500" | 1.080" | 0.990 | 1 + Damper | R | 1.960" | 355 | 1.095" |
| 5078 ^D | 1.332" | 0.990" | 0.715 | 2 | L | 1.835" | 330 | 1.070" |
| 5080 | 1.283" | 0.930" | | 1 | R | 1.750" | 240 | 0.930" |
| 5088 | 1.375" | 0.960" | | 1 | R | 2.050" | 335 | 1.200" |
| 5091 | 1.500" | 1.080" | 0.990 | 1 + Damper | R | 1.960" | 360 | 1.095" |
| 5092 | 1.390" | 1.000" | | 1 | R | 2.035" | 245 | 1.120" |
| 5094 | 1.420" | 1.000" | | 1 | L | 2.120" | 350 | 1.265" |
| 5107 | 1.330" | 0.960" | | 1 | R | 1.920" | 230 | 0.930" |
| 5825 | 1.330" | 0.960" | | 1 | R | 1.935" | 230 | 0.950" |
| 5827 | 1.330" | 0.980" | | 1 | R | 1.860" | 228 | 0.840" |
| 5828 ^D | 1.330" | 0.980" | 0.660" | 2 | R | 1.860" | 350 | 0.840" |
| 5833 ^D | 1.330" | 0.980" | 0.760" | 2 | R | 2.100" | 320 | 0.900" |
| 5835 ^D | 1.325" | 0.971" | 0.710" | 2 | R | 1.900" | 340 | 0.950" |
| 5838 ^D | 1.330" | 0.970" | 0.690" | 2 | R | 1.940" | 370 | 0.950" |
| 5840 ^D | 1.330" | 0.980" | 0.720" | 2 | R | 1.930" | 335 | 0.860" |
| 5844-IRH | 0.950" | 0.710" | | 1 | R | 1.955" | 95 | 0.750" |
| 5854 ^D | 1.335" | 0.980" | 0.690" | 2 | R | 1.960" | 410 | 0.900" |
| 6038 | 1.255" | 0.900" | | 1 | R | 2.050" | 340 | 1.170" |
| 7328 ^D | 1.430" | 1.080" | 0.810" | 2 | L | 2.290" | 280 | 0.960" |
| 7329 ^D | 1.435" | 1.075" | 0.800" | 2 | L | 2.400" | 285 | 0.945" |
| 7331 ^D | 1.455" | 1.090" | 0.800" | 2 | L | 2.380" | 310 | 1.050" |
| 7332 ^D | 1.455" | 1.090" | 0.810" | 2 | L | 2.380" | 315 | 1.050" |
| 7333 ^D | 1.455" | 1.090" | 0.810" | 2 | L | 2.380" | 310 | 1.050" |
| 7334 ^D | 1.455" | 1.080" | 0.810" | 2 | L | 2.440" | 320 | 1.050" |
| 7335 | 1.465" | 1.070" | | 1 | L | 2.410" | 285 | 1.040" |
| 7341 ^D | 1.470" | 1.080" | 0.800" | 2 | L | 2.280" | 430 | 1.050" |
| 7342 ^D | 1.470" | 1.080" | 0.810" | 2 | L | 2.240" | 390 | 1.040" |
| 7733 ^D | 1.465" | 1.085" | 0.790" | 2 | L | 2.470" | 320 | 1.030" |
| 7734 ^D | 1.425" | 1.080" | 0.800" | 2 | L | 2.400" | 280 | 1.000" |
| 7736 | 1.437" | 1.030" | 0.940" | 1 + Damper | L | 2.040" | 330 | 1.100" |

Note: Springs marked with xxxx-xx^D denotes that it is a double spring.

VALVE SPRINGS PART NUMBER ORDER

| Part Number | O/D | ID of Outer | ID of Inner | Spring Type | RH or LH (Outer) | Free Length | Spring Rate (lb/in) | Solid Height |
|--------------------------|--------|-------------|-------------|-------------|------------------|-------------|---------------------|--------------|
| 7737 | 1.510" | 1.086" | 0.965" | 1 + Damper | L | 2.220" | 360 | 1.310" |
| 7738 | 1.475" | 1.055" | 0.960" | 1 + Damper | L | 2.210" | 350 | 1.180" |
| 7739 | 1.420" | 1.015" | 0.916" | 1 + Damper | R | 2.160" | 330 | 1.150" |
| 7930 ^o | 1.460" | 1.000" | .690" | 2 + Damper | L | 2.360" | 350 | 1.070" |
| 7937 ^o | 1.465" | 1.000" | 0.720" | 2 + Damper | L | 2.360" | 350 | 1.080" |
| 8333 ^o | 1.515" | 1.120" | 0.800" | 2 | L | 2.480" | 350 | 1.210" |
| 8335 ^o | 1.515" | 1.120" | 0.795" | 2 | L | 2.480" | 322 | 1.210" |
| 8337 ^o | 1.515" | 1.130" | 0.795" | 2 | L | 2.350" | 360 | 1.114" |
| 8937 ^o | 1.530" | 0.980" | 0.760" | 2 + Damper | L | 2.335" | 370 | 1.180" |
| 8945 ^o | 1.510" | 1.115" | 0.760" | 2 | L | 2.510" | 500 | 1.040" |
| 9731 | 1.550" | 1.125" | 1.000" | 1 + Damper | L | 2.460" | 320 | 1.180" |
| 9936 ^o | 1.539" | 0.990" | 0.765" | 2 + Damper | L | 2.450" | 390 | 1.180" |
| 9941 ^o | 1.540" | 1.025" | 0.740" | 2 + Damper | R | 2.380" | 440 | 1.140" |
| 9945 ^o | 1.540" | 1.000" | 0.690" | 2 + Damper | L | 2.475" | 460 | 1.110" |
| 9950 ^o | 1.540" | 1.000" | 0.725" | 2 + Damper | L | 2.475" | 470 | 1.110" |

Note: Springs marked with xxxx-xx^o denotes that it is a double spring.

VALVE SPRINGS

VALVE SPRINGS OUTSIDE DIAMETER ORDER

| Part Number | O/D | ID of Outer | ID of Inner | Spring Type | RH or LH (Outer) | Free Length | Spring Rate (lb/in) | Solid Height |
|--------------------------|--------------------------|--------------------------|-------------|-------------|------------------|-------------|---------------------|--------------|
| 514 | 0.838" | 0.612" | | 1 | L | 1.500" | 145 | 0.710" |
| 607 | 0.910" | 0.684" | | 1 | L | 1.970" | 80 | 0.780" |
| 511 | 0.937" | 0.697" | | 1 | L | 1.490" | 123 | 0.740" |
| 1832 | 0.945" TOP 1.101" BOT | 0.580" TOP 0.735" BOT | | 1 Conical | R | 1.795" | 310 | 0.900" |
| 5844-IRH | 0.950" | 0.710" | | 1 | R | 1.955" | 95 | 0.750" |
| 513 | 0.953" | 0.697" | | 1 | L | 1.937" | 132 | 0.930" |
| 1808 | 0.970" TOP 1.060" BOT | 0.645" TOP 0.727" BOT | | 1 Conical | R | 2.035" | 215 | 0.880" |
| 1804 | 0.980" TOP 1.065" BOT | 0.995" TOP 0.635" BOT | | 1 Conical | R | 2.085" | 280 | 1.020" |
| 1809 | 0.985" TOP 1.060" BOT | 0.640" TOP 0.730" BOT | | 1 Conical | R | 2.180" | 200 | 0.900" |
| 507 | 1.000" | 0.760" | | 1 | L | 2.050" | 75 | 0.750" |
| 4403 | 1.000" | 0.700" | | 1 | R | 1.900" | 260 | 0.945" |
| 615 | 1.015" | 0.740" | | 1 | L | 2.000" | 135 | 0.870" |
| 515 | 1.015" | 0.725" | | 1 | L | 2.165" | 155 | 1.060" |
| 4435 | 1.030" TOP 1.200" BOT | 0.625" TOP 0.780" BOT | | 1 Conical | R | 2.220" | 350 | 1.110" |
| 4021 | 1.045" TOP 1.245" BOT | 0.670" TOP 0.870" BOT | | 1 Conical | R | 1.970" | 350 | 1.190" |
| 4164 | 1.050" | 0.735" | | 1 | R | 1.740" | 265 | 0.840" |
| 4918 | 1.050" TOP 1.295" BOT | 0.645" TOP 0.880" BOT | | 1 Conical | R | 2.325" | 300 | 1.100" |
| 4511X | 1.055" TOP 1.290" BOT | 0.650" TOP 0.885" BOT | | 1 Conical | R | 2.200" | 380 | 1.100" |
| 4231 | 1.060" TOP 1.290" BOT | 0.650" TOP 0.875" BOT | | 1 Conical | R | 2.200" | 280 | 1.090" |
| 613 | 1.080" | 0.796" | | 1 | R | 2.230" | 130 | 1.000" |
| 612 | 1.090" | 0.810" | | 1 | R | 2.055" | 120 | 0.880" |
| 4162 | 1.100" | 0.765" | | 1 | R | 1.895" | 260 | 0.980" |
| 4420 | 1.110" TOP 1.440" BOT | 0.660" TOP 0.990" BOT | | 1 Conical | R | 2.445" | 360 | 1.200" |
| 4177 ^o | 1.113" | 0.805" | 0.636" | 2 | R | 1.660" | 230 | 0.730" |
| 2021 | 1.134" | 0.838" | | 1 | R | 1.622" | 210 | 0.750" |
| 2834 ^o | 1.134" | 0.838" | 0.612" | 2 | R | 1.622" | 400 | 0.750" |
| 2836 ^o | 1.134" | 0.838" | 0.612" | 2 | R | 1.622" | 380 | 0.770" |
| 4163 | 1.165" | 0.825" | | 1 | R | 1.980" | 250 | 0.975" |
| 4429 ^o | 1.167" | 0.860" | 0.660" | 2 | R | 1.820" | 240 | 0.810" |

Note: Springs marked with xxxx-xx^o denotes that it is a double spring.