

Quantity Valve closing Angle °	Quantity Valve opening Angle °	Fuel Rail (actual) bar	RPM (G28) /min	Engine Load %	Boost (specified) mbar	Boost (actual) mbar
68.8	-40.0	105.13	1760	95.5	1680.0	1220.0
70.4	-41.6	106.56	1800	91.0	1730.0	1250.0
68.8	-40.0	108.97	1840	94.0	1770.0	1270.0
73.6	-44.8	109.87	1920	97.0	1880.0	1300.0
73.6	-46.4	113.14	1960	98.5	1960.0	1330.0
73.6	-46.4	115.87	2040	103.0	2030.0	1360.0
76.8	-49.6	117.15	2120	108.3	2120.0	1410.0
78.4	-48.0	119.78	2160	111.3	2200.0	1460.0
78.4	-48.0	120.39	2240	115.8	2290.0	1500.0
80.0	-48.0	120.76	2320	121.1	2340.0	1570.0
81.6	-49.6	120.73	2360	124.8	2370.0	1620.0
81.6	-48.0	121.36	2440	130.1	2410.0	1680.0
84.8	-51.2	120.48	2520	134.6	2450.0	1760.0
86.4	-51.2	120.65	2600	145.9	2460.0	1870.0
91.2	-54.4	120.81	2680	155.6	2480.0	2000.0
91.2	-54.4	122.51	2800	172.2	2490.0	2180.0
94.4	-54.4	123.29	2880	179.7	2500.0	2300.0
97.6	-56.0	122.68	3000	189.5	2510.0	2380.0
102.4	-59.2	122.65	3200	191.7	2530.0	2460.0
105.6	-59.2	120.94	3320	191.7	2540.0	2490.0
104.0	-59.2	121.51	3400	191.7	2540.0	2480.0
104.0	-57.6	122.53	3480	191.7	2540.0	2460.0
105.6	-59.2	121.26	3600	191.7	2540.0	2460.0
105.6	-57.6	122.55	3720	191.7	2530.0	2450.0
105.6	-57.6	119.51	3840	191.7	2530.0	2500.0
105.6	-56.0	119.75	3880	191.7	2540.0	2520.0
112.0	-60.8	118.81	4000	191.7	2540.0	2510.0
108.8	-59.2	119.58	4120	191.7	2540.0	2510.0
110.4	-59.2	119.18	4200	191.7	2540.0	2520.0
112.0	-62.4	119.17	4320	191.7	2540.0	2520.0
108.8	-57.6	123.30	4440	191.7	2540.0	2530.0
112.0	-65.6	118.33	4560	191.7	2540.0	2520.0
113.6	-65.6	118.72	4640	191.7	2540.0	2520.0
112.0	-62.4	121.21	4760	191.7	2540.0	2560.0
113.6	-65.6	120.71	4840	191.7	2540.0	2560.0
113.6	-65.6	120.91	4960	191.7	2540.0	2560.0
112.0	-65.6	123.44	5080	191.7	2540.0	2560.0
113.6	-65.6	120.08	5160	191.7	2540.0	2540.0
113.6	-65.6	121.85	5240	191.7	2540.0	2510.0
115.2	-65.6	119.00	5360	191.7	2540.0	2500.0
115.2	-65.6	118.75	5400	191.7	2540.0	2490.0
116.8	-67.2	117.37	5520	191.7	2540.0	2480.0
115.2	-64.0	122.36	5600	191.7	2530.0	2470.0
115.2	-62.4	123.72	5640	191.7	2530.0	2470.0
112.0	-59.2	126.20	5720	190.2	2520.0	2460.0
110.4	-57.6	124.93	5840	188.0	2500.0	2460.0
108.8	-54.4	126.23	5920	189.5	2480.0	2420.0

107.2	-51.2	127.05	6040	188.7	2440.0	2400.0
102.4	-46.4	127.55	6160	187.2	2400.0	2380.0
96.0	-38.4	128.95	6200	185.0	2400.0	2360.0
91.2	-33.6	128.95	6280	182.0	2390.0	2330.0
83.2	-32.0	129.19	6360	179.7	2390.0	2320.0
78.4	-35.2	128.75	6440	177.4	2380.0	2310.0
64.0	-36.8	128.94	6520	178.9	2380.0	2290.0
59.2	-38.4	129.93	6560	176.7	2380.0	2270.0
59.2	-40.0	130.30	6640	172.9	2340.0	2260.0
59.2	-41.6	130.90	6720	172.9	2320.0	2240.0
59.2	-43.2	129.50	6760	171.4	2280.0	2240.0
60.8	-44.8	131.75	6840	169.9	2240.0	2230.0
60.8	-46.4	128.19	6880	169.2	2240.0	2210.0
60.8	-46.4	130.49	6920	166.9	2210.0	2210.0
62.4	-48.0	129.97	5960	172.2	2370.0	2260.0
100.8	-49.6	95.93	5360	183.5	2490.0	2510.0
112.0	-62.4	98.42	5360	191.7	2540.0	2640.0
120.0	-70.4	104.96	5400	191.7	2530.0	2660.0
116.8	-65.6	113.02	5480	191.7	2530.0	2620.0
115.2	-64.0	116.62	5520	191.7	2530.0	2550.0
116.8	-65.6	116.50	5560	191.0	2530.0	2510.0
112.0	-59.2	123.83	5600	189.5	2530.0	2500.0
116.8	-64.0	115.22	5600	188.7	2530.0	2490.0
110.4	-57.6	126.00	5640	188.0	2530.0	2490.0
113.6	-60.8	120.45	5680	188.7	2530.0	2490.0
112.0	-57.6	122.80	5760	188.7	2530.0	2490.0
110.4	-56.0	124.63	5760	188.7	2530.0	2490.0
108.8	-54.4	124.39	5800	188.7	2530.0	2490.0
108.8	-54.4	122.82	5880	190.2	2500.0	2480.0
105.6	-51.2	126.12	5880	186.5	2490.0	2480.0
105.6	-49.6	121.80	5960	188.7	2470.0	2470.0
104.0	-48.0	126.37	6000	188.0	2450.0	2450.0
99.2	-43.2	128.02	6040	186.5	2440.0	2440.0
97.6	-41.6	127.01	6080	185.7	2430.0	2420.0
96.0	-38.4	122.56	6080	185.7	2420.0	2410.0
99.2	-41.6	119.24	6160	183.5	2420.0	2400.0
92.8	-35.2	124.88	6160	181.2	2420.0	2390.0
84.8	-28.8	129.25	6200	182.7	2410.0	2380.0
80.0	-30.4	127.97	6240	180.5	2410.0	2380.0
68.8	-32.0	129.18	6240	179.7	2410.0	2370.0
56.0	-32.0	129.65	6320	181.2	2410.0	2360.0
57.6	-32.0	128.33	6320	181.2	2410.0	2360.0
56.0	-33.6	129.33	6360	178.9	2410.0	2360.0
57.6	-35.2	130.09	6400	177.4	2410.0	2370.0
57.6	-35.2	128.87	6440	177.4	2410.0	2370.0
57.6	-35.2	128.63	6480	178.9	2410.0	2360.0
57.6	-36.8	129.30	6480	175.9	2410.0	2350.0
57.6	-36.8	129.72	6520	176.7	2400.0	2350.0
57.6	-38.4	129.20	6520	175.9	2400.0	2350.0
59.2	-38.4	129.74	6600	174.4	2400.0	2330.0

59.2	-40.0	129.12	6600	175.9	2390.0	2330.0
59.2	-40.0	128.59	6640	174.4	2370.0	2310.0
59.2	-41.6	130.12	6640	172.2	2370.0	2320.0
59.2	-41.6	130.00	6680	174.4	2350.0	2310.0
59.2	-43.2	129.68	6720	172.2	2330.0	2300.0
59.2	-43.2	129.42	6760	172.9	2320.0	2290.0
60.8	-43.2	129.68	6800	170.7	2320.0	2290.0
60.8	-43.2	129.94	6800	170.7	2310.0	2280.0
60.8	-44.8	130.58	6840	169.2	2280.0	2280.0
60.8	-46.4	129.41	6880	169.2	2290.0	2280.0
60.8	-46.4	130.55	6880	166.9	2260.0	2270.0
60.8	-46.4	130.03	6880	167.7	2250.0	2270.0
60.8	-46.4	131.71	6880	167.7	2260.0	2260.0
62.4	-48.0	130.59	6960	166.9	2240.0	2270.0
62.4	-48.0	132.13	6960	166.2	2230.0	2270.0
62.4	-48.0	131.16	6960	166.2	2230.0	2260.0
62.4	-49.6	130.78	6960	166.9	2220.0	2260.0
62.4	-48.0	130.10	6040	171.4	2410.0	2350.0
52.8	-22.4	116.86	5640	182.7	2460.0	2530.0
113.6	-57.6	89.42	5680	191.7	2540.0	2660.0
108.8	-52.8	115.77	5720	191.7	2350.0	2680.0
112.0	-56.0	114.18	5680	157.9	1430.0	2200.0
84.8	-27.2	111.26	5640	80.5	760.0	2000.0
52.8	-16.0	101.32	5640	28.6	420.0	1600.0
52.8	-16.0	81.67	5640	15.8	300.0	1340.0