

RPM	Intake right cam angle [Crank degrees]	Spec Angle Intake left cam [degrees]	Intake right cam error	Intake left cam angle [crank degrees]	Spec Angle Intake right cam [degrees]	Intake left cam error	Exhaust right cam angle [crank degrees]	Spec Angle Exhaust right cam [degrees]	Exhaust right cam error	Exhaust left cam angle [crank degrees]	Spec Angle Exhaust left cam [degrees]	Exhaust left cam error
2049.5 1/min	12.000769	12.0078125	0.0070435	11.907012	11.8125	-0.094512	0.015626	-0.25	-0.265626	-0.54691	0.171875	0.718785
2046.5 1/min	11.219468	11.515625	0.296157	11.922638	11.4921875	-0.4304505	-0.046878003	0.3828125	0.429690503	0.328146	0.2734375	-0.0547085
2039.75 1/min	11.79763	11.3046875	-0.4929425	11.141338	10.953125	-0.188213	0.593788	1.359375	0.765587	1.5626	1.296875	-0.265725
2023.25 1/min	9.906884	12.09375	2.186866	11.141338	14.0234375	2.8820995	-4.594044	-5.265625	-0.671581	-5.172206	-5.5703125	-0.3981065
2010.25 1/min	14.000896	14.0859375	0.0850415	14.360294	13.59375	-0.766544	-4.37528	-1.5625	2.81278	-3.375216	1.09375	4.468966
2011.5 1/min	10.406917	11.1015625	0.6946455	10.719436	12.5859375	1.8665015	-2.6876721	-2.53125	0.1564221	-2.234518	-3.640625	-1.406107
1987.75 1/min	12.11015	12.65625	0.5461	12.610182	12.5390625	-0.0711195	-1.578226	-1.8984375	-0.3202115	-1.8282421	-1.8984375	-0.0701954
1975 1/min	11.313224	10.8125	-0.500724	11.56324	10.28125	-1.28199	2.10951	3.2421875	1.1326775	3.078322	4.359375	1.281053
2033 1/min	10.00064	9.609375	-0.391265	9.234966	9.796875	0.561909	10.485046	10.9765625	0.4915165	10.969452	10.96875	-0.000702
2083.5 1/min	8.609926	4.015625	-4.594301	4.4221582	2	-2.4221582	-15.485366	-15	0.485366	-15.516618	-15	0.516618
2055.5 1/min	1.812616	2	0.187384	1.734486	2	0.265514	-15.454114	-15	0.454114	-14.938457	-15	-0.061543
2897.25 1/min	-0.296894	-1.179687	-0.882793	-0.93756	-1.2265625	-0.2890025	-15.516618	-13.109375	2.407243	-15.829138	-12.9140625	2.9150755
3518.5 1/min	-0.984438	-0.296875	0.687563	0.20313801	2.3203125	2.11717449	-11.516362	-11.140625	0.375737	-10.922574	-11.0078125	-0.0852385
4125.25 1/min	4.109638	3.6796875	-0.4299505	3.82837	3.625	-0.20337	-11.000704	-10.2421875	0.7585165	-11.031956	-9.7890625	1.2428935
5662 1/min	14.500928	15.9375	1.436572	17.407364	18.9375	1.530136	-6.906692	-4.8671875	2.0395045	-5.828498	-4.828125	1.000373
6140 1/min	22.204546	21.929688	-0.274858	21.907652	22.40625	0.498598	-4.719052	-4.0703125	0.6487395	-4.625296	-4.0234375	0.6018585
6376.75 1/min	24.407812	23.53125	-0.876562	23.704643	23.648438	-0.056205	-4.60967	-4	0.60967	-4.328402	-4	0.328402
6643.5 1/min	25.0016	24.34375	-0.65785	25.0016	24.453125	-0.548475	-4.4065323	-4	0.4065323	-4.031508	-4	0.031508
5175.75 1/min	10.610054	9.3359375	-1.2741165	9.406852	8.328125	-1.078727	-7.3129683	-7	0.3129683	-7.42235	-7	0.42235
5073.75 1/min	7.7973742	8.6015625	0.8041883	8.406788	9.078125	0.671337	-7.10983	-7	0.10983	-7.0317	-7	0.0317
5233 1/min	9.7975025	10.390625	0.5931225	10.203778	10.3515625	0.1477845	-7.016074	-7	0.016074	-7.328594	-7	0.328594
5360 1/min	12.297662	12.0859375	-0.2117245	12.203906	12.3515625	0.1476565	-6.8129363	-7	-0.1870637	-6.8285623	-7	-0.1714377
5499.25 1/min	14.204034	14.3203125	0.1162785	14.610311	14.515625	-0.094686	-7.10983	-6.6640625	0.4457675	-7.0317	-6.65625	0.37545
5663.25 1/min	15.70413	15.71875	0.01462	15.797886	10.7578125	-5.0400735	-6.71918	-3.59375	3.12543	-6.531668	-0.7578125	5.7738555
5421 1/min	13.297727	14.9296875	1.6319605	14.297791	15.3515625	1.0537715	13.282101	14.703125	1.421024	14.266539	14.5390625	0.2725235
4310.25 1/min	17.297983	18.289062	0.991079	17.297983	18.328125	1.030142	24.689081	13.65625	-11.032831	11.578866	13.3515625	1.7726965
3659 1/min	17.516747	17.726562	0.209815	16.704195	17.695312	0.991117	13.90714	12.6875	-1.21964	13.875888	12.6796875	-1.1962005
3524.75 1/min	17.11047	17.539062	0.428592	17.42299	17.539062	0.116072	12.985207	12.5078125	-0.4773945	13.67275	12.5078125	-1.1649375
3480 1/min	16.422926	17.335938	0.913012	17.329235	17.304688	-0.024547	14.000896	12.890625	-1.7118335	12.672687	12.28125	-0.391437
3446 1/min	16.422926	15.4140625	-1.0088635	15.907269	16.648438	0.741169	14.407172	12.4375	-1.969672	13.266474	12.2421875	-1.0242865
3475.75 1/min	14.204034	13.0859375	-1.1180965	13.219596	13.7890625	0.5694665	16.282291	15.796875	-0.485416	16.87608	16.226562	-0.649518
3454.5 1/min	12.219532	12	-0.219532	12.42267	13.75	1.32733	15.985398	16.328125	0.342727	16.87608	16.171875	-0.704205
3431.25 1/min	12.610182	12.8828125	0.2726305	12.828946	12.8984375	0.0694915	17.610502	16.1875	-1.423002	16.266666	15.75	-0.516666
3419.75 1/min	13.500864	14.1328125	0.6319485	13.704002	15.6015625	1.8975605	14.797822	11.796875	-3.000947	12.078898	11.9296875	-0.1492105
3338.5 1/min	16.204163	16.273438	0.069275	17.219852	16.273438	-0.946414	11.0944605	11.375	0.2805395	11.17259	11.28125	0.10866
3215.75 1/min	15.407236	15.296875	-0.110361	15.219725	15.296875	0.07715	11.110086	10.6484375	-0.4616485	11.281972	10.515625	-0.766347
3079 1/min	14.422798	14.1640625	-0.2587355	14.329042	14.0390625	-0.2899795	9.891258	9.8046875	-0.0865705	9.875632	9.7109375	-0.1646945
2965.5 1/min	13.0164585	13.5703125	0.553854	13.422734	13.5546875	0.1319535	9.188088	9.86875	-0.219338	9.3756	8.90625	-0.46935
2927.75 1/min	13.51649	13.5078125	-0.0086775	13.625873	13.5	-0.125873	9.29747	8.5625	-0.73497	8.578674	8.484375	-0.094299
2896.5 1/min	13.20397	13.4375	0.23353	13.719628	13.4296875	-0.2899405	8.90682	8.1328125	-0.7740075	7.96926	8.078125	0.108865
2836.75 1/min	13.610247	13.2890625	-0.3211845	12.7039385	13.2578125	0.553874	7.484854	7.109375	-0.375479	7.57861	6.8671875	-0.7114225
2714 1/min	13.20397	13.03125	-0.17272	12.73519	12.984375	0.249185	6.5004163	5.59375	-0.9066663	6.078514	5.46875	-0.609764
2657.25 1/min	12.797694	12.921875	0.124181	13.532116	12.90625	-0.625866	4.8909383	5.1953125	0.3043742	5.265962	5.578125	0.312163
2708 1/min	9.516234	9.71875	0.202516	8.90682	9.2578125	0.3509925	10.78194	11.3828125	0.6008725	11.360102	11.3828125	0.0227105
2682.25 1/min	8.609926	8.796875	0.186949	8.734934	8.75	0.015066	9.500608	8.8125	-0.688108	8.531796	8.7890625	0.2572665
2702 1/min	8.703682	8.0234375	-0.6802445	8.063016	7.9140625	-0.1489535	4.625296	3.7734375	-0.8518585	4.359654	3.4765625	-0.8830915
2730.5 1/min	7.016074	7.4609375	0.4448635	7.234838	7.7421875	0.5073495	2.593916	5.4609375	2.8670215	5.3753443	6.3203125	0.9449682
2745.25 1/min	8.703682	8.546875	-0.156807	9.328722	8.71875	-0.609972	8.313032	9.390625	1.077593	9.031828	10.4375	1.405672
2758 1/min	9.21934	9.28125	0.06191	8.797438	9.234375	0.436937	10.953826	9.2734375	-1.6803885	10.656932	9.2734375	-1.3834945
2766.5 1/min	9.813128	9.5	-0.313128	9.860006	9.265625	-0.594381	11.188216	7.40625	-3.781966	9.250592	7.40625	-1.844342
2758.75 1/min	9.29747	9.78125	0.48378	9.406852	9.6953125	0.2884605	12.844572	12.7734375	-0.0711345	13.67275	12.7734375	-0.8993125
2695.25 1/min	9.60999	9.671875	0.061885	9.656868	9.4609375	-0.1959305	14.3134165	13.1171875	-1.196229	13.328979	13.1171875	-0.2117915
2224 1/min	8.90682	9.3984375	0.4916175	8.406788	8.671875	0.265087	7.687992	9.9453125	2.2573205	9.266218	11.8984375	2.6322195
2566.5 1/min	9.109958	8.6015625	-0.5083955	8.234902	8.4140625	0.1791605	13.141466	13.1484375	0.0069715	13.375856	13.2421875	-0.1336685
2556.75 1/min	9.29747	9.1015625	-0.1959075	9.359974	9.2265625	-0.1334115	13.3446045	13.234375	-0.1102295	13.469612	8.2578125	-5.2117995
2985.75 1/min	8.90682	8.9140625	0.0072425	8.90682	8.78125	-0.125577	6.781684	10.6328125	3.8511285	9.781877	12.5390625	2.7571855
3381.25 1/min	10.719436	10.3359375	-0.3834985	10.110023	10.234375	0.124352	17.704258	17.171875	-0.532383	17.376112	17.039062	-0.33705
3513 1/min	8.703682	5.4609375	-3.2427445	7.0317	5.4609375	-1.5707625	8.703682	7.5899375	-1.1177445	8.375536	7.4375	-0.938036
3539.25 1/min	5.422222	5.671875	0.249653	5.406596	5.765625	0.359029	9.703746	9.6640625	-0.0396835	10.485046	9.9765625	-0.5084835
3571 1/min	5.719116	5.328125	-0.390991	5.922254	5.2890625	-0.6331915	7.391098	8.109375	0.718277	8.875568	8.125	-0.750568
3635.25 1/min	5.297214	5.25	-0.047214	4.797182	5.3671875	0.5700055	10.500672	9.625	-0.875672	10.375664	9.8984375	-0.4772265
3679 1/min	5.719116	5.984375	0.265259	5.609734	6.4296875	0.8199535	10.094397	11.2421875	1.1477905	12.57893	12.5859375	0.0070075
3691.25 1/min	7.703618	6.3984375	-1.3051805	7.1254563	7.0546875	-0.0707688	13.20397	15.1640625	1.9600925	15.07909	16.820312	1.741222
3709 1/min	9.500608	9.7109375	0.2103295	9.828754	9.6015625	-0.2271915	16.48543	17.453125	0.967695	16.672943	17.171875	0.498932
3728.5 1/min	9.21934	10	0.78066	9.7975025	10.5	0.7024975	19.110598	18	-1.110598	18.376177	18	-0.376177
3734 1/min	10.110023	10.375	0.264977	10.531924	10.3359375	-0.1959865	17.1886	18	0.8114	17.876144	18	0.123856
3749.25 1/min	9.516234	10.640625	1.124391	10.531924	10.640625	0.108701	18.094908	18	-0.094908	18.67307	18	-0.67307
3743.75 1/min	10.31316	10.4296875	0.1165275	10.328786	10.4140625	0.0852765	17.1886	17.914062	0.725462	17.985527	17.914062	-0.071465
3713.25 1/min	14.7978											

2362 1/min	10.797566	11.0546875	0.2571215	10.797566	11.0625	0.264934	4.281524	4.4375	0.155976	4.37528	4.5234375	0.1481575
2365 1/min	10.922574	11.640625	0.718051	11.235094	9.1640625	-2.0710315	5.109702	8.7421875	3.6324855	8.469292	9.0390625	0.5697705
2369.75 1/min	8.016138	8.2734375	0.2572995	8.000512	8.2421875	0.2416755	11.000704	10.40625	-0.594454	10.563176	10.3984375	-0.1647385
2377.25 1/min	8.313032	8.2421875	-0.0708445	8.656804	8.25	-0.406804	10.516298	9.328125	-1.188173	9.469357	5.984375	-3.484982
2356.5 1/min	9.60999	9.6875	0.07751	9.703746	8.5703125	-1.1334335	7.2817163	8.703125	1.4214087	8.953698	8.9765625	0.0228645
2343 1/min	8.406788	8.609375	0.202587	8.000512	8.59375	0.593238	8.5943	9.3203125	0.7260125	9.4849825	9.5	0.0150175
2340.5 1/min	8.500545	8.296875	-0.20367	7.7973742	8.28125	0.4838758	9.68812	9.5234375	-0.1646825	9.672494	9.234375	-0.438119
2343.75 1/min	8.922446	9.578125	0.655679	9.719372	10.21875	0.499378	6.79731	3.796875	-3.000435	1.87512	0.8046875	-1.0704325
2293.5 1/min	13.297727	12.203125	-1.094602	12.969581	11.828125	-1.141456	1.9845021	4.140625	2.1561229	4.281524	4.703125	0.421601
2296 1/min	9.422478	9.6640625	0.2415845	9.860006	9.46875	-0.391256	6.1878963	7.171875	0.9839787	7.172334	7.765625	0.593291
2214.75 1/min	9.203714	8.6875	-0.516214	8.922446	8.7109375	-0.2115085	11.719501	11.296875	-0.422626	11.360102	11.2890625	-0.0710395
2214.25 1/min	8.5161705	8.578125	0.0619545	8.859942	8.5859375	-0.2740045	11.703875	10.90625	-0.797625	11.235094	10.9140625	-0.3210315
2199 1/min	9.000576	8.59375	-0.406826	8.000512	8.59375	0.593238	8.5943	7.6328125	-0.9614875	8.078642	7.5859375	-0.4927045