



Head # Z20 Date Jan 24 2016

Engine code EJ20

Performance stock

Intake			Exhaust		
Lift		CFM	Lift		CFM
Inches	MM		Inches	MM	
0.050	1.27	46	0.050	1.27	33
0.100	2.54	96	0.100	2.54	51
0.150	3.80	138	0.150	3.80	74
0.200	5.07	179	0.200	5.07	102
0.250	6.34	214	0.250	6.34	122
0.300	7.60	238	0.300	7.60	135
0.350	8.87	254	0.350	8.87	143
0.400	10.13	262	0.400	10.13	147
0.450	11.40	264	0.450	11.40	154
0.500	12.67		0.500	12.67	
Average		187.888889	Average		106.777778

Performance after porting (No radius)

Intake			Exhaust		
Lift		CFM	Lift		CFM
Inches	MM		Inches	MM	
0.050	1.27	66	0.050	1.27	58
0.100	2.54	116	0.100	2.54	105
0.150	3.80	157	0.150	3.80	133
0.200	5.07	193	0.200	5.07	153
0.250	6.34	221	0.250	6.34	171
0.300	7.60	241	0.300	7.60	189
0.350	8.87	255	0.350	8.87	200
0.400	10.13	265	0.400	10.13	209
0.450	11.40	272	0.450	11.40	216
0.500	12.67		0.500	12.67	
Average		198.444444	Average		159.333333

E/I before 0.568303 Average Intake improvement 5.62%
 E/I after 0.802912 Average Exhaust improvement 49.22%

* E/I calculated using average flow from 0.2" to 0.4" lift.

Intake EJ20 205 version		
Lift		CFM
Inches	MM	
0.050	1.27	35
0.100	2.54	81
0.150	3.80	127
0.200	5.07	162
0.250	6.34	192
0.300	7.60	216
0.350	8.87	227
0.400	10.13	234
0.450	11.40	238
0.500	12.67	
Average		168

Ported Intake 205 Version		
Lift		CFM
Inches	MM	
0.050	1.27	45
0.100	2.54	99
0.150	3.80	149
0.200	5.07	183
0.250	6.34	209
0.300	7.60	230
0.350	8.87	247
0.400	10.13	260
0.450	11.40	265
0.500	12.67	
Average		187.44444

Ported Exhaust 205 version		
Lift		CFM
Inches	MM	
0.050	1.27	38
0.100	2.54	63
0.150	3.80	92
0.200	5.07	123
0.250	6.34	148
0.300	7.60	166
0.350	8.87	179
0.400	10.13	186
0.450	11.40	193
0.500	12.67	
Average		132

