

Car	Gears							Overall ratio in each gear (what counts)						Spread (1st / top)	HP	Weight (lb)	Weight/HP (lb/hp)	at 75 (rpm)			at 6500			Shift Ratio (After/Before)						RPI	
	1	2	3	4	5	6	final drive	1	2	3	4	5	6					1st gear (mph)	Top gear (mph)	2nd/1st	3rd/2nd	4th/3rd	5th/4th	6th/5th	2nd/1st	3rd/2nd					
2002 Aston Martin V-12 Vanquish	2.660	1.780	1.300	1.000	0.800	0.630	3.690	9.82	6.57	4.80	3.69	2.95	2.32	4.22	460	4099	8.91	2095	55	233	0.67	0.73	0.77	0.80	0.79	4350	4747				
2002 BMW M Roadster	4.210	2.490	1.660	1.240	1.000		3.150	13.26	7.84	5.23	3.91	3.15		4.21	315	3141	9.97	3213	36	152	0.59	0.67	0.75	0.81	-	3844	4333				
2000 BMW Z8	4.230	2.530	1.670	1.230	1.000	0.830	3.150	13.32	7.97	5.26	3.87	3.15	2.61	5.10	400	3494	8.74	2472	39	197	0.60	0.66	0.74	0.81	0.83	3888	4291				
1994 Bugatti EB110 GT	3.760	2.520	1.830	1.420	1.150	0.950	3.180	11.96	8.01	5.82	4.52	3.66	3.02	3.96	611	3940	6.45	2966	42	164	0.67	0.73	0.78	0.81	0.83	4356	4720				
2001 Chevrolet Corvette Z06	2.970	2.070	1.430	1.000	0.840	0.560	3.420	10.16	7.08	4.89	3.42	2.87	1.92	5.30	385	3126	8.12	1848	50	264	0.70	0.69	0.70	0.84	0.67	4530	4490				
2002 Chevrolet Corvette Conv	2.660	1.780	1.300	1.000	0.740	0.500	3.420	9.10	6.09	4.45	3.42	2.53	1.71	5.32	350	3247	9.28	1617	57	301	0.67	0.73	0.77	0.74	0.68	4350	4747				
2001 Dodge Viper GTS ACR	2.660	1.780	1.300	1.000	0.740	0.500	3.070	8.17	5.46	3.99	3.07	2.27	1.54	5.32	460	3450	7.50	1493	61	326	0.67	0.73	0.77	0.74	0.68	4350	4747				
1998 Ferrari 355 F1	3.070	2.160	1.610	1.270	1.030	0.840	4.350	13.35	9.40	7.00	5.52	4.48	3.65	3.65	375	3290	8.77	3497	38	139	0.70	0.75	0.79	0.81	0.82	4573	4845				
2002 Ferrari 550 Maranello	3.150	2.180	1.570	1.190	0.940	0.760	3.910	12.32	8.52	6.14	4.65	3.68	2.97	4.14	479	3912	8.17	2867	41	170	0.69	0.72	0.76	0.79	0.81	4498	4681				
1995 Ferrari F50	2.790	2.000	1.590	1.320	1.110	0.900	3.700	10.32	7.40	5.88	4.88	4.11	3.33	3.10	520	2712	5.22	3240	49	150	0.72	0.80	0.83	0.84	0.81	4659	5168				
2004 Ford GT	2.610	1.710	1.230	0.940	0.770	0.630	3.360	8.77	5.75	4.13	3.16	2.59	2.12	4.14	500	3400	6.80	1834	64	266	0.66	0.72	0.76	0.82	0.82	4259	4675				
1993 Ford Mustang GT	3.350	1.990	1.330	1.000	0.680		3.080	10.32	6.13	4.10	3.08	2.09		4.93	225	3300	14.67	2139	46	228	0.59	0.67	0.75	0.68	-	3861	4344				
2001 Ford Mustang Cobra R	2.970	2.070	1.430	1.000	0.800	0.620	3.550	10.54	7.35	5.08	3.55	2.84	2.20	4.79	385	3580	9.30	2106	48	231	0.70	0.69	0.70	0.80	0.78	4530	4490				
2002 Ford SVT Cobra	3.370	1.990	1.330	1.000	0.670		3.270	11.02	6.51	4.35	3.27	2.19		5.03	320	3472	10.85	2152	45	226	0.59	0.67	0.75	0.67	-	3838	4344				
2003 Ford SVT Cobra	2.660	1.780	1.300	1.000	0.800	0.630	3.550	9.44	6.32	4.62	3.55	2.84	2.24	4.22	390	3738	9.58	2197	53	222	0.67	0.73	0.77	0.80	0.79	4350	4747				
2002 Koenigsegg cc V-8	2.875	1.772	1.266	1.000	0.830	0.711	3.364	9.67	5.96	4.26	3.36	2.79	2.39	4.04	655	2800	4.27	2160	56	226	0.62	0.71	0.79	0.83	0.86	4006	4644				
2000 Lamborghini Diablo VT	2.310	1.520	1.130	0.890	0.680		4.050	9.36	6.16	4.58	3.60	2.75		3.40	543	3750	6.91	2679	54	182	0.66	0.74	0.79	0.76	-	4277	4832				
2002 Maserati Spyder Camb.	3.290	2.160	1.610	1.270	1.030	0.850	3.730	12.27	8.06	6.01	4.74	3.84	3.17	3.87	385	3800	9.87	3159	40	154	0.66	0.75	0.79	0.81	0.83	4267	4845				
1997 McLaren F1	3.230	2.190	1.710	1.390	1.160	0.930	2.370	7.66	5.19	4.05	3.29	2.75	2.20	3.47	627	2840	4.53	1973	71	247	0.68	0.78	0.81	0.83	0.80	4407	5075				
2003 Nissan 350Z	3.790	2.320	1.620	1.270	1.000	0.790	3.540	13.42	8.21	5.73	4.50	3.54	2.80	4.80	287	3322	11.57	2642	38	184	0.61	0.70	0.78	0.79	0.79	3979	4539				
2002 Panoz Esperante	3.370	1.990	1.330	1.000	0.670		3.270	11.02	6.51	4.35	3.27	2.19		5.03	320	3515	10.98	2122	46	230	0.59	0.67	0.75	0.67	-	3838	4344				
2001 Porsche 911 Tiptonic	3.590	2.190	1.410	1.000	0.830		2.890	10.38	6.33	4.07	2.89	2.40		4.33	415	3597	8.67	2390	47	204	0.61	0.64	0.71	0.83	-	3965	4185				
2002 Porsche 911 GT2	3.820	2.050	1.410	1.120	0.920	0.750	3.440	13.14	7.05	4.85	3.85	3.16	2.58	5.09	456	3321	7.28	2557	37	191	0.54	0.69	0.79	0.82	0.82	3488	4471				
2002 Porsche Boxter S	3.820	2.200	1.520	1.220	1.020	0.840	3.440	13.14	7.57	5.23	4.20	3.51	2.89	4.55	250	3042	12.17	2879	37	169	0.58	0.69	0.80	0.84	0.82	3743	4491				
2003 Saleen S7 R&T article 2003	2.560	1.610	1.140	0.960	0.810	0.704	3.220	8.24	5.18	3.67	3.09	2.61	2.27	3.64	550	2870	5.22	2133	63	229	0.63	0.71	0.84	0.84	0.87	4088	4602				
2003 Saleen S7 Original Posted Info	2.460	2.060	1.470	1.180	0.958	0.740	3.220	7.92	6.63	4.73	3.80	3.08	2.38	3.32	550	2870	5.22	2242	65	217	0.84	0.71	0.80	0.81	0.77	5443	4638				
Shelby Series 1	2.860	2.060	1.470	1.180	0.958	0.740	4.220	12.07	8.69	6.20	4.98	4.04	3.12	3.86				2820	45	173	0.72	0.71	0.80	0.81	0.77	4682	4638				
1996 Vector M12	2.230	1.470	1.090	0.850	0.660		4.220	9.41	6.20	4.60	3.59	2.79		3.38	490	3600	7.35	2735	53	178	0.66	0.74	0.78	0.78	-	4285	4820				
<b>Averages</b>	3.12	2.02	1.43	1.11	0.88	0.73	3.46	10.70	6.93	4.93	3.81	3.03	2.54	4.29	433	3379	8.38	2437	49	209	0.65	0.71	0.77	0.79	0.59	4240	4625				
Audi 3V	3.600	2.130	1.460	1.070	0.830		3.890	14.00	8.29	5.68	4.16	3.23		4.34	400	2350	5.88	3103	36	157	0.59	0.69	0.73	0.78	-	3846	4455				
Audi 3Q	2.840	1.520	0.900	0.640	0.480		5.220	14.82	7.93	4.70	3.34	2.51		5.92	400	2350	5.88	2408	34	202	0.54	0.59	0.71	0.75	-	3479	3849				
Audi 3U	3.600	1.880	1.190	0.840	0.640		3.890	14.00	7.31	4.63	3.27	2.49		5.63	400	2350	5.88	3293	36	204	0.52	0.63	0.71	0.76	-	3394	4114				
Audi AAZ	3.600	2.130	1.460	1.070	0.860		3.890	14.00	8.29	5.68	4.16	3.35		4.19	400	2350	5.88	3215	36	152	0.59	0.69	0.73	0.80	-	3846	4455				
Audi 5N	3.600	2.130	1.360	0.970	0.730		4.110	14.80	8.75	5.59	3.99	3.00		4.93	400	2350	5.88	2883	34	169	0.59	0.64	0.71	0.75	-	3846	4150				
Audi 3K	3.600	2.130	1.360	0.970	0.780		3.890	14.00	8.29	5.29	3.77	3.03		4.62	400	2350	5.88	2916	36	167	0.59	0.64	0.71	0.80	-	3846	4150				
Quaife Standard Helical Gears	3.400	2.000	1.276	0.941	0.717	0.612	3.200	10.88	6.40	4.08	3.01	2.29	1.96	5.56	615	2450	3.98	1882	47	259	0.59	0.64	0.74	0.76	0.85	3824	4147				
Quaife Standard Straight Gears	2.615	1.938	1.474	1.136	0.929	0.800	3.889	10.17	7.54	5.73	4.42	3.61	3.11	3.27	615	2450	3.98	2990	50	163	0.74	0.76	0.77	0.82	0.86	4817	4944				
ZF Box	2.230	1.470	1.040	0.846	0.642		3.220	7.18	4.73	3.35	2.72	2.07		3.47	615	2450	3.98	1987	71	245	0.66	0.71	0.81	0.76	-	4285	4599				
ZF Box	2.230	1.610	1.310	1.090	0.740		3.220	7.18	5.18	4.22	3.51	2.38		3.01	615	2450	3.98	2290	71	213	0.72	0.81	0.83	0.68	-	4693	5289				
ZF Box	2.230	1.470	1.040	0.846	0.642		3.700	8.25	5.44	3.85	3.13	2.38		3.47	615	2450	3.98	2283	61	214	0.66	0.71	0.81	0.76	-	4285	4599				
ZF Box	2.860	2.060	1.470	0.958	0.704		3.220	9.21	6.63	4.73	3.08	2.27		4.06	615	2450	3.98	2179	55	224	0.72	0.71	0.85	0.73	-	4682	4638				
ZF Box	2.860	1.610	1.140	0.846	0.642		3.220	9.21	5.18	3.67	2.72	2.07		4.45	615	2450	3.98	1987	55	245	0.56	0.71	0.74	0.76	-	3659	4602				
ZF Box Best ?? (Ordered by Gary)	2.580	1.610	1.140	0.846	0.704		3.220	8.31	5.18	3.67	2.72	2.27		3.66	615	2450	3.98	2179	61	224	0.62	0.71	0.74	0.83	-	4056	4602				
RBT-6	2.860	2.060	1.470	1.180	0.958	0.620	3.220	9.21	6.63	4.73	3.80	3.08	2.00	4.61	615	2450	3.98	1919	55	254	0.72	0.71	0.80	0.81	0.65	4682	4638				
RBT-6 best ?	2.860	2.060	1.470	1.040	0.846	0.704	3.220	9.21	6.63	4.73	3.35	2.72	2.27	4.06	615	2450	3.98	2179	55	224	0.72	0.71	0.71	0.81	0.83	4682	4638				
RBT-6	2.860	2.060	1.470	1.140	0.846	0.620	3.220	9.21	6.63	4.73	3.67	2.72	2.00	4.61	615	2450	3.98	1919	55	254	0.72	0.71	0.78	0.74	0.73	4682	4638				
RBT-6 Shelby Series 1	2.860	2.060	1.470	1.180	0.958	0.740	4.220	12.07	8.69	6.20	4.98	4.04	3.12	3.86	615	245															

M after shift at 6500			Speed in gears at 6500						Low RPM = 2000		Speed Range of Gears				6500		Car		Tire Width Tire AR Rim Size Dia.						
4th/3rd	5th/4th	6th/5th	1	2	3	4	5	6	1st	2nd	3rd	4th	5th	6th											
5000	5200	5119	55	82	113	147	183	233	17	55	25	82	35	113	45	147	56	183	72	233	2002 Aston Martin V-12 Vanquish	285	40	19	27.98
4855	5242		36	61	91	122	152		11	36	19	61	28	91	38	122	47	152			2002 BMW M Roadster	245	40	17	24.72
4787	5285	5395	39	65	98	133	164	197	12	39	20	65	30	98	41	133	50	164	61	197	2000 BMW Z8	275	40	18	26.66
5044	5264	5370	42	62	85	110	136	164	13	42	19	62	26	85	34	110	42	136	51	164	1994 Bugatti EB110 GT	325	30	18	25.68
4545	5460	4333	50	71	103	148	176	264	15	50	22	71	32	103	45	148	54	176	81	264	2001 Chevrolet Corvette Z06	295	35	18	26.13
5000	4810	4392	57	85	116	151	204	301	17	57	26	85	36	116	46	151	63	204	93	301	2002 Chevrolet Corvette Conv	275	40	18	26.66
5000	4810	4392	61	92	126	163	221	326	19	61	28	92	39	126	50	163	68	221	100	326	2001 Dodge Viper GTS ACR	335	30	18	25.91
5127	5272	5301	38	54	73	92	114	139	12	38	17	54	22	73	28	92	35	114	43	139	1998 Ferrari 355 F1	265	40	18	26.35
4927	5134	5255	41	59	82	109	137	170	13	41	18	59	25	82	33	109	42	137	52	170	2002 Ferrari 550 Maranello	295	35	18	26.13
5396	5466	5270	49	68	85	103	122	150	15	49	21	68	26	85	32	103	38	122	46	150	1995 Ferrari F50	335	30	18	25.91
4967	5324	5318	64	96	136	178	217	266	20	64	30	96	42	136	55	178	67	217	82	266	2004 Ford GT	285	45	19	29.10
4887	4420		46	78	117	155	228		14	46	24	78	36	117	48	155	70	228			1993 Ford Mustang GT	245	45	16	24.68
4545	5200	5038	48	69	100	144	179	231	15	48	21	69	31	100	44	144	55	179	71	231	2001 Ford Mustang Cobra R	265	40	18	26.35
4887	4355		45	76	114	152	226		14	45	23	76	35	114	47	152	70	226			2002 Ford SVT Cobra	275	40	17	25.66
5000	5200	5119	53	79	108	140	175	222	16	53	24	79	33	108	43	140	54	175	68	222	2003 Ford SVT Cobra	275	40	17	25.66
5134	5395	5568	56	91	127	160	193	226	17	56	28	91	39	127	49	160	59	193	69	226	2002 Koenigsegg cc V-8	315	40	18	27.92
5119	4966		54	81	109	139	182		16	54	25	81	34	109	43	139	56	182			2000 Lamborghini Diablo VT	335	30	18	25.91
5127	5272	5364	40	61	81	103	127	154	12	40	19	61	25	81	32	103	39	127	47	154	2002 Maserati Spyder Camb.	265	35	18	25.30
5284	5424	5211	71	105	134	165	198	247	22	71	32	105	41	134	51	165	61	198	76	247	1997 McLaren F1	315	45	17	28.16
5096	5118	5135	38	63	90	115	146	184	12	38	19	63	28	90	35	115	45	146	57	184	2003 Nissan 350Z	245	45	18	26.68
4887	4355		46	77	116	154	230		14	46	24	77	36	116	47	154	71	230			2002 Panoz Esperante	255	45	17	26.04
4610	5395		47	77	120	169	204		15	47	24	77	37	120	52	169	63	204			2001 Proscio 911 Tiptornic	265	35	18	25.30
5163	5339	5299	37	70	101	128	155	191	12	37	21	70	31	101	39	128	48	155	59	191	2002 Porsche 911 GT2	315	30	18	25.44
5217	5434	5353	37	65	94	117	139	169	11	37	20	65	29	94	36	117	43	139	52	169	2002 Porsche Boxter S	265	35	18	25.30
5474	5484	5649	63	100	141	168	199	229	19	63	31	100	43	141	52	168	61	199	70	229	2003 Saleen S7	345	25	20	26.79
5218	5277	5021	65	78	109	136	168	217	20	65	24	78	34	109	42	136	52	168	67	217	2003 Saleen S7	345	25	20	26.79
5218	5277	5021	45	62	87	108	134	173	14	45	19	62	27	87	33	108	41	134	53	173	Shelby Series 1	315	40	18	27.92
5069	5047		53	80	108	138	178		16	53	25	80	33	108	43	138	55	178			1996 Vector M12	325	30	18	25.68
5021	5151	5139	49	75	106	137	175	212	15	49	23	75	33	106	42	137	54	175	65	212	Averages	292	37	18	26.43
4764	5042		36	61	89	122	157		11	36	19	61	27	89	37	122	48	157			Audi 3V	335	35	17	26.23
4622	4875		34	64	108	152	202		11	34	20	64	33	108	47	152	62	202			Audi 3Q	335	35	17	26.23
4588	4952		36	69	110	155	204		11	36	21	69	34	110	48	155	63	204			Audi 3U	335	35	17	26.23
4764	5224		36	61	89	122	152		11	36	19	61	27	89	37	122	47	152			Audi AAZ	335	35	17	26.23
4636	4892		34	58	91	127	169		11	34	18	58	28	91	39	127	52	169			Audi 5N	335	35	17	26.23
4636	5227		36	61	96	134	167		11	36	19	61	30	96	41	134	51	167			Audi 3K	335	35	17	26.23
4793	4953	5548	47	79	124	168	221	259	14	47	24	79	38	124	52	168	68	221	80	259	Quaife Standard Helical Gears	335	35	17	26.23
5009	5316	5597	50	67	88	115	140	163	15	50	21	67	27	88	35	115	43	140	50	163	Quaife Standard Straight Gears	335	35	17	26.23
5288	4933		71	107	151	186	245		22	71	33	107	47	151	57	186	76	245			ZF Box	335	35	17	26.23
5408	4413		71	98	120	145	213		22	71	30	98	37	120	44	145	66	213			ZF Box	335	35	17	26.23
5288	4933		61	93	132	162	214		19	61	29	93	41	132	50	162	66	214			ZF Box	335	35	17	26.23
4236	4777		55	76	107	164	224		17	55	24	76	33	107	51	164	69	224			ZF Box Best	335	35	17	26.23
4824	4933		55	98	138	186	245		17	55	30	98	43	138	57	186	76	245			ZF Box	335	35	17	26.23
4824	5409		61	98	138	186	224		19	61	30	98	43	138	57	186	69	224			ZF Box	335	35	17	26.23
5218	5277	4207	55	76	107	134	164	254	17	55	24	76	33	107	41	134	51	164	78	254	RBT-6 Gary Original	335	35	17	26.23
4599	5288	5409	55	76	107	151	186	224	17	55	24	76	33	107	47	151	57	186	69	224	RBT-6 best	335	35	17	26.23
5041	4824	4764	55	76	107	138	186	254	17	55	24	76	33	107	43	138	57	186	78	254	RBT-6	335	35	17	26.23
5218	5277	5021	42	58	82	102	125	162	13	42	18	58	25	82	31	102	39	125	50	162	RBT-6	335	35	17	26.23
5462	5475	4994	61	98	138	164	195	254	19	61	30	98	43	138	51	164	60	195	78	254	RBT-6	335	35	17	26.23
5462	5475	4994	53	85	120	143	170	221	16	53	26	85	37	120	44	143	52	170	68	221	RBT-6 Bob second best	335	35	17	26.23
4951	5084		47	82	116	152	195		14	47	25	82	36	116	47	152	60	195			G50/50 Stock (from PHII)	335	35	17	26.23
4951	5084		47	82	116	152	195		14	47	25	82	36	116	47	152	60	195			G50/52 Stock (from Cal M)	335	35	17	26.23
5051	5218	5010	39	68	94	121	151	196	12	39	21	68	29	94	37	121	47	151	60	196	G64/51	335	35	17	26.23
5051	4762	4804	47	68	94	121	166	224	14	47	21	68	29	94	37	121	51	166	69	224	G64/51 1st, 5th, 6th	335	35	17	26.23
4708	4930	4977	47	68	94	130	172	224	14	47	21	68	29	94	40	130	53	172	69	224	G64/51 all custom	335	35	17	26.23
4805	5088	5240	52	78	105	142	181	224	16	52	24	78	32	105	44	142	56	181	69	224	G64/51 all custom	335	35	17	26.23
5042	5211	5026	39	68	94	122	152	196	12	39	21	68	29	94	37	122	47	152	60	196	G60 (993T)	335	35	17	26.23
5163	5339	5299	39	72	104	131	160	196	12	39	22	72	32	104	40	131	49	160	60	196	G60 (996T)	335	35	17	26.23
5217	5434	5353	39	67	97	121	144	175	12	39	21	67	30	97	37	121	44	144	54	175	G60 (996 Coupe)	335	35	17	26.23
5013	5068		55	74	96	125	160		17	55	23	74	30	96	38	125	49	160			G50 Quaife	335	35	17	26.23
4951	4413		47	82	116	152	224																		