

All Pulleys\_RPM & Speedo MPH Changes

Ratios with Different Pulley Combinations											
Years	Model	Front	Chg	Rear	Ratio	Engine	Clutch	Ratio	Final	Engine	Years
'91-'03	883	27	0.0%	61	2.26	35	56	1.60	3.61	883	'91-'03
'91-'03	883	28	3.7%	61	2.18	35	56	1.60	3.49	883	'91-'03
'91-'03	883	29	7.4%	61	2.10	35	56	1.60	3.37	883	'91-'03
'91-'03	883	30	11.1%	61	2.03	35	56	1.60	3.25	883	'91-'03
'91-'03	883	32	18.5%	61	1.91	35	56	1.60	3.05	883	'91-'03
'91-'03	1200	29	9.8%	55	1.90	35	56	1.60	3.03	1200	'91-'03
'91-'03	1200	29	0.0%	61	2.10	35	56	1.60	3.37	1200	'91-'03
'91-'03	1200	30	3.4%	61	2.03	35	56	1.60	3.25	1200	'91-'03
'91-'03	1200	32	10.3%	61	1.91	35	56	1.60	3.05	1200	'91-'03
2004+	883	28	0.0%	66	2.36	34	57	1.68	3.95	883	2004+
2004+	883	29	3.6%	66	2.28	34	57	1.68	3.82	883	2004+
2004+	883	30	7.1%	66	2.20	34	57	1.68	3.69	883	2004+
2004+	883	31	10.7%	66	2.13	34	57	1.68	3.57	883	2004+
2004+	883	32	14.3%	66	2.06	34	57	1.68	3.46	883	2004+
2004+	883	28	0.0%	68	2.43	34	57	1.68	4.07	883	2004+
2004+	883	29	3.6%	68	2.34	34	57	1.68	3.93	883	2004+
2004+	883	30	7.1%	68	2.27	34	57	1.68	3.80	883	2004+
2004+	883	31	10.7%	68	2.19	34	57	1.68	3.68	883	2004+
2004+	883	32	14.3%	68	2.13	34	57	1.68	3.56	883	2004+
2004+	1200	28	-0.5%	66	2.36	38	57	1.50	3.54	1200	2004+
2004+	1200	29	2.9%	66	2.28	38	57	1.50	3.41	1200	2004+
2004+	1200	30	6.4%	66	2.20	38	57	1.50	3.30	1200	2004+
2004+	1200	31	9.8%	66	2.13	38	57	1.50	3.19	1200	2004+
2004+	1200	32	13.3%	66	2.06	38	57	1.50	3.09	1200	2004+
2004+	1200	29	0.0%	68	2.34	38	57	1.50	3.52	1200	2004+
2004+	1200	30	3.4%	68	2.27	38	57	1.50	3.40	1200	2004+
2004+	1200	31	6.9%	68	2.19	38	57	1.50	3.29	1200	2004+
2004+	1200	32	10.3%	68	2.13	38	57	1.50	3.19	1200	2004+

1991-2003 Speedometer Versus Road Speed & RPM (61 Tooth Rear)																	
Speedo	Road Speed				Engine RPM					Speedo	Road Speed			Engine RPM			
883	7.4%	11.1%	14.8%	18.5%	883	Overdrive Pulley				1200	3.4%	6.9%	10.3%	1200	Overdrive Pulley		
27	29	30	31	32	27	29	30	31	32	29	30	31	32	29	30	31	32
20	21.5	22.2	23.0	23.7	964	897	867	839	813	20	20.7	21.4	22.1	897	867	839	813
25	26.9	27.8	28.7	29.6	1205	1122	1084	1049	1017	25	25.9	26.7	27.6	1122	1084	1049	1017
30	32.2	33.3	34.4	35.6	1446	1346	1301	1259	1220	30	31.0	32.1	33.1	1346	1301	1259	1220
35	37.6	38.9	40.2	41.5	1687	1570	1518	1469	1423	35	36.2	37.4	38.6	1570	1518	1469	1423
40	43.0	44.4	45.9	47.4	1928	1795	1735	1679	1627	40	41.4	42.8	44.1	1795	1735	1679	1627
45	48.3	50.0	51.7	53.3	2169	2019	1952	1889	1830	45	46.6	48.1	49.7	2019	1952	1889	1830
50	53.7	55.6	57.4	59.3	2410	2243	2169	2099	2033	50	51.7	53.4	55.2	2243	2169	2099	2033
55	59.1	61.1	63.1	65.2	2651	2468	2386	2309	2236	55	56.9	58.8	60.7	2468	2386	2309	2236
60	64.4	66.7	68.9	71.1	2892	2692	2602	2518	2440	60	62.1	64.1	66.2	2692	2602	2518	2440
65	69.8	72.2	74.6	77.0	3133	2916	2819	2728	2643	65	67.2	69.5	71.7	2916	2819	2728	2643
70	75.2	77.8	80.4	83.0	3373	3141	3036	2938	2846	70	72.4	74.8	77.2	3141	3036	2938	2846
75	80.6	83.3	86.1	88.9	3614	3365	3253	3148	3050	75	77.6	80.2	82.8	3365	3253	3148	3050
80	85.9	88.9	91.9	94.8	3855	3590	3470	3358	3253	80	82.8	85.5	88.3	3590	3470	3358	3253
85	91.3	94.4	97.6	100.7	4096	3814	3687	3568	3456	85	87.9	90.9	93.8	3814	3687	3568	3456
90	96.7	100.0	103.3	106.7	4337	4038	3904	3778	3660	90	93.1	96.2	99.3	4038	3904	3778	3660
95	102.0	105.6	109.1	112.6	4578	4263	4120	3988	3863	95	98.3	101.6	104.8	4263	4120	3988	3863
100	107.4	111.1	114.8	118.5	4819	4487	4337	4197	4066	100	103.4	106.9	110.3	4487	4337	4197	4066
105	112.8	116.7	120.6	124.4	5060	4711	4554	4407	4270	105	108.6	112.2	115.9	4711	4554	4407	4270
110	118.1	122.2	126.3	130.4	5301	4936	4771	4617	4473	110	113.8	117.6	121.4	4936	4771	4617	4473
115	123.5	127.8	132.0	136.3	5542	5160	4988	4827	4676	115	119.0	122.9	126.9	5160	4988	4827	4676
120	128.9	133.3	137.8	142.2	5783	5384	5205	5037	4880	120	124.1	128.3	132.4	5384	5205	5037	4880

## All Pulleys\_RPM & Speedo MPH Changes

2004+ Speedometer Versus Road Speed and RPM (68 Tooth Rear)																						
Speedo	Road Speed				68	Engine RPM					68	Speedo	Road Speed				68	Engine RPM				68
883	3.6%	7.1%	10.7%	14.3%							1200	3.4%	6.7%	10.3%								
28	29	30	31	32	28	29	30	31	32	29	30	31	32	29	30	31	32					
20	20.7	21.4	22.1	22.9	1078	1041	1006	973	943	20	20.7	21.4	22.1	929	898	869	842					
25	25.9	26.8	27.7	28.6	1347	1301	1257	1217	1179	25	25.9	26.8	27.6	1161	1123	1086	1053					
30	31.1	32.1	33.2	34.3	1617	1561	1509	1460	1415	30	31.0	32.1	33.1	1394	1347	1304	1263					
35	36.3	37.5	38.8	40.0	1886	1821	1760	1704	1650	35	36.2	37.5	38.6	1626	1572	1521	1474					
40	41.4	42.9	44.3	45.7	2156	2081	2012	1947	1886	40	41.4	42.8	44.1	1858	1796	1738	1684					
45	46.6	48.2	49.8	51.4	2425	2341	2263	2190	2122	45	46.6	48.2	49.7	2091	2021	1956	1895					
50	51.8	53.6	55.4	57.1	2694	2602	2515	2434	2358	50	51.7	53.5	55.2	2323	2245	2173	2105					
55	57.0	58.9	60.9	62.9	2964	2862	2766	2677	2593	55	56.9	58.9	60.7	2555	2470	2390	2316					
60	62.1	64.3	66.4	68.6	3233	3122	3018	2920	2829	60	62.1	64.2	66.2	2787	2694	2608	2526					
65	67.3	69.6	72.0	74.3	3503	3382	3269	3164	3065	65	67.2	69.6	71.7	3020	2919	2825	2737					
70	72.5	75.0	77.5	80.0	3772	3642	3521	3407	3301	70	72.4	74.9	77.2	3252	3144	3042	2947					
75	77.7	80.4	83.0	85.7	4042	3902	3772	3651	3537	75	77.6	80.3	82.8	3484	3368	3259	3158					
80	82.9	85.7	88.6	91.4	4311	4163	4024	3894	3772	80	82.8	85.6	88.3	3717	3593	3477	3368					
85	88.0	91.1	94.1	97.1	4581	4423	4275	4137	4008	85	87.9	91.0	93.8	3949	3817	3694	3579					
90	93.2	96.4	99.6	102.9	4850	4683	4527	4381	4244	90	93.1	96.3	99.3	4181	4042	3911	3789					
95	98.4	101.8	105.2	108.6	5120	4943	4778	4624	4480	95	98.3	101.7	104.8	4413	4266	4129	4000					
100	103.6	107.1	110.7	114.3	5389	5203	5030	4867	4715	100	103.4	107.0	110.3	4646	4491	4346	4210					
105	108.8	112.5	116.3	120.0	5658	5463	5281	5111	4951	105	108.6	112.4	115.9	4878	4715	4563	4421					
110	113.9	117.9	121.8	125.7	5928	5723	5533	5354	5187	110	113.8	117.7	121.4	5110	4940	4781	4631					
115	119.1	123.2	127.3	131.4	6197	5984	5784	5598	5423	115	119.0	123.1	126.9	5343	5164	4998	4842					
120	124.3	128.6	132.9	137.1	6467	6244	6036	5841	5658	120	124.1	128.4	132.4	5575	5389	5215	5052					

2004+ Speedometer Versus Road Speed and RPM (66 Tooth Rear) 2.9%																						
Speedo	Road Speed				66	Engine RPM					66	Speedo	Road Speed				66	Engine RPM				66
883	6.5%	10.0%	13.6%	17.2%	Stock						1200	6.3%	9.6%	12.6%								
28	29	30	31	32	28	29	30	31	32	29	30	31	32	29	30	31	32					
20	21.3	22.0	22.7	23.4	1046	1010	976	945	915	20	21.3	22.6	24.1	902	872	844	817					
25	26.6	27.5	28.4	29.3	1308	1263	1220	1181	1144	25	26.6	28.3	30.1	1127	1090	1055	1022					
30	31.9	33.0	34.1	35.2	1569	1515	1465	1417	1373	30	31.9	33.9	36.1	1353	1308	1265	1226					
35	37.3	38.5	39.8	41.0	1831	1768	1709	1654	1602	35	37.2	39.6	42.1	1578	1526	1476	1430					
40	42.6	44.0	45.4	46.9	2092	2020	1953	1890	1831	40	42.5	45.2	48.1	1804	1743	1687	1635					
45	47.9	49.5	51.1	52.7	2354	2273	2197	2126	2059	45	47.9	50.9	54.1	2029	1961	1898	1839					
50	53.2	55.0	56.8	58.6	2615	2525	2441	2362	2288	50	53.2	56.5	60.1	2255	2179	2109	2043					
55	58.6	60.5	62.5	64.5	2877	2778	2685	2598	2517	55	58.5	62.2	66.2	2480	2397	2320	2247					
60	63.9	66.0	68.2	70.3	3138	3030	2929	2835	2746	60	63.8	67.9	72.2	2705	2615	2531	2452					
65	69.2	71.5	73.8	76.2	3400	3283	3173	3071	2975	65	69.1	73.5	78.2	2931	2833	2742	2656					
70	74.5	77.0	79.5	82.0	3661	3535	3417	3307	3204	70	74.4	79.2	84.2	3156	3051	2953	2860					
75	79.9	82.5	85.2	87.9	3923	3788	3661	3543	3432	75	79.8	84.8	90.2	3382	3269	3164	3065					
80	85.2	88.0	90.9	93.7	4184	4040	3905	3779	3661	80	85.1	90.5	96.2	3607	3487	3374	3269					
85	90.5	93.5	96.6	99.6	4446	4293	4150	4016	3890	85	90.4	96.1	102.2	3833	3705	3585	3473					
90	95.8	99.0	102.3	105.5	4707	4545	4394	4252	4119	90	95.7	101.8	108.3	4058	3923	3796	3678					
95	101.1	104.5	107.9	111.3	4969	4798	4638	4488	4348	95	101.0	107.4	114.3	4284	4141	4007	3882					
100	106.5	110.0	113.6	117.2	5230	5050	4882	4724	4577	100	106.3	113.1	120.3	4509	4359	4218	4086					
105	111.8	115.5	119.3	123.0	5492	5303	5126	4961	4805	105	111.7	118.8	126.3	4734	4577	4429	4291					
110	117.1	121.0	125.0	128.9	5754	5555	5370	5197	5034	110	117.0	124.4	132.3	4960	4795	4640	4495					
115	122.4	126.5	130.7	134.8	6015	5808	5614	5433	5263	115	122.3	130.1	138.3	5185	5013	4851	4699					
120	127.8	132.1	136.3	140.6	6277	6060	5858	5669	5492	120	127.6	135.7	144.3	5411	5230	5062	4904					