

Gear Ratio Calculator						
Standard		<input checked="" type="radio"/> MPH <input type="radio"/> KPH				
Target RPM		7000				
Calculate Tire Diameter		26 in			Cir. 81.6814	
Width						
Aspect Ratio						
Rim Diameter						
Ring & Pinion		RATIO				
	9	to	31	3.4444	MPH	
1st gear	11	to	42	3.8182	41.187	
2nd gear	21	to	43	2.0476	76.800	
3rd gear	27	to	38	1.4074	111.736	
4th gear	34	to	38	1.1176	140.705	
5th gear	37	to	34	0.9189	171.134	
6th gear	40	to	30	0.75	209.677	
		to		#DIV/0!	0.000	
		to		#DIV/0!	0.000	
		to		#DIV/0!	0.000	

(996 Turbo; GT2 stock gears)

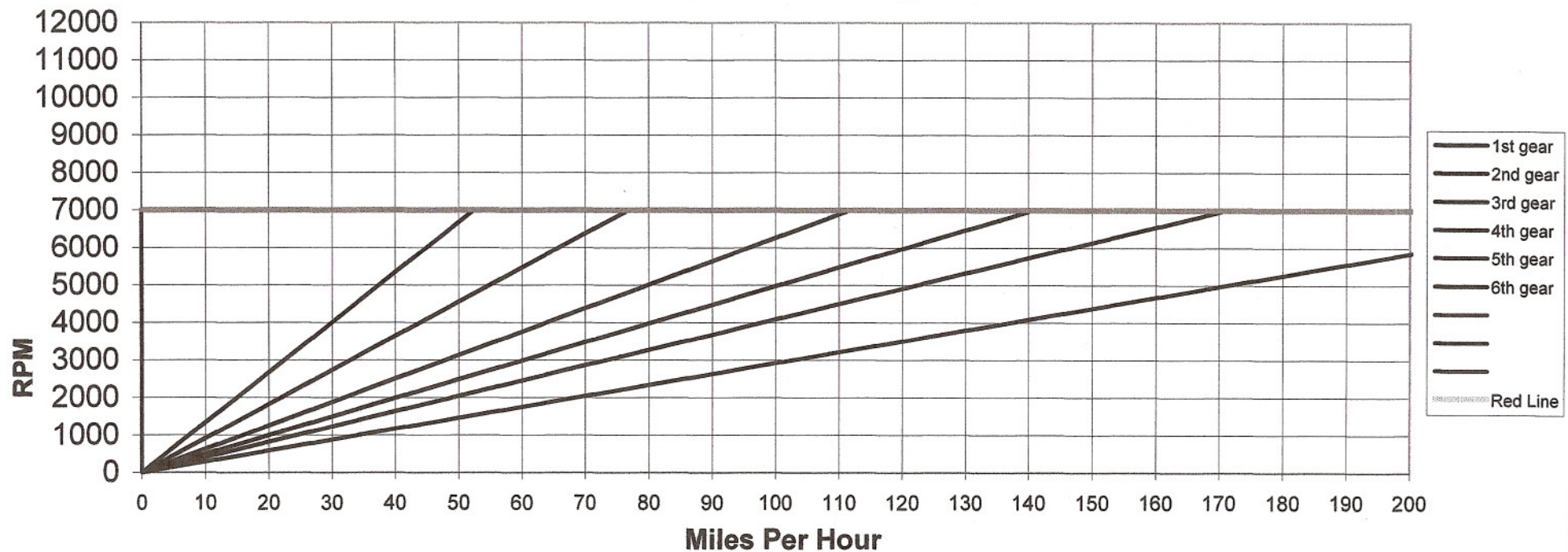
Transmission Diagram

The diagram illustrates the relationship between engine speed (RPM) and vehicle speed (Miles Per Hour) for a 6-speed transmission. The Y-axis represents RPM from 0 to 12,000 in increments of 1,000. The X-axis represents Miles Per Hour from 0 to 200 in increments of 10. A horizontal red line is drawn at 7,000 RPM. Six lines represent the gears, all starting at (0,0) and reaching 7,000 RPM at different speeds: 1st gear at ~40 mph, 2nd at ~75 mph, 3rd at ~110 mph, 4th at ~140 mph, 5th at ~170 mph, and 6th at ~200 mph. Beyond these speeds, the RPM for each gear remains constant at 7,000.

Miles Per Hour	1st gear (RPM)	2nd gear (RPM)	3rd gear (RPM)	4th gear (RPM)	5th gear (RPM)	6th gear (RPM)
0	0	0	0	0	0	0
40	7000	3500	2333	1750	1400	1167
75	7000	7000	4667	3500	2800	2333
110	7000	7000	7000	5250	4200	3500
140	7000	7000	7000	7000	5600	4667
170	7000	7000	7000	7000	7000	5833
200	7000	7000	7000	7000	7000	7000

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Target RPM		7000									
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Width											
Aspect Ratio											
Rim Diameter				RATIO							
Ring & Pinion		9		to		31		3.4444		MPH	
1st gear		12		to		36		3		52.419	
2nd gear		21		to		43		2.0476		76.800	
3rd gear		27		to		38		1.4074		111.736	
4th gear		34		to		38		1.1176		140.705	
5th gear		37		to		34		0.9189		171.134	
6th gear		32		to		21		0.6563		239.631	
				to						0.000	
				to						0.000	
				to						0.000	

(996 Turbo; GT2 with 3.00 1st and 0.66 6th)



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Calculate Tire Diameter				26 in		Cir. 81.6814			
Width									
Aspect Ratio									
Rim Diameter									
Ring & Pinion	9	to	31	RATIO		MPH			
1st gear	12	to	36	3.4444		3 52.419 custom			
2nd gear	21	to	43	2.0476		76.800 stock			
3rd gear	27	to	38	1.4074		111.736 stock			
4th gear	25	to	25	1		157.258 custom			
5th gear	40	to	30	0.75		209.677 stock 6th			
6th gear	32	to	21	0.6563		239.631 custom			
		to				0.000			
		to				0.000			
		to				0.000			

California Motorsports Inc.
2175 N. Kiowa Blvd Ste 108
Lake Havasu City AZ USA 86403
(928) 855-5755 voice
(928) 855-5755 fax
www.californiamotorsports.net

GT2 with tall 1st, 4th, 5th (old 6th) and 6th

Transmission Diagram

This graph illustrates the relationship between engine speed (RPM) and vehicle speed (Miles Per Hour) for a six-speed transmission. The Y-axis represents RPM, ranging from 0 to 12,000 in increments of 1,000. The X-axis represents Miles Per Hour, ranging from 0 to 200 in increments of 10. A horizontal red line is drawn at 7,000 RPM, indicating the maximum safe engine speed. Six lines represent the gears, each showing a linear increase in RPM with speed. The 1st gear line reaches 7,000 RPM at approximately 52 MPH. The 2nd gear line reaches 7,000 RPM at approximately 75 MPH. The 3rd gear line reaches 7,000 RPM at approximately 110 MPH. The 4th gear line reaches 7,000 RPM at approximately 155 MPH. The 5th gear line reaches 7,000 RPM at approximately 195 MPH. The 6th gear line reaches 7,000 RPM at approximately 200 MPH.

Gear	Approximate RPM at 100 MPH	Approximate RPM at 200 MPH
1st gear	1300	2600
2nd gear	1800	3600
3rd gear	2400	4800
4th gear	3000	6000
5th gear	3600	7200
6th gear	4200	8400