

Gear	Ratio	Engine Rpm ->	STD MAX					Tweaked Gov		RED Editable
			1000	2000	3000	4000	5000	6000		
1	4.03		74.96645251	149.932905	224.8993575	299.8658101	374.8322626	449.7987151		
2	2.16		139.8679646	279.7359293	419.6038939	559.4718586	699.3398232	839.2077878		
3	1.37		220.5217545	441.0435089	661.5652634	882.0870179	1102.608772	1323.130527		
4	1		302.1148036	604.2296073	906.3444109	1208.459215	1510.574018	1812.688822		
5	0.79		382.4238021	764.8476041	1147.271406	1529.695208	1912.11901	2294.542812		
			Tyre size chart Volvo					Tire Size		205/55R16
			Selected Diff					Size		mm
			3.31					Circumference (cm)		mm
			205/55R16					198.51		
			Max Speed			Over Rev				
Engine Rpm	1000	2000	3000	4000	5000	6000				
1st Gear	5.547929272	11.09585854	16.64378782	22.19171709	27.73964636	33.28757563	Mph	39.28757563		
2st Gear	10.35099767	20.70199534	31.05299301	41.40399068	51.75498835	62.10598601	Mph	68.10598601		
3st Gear	16.31982114	32.63964229	48.95946343	65.27928457	81.59910571	97.91892686	Mph	103.9189269		
4st Gear	22.35815497	44.71630993	67.0744649	89.43261986	111.7907748	134.1489298	Mph	140.1489298		
5st Gear	28.30146198	56.60292396	84.90438594	113.2058479	141.5073099	169.8087719	Mph	175.8087719		
	160934	cm per mile								
	198.5	circumference of tyre (cm)								
gearbox			4HP22			722.6				
Gear	4HP22	AW71	722.6	M90	Final Drive to 1	Top speed @ 3k	Top speed @ 5k	Top speed @ 3k	Top speed @ 5k	
					2.87	169	282	149	248	
					3.07	158	264	139	232	
1	2.48:1	2.45:1	3.95:1		3.31	147	245	129	215	
2	1.48:1	1.45:1	2.42:1		3.54	137	229	120	201	
3	1.00:1	1.00:1	1.48:1		3.73	130	217	114	191	
4	0.73:1	0.69:1	1.00:1		3.91	124	207	109	182	
5			0.83:1		4.1	118	197	104	174	
Reverse	2.09:1	2.22:1	3.14:1		If max RPM = 5000 no loss in top speed from bottom to top diff					
					Drive shaft : Wheel					
		1997+ is H/L2								
		http://www.differentials.com/technical-help/faqs								

Gear	Ratio	Engine Rpm ->	STD MAX					Tweaked Gov		RED Editable
			1000	2000	3000	4000	5000	6000		
1	3.54		85.34316487	170.6863297	256.0294946	341.3726595	426.7158243	512.0589892		
2	2.05		147.3730749	294.7461499	442.1192248	589.4922998	736.8653747	884.2384496		
3	1.38		218.9237707	437.8475415	656.7713122	875.695083	1094.618854	1313.542624		
4	1		302.1148036	604.2296073	906.3444109	1208.459215	1510.574018	1812.688822		
5	0.81		372.981239	745.9624781	1118.943717	1491.924956	1864.906195	2237.887434		
Tyre size chart Volvo										
			Selected Diff		3.31	Size		Circumference (cm)		
						185/65R15	195.3			
Max Speed					Over Rev					
Engine Rpm	1000	2000	3000	4000	5000	6000				
1st Gear	6.204500161	12.40900032	18.61350048	24.81800064	31.02250081	37.22700097	Mph			
2st Gear	10.71411247	21.42822495	32.14233742	42.85644989	53.57056237	64.28467484	Mph			
3st Gear	15.91589172	31.83178344	47.74767515	63.66356687	79.57945859	95.49535031	Mph			
4st Gear	21.96393057	43.92786114	65.89179171	87.85572228	109.8196529	131.7835834	Mph			
5st Gear	27.11596367	54.23192733	81.347891	108.4638547	135.5798183	162.695782	Mph			
160934		cm per mile								
195		circumference of tyre (cm)								
Volvo m90 gearbox										
Gear	M90H1	M90H2	M90L1	M90L2	Final Drive to 1	Top speed @ 5k	Top speed @ 6k			
1	3.54:1	3.54:1	3.91:1	3.91:1	3.31	135.5798183	162.695782	less wheel torque but longer gears		
2	2.05:1	2.05:1	2.20:1	2.20:1	3.54	126.7709601	152.1251521	Current		
3	1.38:1	1.38:1	1.38:1	1.38:1	3.73	120.3134581	144.3761497			
4	1.00:1	1.00:1	1.00:1	1.00:1	3.91	114.7747311	137.7296773			
5	0.81:1	0.70:1	0.81:1	0.70:1	4.1	109.4559021	131.3470825	Most wheel torqu 15.8% more torque		
Reverse	3.00:1	3.00:1	3.00:1	3.00:1	If max RPM = 6000 no loss in top speed from bottom to top diff					
					Drive shaft : Wheel					
1997+ is H/L2										
http://www.differentials.com/technical-help/faqs										

Tire Size	185/65R15		
Size	mm	inches	
Tire			
Width	185	7.28	
Aspect			
Ratio	65	-	
Rim			
Diameter	381	15	
Sidewall			
Height	120	4.72	
Tire			
Diameter	622	24.49	
Circum-ference	1953	76.89	
Revolutions	512/km	826/mi	

Gear	Ratio	Engine Rpm ->	STD MAX					Tweaked Gov		RED Editable
			1000	2000	3000	4000	5000	6000		
1	3.54		72.24702703	144.4940541	216.7410811	288.9881081	361.2351352	433.4821622		
2	2.05		124.7582808	249.5165617	374.2748425	499.0331233	623.7914042	748.549685		
3	1.38		185.3293302	370.6586604	555.9879907	741.3173209	926.6466511	1111.975981		
4	1		255.7544757	511.5089514	767.2634271	1023.017903	1278.772379	1534.526854		
5	0.81		315.7462663	631.4925326	947.2387989	1262.985065	1578.731332	1894.477598		
Tyre size chart Volvo										
			Selected Diff		3.91	Size		Circumference (cm)		
						185/65R15	195.3			
Max Speed					Over Rev					
Engine Rpm	1000	2000	3000	4000	5000	6000				
1st Gear	5.346676849	10.6933537	16.04003055	21.3867074	26.73338424	32.08006109	Mph			
2st Gear	9.232798071	18.46559614	27.69839421	36.93119228	46.16399035	55.39678842	Mph			
3st Gear	13.71538844	27.43077688	41.14616531	54.86155375	68.57694219	82.29233063	Mph			
4st Gear	18.92723604	37.85447209	56.78170813	75.70894418	94.63618022	113.5634163	Mph			
5st Gear	23.36695808	46.73391616	70.10087424	93.46783232	116.8347904	140.2017485	Mph			
		160934	cm per mile							
		198.5	circumference of tyre (cm)							
Volvo m90 gearbox										
Gear	M90H1	M90H2	M90L1	M90L2	Final Drive to 1	Top speed @ 5k	Top speed @ 6k			
1	3.54:1	3.54:1	3.91:1	3.91:1	3.31	135.5798183	162.695782	less wheel torque but longer gears		
2	2.05:1	2.05:1	2.20:1	2.20:1	3.54	126.7709601	152.1251521	Current		
3	1.38:1	1.38:1	1.38:1	1.38:1	3.73	120.3134581	144.3761497			
4	1.00:1	1.00:1	1.00:1	1.00:1	3.91	114.7747311	137.7296773			
5	0.81:1	0.70:1	0.81:1	0.70:1	4.1	109.4559021	131.3470825	Most wheel torqu 15.8% more torque		
Reverse	3.00:1	3.00:1	3.00:1	3.00:1	If max RPM = 6000 no loss in top speed from bottom to top diff					
					Drive shaft : Wheel					
					1997+ is H/L2					
					http://www.differentials.com/technical-help/faqs					

Tire Size	185/65R15	
	mm	inches
Tire		
Width	185	7.28
Aspect		
Ratio	65	-
Rim		
Diameter	381	15
Sidewall		
Height	120	4.72
Tire		
Diameter	622	24.49
Circum-ference	1953	76.89
Revolutions	512/km	826/mi