

TRANSMISSION AND FINAL GEAR RATIOS WITH AND WITHOUT OVERDRIVE											
SM420				3.54 DANA 60		3.73		4.11		4.57	
GEAR	GEAR RATIO	DIRECT	27% O.D.	DIRECT	27% O.D.	DIRECT	27% O.D.	DIRECT	27% O.D.	DIRECT	27% O.D.
1ST	7.06	7.06	5.15	24.99	18.24	26.33	19.22	29.02	21.18	32.26	23.55
2ND	3.58	3.58	2.61	12.67	9.25	13.35	9.75	14.71	10.74	16.36	11.94
3RD	1.71	1.71	1.25	6.05	4.42	6.38	4.66	7.03	5.13	7.81	5.70
4TH	1.00	1.00	0.73	3.54	2.58	3.73	2.72	4.11	3.00	4.57	3.34
REVERSE	6.78	6.78	4.95	24.00	17.52	25.29	18.46	27.87	20.34	30.98	22.62

4TH GEAR RPM = MPH x GEAR RATIO x 336 / TIRE DIAMETER (30.5)								
SM420/3.54 DANA 60 RPM			SM420/3.73 RPM			SM420/4.11 RPM		
SPEED	DIRECT	O.D.	SPEED	DIRECT	O.D.	SPEED	DIRECT	O.D.
40	1560	1139	40	1644	1200	40	1811	1322
45	1755	1281	45	1849	1350	45	2037	1487
50	1950	1423	50	2055	1500	50	2264	1653
55	2145	1566	55	2260	1650	55	2490	1818
60	2340	1708	60	2465	1800	60	2717	1983
65	2535	1850	65	2671	1950	65	2943	2148
70	2730	1993	70	2876	2100	70	3169	2314
75	2925	2135	75	3082	2250	75	3396	2479
80	3120	2277	80	3287	2400	80	3622	2644

3RD GEAR RPM = MPH x GEAR RATIO x 336 / TIRE DIAMETER (30.5)								
SM420/3.54 DANA 60 RPM			SM420/3.73 RPM			SM420/4.11 RPM		
SPEED	DIRECT	O.D.	SPEED	DIRECT	O.D.	SPEED	DIRECT	O.D.
25	1666	1216	25	1757	1283	25	1936	1413
30	1999	1460	30	2109	1539	30	2323	1696
40	2666	1946	40	2811	2052	40	3098	2261
45	2999	2189	45	3163	2309	45	3485	2544
55	3666	2676	55	3866	2822	55	4259	3109
65	4332	3163	65	4568	3335	65	5034	3675
70	4665	3406	70	4920	3592	70	5421	3957

<b>3 SPEED/4.57</b>		
SPEED	DIRECT	O.D.
40	2014	1410
45	2266	1586
50	2517	1762
55	2769	1938
60	3021	2114
65	3272	2291
70	3524	2467
75	3776	2643
80	4028	2819