

Table 1

FORD E93A AND 100E GEARBOXES - STANDARD AND SPECIAL RATIOS																	
	10hp (E93A type) Gearboxes											100E gearboxes					
	FORD		BUCKLER SPECIAL GEARS								S.A.	S.F.	FORD		S.A.	BUCKLER	
S.A. = Super Accessories	8HP	10HP	TYPE A	TYPE B	TYPE C	TYPE D	TYPE E	TYPE F	TYPE G		10HP	E93A	100E pre '55	100E from '55	100E	Type 54 D/W	Type 54 C/W
S.F. = Small Ford Spares												box					
teeth on main drive gear		14	15	20	19	18	17	22	23	24	17	19	14	13	17	17	18
teeth on countershaft wheel 1		30	29	24	25	26	27	22	21	20	27	29	30	30	27	27	26
teeth on countershaft wheel 2		23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
teeth on countershaft wheel 3		17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
teeth on countershaft wheel 4		13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
teeth on second gear		21	21	21	21	21	21	21	21	21	21	21	20	20	20	20	20
teeth on first gear		27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
teeth on low/reverse gear		27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
first gear ratio	1	3.403	3.071	1.906	2.09	2.294	2.522	1.588	1.45	1.324	2.522	2.424	3.403	3.665	2.522	2.522	2.294
second gear ratio	2	1.957	1.765	1.096	1.201	1.319	1.45	0.913	0.834	0.761	1.45	1.394	1.863	2.007	1.381	1.381	1.256
third (top) gear ratio	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
reverse gear ratio	R	4.451	4.015	2.492	2.733	3	3.299	2.077	1.896	1.731	3.299	3.17	4.451	4.793	3.299	3.299	3
mph/1000revs (5.5:1 cwp)	1	4.1	4.5	7.2	6.6	6	5.5	8.7	9.5	10.4	5.5	5.7	4.1	3.8	5.5	5.5	6
based on 4.50 x 17 tyre	2	7.1	7.8	12.6	11.5	10.5	9.5	15.1	16.6	18.2	9.5	9.9	7.4	6.9	10	10	11
(cwp ratio is 6 x 33)	3	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8
mph/1000revs (4.7:1 cwp)	1	4.7	5.3	8.5	7.7	7	6.4	10.2	11.1	12.2	6.4	6.7	4.7	4.4	6.4	6.4	7
based on 4.50 x 17 tyre	2	8.3	9.1	14.7	13.4	12.2	11.1	17.7	19.4	21.2	11.1	11.6	8.7	8	11.7	11.7	12.9
(cwp ratio is 7 x 33)	3	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2
mph/1000revs (5.5:1 cwp)	1	3.6	4	6.5	5.9	5.4	4.9	7.8	8.6	9.4	4.9	5.1	3.6	3.4	4.9	4.9	5.4
based on 135 x 15 tyre	2	6.3	7	11.3	10.3	9.4	8.6	13.6	14.9	16.3	8.6	8.9	6.7	6.2	9	9	9.9
	3	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4
mph/1000revs (4.7:1 cwp)	1	4.3	4.7	7.6	6.9	6.3	5.7	9.1	10	11	5.7	6	4.3	4	5.7	5.7	6.3
based on 135 x 15 tyre	2	7.4	8.2	13.2	12.1	11	10	15.9	17.4	19.1	10	10.4	7.8	7.2	10.5	10.5	11.5
	3	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5