DEALER PARTS and SERVICE BULLETIN

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= SUBJECTS =

REVISED
GEAR CHART - C-15 MODELS

For your information certain data is presented in convenient reference form on the "C" Series gearbox ratios. There are no options in original equipment; the C-15 Star is available only in standard ratio form and the C-15 Starfire only with Scrambles gearbox. For the specialized needs of competition some owners may wish to change internal ratios and this chart sheet may prove helpful. (NOTE: Standard internal gearing was used in initial production of the C-15S Scrambler up to Engine No. C15S-800. From C15S-801 up these machines had Scrambles ratios.

PART NUMBERS, VARIOUS GEARS — CONSULT LOCATION CHART

LOCATION	A	B	C	D	E	F	G	H
STANDARD GEARBOX	40-3017 (30)	40-3013 (20)	40-3011 (23)	40-3010 (27)	40-3010 (27)	40-3011 (23)	40-3012 (18)	40-3014 (32)
SCRAMBLES GEARBOX	41-3029 (26)	41-3027 (17)	40-3130 (24)	40-3132 (26)	40-3131 (28)	40-3134 (22)	40-3151 (21)	40-3152 (29)
TRIALS GEARBOX	40-3106 (31)	40-3109 (19)	40-3101 (20)	40-3100 (30)	40-3103 (25)	40-3102 (25)	40-3108 (17)	40-3104 (33)

Gear part number, upper line. Number of teeth, each gear, indicated in parenthesis below.

MAINSHAFTS - LAYSHAFTS

TYPE	MAINSHAFT	LAYSHAFT	(MAINSHAFT) SHIFTFORK	(LAYSHAFT) SHIFTFORK	(STARTER) SPRING
STANDARD	40-3004	40-3009	40-3033	40-3033	40-3028
SCRAMBLES	40-3004	40-3009	40-3033	40-3033	40-3118
TRIALS	40-3004	40-3009	40-3113	40-3112	40-3118

INTERNAL GEARBOX RATIOS

TYPE	TOP	THIRD	SECOND	BOTTOM
STANDARD	1.00	1.28	1.76	2.67
SCRAMBLES	1.00	1.20	1.66	2.11
TRIALS	1.00	1.63	2.45	3.16

NOTE: To ascertain gear ratio multiply the known top gear ratio by internal ratio of gearbox as; (Assuming a 6:1 top gearing).
6.00 x 1.28 = 7.68 in third gear
6.00 x 1.76 = 10.56 in second gear
6.00 x 2.67 = 16.02 in bottom gear

REAR CHAINWHEEL SPROCKETS FOR C15S ONLY

52 TEETH 40-6051
56 TEETH 40-6052
60 TEETH 40-6053

COUNTERSHAFT SPROCKETS FOR C15 & C15S

15 TEETH 40-3072
16 TEETH 40-3052
17 TEETH 40-3049
18 TEETH 40-3128
19 TEETH 40-3123
20 TEETH 40-3124

* GEAR LOCATION CHART *

