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SERVICE SHEETS

BSA SERVICE SHEET No. 302B

February, 1957

INTERNAL GEARBOX RATIOS FOR SWINGING ARM.

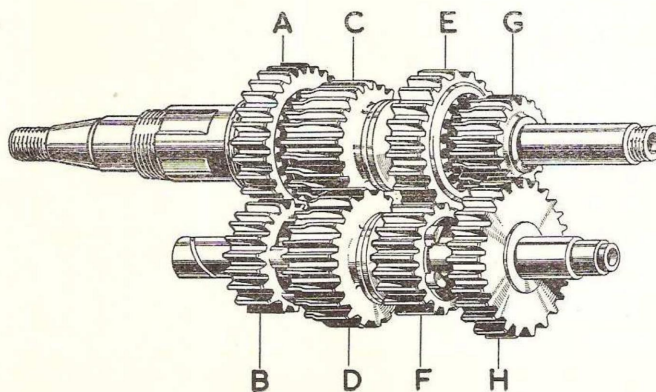
FRAME MODELS.

The following Gearbox Ratios are available for Models fitted with Swinging Arm type frame.

Description	Marking	Top	Third	Second	Bottom
Extra Close Ratio ..	R.R.T2	1	1.099	1.326	1.754
Extra Close Ratio	R.R. or R.R.T.	1	1.099	1.326	1.929
Close Ratio ..	DAY or DAY.T	1	1.101	1.460	2.124
Scrambles	SC. or SC.T	1	1.325	1.754	2.343
Standard	STD. or STD.T	1	1.210	1.758	2.580
Wide Ratio (Trials)	TRI. or TRI.T.	1	1.459	2.339	3.167

Marking suffix 'T' denotes Needle Roller Layshaft Bearings. Suffix 'T2' denotes Needle Roller Mainshaft and Layshaft bearings.

The Part Numbers and Number of Teeth for the relative Pinions are listed overleaf.



B.S.A. Service Sheet No. 302B (cont.)

PART NUMBERS

Ratios	A	B	C	D	E	F	G	H	M/Shaft	Layshaft
RR.	67-3184	42-3022	67-3361	42-3026	67-3187	67-3198	67-3221	67-3216	67-3330	42-3019
RR.T	67-3184	42-3086	67-3361	42-3026	67-3187	67-3198	67-3221	42-3087	67-3330	42-3094
RR.T2	42-3133	42-3086	67-3361	42-3026	42-3136	67-3198	42-3137	42-3138	42-3131	42-3094
DAY	67-3207	42-3020	67-3361	42-3026	67-3223	67-3226	67-3221	67-3216	67-3330	42-3019
DAY.T	67-3207	42-3081	67-3361	42-3026	67-3223	67-3226	67-3221	42-3087	67-3330	42-3094
S.C.	67-3311	42-3022	67-3302	42-3024	67-3305	67-3212	67-3191	67-3199	67-3315	42-3019
SC.T.	42-3088	42-3086	67-3302	42-3024	67-3305	67-3212	67-3191	42-3082	67-3315	42-3094
STD.	67-3192	42-3020	67-3201	42-3023	67-3202	67-3198	67-3191	67-3199	67-3330	42-3019
STD.T	42-3076	42-3081	67-3201	42-3023	67-3202	67-3198	67-3191	42-3082	67-3330	42-3094
TRI	67-3309	42-3020	67-3301	42-3025	67-3210	67-3212	67-3313	67-3213	67-3313	42-3019
TRI.T	42-3091	42-3081	67-3301	42-3025	67-3210	67-3212	67-3313	42-3093	67-3313	42-3094

NUMBER OF TEETH

Ratios	A	B	C	D	E	F	G	H	Speedo. gears Driving	Driven
RR and RR.T	25	18	22	21	24	19	18	25	42-3033	42-3032
RR.T2	25	18	22	21	24	19	19	24	42-3033	42-3032
DAY and DAY.T.	26	17	22	21	25	18	18	25	67-3088	67-3175
SC. and SC.T.	25	18	19	24	22	21	16	27	42-3033	42-3032
STD. and STD.T.	26	17	20	23	24	19	16	27	67-3088	67-3175
TRI. and TRI.T.	26	17	17	26	22	21	14	29	67-3088	67-3175

The forward Footchange Cam Plate is Part No. 67-3332.

The reverse Footchange Cam Plate is Part No. 42-3011.

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