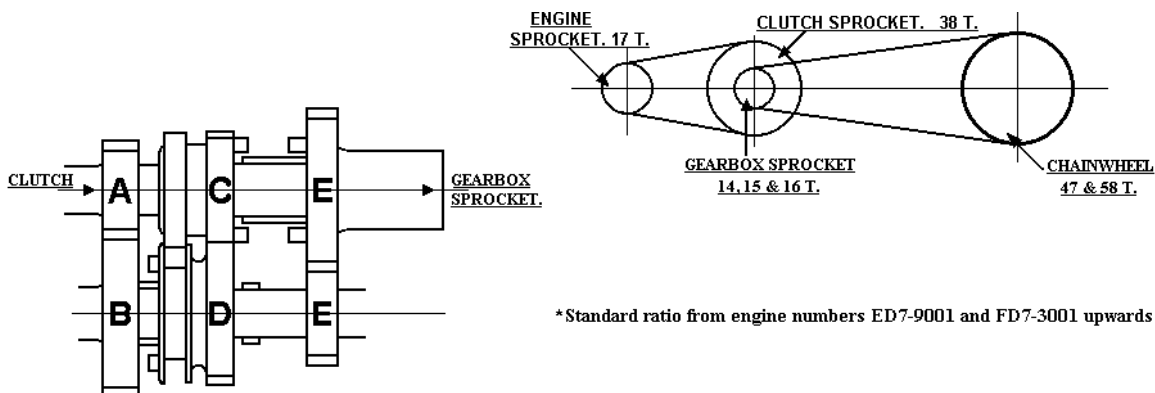


# BSA SERVICE SHEET No. 501A

Revised May, 1965.

## D GROUP GEAR RATIOS



\* Standard ratio from engine numbers ED7-9001 and FD7-3001 upwards

### STANDARD RATIO      \* STANDARD RATIO      CLOSE RATIO

GEARBOX SPROCKET	CHAIN-WHEEL	GEAR REFERENCE LETTER ON DIAGRAM	COMPONENT NUMBER	NO. OF TEETH	COMPONENT NUMBER	NO. OF TEETH	COMPONENT NUMBER	NO. OF TEETH
		A	90-1345	15	90-1345	15	90-1489	19
B	90-0082	32	90-0082	32	90-0448	28		
C	90-1357	22	90-1357	22	90-1357	22		
D	90-1360	25	90-1360	25	90-1492	25		
E	90-0065	28	90-1582	26	90-0474	24		
F	90-1358	19	90-1584	21	90-1495	23		
16	46	TOP	6.426	6.426	6.426			
		SECOND	10.73	9.189	7.62			
		BOTTOM	20.2	16.96	9.89			
15	46	TOP	6.85	6.85	6.85			
		SECOND	11.43	9.79	8.124			
		BOTTOM	21.5	18.08	10.54			
14	46	TOP	7.34	7.34	7.34			
		SECOND	12.25	10.49	8.70			
		BOTTOM	23.04	19.37	11.3			
16	47	TOP	6.58	6.58	6.58			
		SECOND	10.85	9.38	7.78			
		BOTTOM	20.41	17.07	10.1			
15	47	TOP	7.0	7.0	7.0			
		SECOND	11.69	10.01	8.3			
		BOTTOM	21.98	18.48	10.78			
14	47	TOP	7.5	7.5	7.5			
		SECOND	12.52	10.725	8.9			
		BOTTOM	23.55	19.8	11.53			
INTERNAL RATIOS		TOP	1.0	1.0	1.0			
		SECOND	1.67	1.43	1.186			
		BOTTOM	3.14	2.64	1.54			

D5 and D7 models prior to frame number D7-5885 used 46T rear chainwheel. Later D7 models used 47T chainwheel.

'A' refers to mainshaft with gear cut direct on to shaft.

'F' is the layshaft complete with gear.

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