

SERVICE BULLETIN

FOR

Royal Enfield

MOTORCYCLES

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GENE SHILLINGFORD & SONS

1635 WEST HUNTING PARK AVENUE
PHILADELPHIA 40, PENNSYLVANIA

ROYAL ENFIELD GEAR RATIO CHART:

The following gear ratios are based on standard heavy-duty "HG" series gears for 350cc, 500cc, 700cc and 750cc models - 1960 on:

<u>CHART #1:</u>		Gearbox Sprocket	4th	3rd	2nd	1st
<u>STANDARD SPROCKETS:</u>		14-T	7.36	10.01	13.54	20.46
Engine	25-T	15-T	6.87	9.34	12.64	19.10
Clutch	56-T	16-T	6.44	8.76	11.85	17.90
Rear Wheel	46-T	17-T (A)	6.06	8.24	11.15	16.85
(As 500cc "Fury" model) (20-T engine sprocket used on 350cc "Fury" model.)		18-T (B)	5.72	7.78	10.52	15.90
		19-T	5.42	7.37	9.97	15.07
		20-T	5.15	7.00	9.48	14.32
		21-T (C)	4.91	6.68	9.03	13.65
		22-T	4.68	6.36	8.61	13.01

(A) Standard 500cc competition "Fury" model single.
(B) Standard 500cc sidecar gearing (single-cylinder).
(C) Standard 500cc road gearing for "Fury" single.

<u>CHART #2:</u>		Gearbox Sprocket	4th	3rd	2nd	1st
<u>STANDARD SPROCKETS:</u>		14-T	6.34	8.62	11.67	17.63
Engine	29-T	15-T	5.92	8.05	10.89	16.46
Clutch	56-T	16-T	5.55	7.55	10.21	15.43
Rear Wheel	46-T	17-T (A)	5.23	7.11	9.62	14.54
(All late-model twins)		18-T (D)	4.93	6.70	9.07	13.71
		19-T (E)	4.68	6.36	8.61	13.01
		20-T (B)	4.44	6.04	8.17	12.35
		21-T (C)	4.23	5.75	7.78	11.76
		22-T	4.04	5.49	7.43	11.23

(A) Standard '60/62 700cc "Interceptor" models with lights. Competition "TT" model without lighting had 54-T rear wheel sprocket.
(B) Standard 700cc twin road gearing.
(C) Standard 750cc twin road gearing (1962/63).
(D) Standard 700cc twin sidecar gearing.
(E) Standard 500cc Sport Twin (1963) gearing - 17" wheels.