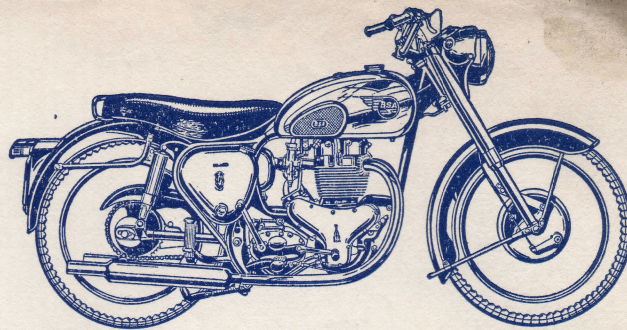


from



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to all **BSA** **SUNBEAM** and **ARIEL** Dealers

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BSA SERVICE TIP NO. 1

APRIL 26, 1955

SERVICE TIP

SUBJECT: GEARING ON BSA GOLD STAR CLUBMANS MODELS.

The 1955 Gold Star Clubman models are coming through equipped with Standard Ratio gear boxes and what the BSA Data Book refers to as "Competition" gearing.

For best results with this model it is advisable to change the gearing to suit the conditions under which it will be used. Following are recommendations designed to help Dealers and riders arrive at the correct ratios.

TRIALS - SCRAMBLES - CROSS COUNTRY ( 5.64 - 1)

"Competition" gearing ( 5.64 -1 in top) suggested.  
This gearing is secured by using the following sprockets:

Engine: 20 tooth (Part No. 15-1564) List Price: \$3.50  
Gearbox: 16 " (Part No. 42-3015) List Price: \$4.73

"TOURING": ( 5.00 - 1)

A good general purpose gearing for all road riding.  
This gearing secured by using the following sprockets:

Engine: 19 tooth (Part No. 15-1565) List Price: \$3.50  
Gearbox: 19 tooth (Part No. 42-3016) List Price: \$5.25

"HIGH SPEED TOURING": ( 4.75 - 1)

This gearing suggested for high speed touring.

Engine: 20 tooth (Part No. 15-1564) List Price: \$3.50  
Gearbox: 19 tooth (Part No. 42-3016) List Price: \$5.25



"ROAD RACING" ( 4.52 - 1)

Suggested for sustained top speed riding.

Engine: 21 tooth (Part No. 15-1560) List Price \$3.50  
Gearbox: 19 tooth (Part No. 42-3016) List Price \$5.25

Internal ratios in Standard Ratio Gear box are as follows:

<u>TOP GEAR</u>	<u>THIRD GEAR</u>	<u>SECOND GEAR</u>	<u>BOTTOM GEAR</u>
1 - 1	1.099 - 1	1.326 - 1	1.929 - 1

WARNING!

DO NOT let the engine rev up over 6400 r.p.m. You must change the gearing as suggested above. Failure to do so will result in serious damage to the engine.

BSA INCORPORATED

*Walt Brown*

Walt Brown,  
Service Manager