

HINTS AND TIPS ON — SERVICE —

For **BSA** and **ARIEL** Dealers

Service Bulletin #157

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TECHNICAL DATA ON THE 1964 MODELS

A-50 Cyclone - A-65 Thunderbolt - A-65 Lightning
And A-65 Spitfire Hornet

The attached leaflet gives technical information on the above Models that is not included in the Instruction Manual.

SPARK PLUGS

These models are equipped with Champion N-4 Spark Plugs. The Champion N-4 Spark Plugs will be satisfactory for "running-in" the engine and for general road riding. However, for High Speed and Competition Riding, the following spark plugs are recommended:

KLG-FE100 Spark plugs for High Speed Road Riding
KLG-FE220 Spark plugs for Competition Riding
(Scrambles - T.T. - Dirt Track & Road Racing)

EXTERNAL GEAR RATIO

The A65-2L Lightning Models, with engine numbers up to and including A65D-614 have 20 tooth gearbox sprockets which gives a 4.36 to 1 gear ratio in Top Speed. The A65-1T Thunderbolt models with engine numbers up to and including A65C-501 also have 20 tooth engine sprockets and a 4.36 to 1 gear ratio in Top Speed.

When quick acceleration up to maximum top speed is desired, a 19 tooth gearbox sprocket is recommended for the Thunderbolt and Lightning Models which gives a lower overall gear ratio of 4.58 to 1 in Top Speed.

Lightnings and Thunderbolts with engine numbers above A65D-614 and A65C-501 have 19 tooth gearbox sprockets assembled on them which gives the lower 4.58 to 1 overall gear ratio as recommended above.

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WB/jc
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