

SERVICE SHEET No. 708B

ALL MODELS

CARBURATION AT HIGH ALTITUDES

The carburetter settings of all B.S.A. motor-cycles are designed to give the best all round performance at altitudes of a few thousand feet.

At greater altitudes the air becomes rarefied with the result that the mixture is incorrect.

To overcome this difficulty it is necessary to reduce the size of the main jet, the reduction depending on the altitude at which the machine is mainly used.

The table below shows the percentage of reduction at given altitudes, but it must be emphasized that while the alteration to jet size will correct the mixture, it will not replace the lost power. This can only be corrected by "blowing" or super-charging.

It may also be advisable to re-tune the carburetter for smaller throttle openings this should be done in accordance with Service Sheet No. 708.

| ALTITUDE | PERCENTAGE OF REDUCTION | | | | |
|-------------|-------------------------|-----|-----|-----|-----|
| | IN JET SIZE | | | | |
| 3,000 feet | ... | ... | ... | ... | 5% |
| 6,000 feet | ... | ... | ... | ... | 9% |
| 9,000 feet | ... | ... | ... | ... | 13% |
| 12,000 feet | ... | ... | ... | ... | 17% |

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