

B.S.A. CYCLES LTD.

SERVICE SHEET No. 50.

Service, February 1936.

MOTOR CYCLE.

MID SEASON CHANGES.

APPLICABLE TO ALL 1936 SUMP ENGINE MODELS—i.e., Models having the Oil Reservoir integral with the Crankcase.

1. To provide improved control of the oil supply, the oil control valve spindle has been superseded by Component No. 15-2379, on and after the following engine numbers:

3.48 h.p. O.H.V. Standard	...	...	...	D17-165C
3.48 h.p. O.H.V. Empire Star	...	...	...	D 5-175C
3.48 h.p. O.H.V. Blue Star	...	...	...	D20-258C
4.99 h.p. Side Valve	...	...	...	D 6-113C
4.96 h.p. O.H.V.	...	...	...	D 7-251C
4.96 h.p. O.H.V. Empire Star	...	...	...	D 8-306C
4.96 h.p. O.H.V. Blue Star	...	...	...	D21-350C
5.95 h.p. Side Valve	...	...	...	D10-199C

2. To obtain a higher oil gauge reading the spring loaded ball valve has been superseded by Component No. 15-2440, and marked "10 lbs." on and after the following engine numbers:

3.48 h.p. O.H.V. Standard	...	...	...	D17-165C (as above)
3.48 h.p. O.H.V. Empire Star	...	...	...	D 5-306C
3.48 h.p. O.H.V. Blue Star	...	...	...	D20-330C
4.99 h.p. Side Valve	...	...	...	D 6-113C (as above)
4.96 h.p. O.H.V.	...	...	...	D 7-309C
4.96 h.p. O.H.V. Empire Star	...	...	...	D 8-306C (as above)
4.96 h.p. O.H.V. Blue Star	...	...	...	D21-350C (as above)
5.95 h.p. Side Valve	...	...	...	D20-104C

In the event of excessive oil consumption being obtained on 1936 machines bearing engine numbers prior to those mentioned above, it is recommended that one or both of the new components be used.

To remove the existing oil control valve spindle, unscrew the cap on the timing case thus exposing the spindle and locknut, slacken off the latter and unscrew the spindle by means of a screwdriver. Fit the replacement control valve spindle, but before tightening the locknut, screw the spindle down firmly to ensure its biting on the seating, and then slacken the spindle back by one-third of a turn, locking it firmly in this position by means of a locknut before finally replacing the cap. With the control valve spindle in this position a faint haze of smoke should be in evidence from the exhaust upon acceleration of the engine, a trace of smoke under these conditions confirming that the working parts are receiving ample lubricant for all normal purposes.