

B.S.A. CYCLES Ltd.

(Proprietors: The Birmingham Small Arms Co. Ltd.)

SERVICE SHEET No. 9.

"SERVICE."

May, 1930.

MID-SEASON CHANGES.

THE CRANK PIN COMPONENT NUMBER 27-1220 fitted to early 1930 2.49 h.p. side valve, 2.49 h.p. O.H.V., and 3.49 h.p. side valve machines, was undercut at the top of the taper.

This undercut has now been superseded by a .062" radius at the top of the taper, and all replacement crank pins 27-1220 will incorporate this modification. Consequently when fitting a new crank pin to old flywheels, the holes in the wheels must be chamfered .078" deep at 45 degrees.

FISHTAILS on 1930 4.93 h.p. side valve standard, 4.93 h.p. side valve de luxe, 4.93 h.p. O.H.V. light two-port, 5.57 h.p. standard, 5.57 h.p. de luxe models.

On early productions the drilled pipe formed integral with the fishtail had a blank end.

The end of the pipe has now been cut off at 45 degrees and a circular baffle welded to the end of the pipe at right angles to the axis.

This modification will not effect silencer noise materially, but will allow the exhaust gas to get away more freely, thus reducing the likelihood of back pressure with consequent over-heating and loss of power.

GEAR CONTROL RODS fitted to 1930 2.49 h.p. side valve, 2.49 h.p. O.H.V., 3.49 h.p. side valve, and 3.49 h.p. side valve commercial models.

Early productions were fitted with a gear control rod $\frac{1}{4}$ " diameter, component number 27-4500, and an adjustable toggle 27-4520.

The diameter of the rod has now been increased to $\frac{5}{16}$ " diameter, and all replacements will be of this type under component number 15-4049.

The replacement of a $\frac{1}{4}$ " diameter rod by a $\frac{5}{16}$ " diameter component, will also necessitate the replacing of the original adjustable toggle by a new toggle $\frac{5}{16}$ " diameter, listed under component number 15-4048.