



STEWART ENGINEERING

THE SUNBEAM SPECIALISTS

Sunbeam Service Sheet No. 15

Subject: Kickstarter Quadrant and Return Spring Replacement

Date: May 1954

First ensure that the gears are in the neutral position. Remove the Toolbox, Kickstarter Lever, Footchange Lever and Gear Indicator.

Remove the propellor shaft coupling bolts and allow the shaft to hang down. Undo the nut from the rear engine mounting under the gearbox. Detach the rear engine damper complete from the top tube.

Remove the eight screws round the edge of the gearbox side cover plate, but do not touch the nuts which secure the quadrant stop pin and the cam plate centre.

Move the cover plate complete with the kickstarter and footchange mechanism as far as it will go towards the left hand frame tube. This is accomplished by carefully tapping the kickstarter and gearchange shafts alternately.

Raise the gearbox sufficiently to allow the gearbox cover plate with its attached mechanism to be withdrawn completely from the gearbox, over the frame tube. The kickstarter shaft can now be removed from the cover and the spring or quadrant replaced. The quadrant is a tight fit on the shaft and should be removed and replaced with the aid of a hollow drift. Do not omit to replace the stop plate on the back face of the quadrant.

NOTE: In the event of the kickstarter worm requiring replacement, this can only be done by removing the gearbox from the engine and dismantling.

Re-assemble the kickstarter shaft into the cover plate. Check that the gears have not been disturbed from the neutral position and re-assemble the cover plate and attached mechanism into the gearbox. The kickstarter quadrant must be fed on to the worm on the mainshaft by rotating the kickstarter worm shaft as the cover plate is pushed home.

The engine mounting, damper and propellor shaft can now be replaced, together with the footchange and kickstarter levers.

SERVICE DEPARTMENT
B.S.A. CYCLES LIMITED