



# STEWART ENGINEERING

**THE SUNBEAM SPECIALISTS**

## Sunbeam Service Sheet No. 3

**Subject: The rear *suspension* Rebound Spring assembly (Model 5.7)**

**Date: July 1948**

A heavier rebound spring, Part No. 89-4069, is available and is being fitted as standard on models in current production. The heavier spring reduces the tendency for the suspension to "bottom" when the machine is used over bad road surfaces and is interchangeable with the lighter spring fitted to early models.

### **To Fit the Spring**

Slacken the rear mudguard and rear sprindle pinch bolts, raise the mudguard, unscrew and withdraw the rear wheel spindle, and take out the wheel.

Remove the chromium plated top cap from the right-hand rear suspension bracket and take out the silencer bolt. This bolt also acts as a pinch bolt for the suspension column.

Uncouple the drive shaft at the splined sleeve and from the gearbox. Disconnect the brake rod. Supporting the worn drive unit, tap out the suspension column from the bottom of the bracket with the aid of a suitable soft drift.

Slacken the pinch bolt on the left-hand suspension unit, remove the top cap, and supporting the wheel spindle bracket, drive out the column from the bottom of the bracket with the aid of a suitable soft drift.

Each unit can now be removed in turn. Grip the top and bottom sleeves and press them together to compress the springs and to disengage the unit from the bracket. It will be noted that the rebound springs are mounted on a set of washers, two of which become surplus on fitting the heavier springs.

### **To reassemble**

First place the washers in position in the following order. The felt washer 89-4076 in the bottom of the sleeve followed by the spacing washer 89-4061, rubber washer 89-4060, spacing washer 89-4061, leather washer 89-4063 and finally thrust washer 89-4062, this is the thicker of the three steel washers.

The remainder of the reassembly is carried out in the reverse order to that for dismantling. When reassembling the suspension column make certain that the slots for the pinch bolts are in line with the pinch bolt holes before attempting to replace the bolts.

SERVICE DEPARTMENT  
B.S.A. CYCLES LIMITED