

B.S.A. CYCLES Ltd.

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

SERVICE SHEET No. 7.

"SERVICE."

May, 1930.

STEERING.

Question. My machine has recently developed a fault in the steering. Can you assist me?

Answer. Check over the alignment of the wheels by means of a straightedge.

Examine the rear wheel and make sure that it has not been replaced incorrectly or in such a manner that the chain adjuster cam is overriding the small stop formed integral with the chainstay end, thus throwing the wheel out of line.

If the rear wheel is fitted correctly but the machine is out of track, the frame, forks, fork links, backstays or chainstays may have been damaged and require resetting.

If the wheel alignment is correct then immediate attention should be given to the steering head.

If the head races are pitted a replacement set of races and balls should be fitted. Races that are only slightly pitted will cause erratic steering.

Full details for adjusting the steering head will be found on Service Sheet No. 6.

Examine the tread of the tyres. If these have worn unevenly they will certainly affect the steering. This uneven wear will have been caused by running the machine with the tyres under-inflated or the wheels out of line.

It is essential that the tyre pressures as advocated by the manufacturers be at all times maintained.

Check over the adjustment of the wheel bearings, particularly the front, as bearings too loosely adjusted will affect steering. (See Service Sheet No. 10, "Hub Adjustment.")

If the machine is fitted with a steering damper take care to see that the damper rod is not too tight a fit in the steering stem locknut through which it passes.

Make sure that the bottom rear fork link bolt is not binding in the elongated hole of the steering damper rod. If necessary open out this elongated hole slightly by means of a round file.

Check over the adjustment of the front forks, taking care to see that the links themselves are a good working fit in the forks and are not too loosely or too tightly adjusted.

Make sure that all frame bolts are up dead tight.