

B.S.A. CYCLES LTD.

Service Sheet No. 70.

March 1937.

PUSH ROD COVER and PUSH ROD COVER JOINT WASHERS for 1937 O.H.V. "B" Models.

CERTAIN alterations have been introduced in connection with the push rod cover and the joint washers and it is therefore important that use be made of the following details when replacement washers are required.

1.

B21 Model. Engine No. HB21-101 to HB21-519
B22 Model. Engine No. HB22-101 to HB22-243

The replacement washers required will be as follows:—

(A) Top Joint Washers	1. 65-851 (Rappa)
	1. 65-852 (Rappa)
Bottom Joint Washers	2. 65-854 (Rappa)
	1. 65-853 (Steel)

If any of these machines has been converted in accordance with Service Sheet No. 69, *i.e.*, if the rocker box lubrication has been brought into line with 1937 "M" Group machines, then the replacement washers required will be:—

(B) Top Joint Washer	1. 65-861 (Rubber)
Bottom Joint Washers	2. 65-854 (Rappa)
	1. 65-853 (Steel)

2.

B21 Model. Engine No. HB21-520 to HB21-1411
B22 Model. Engine No. HB22-244 to HB22-1100
B24 Model. Engine No. HB24-101 to HB24-1184
B25 Model. Engine No. HB25-101 to HB25-212
B26 Model. Engine No. HB26-101 to HB26-831

N.B.—The push rod cover fitted to these machines is bolted to the crankcase.

The replacement washers required will be:—

(A) Top Joint Washers	1. 65-851 (Rappa)
	1. 65-852 (Rappa)
Bottom Joint Washers	2. 65-855 (Rappa)
	1. 65-856 (Steel)

If any one of these machines has been converted in accordance with Service Sheet No. 69, *i.e.*, if the rocker lubrication has been brought into line with 1937 "M" Group machines, then the replacement washers required will be:—

(B) Top Joint Washer	1. 65-861 (Rubber)
Bottom Joint Washers	2. 65-881 (Rappa)
	1. 65-856 (Steel)

3.

B21 Mod. Engine No. HB21-1412 to HB21-1839
B22 Mod. Engine No. HB22-1101 to HB22-1425
B24 Mod. Engine No. HB24-1185 to HB24-1688
B25 Mod. Engine No. HB25-213 to HB25-244
B26 Mod. Engine No. HB26-832 to HB26-1110

The push rod cover fitted to these machines is bolted to the crankcase but is slightly longer overall than the one accommodated on earlier engines.

The replacement washers therefore will be in accordance with paragraph "2" with the exception that it will not be necessary to fit the shim Component No. 65-856.

4.

On all subsequent engines the replacement washers required will be:—

Top Joint Washer	1. 65-861 (Rubber)
Bottom Joint Washers	1. 65-881 (Rappa)
	1. 65-882 (Paper .010" thick)

NOTE.—When the steel shim is required this must be fitted between the two bottom joint washers.

The top joint washers specified in 1 (A) and 2 (A) are in two thicknesses, Component No. 65-851 being 1/32" whilst 65-852 is 1/16" thick. One or more of these washers may be required, depending upon the clearance in evidence between the top of the push rod cover and the base of the rocker box.

In the case of engines that have been converted and subsequent to those mentioned in section 3, when the push rod cover is offered up there must be .030" to .040" clearance between the top of the push rod cover and the base of the rocker box to allow for the fitting and securing of the rubber washer, Component No. 65-861. If upon assembly a clearance exceeding .040" is in evidence for the reception of the rubber washer, then additional .010" paper washers as necessary must be fitted between the bottom of the push rod cover and crankcase joint face.

For illustrations see Service Sheet No. 70A.