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EASTERN STATES DISTRIBUTOR FOR BSA MOTORCYCLES / A SUBSIDIARY OF THE BIRMINGHAM SMALL ARMS COMPANY, LTD. OF ENGLAND

despatch to all dealers:

SERVICE BULLETIN #5-69

January 21, 1969

FROM: Walter Brown, Service Manager

SUBJECT: 1966 to 1968 C25 - B25- B44 Gearbox Information

How to prevent the gears from jumping out of 2nd and 3rd Speed.

There are 3 conditions or a combination of all three that cause the gears to jump out of second speed and third speed.

Condition No. 1: When the teeth on the layshaft sliding gear, Part No. 41-3070 are rounded from clashing gears.

Condition No. 2: When the shifter fork track in the camplate is worn.

Condition No. 3: When the gear spacing on the shafts is not correct.

The latest shifter fork and camplate referred to in our Despatch to All Dealers, dated August 27, 1968, will improve shifting, however, in some cases it is necessary to follow another procedure to overcome the problem.

Instructions:

Step #1: Disassemble the gearbox and inspect the layshaft sliding gear and camplate for wear.

Step #2: Replace these two items if they show wear - 1 -41-3070 gear and 1 - 40-3294 camplate- if they are not worn use them again.

Step #3: Replace both shifter forks with the latest forks, Part No. 57-3854.

These shifter forks are made in such a way as to locate the sliding gears completely engaged in both second and third speed.

Continued

January 21, 1969

SUBJECT: 1966 to 1968 C25 - B25 - B44 Gearbox Information, Continued.

Caution: Do not assemble the latest 1969 camplate Part No. 57-3850 in the gearbox when you assemble two of the latest shifter forks because the cam track is different from the one in the original camplate and there will be interference and the gears will not shift properly.

The latest camplate Part No. 57-3850 is marked 69 for the purpose of identification.

An alternative procedure to prevent the layshaft sliding gear from jumping out of second speed is as follows:

Step #1: Assemble the latest camplate Part No. 57-3850.

Step #2: Assemble one of the latest shifter forks on layshaft Part No. 57-3854.

When it is necessary to perform either one of the above assemblies on a B44/B25 Model that is still within the time and mileage limits of the guarantee, a Warranty Credit Claim can be submitted for the parts and labor.

The Job Operation is No. 1.22 and the Labor Allowance for the work on the B44/B25 Models is \$22.50.