

Dynamo 3 Brush.txt

colin hulme

Joined: 19 Jul 2006

Posts: 3

Location: leicester

Posted: Sat Nov 04, 2006 4:46 pm Post subject: 3 bush dynamo help

Now the dark evenings are upon us im finding that running a total loss lighting system unsatisfactory. So i have taken the dynamo off and would like to test it through with a ohm meter. however never having worked on a bike with a 3 bush dynamo im at a loss as to where to begin. I would like to test before sending for repair. Any pointers appreciated Colin.

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Graham

Joined: 28 Aug 2006

Posts: 4

Location: Arkansas

Posted: Sat Nov 04, 2006 5:30 pm Post subject:

There are two styles of 3 brush dynamo, early fixed 3rd brush and the later adjustable 3rd brush type. You can adjust output with the moveable 3rd brush style.

Check out <http://www.bolsover.com/lucas/index.htm> for good information on testing generators.

You can opt to discard the third brush and run the dynamo with a modern electronic field control.
Look in <http://www.norbsa02.freeuk.com/goffyelectrex.htm> for more details.

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colin hulme

Joined: 19 Jul 2006

Posts: 3

Location: leicester

Posted: Sat Nov 04, 2006 6:25 pm Post subject:

Thanks Graham the dynamo is a fixed 3 bush lucas E3 M-1 type AX-0. And came fitted to my 31 squirrel which had no lights or wiring fitted. When running the bike i get no voltage output from the dynamo. Colin.

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Graham

Joined: 28 Aug 2006

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Location: Arkansas

Posted: Sun Nov 05, 2006 5:46 pm Post subject:

I do not know of your model, but guess that it has the 3rd brush earthed. It will only give an output if rotated in the designed direction. Before stripping it, remove the 3rd brush and see if it produces voltage output. Without the 3rd brush it should give an output when rotated in either direction.

Do not have any lights connected, or you may blow them. The dynamo will be unregulated and it should produce about 18 volts without the third brush.