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**LUCAS WORKSHOP INSTRUCTIONS**

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## GENERATORS

### "WINDOWLESS" YOKES

Some generators are now produced without brushgear inspection windows. Access to the brushgear in these generators is gained by unscrewing the two through bolts and withdrawing the commutator end bracket. Since this involves the partial dismantling of a unit, inspection of the brushgear and commutator (every two years or 12,000 miles) should be carried out by a competent automobile electrician.

To check the brush spring tension, the yoke should be completely withdrawn from the armature and the commutator end bracket refitted to the shaft.

When reassembling a "windowless" yoke generator, the brushes must first be held clear of the commutator in the usual way, i.e. by partially withdrawing the brushes from their brush-boxes until each brush is trapped in position by the side pressure of its spring. The brushes can be released on to the commutator with a small screwdriver or similar tool when the end bracket is assembled to within about half-an-inch of the yoke. Before closing the gap between end bracket and yoke, see that the springs are in correct contact with the brushes.

