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**LUCAS WORKSHOP INSTRUCTIONS**

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**GENERATOR MODEL RA5****COMMUTATOR END BEARING REPLACEMENT**

These instructions for replacing the commutator end bearing supersede those given in SECTION A-3, Page 3, where it was stated that a complete new end bracket must be fitted should the bearing fail. Bearings for the commutator end bracket are now supplied as spares, and should be fitted as indicated below. It must be emphasised, however, that it is extremely unlikely that wear of the bearing sufficient to necessitate replacement will occur during the normal service life of the generator.

An extractor of normal type cannot be used to pull the inner bearing journal off the shaft, owing to the shape of the journal. A horse-shoe shaped plate of mild steel, bearing against the tapered shoulder of the journal, may be used in conjunction with the extractor, or alternatively some form of contracting collet extractor may be used. The outer journal may be extracted more easily if, after removing the bearing cover plate, the end bracket is gently heated. The suppression condenser should be removed before this operation.

Fit the new bearing in the normal manner, ensuring that it is clean and packed with high-melting-point grease before assembly.

