

SB/GN/78 HOME
A/18 EXPORT
JULY 1967

Service Implications of the Introduction of Automatically Wound and connected Armatures on Non-Standard C40 range of Generators

Generator armatures for non standard machines in the C40 range i.e. C40A, C40L, C40T, C40R and special C40/1, formerly shuttle wound, are to be automatically wound and connected, a method used successfully for a number of years on the standard C40 armature.

These changes have meant slight modifications to the commutating position of the machine to maintain the present output characteristics.

If a replacement armature is fitted to one of the above machines in service, it is possible to have a combination of the two types, i.e. a shuttle wound armature to service a machine originally designed for automatically wound and connected armatures and vice versa.

Apart from the C40L generator, armatures, yokes and brackets of the old and new types are interchangeable within a machine type without any adverse effect. This also applies when an automatically wound and connected armature is fitted into an old type C40L, but on no account must a shuttle wound armature be fitted into the later type C40L as overheating and eventual failure may occur.

Suffix letters of the new types have been advanced and will effect the following C40L generators.

22713	J) Fitted with automatically wound and connected armature 54217874.
22716	L	
22763	D	
22766	D	
22771	B	
22774	B	

Part number of the shuttle wound armature 54213321, only to be used to service machines prior to the above suffix change.

Shuttle wound armatures can be identified by having paper interleaved between the leads connected to the commutator. Automatically wound and connected armatures do not.