

## CHARGING TROUBLE

Symptoms	Possible Causes	Remedy
Battery in low state of charge, shown by lack of power when starting. (Hydrometer reading less than 1.200)	<b>Generator not charging when running at about 20 m.p.h. with no lights in use. Due to:—</b>	
	Broken or loose connection in generator circuit, or regulator not functioning correctly.	Examine charging and field circuit wiring. Tighten loose connection or replace broken lead. Particularly examine battery connections. Examine regulator.
	Commutator greasy or dirty.	Clean with soft rag moistened in petrol.
	<b>Giving low or intermittent output, when car is running steadily in top gear. Due to:—</b>	
	Generator belt slipping.	Adjust belt (see Section B).
	Loose or broken connections in generator circuit.	Examine charging and field circuits wiring. Tighten loose connections or replace broken lead. Particularly examine battery connections.
	Brushes greasy or dirty.	Clean with soft rag moistened in petrol.
	Brushes worn or not fitted correctly.	Replace worn brushes. See that brushes "bed" correctly.
	Regulator not functioning correctly.	Examine regulator.
Battery overcharged, shown by burnt-out bulbs and very frequent need for "topping up". Hydrometer readings high.	<b>Giving high output. Due to:—</b>	
	Regulator not functioning correctly.	Examine regulator.