

DIAGNOSIS

Trouble	Probable Causes	Remedy
No charging	<ol style="list-style-type: none"> 1. Broken wire or short, loose connection. 2. Defective coil due to short, grounding, open circuit. 3. Defective silicon diode. 4. Broken or shorted lead wire at regulator. 5. Regulator voltage at no load is too low. 	Repair or replace Replace Replace Repair or replace Readjust
Insufficient charging	<ol style="list-style-type: none"> 1. Wiring <ul style="list-style-type: none"> • Broken wire, intermittent shorting or loose connection. 2. Generator <ul style="list-style-type: none"> • Shorting across layer in the field coil (resistance indicated in continuity test). • Shorting across layer in stator coil. • Open circuit in one of the stator coil. • Defective silicon diode. 3. Regulator <ul style="list-style-type: none"> • Voltage below specified value at no load. • Dirty or pitted points. • Coil or resistor internally shorted. 4. Battery <ul style="list-style-type: none"> • Low electrolyte level. • Defective battery plates. 	Repair, retighten Replace Replace Replace Replace Readjust Polish Replace Add distilled water Replace
Excessive charging	<ol style="list-style-type: none"> 1. Wiring <ul style="list-style-type: none"> • P terminal circuit and F terminal circuit shorted resulting in split wound generator. 2. Battery <ul style="list-style-type: none"> • Internal short. 3. Regulator <ul style="list-style-type: none"> • Excessive voltage at no load voltage. • Defective grounding. • Broken coil lead wire. 	Repair Replace Repair Provide proper ground Repair, replace
Unstable charging voltage	<ol style="list-style-type: none"> 1. Wiring <ul style="list-style-type: none"> • Bare wire shorting intermittently under vibration or broken wire making partial contact. 2. Generator <ul style="list-style-type: none"> • Layer short (intermittent shorting) 3. Generator <ul style="list-style-type: none"> • Intermittent open circuit in the coil. • Improperly adjusted voltage. • Defective key switch. • Dirty points. 	Repair or replace Repair or replace Repair or replace Readjust Replace Clean