

Mecc Alte Gen-end Troubleshooting Tables

Problem or Symptom	Possible Cause(s)	Remedies
Circuit Breaker Trips	Overload on circuit	Reduce electrical load
	Shorted electric load	Repair short in device
	Defective breaker	Replace breaker
Proper no load voltage but low loaded voltage	Low loaded speed	Check & adjust engine RPM
	Load too heavy	Check & reduce load
	Diodes shorted	Check & replace
	Engine governor	Adjust or repair governor
Proper no load voltage but high loaded voltage	Excessive RPM	Check & adjust
Unstable voltage	Loose contacts	Check connections at circuit breakers and receptacles
	Uneven rotation	Check engine RPM
	Loose rotor	Tighten rotor bolt
Noisy Generator	Broken bearing	Replace
	Poor coupling	Check & repair
	Broken fan	Replace
Voltage for a few minutes then no voltage	Cracked windings	Replace rotor or stator
No voltage	Low Speed	Check RPM of engine 3600 RPM
	Faulty capacitor	Check & replace
	Faulty windings	Check winding resistance
	Out of service many months	Flash
	Faulty circuit breaker	Check & replace
	Not enough engine HP	Consult factory
High no load voltage	Speed too high	Check and adjust to 3600 RPM
	Capacitor with high capacity	Check and replace
Low no load voltage	Speed to low	Check and adjust to 3600 RPM
	Faulty diodes	Check and replace diodes
	Winding breakdown	Check winding resistance
	Capacitor with low capacity	Check and replace
Voltage on 120 volt side is 60-90 Volts	One defective diode	Replace both diodes and varistors