

Small AC Gear Motor

Failures and solutions

Solutions for DC Brake failures

Failures	Analysis of causes	Solutions
Brake no operation	No power supply	Supply power
	Brake pad worn	Replace the brake pad
	Excessive gap	Adjust gap
	Power supply damaged	Replace power supply
	Foreign bodies	Clean the parts
	Wrong voltage	Use correct voltage
	Wire disconnected	Connect wire
	Jamming of the brake	Clean the parts
	Brake coil burnout	Replace brake coil
Brake movement	Wear of the friction disc	Replace brake pad
	Excessive gap	Adjust gap
	brake pad covered by oil stains	Clean the brake pad
	Excessive load	Re-design
	Lean of the brake surface	Replace parts
	Excessive descending impulse	Re-design the mechanism
	Selection of wrong type	Select the correct type
	High ambient temperature	Check the ambient temperature

Solutions for Gear motor failures

Failure	Analysis of causes	Solutions
Noise	Gear knocking sound	Gear surface damaged
	Continuous noise	Damage to the bearing
	Periodic noise	Foreign substance attached to the tooth surface
	Hissing sound	Low oil level
	Intermittent noise	Dirty lubricating oil
Vibration	Mounting base vibrating	Mounting surface deflected
	Output shaft vibrating	Bearing damaged
	Internal gear vibrating	Gear damaged
	Housing vibrating	Gear set assemble defective
Oil leak	Oil seal leaked	Oil seal harden
	Housing oil leaked	Sand hole on housing
	Joining surface oil leaked	O-ring damaged
Overheating	Bad oil seal	Oil seal too tight
	Housing overheating	Overloading
	Less lubricating oil	Low oil level
	Motor overheating	Motor defective