

GENERAL TROUBLE AND TROUBLE SHOOTING

(1) If trouble occurs.

If trouble occurs, pursue the cause and remove it.

(2) To repair

Repair the troubled parts according to the trouble shooting table. If the cause is not found and repairing is impossible, contact our agent.

Trouble	Cause	Troubleshooting
Indication of winding/unwinding is reverse.	Power phases are reverse.	Reversely connect two lines except S-phase among three power lines.
	Wire rope is reversely wound.	Don't unwind load block over bottom position.
Over-winding limit SW does not actuate, thus resulting in over-winding.	Power phases are reverse.	Reversely connect two lines except S-phase among three power lines.
	Limit SW fails.	Open cover of control box and check contact of over-winding limit SW.
Shocked by hoist.	Hoist and I-beam are not grounded.	Securely ground.
	Bared connection part is touched on hoist.	Check each connection.
	Since I-beam cross travel surface is painted, grounding is improper.	Remove paint on only cross travel surface.
	Line No.2 among power lead-out lines (Line Nos.1,2,3) is not connected to S-	Connect to S-phase.
Load won't raise because motor malfunctions.	Load is over.	Hoist rated load.
	Voltage drops.	Rise voltage to specified value.
	Wiring cord is interrupted.	Repair interrupted part.
	Connection is disconnected.	Reconnect cord.
	Power and switches are incorrectly	Securely connect cables.
	Fuse of power SW is blown out.	Replace fuse with new one.
Cannot hoist specified load.	Voltage lowers.	Rise to specified voltage.
	Motor malfunctions.	Check and repair motor.
	Gears are worn.	Replace gears.
	Cables are incorrectly connected.	Securely connect cables.
Wire rope is cut, worn and kinked.	Wire rope is reversely wound.	Correctly wind wire rope.
	Wire rope is worn because of horizontal or vertical hoisting.	Correctly use wire rope.
	Wire rope is caught on thing while hoisting.	Correctly use wire rope
	Wire oil is inadequate.	Periodically (or monthly) inspect wire rope.
	Corroded by chemical.	Periodically coat wire rope with oil.
	Over-load or shock-load is applied since specified wires or more are cut.	Never use wire rope in which 10% or more wires is cut in 1 wire rope lay.
Motor is overheated.	Rated load or more is hoisted.	Hoist rated load or less.
	Voltage lowers.	Check voltage and rise it to specified value.
	Motor start or operation frequent.	Use rated motor or 1-stage grade up hoist.
	Electromagnetic brake is inadequate.	Check and repair electromagnetic
Gear noise is very high.	Gear and bearing are remarkably worn because they are used for a long period of time at oil shortage.	Disassemble and check.
	When assembling gears, marks are not aligned.	Replace parts if required.
Idle run of cross travel wheels.	Foreign matters such as oil, water, paint and other are adhered on I-beam.	Clean I-beam or sand on I-beam surface.
	Hoist is inadequately mounted.	Correctly mount hoist by considering center of gravity.