

TROUBLE SHOOTING

When the winch fails to operate after several attempts, or if there is any fault operation while winching, check followings.

Symptom	Possible Cause	Remedy
Winch will not operate	Cut circuit or loosing	Check battery cable.
	Weak battery or insufficient power	Recharge or replace battery
	Damaged over load protector	Replace over load protector
	Loose connection of wirings	Checking all wirings
	Damaged or stuck solenoid	Replace solenoid
	Defective remote control	Check winch operation with an auxiliary switch
	Damaged motor or worn carbon brush	Replace motor or carbon brush
Motor runs in one direction	Broken wiring or bad connection	Reconnect or replace wiring
	Damaged or stuck solenoid	Replace solenoid
	Switch inoperative	Replace switch
	Dropt or lost wiring	Replace wiring and tighten.
Drum will not freespool	Freespool not disengaged	Engaged freespool
	Damaged brake or freespool ass'y	Replace brake or freespool ass'y
	Damaged drum bushing	Replace drum bushing
	Damaged gear box	Replace gear box
No brake	Damaged or inoperative pressed spring	Replace pressed spring
	Disengaged freespool	Engaged
	Damaged output shaft	Replace output shaft
	Damaged 1st shaft	Replace 1st shaft
Brake distance is too long	Worn or damaged brake	Replace or adjust brake
Winch runs opposite direction	Motor leads crossed	Reverse electrical connections to motor
	Solenoid control crossed	Reverse black and red wires on the solenoid
	Remote control or trigger switch crossed	Reverse electrical connections
Motor runs extremely hot	Long period of operation	Stop operation to have it cooled
	Over-load	Reduce load
	Damaged or inoperative brake	Replace or repair brake