OPERATING INSTRUCTIONS

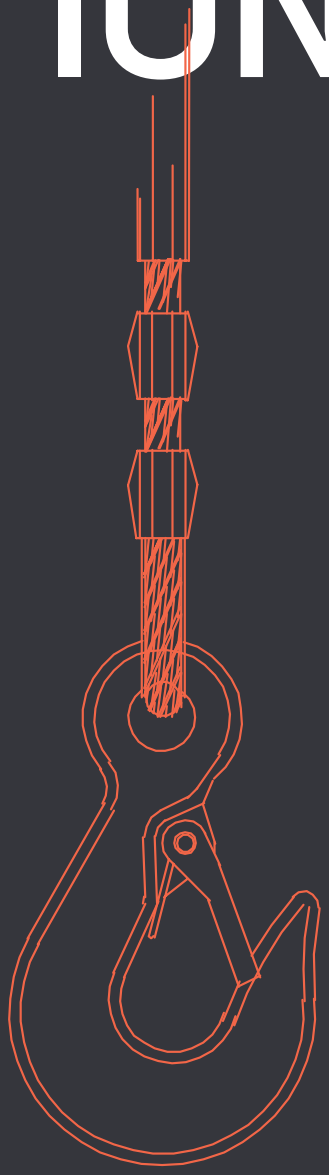
Read and save these instructions.

ATTA3

3500 LBS

ATTA5

5000 LBS



WARNING: Read carefully and understand all assembly and operation instructions before operating. Failure to follow the safety rules and other basic safety precautions may result in serious personal injury.

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PAGE REFERENCES

The 3500lbs and 5000lbs DC 12V electric winch is ideal for Trailers, ATV and UTV vehicles. The automatic load-holding brake keeps the load under tension.

TECHNICAL SPECIFICATIONS
ATTA3

Property	Specification
Motor	12 Volt DC, 1.8HP
Rated line pull	3500 lbs (1588 kg)
Application	Utility/ Trailer/ ATV / UTV
Power in and power out	Yes
Control switch	Wired
	Wireless remote switch
Gear train	3 stage planetary
Gear ratio	166:1
Free spool	Yes
Brake	Automatic, full load holding
Drum size (Dia x L)	2.03 inch x 2.95 inch (51.5 mm x 75 mm)
Hook	1/4" clevis hook
Rope size	0.189 inch x 49.87 ft (4.8 mm x 15.2 m)
Battery	12VDC, Minimum 650 CCA

Layer	Rated line pull (lbs / kgs)	Wire rope capacity (ft / m)
1	3500/1588	7.77/2.36
2	2991/1357	17.64/5.38
3	2610/1184	27.95/8.52
4	2330/1057	40.5/12.5

Line pull (lbs / kg)	Line speed (fpm / mpm)	Motor Amps
0	24.1/7.35	25
875/397	13.2/4.03	96
1750/794	11.5/3.5	138
2625/1190	8/2.43	176
3500/1588	6.2/1.9	215

TECHNICAL SPECIFICATIONS
ATTA5

Property	Specification
Motor	12 Volt DC, 2.4 HP
Rated line pull	5000lbs (2268 kg)
Application	Utility/ Trailer/ ATV / UTV
Power in and power out	Yes
Control switch	Wired
	Wireless remote switch
Gear train	3 stage planetary
Gear ratio	166:1
Free spool	Yes
Brake	Automatic, full load holding
Drum size (Dia x L)	2.03 inch x 2.95 inch (51.5 mm x 75 mm)
Hook	5/16" clevis hook
Rope size	0.217 inch x 40 ft (5.4 mm x 15.2 m)
Battery	12VDC, Minimum 650 CCA

Layer	Rated line pull (lbs / kgs)	Wire rope capacity (ft / m)
1	5000/2268	9.79/2.98
2	4081/1851	21.7/6.62
3	3447/1563	35.8/10.9
4	2984/1353	49.8/15.2

Line pull (lbs / kg)	Line speed (fpm / mpm)	Motor Amps
0	24.11/7.35	29
1250/568	15.41/4.7	94
2500/1136	11.48/3.5	150
3750/1704	8.59/2.62	219
5000/2268	5.9/1.8	278

IMPORTANT
SAFETY INFORMATION

Symbol	Property or Statement
	Wear heavy-duty, cut- and abrasion-resistant leather gloves.
	Wear ANSI-/DIN approved safety glasses.
	Cut or sever hazard.
	Roller entanglement hazard.
	Hot surface burn hazard.
	Fire hazard.
	Caustic chemical hazard from battery acid.
	Explosion hazard.
	Do not loop the wire rope around object and hook onto itself.
	Do not place fingers through hook. Fingers may be caught and get pulled into fairlead or drum.
	Pull hook using strap only.

Symbol	Property or Statement
	Do not use winch in overwind orientation (wire rope enters/exits at the top).
	Use winch only in underwind orientation (wire rope enters/exits at the top).
VDC	Volts Direct Current
A	Amperes
CCA	Cold Cranking Amperes
HP	Horsepower
fpm	Feet Per Minute
Mpm	Meters Per Minute
RPM	Revolutions Per Minute
IP	International Protection rating classifies the degrees of protection provided against the intrusion of solid objects, dust, accidental contact and water.
G8	Grade 8, a fastener strength rating.

IMPORTANT
SAFETY INFORMATION

WARNING

■ Read and understand all instructions. Failure to follow all instructions may result in serious injury or property damage.

■ The warnings, cautions, and instructions in this manual cannot cover all possible conditions or situations that could occur. Exercise common sense and caution when using this tool. Always be aware of the environment and ensure that the tool is used in a safe and responsible manner.

■ Do not allow persons to operate or assemble the product until they have read this manual and have developed a thorough understanding of how it works.

■ Do not modify this product in any way. Unauthorized modification may impair the function and/or safety and could affect the life of the product. There are specific applications for which the product was designed.

■ Use the right tool for the job. DO NOT attempt to force small equipment to do the work of larger industrial equipment. There are certain applications for which this equipment was designed. This product will be safer and do a better job at the capacity for which it was intended. DO NOT use this equipment for a purpose for which it was not intended.

■ Industrial or commercial applications must follow EU-OSHA requirements.

PERSONAL SAFETY

■ Stay alert, watch what you are doing, and use common sense when operating the tool. Do not use the tool while you are tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating the tool may result in serious personal injury.

■ Dress properly. Do not wear loose clothing, dangling objects, or jewelry. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewelry, or long hair can be caught in moving parts. Air vents on the tool often cover moving parts and should be avoided.

■ Wear the proper personal protective equipment when necessary. Use DIN EN 166 BTKN / ANSI Z87.1 compliant safety goggles with side shields or a face shield. Use a dust mask in dusty work conditions. Also use non-skid safety shoes, hardhat, gloves, dust collection systems, and hearing protection when appropriate. This applies to all persons in the work area.

■ Do not overreach. Keep proper footing and balance at all times.

WORK AREA SAFETY

■ Inspect the work area before each use. Keep work area clean, dry, free of clutter, and well-lit. Cluttered, wet, or dark work areas can result in injury. Using the product in confined work areas may pul you dangerously close to cutting tools and rotating parts.

■ Do not use the product where there is a risk of causing a fire or an explosion, e.g., in the presence of flammable liquids, gases, or dust. The product can create sparks, which may ignite the flammable liquids, gases, or dust.

■ Do not allow the product to come into contact with an electrical source. The tool is not insulated and contact will cause electrical shock.

■ Keep children and bystanders away from the work area while operating the tool. Do not allow children to handle the product.

■ Be aware of all power lines, electrical circuits, water pipes, and other mechanical hazards in your work area. Some of these hazards may be hidden from your view and may cause personal injury and/or property damage if contacted.

IMPORTANT
SAFETY INFORMATION

PRODUCT USE AND CARE

■ Do not force the product. Products are safer and do a better job when used in the manner for which they are designed. Plan your work and use the correct product for the job.

■ Check for damaged parts before each use. Carefully check that the product will operate properly and perform its intended function. Replace damaged or worn parts immediately. Never operate the product with a damaged part.

■ Do not use a product with a malfunctioning switch. Any power tool that cannot be controlled with the power switch is dangerous and must be repaired by an authorized service representative before using.

■ Disconnect the power/air supply from the product and place the switch in the locked or off position before making any adjustments, changing accessories, or storing the tool. Such preventive safety measures reduce the risk of starting the tool accidentally.

■ Store the product when it is not in use. Store it in a dry, secure place out of the reach of children. lnspect the tool for good working condition prior to storage and before re-use.

■ Use only accessories that are recommended by the manufacturer for use with your product. Accessories that may be suitable for one product may create a risk of injury when used with another tool. Never use an accessory that has a lower operating speed or operating pressure than the tool itself.

■ Keep guards in place and in working order. Never operate the product without the guards in place.

■ Do not leave the tool running unattended.

■ Do not wear loose clothing or jewelry, as they can be caught in moving parts. Non-skid footwear is recommended. Wear restrictive hair covering to contain long hair.

■ Wear ANSl-approved safety goggles and heavy-duty leather works gloves du ring installation.

■ Before installation confirm that area is clear of fuel lines, brake lines, electrical wires, gas tanks or any other component which could be damaged du ring drilling.

■ Mounting location and hardware must support winch and load.

■ Use supplied power cords and wire rope listed in manual only. Do not use thinner/longer cables or link multiple cables together.

■ Do not route electrical cables near sharp edges or parts that will move or become hot.

■ Ventilate area weil before and while working on battery. Explosive invisible hydrogen gas can accumulate and then explode when ignited by a spark from the battery connection.

■ Only connect to a clean, corrosion free battery.

■ Do not lean over or come in contact with battery while making connections.

■ Remove all metal jewelry before working near battery.

■ Connect red wire to positive battery terminal and black wire to negative battery terminal.

■ Insulate all exposed wiring and terminals alter installation.

■ lnstall winch and fairlead in underwind orientation, so that the wire rope enters and exits the winch at the bottom of the drum.

IMPORTANT
SAFETY INFORMATION

SPECIFIC OPERATION WARNINGS

■ Do not exceed load capacity. Be aware of dynamic loading. Sudden load movement may briefly create excess load causing product failure.

■ Do not maintain power to the winch if the motor stalls. Verity load is within rated capacity for the wire rope layer, see WINCH SPECIFICATIONS.

■ Make sure the battery is fully charge.

■ Use double line rigging whenever possible.

■ Wear ANSI-Approved safety goggles and heavy-duty leather work gloves during operation.

■ Do not disengage clutch under load. Engage clutch before starting.

■ Keep clear of fairlead when operating. Do not try to guide wire rope.

■ Do not place finger through hook. Finger may be caught and get pulled into fairlead or drum. Use included strap to hold hook instead.

■ Place heavy rag or carpet over wire rope span 6 feet from hook to help absorb the force released if the wire rope breaks (see figure A).

■ Stay out of the direct line that the wire rope is pulling. In case it slips or breaks, it will „whiplash“ along this line.

■ Do not use for lifting or moving people.

■ Use a spolter to assist you in assuring that it is safe to operate the winch. Make sure the spotter is out of the way of the vehicle and the wire rope before activating the winch.

■ Do not use vehicle to pull on the wire rope and „assist“ the winch.

■ Use as intended only. Do not lift items vertically or use for aircraft purposes.

■ Prevent entanglement, do not wear loose clothing or jewelry, as they can be caught in moving parts. Non-skid footwear is recommended. Wear restrictive hair covering to contain long hair.

■ Disconnect pendant controller before working near the wire rope, drum, fairlead, or load, to prevent accidental starting.

Figure A: whiplash dampening blanke! or rug

■ Inspect before every use, do not use if damaged or parts loose. Examine the winch for structural cracks, bends, damage, frayed or kinked wire rope, and any other conditions that may affect the safe operation of the winch. Do not use the winch even if minor damage appears. A kink permanently weakens the wire rope, even after it is straightened out, kinked wire rope can fail suddenly and must not be used.

■ ***Keep wire rope straight to avoid kinking the wire rope. The illustrations to the right show how a kink form looks like.***

■ Keep children and bystanders away while operating, distractions can cause you lose control.

■ Stay alert, watch what you are doing and use common sense when operaling. Do not use a winch while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating winches may result in serious personal injury.

■ Do not overreach. Keep proper footing and balance at all times. This enables better control of the winch in unexpected situations.

■ Do not use a recovery strap while winching. They are designed to streich and can suddenly whip back towards the operator during a winching operation.

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Fig. A *This illustration shows a kink about to form. At this point the winch should be stopped and the wire ropes should be straightened out to prevent kinking.*

Fig. B *This wire rope is kinked. It is too late to reverse the damage at this point, the wire rope must be discarded. It is permanently damaged and must not be used.*

Fig. C *This is a kinked wire rope that has been straightened out. Even though it has been pulled straight, some wires in the wire rope are stretched, and others are severely bent, if not broken. The unstretched wires will take more load and can fail suddenly before the rope reaches its capacity. This wire rope must be discarded and not be used.*

A kink permanently weakens the wire rope, even after it is straightened out; kinked wire rope can fail suddenly and must not be used.

IMPORTANT
SAFETY INFORMATION

SPECIFIC OPERATION WARNINGS

■ Secure load after moving. **NO LOCKING MECHANISM!**

■ Keep at least 8 turns of wire rope on drum. The wire rope's connection to the drum is not intended to sustain a load. Without the added support from the friction of at least 8 full turns of wire rope.

■ Wrap wire rope under 500 lbs (230 kg), tension before use. Otherwise, wire rope may bind during operation.

■ Keep clear ofwire rope, hook and load while winching. Do not step overwire rope. Do not push sideways against wire rope under tension; wire rope might break under this load and recoil back, striking the person pushing against it or a bystander.

■ If wire rope begins to get entangled, stop winch immediately and release wire rope using switch.

■ Do not submerge winch in water. If winch gets submerged accidentally, it needs to be immediately disassembled, cleaned, dried and re-lubricated by a qualified technician to prevent permanent damage from corrosion.

■ Only winch with the winching vehicle's transmission in neutral. Winching with a vehicle's transmission in gear or park may damage the transmission. A vehicle's transmission is not designed to handle that type of load.

■ Do not operate the winch at extreme angles. Do not exceed the angles shown in Figure B for a roller fairlead. Fora hawse fairlead, the angle should be as close to straight as possible.

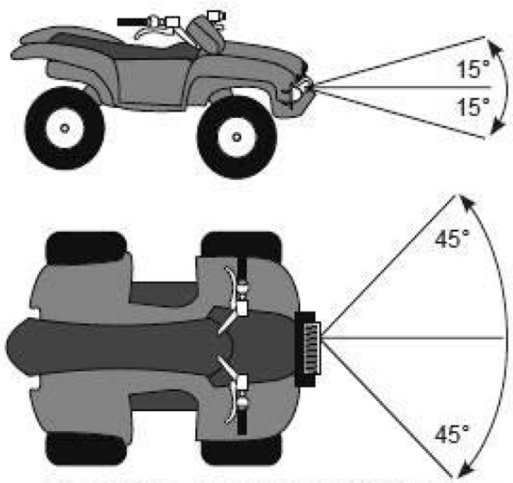


Figure B: roller fairlead maximum winching angles

■ If the object to be pulled must be pulled at an angle in relation to the winch, use a pulley (sold separately) and an anchor point directly in front of the winch, as shown in Figure C, to keep the wire rope pull straight.

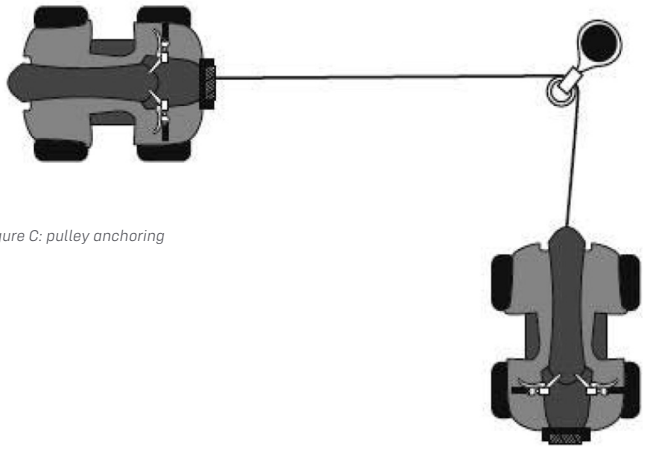


Figure C: pulley anchoring

■ Broken strands of wire rope will be sharp. Wear heavy-duty work gloves when handling the wire rope. Do not slide wire rope through hands, even with gloves on.

■ Winch motor will be hol during and after use. Keep clear.

■ Do not power the hook all the way into the fairlead or winch.

■ People with pacemakers should consult their physician before use. Electromagnetic fields in close proximity to heart pacemaker could cause pacemaker interference or pacemaker failure.

■ Wear ANSl-approved safety goggles and heavy-duty leather work gloves during service.

■ Disconnect power to winch and allow il to cool complelely before service.

■ Use supplied power cords/wire rope or cables listed in manual only. Do not use thinner/longer cables or link multiple cables together.

■ Have the winch serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the winch is maintained.

ASSEMBLY INSTRUCTIONS

■ The mounting plate must be rated to at least the winch's capacity.

■ Align the winch perpendicular to center line of the vehicle at the desired location and mark the locations of the winch base holes. Compare the dimensions of the marked holes to Figure D.

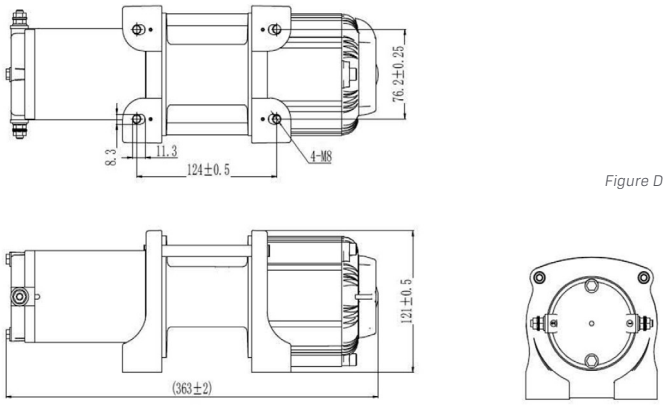


Figure D

■ Before drilling, verify that the installalion surface has no hidden components or structural pieces
that will be damaged.

■ NOTE: this winch can generate extreme forces. Select a location that can withstand the raled capacity without damage or weakening. Steel reinforcement plates may be needed or a certified welder maybe need to weid on additional bracing depending on the mounting location.

■ Drill holes appropriate for the hardware at the marked locations.

■ lnstall the winch using the hardware specified on the specification chart.

MOUNTING THE WINCH COMPONENTS

■ Mount the solenoid box in proper location so that:

a) Winch components are close enough to each other to allow wires to be routed properly.

b) Vehicle component operation is not interfered with.

c) Vehicle components are not damaged by drilling or driving screws.

d) Winch components will not be damaged by stresses caused by vehicle operation.

■ Mark the locations where the screw holes will be.

■ Verity that the installation surface has no hidden components or structural pieces that will be damaged before drilling.

■ Drill pilot holes for the mounling screws.

■ Secure in place with mounting screws.

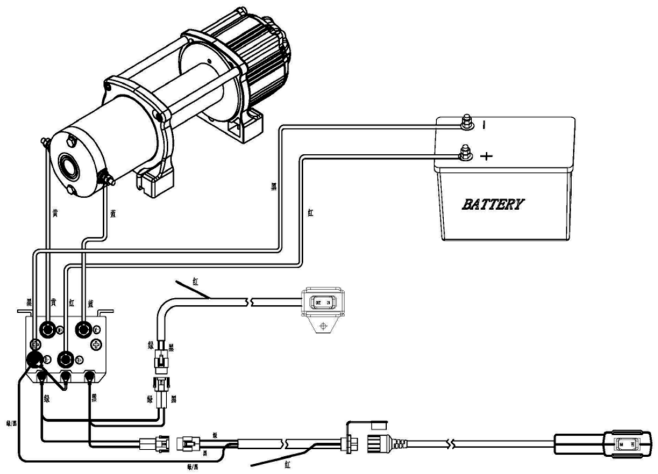
IMPORTANT
SAFETY INFORMATION

WIRING

■ Plan a route for the wiring from the point of the vehicle where the winch will be mounted, or used, to the battery. This route must be secure, out of the way of moving parts, road debris, or any possibilily of being damaged by operation or maintenance of the vehicle. For example, you may wish to route the wires under the vehicle, attaching it to the frame using suitable fasteners. Do not attach the wires to the exhaust system, drive shaft, emergency brake cable, fuel line, or any other components which may create damage the wiring through heat or motion, or create a fire hazard.

■ If you drill through the bumper or any part of the body to raute the wires, be sure to install a rubber grommet in the hole to prevent fraying of the wires at that point.

■ Route the cables from the solenoid to the battery and from the solenoid to the winch, following the precautions discus-



■ Attach the wires from the solenoid box to the terminals on the winch.

■ Attach the black battery cable directly to the negative terminal of the battery. Note:

■ The attachment of the motor cables determines the direction of the pendant controller's button. After the unit is mounted and powered, check the direction of the power IN and power OUT on the pendant controller button, if you wish to change the direction on the pendant controller, disconnect the battery cables from the battery, switch the motor cable connections on the motor assembly, then reconnect the battery cables.

PREPARING THE WIRE ROPE

■ The wire rope must be properly coiled under tension to be able to support a load without damage.

■ Uncoil the wire rope, except for 5 full wraps.

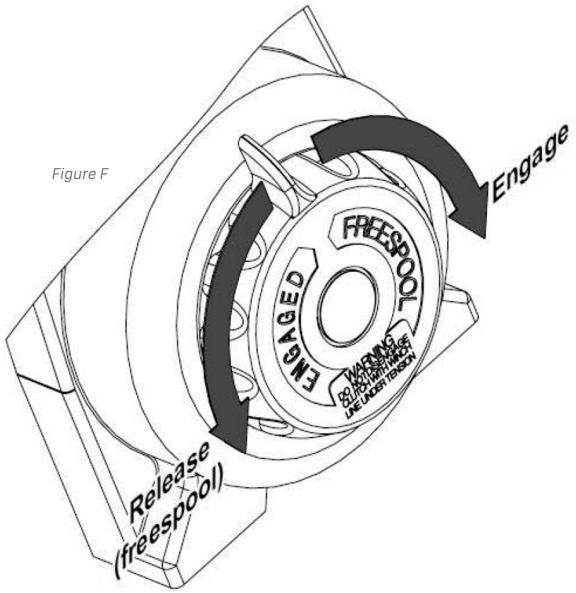
■ Recoil the wire rope back into the winch under at least 500 lbs (230 kg) of tension.

CLUTCH OPERATION

■ Do not adjust the clutch unless there is no load on the wire rope.

■ To engage the clutch, turn the clutch knob clockwise completely until it stopes, see Figure F.

Figure F



BEFORE EACH USE

■ Read the **ENTIRE IMPORTANT SAFETY INFORMATION** section at the beginning of this manual including all text under subheadings therein before setting up or use of this product.

■ The instructions that follow are basic guidelines only and cannot cover all situations encountered during use. The operator and assistants must carefully plan usage to prevent accidents.

1. Examine the wire rope. Do not use the winch if the wire rope is frayed, kinked of damaged.

2. Fully charge the vehicle's battery.

3. Check the winch's electrical connections, all connections must be light and clean.

4. Put the vehicle's transmission in neutral.

5. If the vehicle where the winch is mounted is not supposed to be moved, engage the emergency brake and block the wheels using wheel chocks (sold separately).

6. To pull out the wire rope, move the clutch handle to the released position, slide the loop of the hook strap over the hook, then pull on the hook strap to pull out the wire rope. **WARNING!** leave at least 5 full turns of wire rope on the drum.

7. Hook onto the object using a pulling point, tow strap, tree strap, or chain, see Figure G.

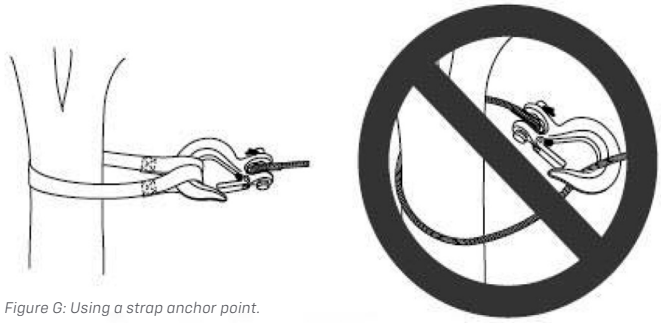


Figure G: Using a strap anchor point.

8. Do not wrap the wire rope around the object and hook onto the wire rope itself.

9. Attachment point must be centered in loop of hook and the hook's safety clasp must be fully closed. See Figure H.

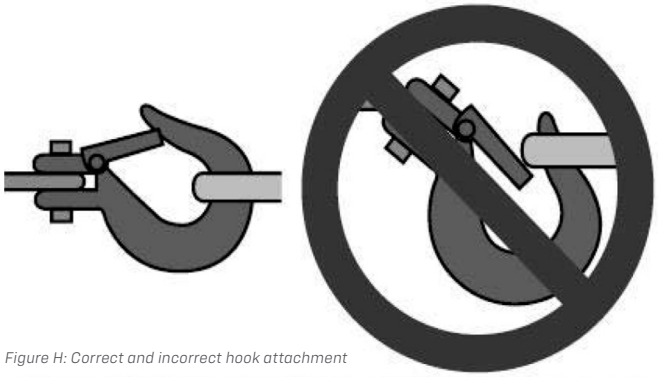


Figure H: Correct and incorrect hook attachment

10. Do not use a recovery strap while winching. They are designed to streich and can suddenly whip back towards the operator during a winching operation.

11. Place a heavy rag or carpet (sold separately} over the wire rope span, 6 feet from the hook to help absorb the force released if the wire rope breaks (Figure I).

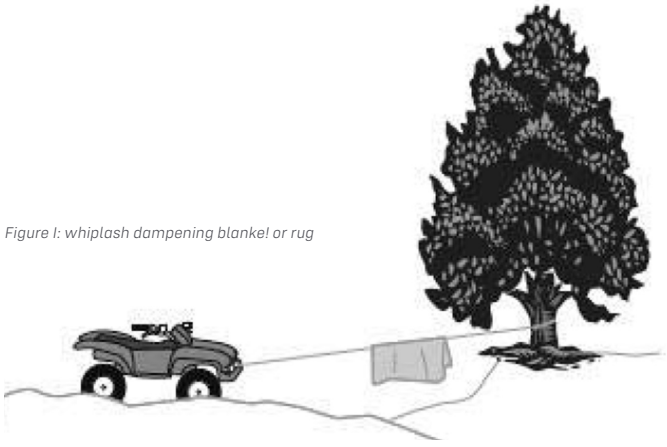


Figure I: whiplash dampening blanke! or rug

IMPORTANT
SAFETY INFORMATION

12. Move the clutch control to the engaged position, see the instructions for your winch model under clutch operation.

13. When it is safe to do so, use the power switch on the pendant controller to retrack the wire rope, and winch the item as desired. Do not power the hook all the way into the fairlead to prevent damage.

14. Do not operate the winch at extreme angles. Do not exceed the angles shown in figure J for a roller fairlead. For a hawse fairlead, the angle should be as close to straight as possible.

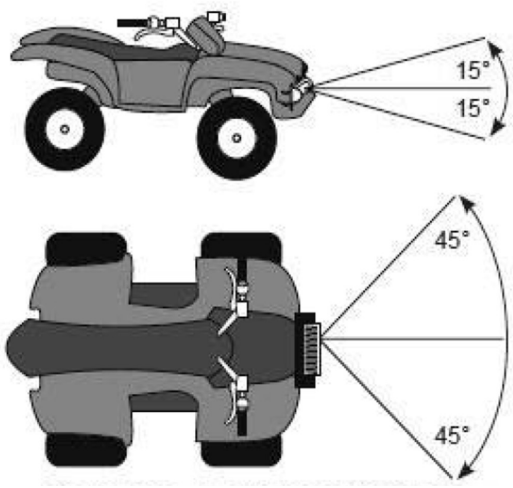


Figure J: Roller fairlead maximum winching angles.

15. If the object to be pulled must be pulled at an angle in relation to the winch, use a pulley (sold separately} and an anchor point directly in front of the winch, as shown in Figure C, to keep the wire rope full straight.

16. **WARNING!** Stop the winch and release tension on the wire rope before moving the rag or carpet placed on it.

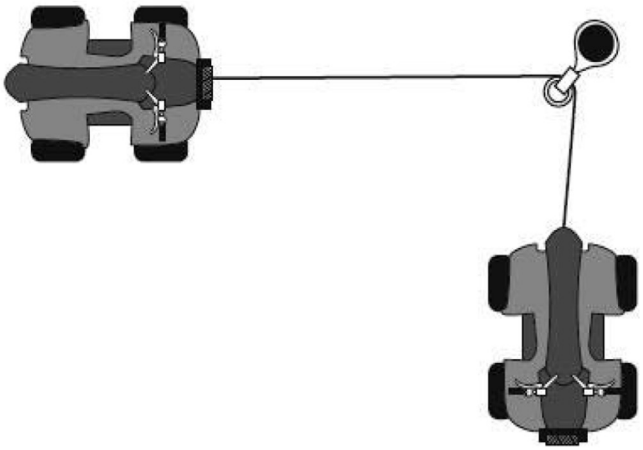
17. Do not continue use of the winch until the battery is completely run down.

18. You may wish to keep the engine running while using this winch, to continually recharge the battery, however, exercise extreme caution when working around a running vehicle and ONL Y operate a vehicle in an outdoor area.

19. **CAUTION**: do not use the winch in a constant duty application, it is designed for **INTERMITTENT USE ONLY**. Keep the duration of the pulling job as short as possible, if the motor becomes very hot to the touch, stop and let it cool down for several minutes. Do not pull load. Do not maintain power to the winch if the molar stalls. Double line rigging will help prevent overloading and should be used whenever practical.

20. When finished pulling the load, reverse the direction of the winch just enough to release tension on the wire rope so that you can unfasten the hook from the load and reel in the wire rope.

Figure K: Pulley anchoring.



DUTY CYCLE

Avoid damage to the winch by not winching for more than prescribed duty cycle time. The duty cycle defines the amount of time, within 15 minutes period, du ring which a winch can operate at its maximum capacity without overheating. For example, this winch with a 5% duty cycle at its maximum load must be allowed to rest for at least 14 minutes, 15 seconds after every 45 seconds of continuous operation. Failure to carefully observe duty cycle limitations can easily over-stress a winch contributing to premature winch failure.

AFTER EACH USE

To prevent serious injury from winch failure: do not use damaged equipment. If abnormal noise or vibration occurs, have the problem corrected before further use.

MAINTENANCE

To prevent serious injury from accidental operation: unplug the pendant connector and disconnect the battery cables before performing any inspection, maintenance, or cleaning procedures.

Maintain the product by adopting a program of conscientious repair and maintenance in accordance with the following recommended procedures.

lt is recommended that the general condition of any tool be examined before it is used. Keep your tool in good repair. Keep all cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.

Keep handles dry, clean, and free from oil and grease. Also refer to the engine manufacturer‘s instruction manual for additional information about engine maintenance. The following chart is based on a normal operation schedule.

BEFORE EACH USE

1. Before each use inspect the general condition of the winch. Check for loose hardware, misalignment or binding of moving parts, cracked or broken parts, damaged electrical wiring, corroded or loose terminals, and any other condition that may affect its safe operation. Examine the wire rope. Do not use the winch if the wire rope is frayed, kinked or damaged.

2. After use. wipe external surfaces of the winch with clean cloth.

3. Lubricate the wire rope occasionally with a light oil.

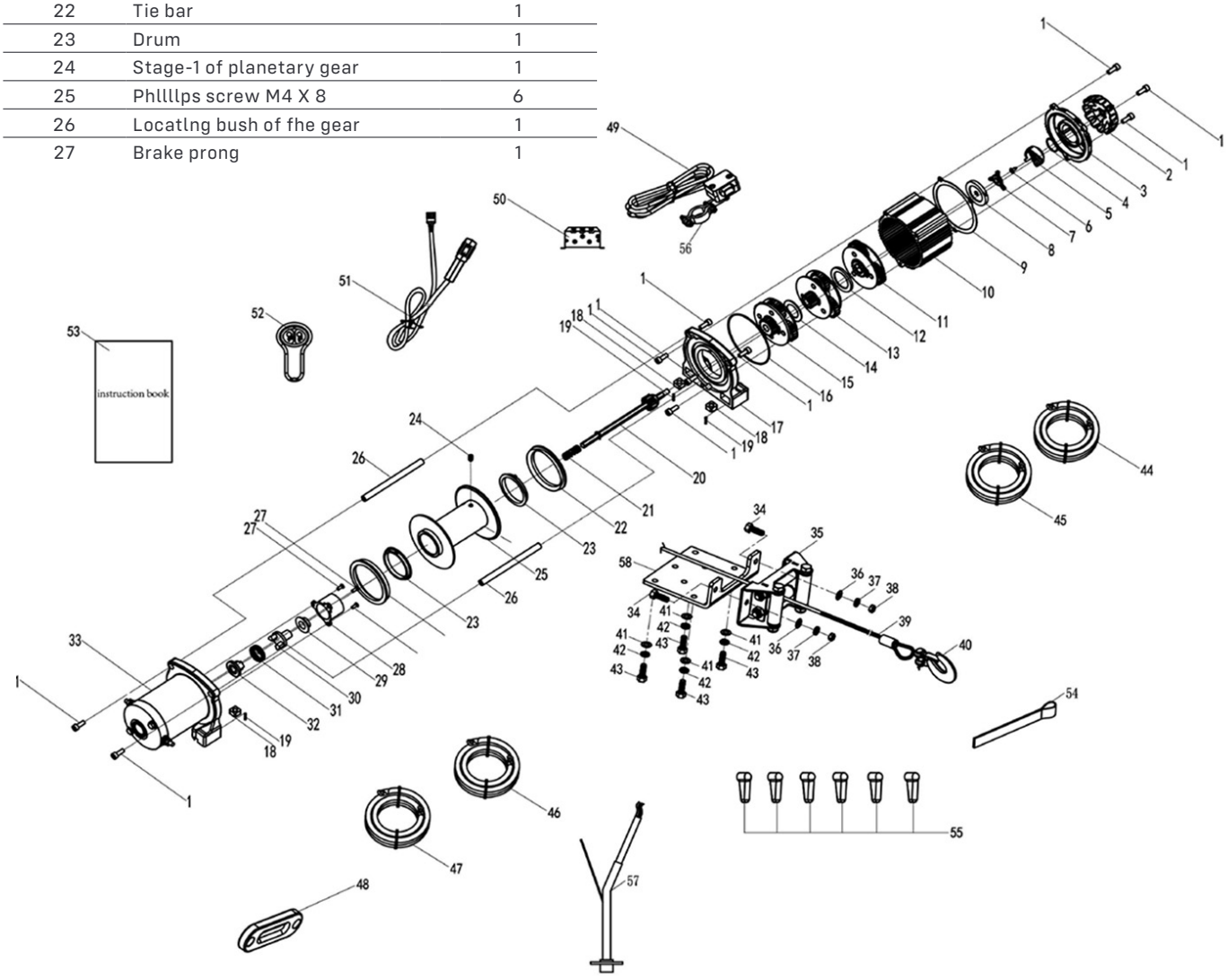
4. The winch‘s internal mechanism is permanently lubricated. Do not open the housing. However, if the winch is submerged, it should be opened, dried, and re-lubricated by a qualified technician as soon as possible to prevent corrosion.

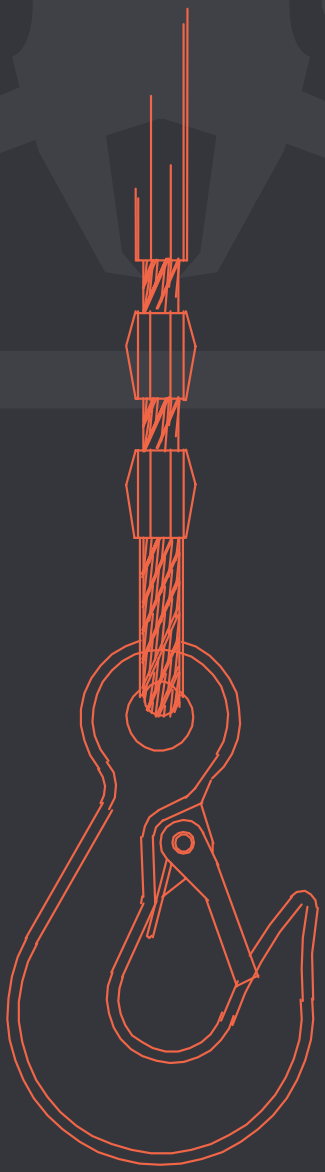
TROUBLESHOOTING
FAILURE AND CORRECTION

Follow all safety precautions whenever diagnosing or servicing the tool. Allways disconnect power supply before service.

Failure	Possible Cause	Corrective Action
Motor overheats	1. Incorrect power cords 2. Winch running time too lang.	1. Use only supplied power cords. 2. Allow winch to cool down periodically
Motor does not turn on	1. Switch assembly not connected properly. 2. Loose battery cable connections. 3. Vehicle battery needs charging. 4. Solenoid malfunctioning. 5. Defective switch assembly. 6. Defective motor 7. Water has entered motor 8. Interna! damage or wear	1. Insert switch assembly all the way into connector. 2. Tighten nuts on all cable connections. 3. Fully charge battery. 4. Tap solenoid to loosen contacts. Apply 12 volts to coil terminal directly. A clicking indicates proper activation. 5. Replace switch assembly 6. Check for voltage at armature port with switch pressed. If voltage is present, replace motor. 7. Allow to drain and dry. Run in short bursts without load until completely dry. 8. Have technician service winch.
Motor runs but wire rope drum does not turn	Clutch not engaged	Move the clutch handle to the engaged positi-on. If problem persists, a qualified technician needs to check and repair.
Motor runs slowly or without normal power	1. Insufficient current or voltage 2. Loose or corroded battery cable connections. 3. lncorrect power cords	1. Battery weak, recharge. Run winch with vehicle motor running. 2. Clean, tighten or replace 3. Use only supplied power cords
Motor runs in one direction only	1. Defective or stuck solenoid 2. Defective switch assembly	1. Tap solenoid to loosen contacts, repair or solenoid. 2. Replace switch assembly.

Part Nr.	Part Description	Quantity
1	Hexagon socket screw M6x25MM	4
2	Clutch handle	1
3	Hexagon socket screw M6x25MM	4
4	Gearbox	1
5	square nut	4
6	O-ring	1
7	Retaining bracket	1
8	Seif tapping scew wiht gasket	1
9	Three pronged gasket	1
10	Stage-2 of planetary gear	1
11	Lateral plare spacer	1
12	Stage-3 of planetary gear	1
13	O-ring	2
14	Planetary gear cover	1
15	Locknut	4
16	Sliding bearing	1
17	Seal	2
18	Drive shaft	1
19	Spill washer07	1
20	Clutch spring	1
21	Set screw (Hexagon coneend)	1
22	Tie bar	1
23	Drum	1
24	Stage-1 of planetary gear	1
25	Phllllps screw M4 X 8	6
26	Locatlng bush of fhe gear	1
27	Brake prong	1
28	Brake torslonal spring	1
29	Brake bracket	1
30	Brake	1
31	motor bracket	1
32	Motor	1
33	Mounting plate	1
34	Hexagon screw M8x20	2
35	Roller fairlead (ONLY WIRE ROPE VERSION WINCH)	1
36	Fiat washer 08	10
37	Lock washer 08	10
38	Nut MB	6
39	Wire rope	1
40	Hook	1
41	Fiat washer 04	4
42	Lock washer 04	4
43	Hexagon screw M4x25	4
44	Battery cable +	1
45	Battery cable -	1





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