



Model 52111

2,000 LBS. (907 KG.)

ELECTRIC TRAILER WINCH

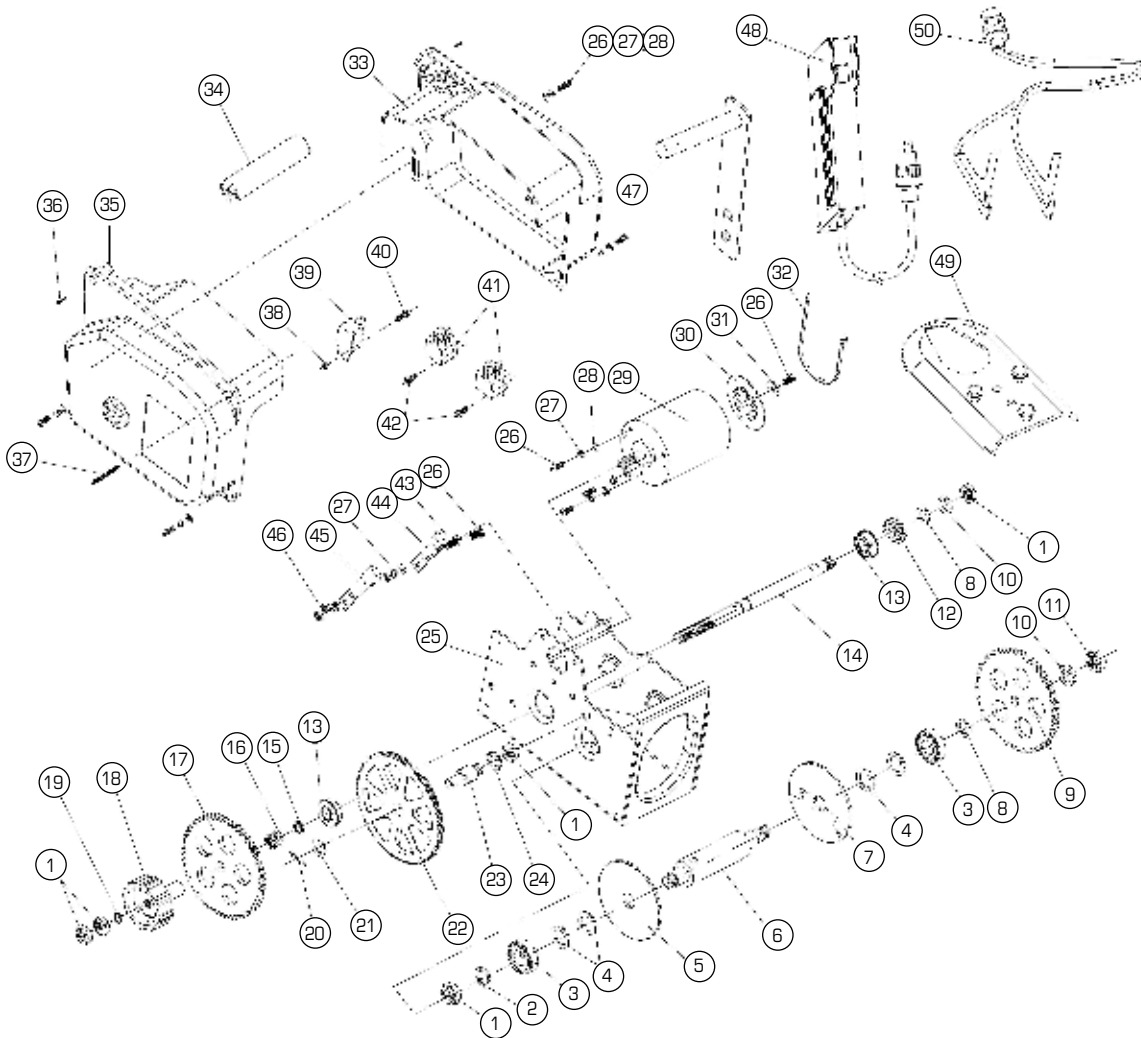


INSTALLATION & OPERATION MANUAL

TECHNICAL SPECIFICATIONS:

Capacity:	6,000 lbs. rolling; 5,000 lbs. marine; 2,000 lbs. pulling capacity
Max. boat size:	18'
Max. boat weight:	5,000 lbs.
Line speed:	6'/min. without load
Cable length	ø 3/16" X 30' (ø 4.8 mm X 9.2 m)
Hook size:	1/4"
Power supply:	12V (DC)
Power cord:	16.4' (5 m)
Remote switch wire length	9.8' (3 m)
Mounting plate	8.97" x 4.46" x 1.25" (227 x 113 x 31.7mm)
Overall dimensions:	9.68" x 10" x 7.74" (245 x 256 x 196mm)

WINCH ASSEMBLY DIAGRAM



PARTS LIST

Item No.	Description	Qty.	Item No.	Description	Qty.
1	Hexagon thin nut (galvanized) M12	5	25	Winch Frame	1
2	Internal tooth lock washer	1	26	Screw M5X12	9
3	Bearing	2	27	Spring washer	11
4	Drum shaft gasket	4	28	Flat washer	7
5	Tension disc	1	29	Motor 12V DC	1
6	Drum shaft	1	30	One-way blade	1
7	Cable protector panel	1	31	Brake disk pad	1
8	Flat gasket	2	32	Nylon ribbon	1
9	Transmission gear	1	33	Right shell	1
10	Spring washer	2	34	Hand crank	1
11	Hexagon nut M12	1	35	Left shell	1
12	Small gear	1	36	Cross recessed tapping one screw 4x20	2
13	Stamped bearing	2	37	Screw M4X 35	1
14	Long shaft	1	38	Hex nut M3	1
15	Snap ring for shaft	1	39	24A Over-current protector	1
16	Clutch spring	1	40	Screw M3x12	1
17	Transmission gear	1	41	40A solenoid	2
18	Clutch knob	1	42	Screw M5X6	2
19	Snap ring for shaft	1	43	SCREW M5X16	1
20	Cotter pin	1	44	Flexible friction plate (right)	1
21	Flat washer	1	45	Flexible friction plate(left)	1
22	Dual gear	1	46	Hex nut M5	2
23	Dual gear shaft	1	47	Hand crank	1
24	Lock gasket	1	48	Handheld control	1

INCLUDED ACCESSORIES

Item No.	Description	Qty.
49	Mounting plate	1
50	Power wire	1

SAVE THIS MANUAL

You will need this manual for the safety warnings and cautions, assembly instructions, operating procedures, maintenance procedures, troubleshooting, parts list, and diagram. Keep this manual in a safe, dry place for future reference.

NOTICE

The warnings, cautions, and instructions discussed in this owner's manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

SAFETY WARNING & CAUTIONS

⚠ WARNING: When using powered equipment, basic safety precautions should always be followed to reduce the risk of personal injury and equipment damage.

READ ALL INSTRUCTIONS BEFORE USING THIS PRODUCT.

SAFETY PRECAUTIONS

⚠ WARNING: Observe safety precautions for personal safety and the safety of others. Improper equipment operation may cause personal injury and equipment damage.

Read the following carefully before attempting to operate your winch and keep the instructions for future reference.

⚠ WARNING: Moving parts entanglement hazard.

- Failure to observe these instructions could lead to severe injury or death.
- To avoid injury to hands or fingers, always keep hands clear of cable, hook loop, hook and fairlead opening during installation, operation and when spooling in or out.
- Always use extreme caution when handling hook and cable during spooling operations.
- Always use supplied hook strap whenever spooling cable in or out, during installation or operation to avoid injury to hands or fingers.
- Always wear heavy leather gloves when handling a cable.
- Never let cable slip through your hands.
- Always be aware of possible hot surface at winch motor, drum or cable during or after winch use.

⚠ WARNING: Chemical and fire hazard

- Failure to observe these instructions could lead to severe injury or death.
- Always remove jewelry and wear eye protection.
- Never lean over battery while making connections.
- When drilling, always verify that the area is a safe distance from the fuel line, fuel tank, brake lines, electrical wires, etc.
- Never route electrical cables across sharp edges, through or near moving parts or parts that become hot.
- Always insulate and protect all exposed wiring and electrical terminals.
- Always install terminal boots as directed in installation instructions.

⚠ WARNING: Falling or crushing hazard

- Failure to observe these instructions could lead to severe injury or death.
- Never use as an overhead hoist, or to suspend a load.
- Never use to lift or move persons.

GENERAL SAFETY

Know your winch: Take time to fully read and understand this manual.

- Never operate this winch if you are under 16 years of age.
- Never operate this winch when under the influence of drugs, alcohol or medication.
- Never exceed winch or cable rated capacity. Double line using a snatch block to reduce winch load.

INSTALLATION SAFETY

- Always choose a mounting location that is sufficiently strong to withstand the maximum pulling capacity of your winch.
- Always use factory-approved switches, remote controls, accessories and installation components.
- Always use Grade 5 or better hardware, never weld bolts and never use longer bolts than those supplied by the manufacturer.
- Winch mounting and installation of hook to hook loop is necessary before wiring is complete.
- Always position fairlead with WARNING label on top.
- Always spool the cable onto the drum as indicated by the drum rotation label on the winch. This is required for automatic brake to work (if winch is so equipped) and for correct installation orientation.
- Always pre-stretch cable and re-spool under load before use. This will reduce the risk of the cable binding and becoming damaged.

WINCH SAFETY

- Failure to observe these instructions could lead to minor or moderate injury.
- Always inspect winch installation and cable condition before operating winch. Frayed, kinked or damaged cable must be replaced immediately. Loose installation must be corrected immediately.
- Never leave remote control plugged into winch while free spooling, rigging or idling.
- Never hook cable back onto itself. This will damage the cable. Always use a choker chain, wire choker rope, or tree trunk protector on the anchor.
- Prior to winching, always remove any element that may interfere with the safe operation of the winch.
- Always take your time when rigging for a winch pull.
- Always be certain the anchor you select will withstand the load, and the strap or chain will not slip.
- Never engage or disengage the clutch if the winch is under load, cable is in tension or cable drum is moving.
- Always unspool as much cable as possible when rigging. Double line or pick a distant anchor point.
- Never winch with less than five wraps of cable around the drum. This could cause the cable to come loose from the drum.
- Always stand clear of cable and load during operation.
- Never touch cable or hook while in tension or under load.
- Never touch the cable or hook while someone is at the remote switch or during winching operation.
- Never touch cable or hook while remote control is plugged into the winch.
- Always stand clear of cable and load and keep others away while winching.
- Always require operator and bystanders to be aware of stability during winching of vehicle and/or load.
- Always keep the remote control lead clear of the drum, cable and rigging. Inspect for cracks, pinches, frayed wires or loose connections and replace if damaged.
- When using the remote control from inside a vehicle, always pass it through a window to avoid pinching the lead in a door.
- Always avoid continuous side pulls which can pile up cable at one end of the drum. This can damage your cable or winch.
- Always ensure the clutch is fully engaged or disengaged.
- Never use winch to tow other vehicles. Shock loads could momentarily exceed capacity of cable and winch.
- Always use care to not damage your frame when anchoring your vehicle during a winching operation.
- Never "jog" cable under load. Shock loads could momentarily exceed capacity of cable and winch.



MODEL 52111 • 2,000 LB. ELECTRIC TRAILER WINCH

- Never use winch to secure a load during transportation.
- Never submerge winch in water.
- Always store the remote control in a protected, clean and dry area.

OPERATION INSTRUCTIONS

1. **KEEP WORK AREA CLEAN.** Cluttered areas invite injuries.
2. **OBSERVE WORK AREA CONDITIONS.** Do not use winches in damp, wet, or poorly lit locations. Do not expose accessory tools to rain. Keep work area well lit. Do not use electrically powered equipment in the presence of flammable gases or liquids.
3. **KEEP CHILDREN AWAY.** Children must never be allowed in the work area. Do not let them handle machines, tools, or equipment.
4. **STORE IDLE ACCESSORY EQUIPMENT.** When not in use, accessory tools must be locked up in a dry location to inhibit rust. Always lock up tools and keep out of reach of children.
5. **DO NOT FORCE THE TOOL OVER LOADED.** It will do the job better and more safely, steadily at the rate for which it was intended. Do not use inappropriate attachments in an attempt to exceed the tool's capacities.
6. **USE THE RIGHT ACCESSORY TOOL FOR THE JOB.** Do not use the tools which are not suitable for winches.
7. **DRESS PROPERLY.** Do not wear loose clothing or shaky jewelry, as they can be caught in moving parts. Non-skid footwear is recommended. Wear restrictive hair covering to contain long hair. Always wear appropriate work clothing.
8. **USE EYE, EAR AND BREATHING PROTECTION.** Always wear ANSI-approved impact safety goggles if you are producing metal filings or wood chips. Wear an ANSI-approved dust mask or respirator when working around metal, wood, and chemical dusts and mists. Use ANSI-approved ear protection when working in a loud or noisy environment.
9. **DO NOT ABUSE THE POWER CORD.** Assure the power cord from damage, either from impacts, pulling or corrosive materials. Do not yank battery's cord to disconnect it from the battery. Do not use other inappropriate accessories to exceed the rated line pull of winches.
10. **DO NOT STAND TOO CLOSE.** Do not reach over or across running machinery. Keep proper footing and balance at all times.
11. **MAINTAIN TOOLS WITH CARE.** Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories. Inspect power cord periodically and, if damaged, have it repaired by a professional technician. Inspect all moving parts and mounting bolts prior to use. Control handle and power switch must be kept clean, dry, and free from oil, grease, chemicals and corrosive materials at all times.
12. **REMOVE ADJUSTING TOOLS AND WRENCHES.** Be sure that not used tools adjusting wrenches are removed from the machine surface before operation.
13. **AVOID UNINTENTIONAL STARTING.** Be sure that you are absolutely prepared to begin working before turning the start switch on.
14. **STAY ALERT.** Watch what you are doing. Do not operate this machine when you are tired.
15. **DO NOT OPERATE THE WINCH WHILE UNDER THE INFLUENCE OF ALCOHOL, DRUGS OR PRESCRIPTION MEDICINES.**
16. **CHECK FOR DAMAGED PARTS.** Before using the winch, carefully check all parts to ensure normal, safe operation. Check for effectiveness of all parts, any broken parts, mounting fixtures and any other condition that may affect proper operation. Any part that is damaged should be properly repaired or replaced by a qualified technician. Do not use the winch if any switch can not be turned on and off properly.
17. **REPLACEMENT PARTS AND ACCESSORIES.** When replacing, do not use different replacement parts from different winch models and specifications. This will void the warranty. Only use parts and accessories intended for use with this winch, which are available from Seachoice dealers. Visit <https://www.seachoice.com/store-locator> to find a dealer near you.

MOUNTING YOUR WINCH

WARNING

- Always connect red wire to the positive pole of battery, connect black wire to the negative pole.
- Do not use your winch continuously or you will drain the battery.
- Keep your engine running while using this winch, to continually recharge the engine. However, exercise extreme caution when working around a running vehicle.
- Do not use a dirty, corroded or leaking battery. You may suffer injury from acid burns.
- Always wear ANSI approved safety glasses when working around or with a battery.

NOTE: Your winch is designed to be mounted temporarily using the Trailer Hitch Mounting Bracket. However, you may also mount your winch permanently.


PERMANENT MOUNTING:

1. Select a mounting site on the bumper of your vehicle, truck bed, boat trailer, or other suitable location.
NOTE: This winch can generate 2,000 lbs. of pulling force. Be sure the location you select can withstand this much force. You may need to use steel reinforcement plates, or weld on additional bracing, depending on the desired mounting location.
2. Align the winch with the desired location, and mark for drilling the locations of the two holes on the base of the winch.
3. Drill the hole locations on your vehicle.
4. Using hardened steel bolts at least M8 in diameter, install your winch to the location.

TEMPORARY MOUNTING:

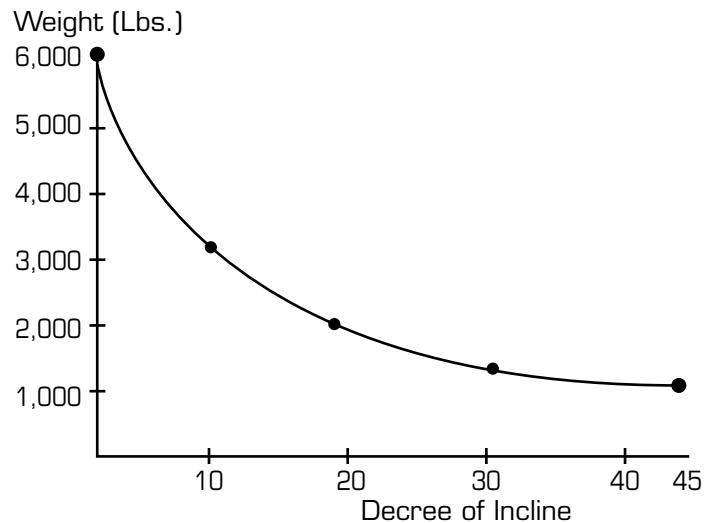
1. Attach the Adapter Plate, as shown:
2. Index the heads of the plate studs into the keyhole slots on the back of the winch.
3. Attach the Winch/Adapter Plate assembly to your trailer hitch by inserting the trailer hitch ball through the shaped hole in the Adapter Plate.

USING YOUR WINCH

1. Put your vehicle in neutral.  **WARNING:** Never winch with your vehicle in gear or in park, as this could damage your vehicle's transmission.
2. Engage the emergency brake.
3. Use suitable chocks to prevent the wheels from rolling.
4. To pull out the cable, turn the clutch knob (#15) clockwise to "UNLOAD", then pull out the cable you need. Always leave at least five turns of cable on the spool to prevent pulling the cable out of the winch.
5. Hook onto the object using a pulling point, tow strap or chain. Never wrap the cable around the object and hook onto the cable itself. This can cause damage to the object being pulled, and kink or fray the cable.
6. Turn the clutch knob counterclockwise to "LOAD".
7. When it is safe to do so, use the power switch in the remote control to retract the cable and winch the item as desired.

PULLING CAPACITY

1. This winch has a capacity of 2,000 lbs. Applying this measurement to practical applications, you can use this winch to move the following.
 - a. Move a load up to 2,000 lbs. from a dead stop on level ground.
 - b. Move a water Bourne craft of up to 5,000 lbs.
 - c. Maintain movement of a wheeled vehicle of up to 6,000 lbs.
2. Pulling capacity is reduced as incline increases. For example, rolling capacity is reduced from 6,000 lbs. on flat ground to 1,100 lbs. on a 45-degree incline. Please refer to the graph on the right for estimated pulling capacity (rolling weight) on various inclines.



USING THE EMERGENCY HAND CRANK

⚠ WARNING: Do not use the emergency hand crank to assist an operating winch. This will damage the winch and may cause personal injury.

Use the emergency hand crank only in the event of a dead battery and when the cable is still loaded to help loosen and retract the cable temporarily. Never use the emergency hand crank to load the cable.

1. Turn the clutch knob clockwise to "LOAD" until hand tight. Place the emergency hand crank on the long shaft.
2. Place the end of the emergency hand crank outside.
3. Rotate the emergency hand crank counterclockwise to tighten the cable. Turn it clockwise to loosen it until there is no load.

MAINTENANCE

1. Lubricate the cable occasionally with a light oil.
2. Grease the gears every 6 months. To do this, remove the clutch knob and separate the left and right housing. Use any good quality waterproof grease.