

Lewmar 6657011967-311

Lewmar Pro-Series 700-Watt Horizontal Windlass Kit Instruction Manual

Model: 6657011967-311

Brand: Lewmar

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Lewmar Pro-Series 700-Watt Horizontal Windlass Kit. Designed for boats ranging from 20 to 38 feet, this windlass offers reliable anchoring performance with its robust 316 stainless steel construction and user-friendly controls. Please read this manual thoroughly before installation and operation to ensure safe and efficient use of your windlass.

2. SAFETY INFORMATION

WARNING: Failure to follow these instructions may result in serious injury or property damage.

- Always wear appropriate personal protective equipment (PPE) during installation and maintenance.
- Ensure the boat's power supply is disconnected before performing any electrical work.
- Never operate the windlass with body parts or clothing near moving parts.
- Do not use the windlass to tow the boat or as a mooring cleat.
- Always secure the anchor chain with a chain stopper or snubber line when anchored to prevent continuous load on the windlass.
- Familiarize yourself with the manual emergency recovery system.

3. WHAT'S IN THE BOX

Your Lewmar Pro-Series 700-Watt Horizontal Windlass Kit includes the following components:

- Lewmar Pro-Series 1000 Windlass Unit (Model 6657011967-311)
- Base Gasket Seal
- Fast-Mounting Studs

- Installation Wrench
- Circuit Breaker
- Dual-Direction Solenoid
- Rocker Switch

Sleek Design

Beautiful stainless steel case combines robustness and strength



Representative Image

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Image: All components included in the Lewmar Pro-Series Windlass Kit, neatly arranged.

4. SPECIFICATIONS

Feature	Specification
Brand	Lewmar
Model Number	6657011967-311
Power	12V/700-Watt

Maximum Pulling Power	320 Kg (700 Lb)
Recommended Boat Length	20' - 38' (6m - 11.5m)
Chain Compatibility	1/4" G4 Chain (6mm-7mm)
Material	100% 316 Stainless Steel
Installation Type	Horizontal, Above-Deck
Item Weight	28.7 pounds
Package Dimensions	12.48 x 11.85 x 9.88 inches

Compatibility

The ideal horizontal unit for both on-deck and below-deck installation



Representative Image

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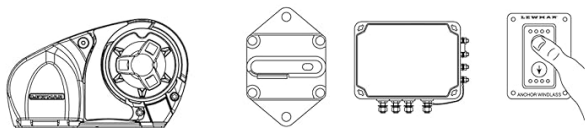
Image: Selection guide and detailed specifications for the Lewmar Pro-Series 1000 Windlass.

Selection Guide

Maximum Pulling Power: 454kg (1,000 lb)

MODEL	MAX CHAIN		MOTOR SUPPLY	MOTOR POWER	MAXIMUM PULL		WORKING LOAD LIMIT		MAXIMUM LINE SPEED		NORMAL CURRENT DRAW	CIRCUIT BREAKER	WEIGHT	
	MM	IN	VOLTAGE	WATT	KG	LB	KG	LB	M/MIN	FT/MIN	AMP	AMP	KG	LB
PRO-SERIES 1000	6-7	1/4	12	700	454	1000	114	250	32	105	50	70	9.5	21

Kits include:
Windlass, base gasket seal, fast-mounting studs, installation wrench,
circuit breaker, dual-direction solenoid and rocker switch.



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Image: Approximate dimensions of the Lewmar Pro-Series Windlass, showing height, width, and length.

5. INSTALLATION

5.1 Planning and Deck Preparation

Careful planning is crucial for a successful installation. Ensure the chosen location on the deck provides sufficient space for the windlass, chain locker access, and proper chain run to the bow roller. The windlass is designed for above-deck installation.

Included in Kit

Windlass, base gasket seal, fast-mounting studs,
installation wrench, circuit breaker,
dual-direction solenoid and rocker switch



Image: Representative image of a Lewmar Pro-Series Windlass installed on a boat deck, showing its compact design.

5.2 Mounting the Windlass

1. Use the provided drilling template (if applicable) or the dimensions from the manual to mark the positions for the main shaft hole, chain drop hole, and mounting bolt holes on the deck.
2. Drill all necessary holes. Ensure the chain drop hole aligns directly above your chain locker.
3. Apply the base gasket seal to the underside of the windlass base.
4. Position the windlass on the deck, aligning the holes. Pass the mounting studs through the deck and secure them from below with washers and nuts. It is recommended to use thread locker on the bolts to prevent loosening.

5.3 Electrical Connections

Refer to the wiring diagram provided in your kit for precise electrical connections. The system requires a dual-direction solenoid, foot switches (up/down), and a circuit breaker for motor protection. Ensure all connections are waterproof and secure.

- Install the circuit breaker in the main power circuit to protect the motor from overload.
- Install the foot switches in an appropriate, accessible location on the deck.

- Connect all wiring according to the diagram, ensuring correct polarity.

5.4 Installing the Anchor Chain

Proper installation of the anchor chain is critical for safe operation.

1. Before installing the chain, use the provided wrench to turn the clutch counter-clockwise to loosen it until the gypsy can move freely.
2. Feed the anchor chain through the bow roller and then through the windlass gypsy. Ensure each chain link is correctly seated between the gypsy's teeth.
3. Secure the end of the anchor chain to a strong point inside the chain locker.
4. Once the chain is correctly positioned, turn the clutch clockwise with the wrench to tighten it completely. This prevents accidental free-fall of the anchor.

6. OPERATION

6.1 Deploying the Anchor

1. Ensure the chain stopper is open or disengaged.
2. Press and hold the 'DOWN' button on the control panel or foot switch to deploy the anchor.
3. Alternatively, for rapid deployment, you can manually release the clutch by turning the wrench counter-clockwise. Ensure the area is clear before doing so.

6.2 Hoisting the Anchor

1. Ensure the clutch is fully tightened (clockwise with wrench).
2. Press and hold the 'UP' button on the control panel or foot switch to hoist the anchor.
3. Once the anchor is fully retrieved and secured, engage the chain stopper to take the load off the windlass.

6.3 Manual Emergency Recovery

In case of power failure or malfunction, the windlass is equipped with a manual emergency recovery system. Use the provided wrench to operate the clutch and manually retrieve or deploy the anchor chain.

7. MAINTENANCE

- Regularly inspect the windlass for any signs of wear, corrosion, or damage.
- Clean the windlass and surrounding deck area with fresh water after each use to remove salt and debris.
- Check electrical connections for corrosion and tightness periodically.
- Lubricate moving parts as recommended by Lewmar's official guidelines (refer to the full product manual or Lewmar website for specific lubrication points and types).

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Windlass does not operate	No power, tripped circuit breaker, faulty switch/solenoid	Check battery connections, reset circuit breaker, inspect switches and solenoid.
Slow operation or motor straining	Low battery voltage, undersized wiring, excessive load	Charge battery, check wiring gauge, reduce load on anchor.
Chain jams or slips on gypsy	Incorrect chain size, worn gypsy, improper chain alignment	Ensure correct chain/gypsy match, inspect gypsy for wear, adjust chain run.
Anchor free-falls unexpectedly	Clutch not fully tightened	Tighten clutch fully with the provided wrench.

For more complex issues, consult a qualified marine technician or contact Lewmar customer support.

9. WARRANTY AND SUPPORT

Lewmar products are manufactured to high standards and come with a manufacturer's warranty. For specific warranty terms, registration, and technical support, please visit the official Lewmar website or contact your authorized Lewmar dealer. Keep your purchase receipt as proof of ownership.

For additional resources and product information, visit the [Lewmar Store on Amazon](#).

10. ADDITIONAL RESOURCES

While no specific official installation videos from Lewmar were available in the provided data, it is highly recommended to check the official Lewmar website or their authorized YouTube channels for any available installation guides or operational videos that may further assist you.