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SuperATV WN-3500

SuperATV 3500 LB Black Ops Winch Kit

INSTRUCTION MANUAL

1. Introduction

This manual provides essential instructions for the safe and effective installation, operation, and maintenance of your SuperATV 3500 LB Black Ops Winch Kit. Please read this manual thoroughly before attempting to install or operate the winch. Retain this manual for future reference.

The SuperATV 3500 LB Black Ops Winch is designed for UTV/ATV applications, featuring a 12V 1.2 HP motor, durable synthetic rope, waterproof seals, and an aluminum hawse fairlead for reliable performance in challenging conditions.

2. Safety Information

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

- Always wear appropriate personal protective equipment, including gloves and eye protection, when operating or maintaining the winch.
- Ensure the winch is securely mounted to a machine-specific SuperATV branded winch mounting plate (sold separately) before use.
- Never exceed the rated line pull capacity of 3500 LB.
- Keep hands and clothing clear of the rope, fairlead, and drum during operation.
- Inspect the synthetic rope for damage, fraying, or kinks before each use. Do not use a damaged rope.
- Do not operate the winch if any components are damaged or malfunctioning.
- Avoid prolonged continuous winching, which can cause the motor to overheat. Allow the winch to cool down between heavy pulls.
- Always use a tree saver strap or similar anchor point to protect trees and other objects when winching.
- Ensure the vehicle is properly secured and braked before initiating a pull.

3. Setup and Installation

Proper installation is crucial for the safe and efficient operation of your winch. A machine-specific SuperATV branded winch mounting plate is required and sold separately.

3.1 Unpacking and Component Identification

Carefully unpack all components and verify against the packing list. The kit typically includes the winch assembly, synthetic rope, aluminum hawse fairlead, waterproof solenoid, wireless remote, dash rocker switch, and installation hardware.



Figure 3.1: SuperATV 3500 LB Black Ops Winch Kit, showing the main winch assembly with synthetic rope and hook.

3.2 Mounting the Winch

1. Attach the winch to your vehicle's specific SuperATV mounting plate using the provided hardware. Ensure all bolts are tightened to the manufacturer's specifications.
2. Position the aluminum hawse fairlead to guide the synthetic rope smoothly.



Figure 3.2: Aluminum Hawse Fairlead, designed to reduce friction and protect the synthetic rope.

3.3 Electrical Wiring

Connect the waterproof solenoid to the winch motor and the vehicle's 12V battery. Follow the color-coded wiring diagram provided with your kit for correct connections. Ensure all connections are secure and protected from environmental elements.

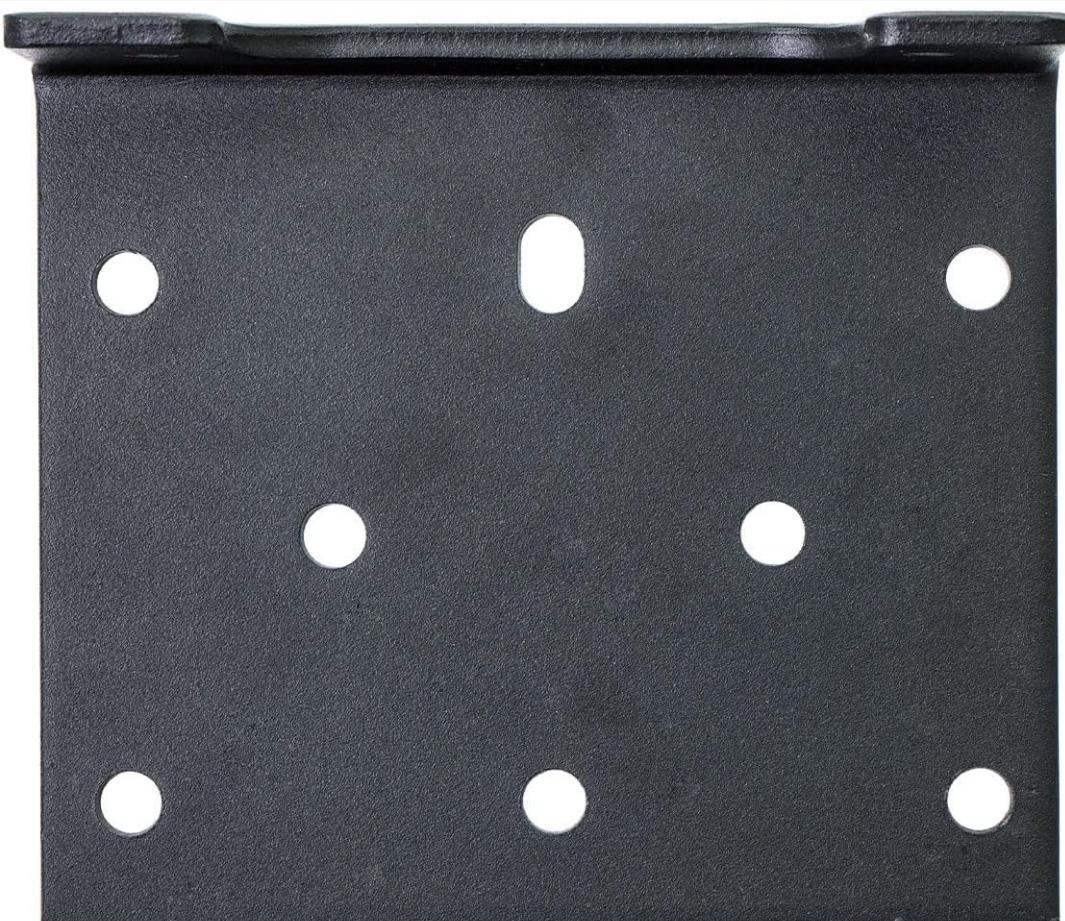


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Figure 3.3: Waterproof Solenoid, which controls the power to the winch motor.

3.4 Control Installation

Install the dash rocker switch in a convenient location on your vehicle's dashboard. Connect it to the solenoid according to the wiring diagram. The wireless remote control is pre-paired for immediate use; ensure its battery is functional.



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Figure 3.4: Dash Rocker Switch, providing wired control for winch operation.



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Figure 3.5: Wireless Remote Control, offering convenient operation from up to 50 feet away.

4. Operating Instructions

Familiarize yourself with the winch controls and safety procedures before operating.

4.1 Pre-Operation Check

- Ensure the vehicle's engine is running to maintain battery charge during winching.
- Inspect the synthetic rope for any signs of wear or damage.
- Verify all electrical connections are secure.
- Confirm the winch is properly mounted and secured.

4.2 Winching Procedure

1. **Engage Clutch:** If applicable, ensure the clutch is engaged for winching.
2. **Unspool Rope:** Use the dash rocker switch or wireless remote to slowly unspool the synthetic rope to the anchor point.
3. **Secure Anchor:** Attach the hook securely to a suitable anchor point, using a tree saver strap if necessary.
4. **Begin Pull:** Slowly begin winching in, ensuring the rope spools evenly and tightly onto the drum. Monitor the load and the winch for any signs of strain or overheating.
5. **Maintain Tension:** Keep slight tension on the rope to prevent tangles and ensure proper spooling.
6. **Stop Winching:** Once the task is complete, release the control button. Disengage the clutch if necessary and carefully detach the hook from the anchor.
7. **Respool Rope:** Slowly respool the rope onto the drum, maintaining slight tension. Secure the hook.



Our Wireless Remote has a range of 50 feet.

WIRELESS REMOTE

BLACK OPS[®]
SERIES

Figure 4.1: User operating the SuperATV winch with the wireless remote control.



SYNTHETIC ROPE
SERIES

BLACK OPS[®]

*Synthetic rope is a safer and easier alternative to steel cable.
Rust and Corrosion Resistant.*

Figure 4.2: Close-up view of the durable synthetic rope wound on the winch drum.

5. Maintenance

Regular maintenance ensures the longevity and reliable performance of your SuperATV winch.

5.1 Synthetic Rope Care

- **Inspection:** Regularly inspect the entire length of the synthetic rope for cuts, abrasions, fraying, or excessive wear. Replace the rope if any significant damage is found.
- **Cleaning:** Clean the rope with mild soap and water after use, especially if it has been exposed to mud, sand, or corrosive substances. Rinse thoroughly and allow to air dry before respooling.
- **Spooling:** Always respool the rope under light tension to ensure it lays evenly and tightly on the drum, preventing damage to the rope and winch.



SUPERATV[®]

Figure 5.1: Winch rope stopper, used to prevent the hook from being pulled too far into the fairlead.

5.2 Winch Body and Electrical Components

- **Cleaning:** Keep the winch housing clean from dirt and debris. Use a damp cloth to wipe down the exterior.
- **Fasteners:** Periodically check all mounting bolts and fasteners for tightness.

- **Electrical Connections:** Inspect battery terminals, solenoid connections, and control wiring for corrosion or looseness. Clean and tighten as necessary. The winch features waterproof seals, but connections should still be checked.

6. Troubleshooting

If you encounter issues with your winch, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Winch does not operate	No power to winch; Loose electrical connections; Dead remote battery; Faulty solenoid or motor.	Check battery voltage; Inspect and tighten all electrical connections; Replace remote battery; Consult SuperATV support for further diagnosis.
Winch operates slowly or weakly	Low battery voltage; Overload; Overheating; Corroded connections.	Ensure engine is running; Reduce load; Allow winch to cool; Clean and tighten electrical connections.
Rope spools unevenly	Insufficient tension during spooling; Damaged fairlead.	Respool rope under light tension; Inspect fairlead for damage.

If problems persist after attempting these solutions, contact SuperATV customer support.

7. Specifications

Key technical specifications for the SuperATV 3500 LB Black Ops Winch Kit:

3500 LB. WINCH

Save Your Ride

- **3500 lb. Rated Line Pull**
- **Waterproof Seals and Solenoid**
- **Remote Range: 50'**
- **Automatic Brakes to Hold the Spool on Inclines**
- **Permanent Magnet DC 12V, 1.2 HP Motor**
- **166:1 Gear Ratio**



Figure 7.1: SuperATV 3500 LB Winch highlighting key specifications.

Feature	Detail
Brand	SuperATV
Model Number	WN-3500
Rated Line Pull	3500 LB
Motor	12V 1.2 HP Permanent Magnet DC
Rope Type	Durable Synthetic Rope
Fairlead	Aluminum Hawse
Gear Ratio	166:1
Seals	Waterproof Seals and Solenoid
Remote Control	Wireless Remote (50 ft range) and Dash Rocker Switch
Item Weight	30.1 pounds
Product Dimensions	21 x 12 x 7 inches
Included Components	Installation Hardware

8. Warranty Information

For detailed warranty terms and conditions applicable to your SuperATV 3500 LB Black Ops Winch Kit, please refer to the official SuperATV website or the warranty documentation included with your product packaging. Warranty coverage typically addresses manufacturing defects and material flaws under normal use.

9. Support

If you require technical assistance, have questions regarding installation, operation, or maintenance, or need to report a product issue, please contact SuperATV customer support through their official website or the contact information provided with your purchase.