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WARN 93000

WARN 93000 3000 ACI Series Electric Winch Instruction Manual

Model: 93000

PRODUCT OVERVIEW

The WARN 93000 3000 ACI Series Electric Winch is a robust, fixed-mount AC-powered winch designed for heavy-hauling applications. It features a 3,000 lbs. pulling capacity and a 100' length of 5/16" steel wire rope. The TEFC Induction AC motor ensures a long duty cycle, making it suitable for demanding tasks.

Key Features:

- All metal gear housing
- 3 stage planetary gear design
- Sliding ring gear clutch
- Mechanical braking system
- Fan cooled motor
- Motor Horsepower - 0.7 Horsepower

SAFETY INFORMATION

Always read and understand all safety warnings and instructions before operating the winch. Failure to follow these instructions may result in serious injury or property damage. Ensure the winch is properly installed and maintained. Wear appropriate personal protective equipment (PPE) including gloves and eye protection during operation.

Proposition 65 Warning: This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

SETUP

Proper installation is crucial for safe and efficient winch operation. This winch is designed for fixed-mount applications and operates on 115/230V AC power.

Mounting:

Securely mount the winch to a stable, flat surface capable of supporting the winch's maximum pulling capacity. Use appropriate hardware and follow all local regulations and safety standards for fixed installations. Ensure the mounting location allows for clear line of sight during operation and easy access to controls.

Electrical Connection:

Connect the winch to a dedicated 115V or 230V AC power source as specified in the wiring diagram. All electrical connections should be performed by a qualified electrician to prevent electrical shock or fire hazards. Ensure the power source is adequately fused or circuit-breaker protected.



Image: WARN 3000 ACI Series Electric Winch with steel cable, shown mounted on a conveyor system in an industrial setting. A person is visible in the background.

Wire Rope Installation:

The winch comes pre-spoiled with 100' of 5/16" steel wire rope. If re-spooling or replacing the rope, ensure it is wound tightly and evenly on the drum. Leave at least five wraps of rope on the drum at all times to maintain secure attachment.



Video: This video from Warn Industries demonstrates the installation of synthetic cable on a winch. While this winch uses steel cable, the general principles of securing the cable to the drum are similar.

OPERATING INSTRUCTIONS

Before each use, inspect the winch, wire rope, and all rigging equipment for damage or wear. Never operate a damaged winch.

Engaging the Clutch:

To free-spool the wire rope, disengage the clutch by moving the clutch lever to the "Free Spool" position. To engage the clutch for winching, move the lever to the "Engaged" position. Ensure the clutch is fully engaged before applying power.

Winching Operation:

1. Unspool enough wire rope to reach the anchor point.
2. Securely attach the hook to a suitable anchor point using a tree trunk protector or shackle.
3. Engage the clutch.
4. Use the remote control to slowly begin winching. Maintain tension on the rope to ensure even spooling.
5. Keep hands and clothing clear of the wire rope and fairlead during operation.
6. Once the pull is complete, release the remote control button.
7. Disengage the clutch and manually re-spool any loose rope, ensuring it is tightly and evenly wound.

your browser does not support the video tag.

Video: This video showcases the Warn Zeon winch in various off-road recovery scenarios, demonstrating its pulling power and durability in challenging environments. While a different model, it illustrates general winch operation.

MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your WARN winch.

- **Inspection:** Periodically inspect the wire rope for frays, kinks, or broken strands. Check all electrical connections for corrosion or damage. Inspect the winch housing and mounting bolts for tightness and integrity.
- **Lubrication:** Refer to the detailed service manual for specific lubrication points and recommended lubricants. Generally, moving parts and gear mechanisms require periodic greasing.
- **Cleaning:** Keep the winch clean from dirt, mud, and debris. Use a mild detergent and water, avoiding high-pressure sprays directly on electrical components.
- **Storage:** When not in use, store the winch in a dry, protected environment. Ensure the wire rope is neatly spooled on the drum.

TROUBLESHOOTING

If your winch is not operating correctly, consult the following common issues:

- **Winch does not operate:**
 - Check power connections and ensure the power source is active.
 - Verify the remote control is properly connected and functioning.
 - Inspect for tripped circuit breakers or blown fuses.
- **Winch operates slowly or with reduced power:**
 - Ensure the power supply voltage is correct (115V or 230V) and stable.
 - Check for excessive load exceeding the winch's capacity.
 - Inspect for any obstructions or binding in the wire rope path.
- **Wire rope tangles or spools unevenly:**
 - Ensure constant tension is maintained on the wire rope during spooling.
 - Manually guide the rope if necessary to ensure even layers.

For persistent issues or complex repairs, contact WARN customer support or an authorized service center.

SPECIFICATIONS

Feature	Detail
Brand	WARN
Model Number	93000
Pulling Capacity	3,000 lbs (1.5 Ton)
Motor Horsepower	0.7 Horsepower
Voltage	115/230V AC
Wire Rope Diameter	5/16"
Wire Rope Length	100'
Gear Design	3 stage planetary
Braking System	Mechanical
Motor Type	TEFC Induction AC
Item Weight	86 pounds

WHAT'S IN THE BOX

- WARN 93000 3000 ACI Series Electric 115/230V Winch with Steel Cable Wire Rope: 5/16" Diameter x 100' Length, 1.5 Ton (3,000 lb) Pulling Capacity

Note: Additional accessories such as remote controls, mounting hardware, and wiring may be included or sold separately. Refer to your product packaging for a complete list of contents.

WARRANTY AND SUPPORT

This WARN winch typically comes with a manufacturer's warranty. For specific warranty details, including coverage period and terms, please refer to the documentation included with your product or visit the official WARN website.

Return Policy: This product is eligible for a 30-day free return, refund, or replacement policy from the seller. Please check the seller's specific return policy for details.

Protection Plans: Extended protection plans may be available for purchase, offering additional coverage beyond the manufacturer's warranty. Options include 2-Year and 3-Year Protection Plans, as well as a Complete Protect + Norton 360 plan.

For technical assistance, troubleshooting, or warranty claims, contact WARN customer service or an authorized WARN service center. Contact information can typically be found in your product manual or on the WARN website.