

## FIERYRED FY-WR-15K-BLK-UFA

# FIERYRED 3/16inch 50FT 8500LBS Synthetic Winch Rope Cable Kit Instruction Manual

Model: FY-WR-15K-BLK-UFA

## INTRODUCTION

This manual provides comprehensive instructions for the safe and effective use of your FIERYRED 3/16inch 50FT 8500LBS Synthetic Winch Rope Cable Kit. This kit is designed for winches with a capacity of 2000-3500LBS, suitable for ATVs, UTVs, and light-duty off-road vehicles. Please read this manual thoroughly before installation and operation to ensure proper usage and longevity of the product.

## PRODUCT COMPONENTS

The FIERYRED Synthetic Winch Rope Cable Kit includes the following components:

- **Synthetic Winch Rope:** 3/16 inch diameter, 50 feet length, 8500 lbs tensile strength, made from UHMWPE synthetic fiber with a polyester coating and protective sleeve.
- **Forged Winch Hook:** 3/8 inch, 33500 lbs strength, made of forged steel with a frosted surface treatment.
- **Aluminum Hawse Fairlead:** 4-7/8 inch bolt pattern, compatible with 3,500-4,500 lbs winches, made of 6061-T6 aluminum with a black powder-coated finish.
- **Spherical Rubber Stopper:** Two-piece split design, made of pliable rubber to prevent rope damage and hook clatter.
- **Safety Pull Strap:** For added grip during heavy-duty tasks.
- **Necessary Hardware:** For installation.



Image: Overview of the FIERYRED Synthetic Winch Rope Kit, showing the rope, hook, fairlead, stopper, and pull strap.

SPECIFICATIONS

Feature	Specification
Rope Material	UHMWPE Synthetic Fiber with Polyester Coating
Rope Diameter	3/16 inch
Rope Length	50 feet
Rope Tensile Strength	8500 lbs
Winch Hook Material	Forged Steel

Feature	Specification
Winch Hook Strength	33500 lbs
Fairlead Material	6061-T6 Aluminum
Fairlead Bolt Pattern	4-7/8 inches
Fairlead Compatibility	3,500-4,500 lbs winches
Stopper Material	Pliable Rubber
Vehicle Service Type	ATV, UTV, Truck
Model Number	FY-WR-15K-BLK-UFA

# PRODUCT DIMENSIONS



MAX. 8500LBS



UNIVERSAL FIT

**3/16 INCH  
X 50FT**



Image: Detailed dimensions and specifications for the winch rope, fairlead, hook, and stopper.

## SAFETY INFORMATION

Always prioritize safety when operating winching equipment. Failure to follow safety guidelines can result in serious injury or property damage.

- **Read Winch Manual:** Always refer to your winch's instruction manual for specific safety procedures and operating

limits.

- **Wear Protective Gear:** Use heavy-duty gloves and eye protection during winching operations.
- **Inspect Equipment:** Before each use, inspect the winch rope, hook, fairlead, and all connections for signs of wear, damage, or fraying. Do not use damaged equipment.
- **Clear Area:** Ensure the winching area is clear of bystanders and obstacles.
- **Never Overload:** Do not exceed the rated capacity of the winch rope or your winch.
- **Maintain Tension:** Keep tension on the rope during spooling to prevent tangles and damage.
- **Avoid Sharp Edges:** Protect the rope from sharp edges or abrasive surfaces using tree savers or protective sleeves.
- **Synthetic Rope Advantage:** Synthetic ropes do not store kinetic energy like steel cables, making them safer if they break. However, they can still cause injury.

## INSTALLATION INSTRUCTIONS

---

Follow these steps to properly install the synthetic winch rope onto your winch drum and attach the fairlead and stopper.

1. **Prepare the Winch Drum:** If replacing an existing rope, remove the old rope completely. Ensure the winch drum is clean and free of debris.
2. **Remove Eye Lead (if necessary):** If your winch drum requires a direct attachment point, you may need to remove the pre-spliced eye lead from the synthetic rope. Cut the rope cleanly if this is required by your winch model.

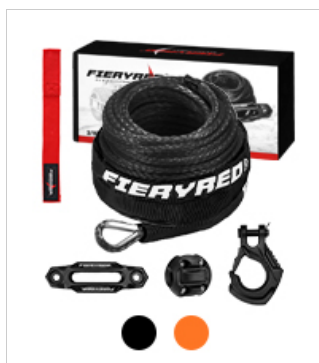


Image: Illustration showing where to cut the eye lead if required for direct drum attachment.

3. **Feed Rope Through Winch Drum Eye:** Locate the attachment point on your winch drum. Feed the end of the synthetic rope through this opening.



Image: Diagram showing the rope being fed through the winch drum's attachment point.

4. **Secure Rope to Drum:** Pull the rope around the drum and secure it according to your winch manufacturer's instructions. Typically, this involves tying a knot or using a provided securing mechanism. Ensure the rope end is firmly in the drum eye.





Image: Illustration of pulling the rope around the winch drum.



Image: Diagram showing the rope end secured within the drum eye.

5. **Spool the Rope:** With the rope secured, begin spooling it onto the winch drum. It is crucial to spool the rope under tension to ensure tight and even layers. This prevents the rope from burying itself in loose layers during heavy pulls. Maintain 5-6 layers of synthetic rope on the drum at all times for secure operation.



Image: Illustration of the rope securely tied to the drum, ready for spooling.



Image: Diagram emphasizing the need for 5-6 layers of rope to remain on the drum for safety.

6. **Install Fairlead:** Mount the aluminum hawse fairlead to your winch bumper or mounting plate using the provided hardware. Ensure it is securely fastened and aligned with the winch drum.
7. **Install Rubber Stopper:** The spherical rubber stopper is a two-piece design. Separate the two halves, place them around the winch rope, and secure them together with the provided fasteners. Position the stopper to prevent the

hook from being pulled into the fairlead, eliminating clatter and protecting the fairlead.

8. **Attach Hook:** Attach the forged winch hook to the end of the synthetic rope's eye loop. Ensure the safety latch on the hook operates freely.



# UPGRADE DETAILS

## HOOK WITH WINCH

Stainless steel hook for replacement

## ANTI-UNRAVEL & TORQUE-FREE DESIGN

12-Strand braid 3/16" 50FT winch rope, Prevents unraveling & prolongs service life

## 3.3FT PROTECTIVE SLEEVE

Guards against fraying, overheating, & slippage

## STAINLESS STEEL LOOP EYE

Prevents Fraying, Overheating, and Slippage

## HAWSE FAIRLEAD WITH WINCH STOPPER

Suitable for 3500~4500lbs winches

## HEAVY DUTY STEEL HOOK

provides 35500lbs strength for your recovery equipments

## SAFETY PULL STRAP

Offers added grip and stability for safe pulling during heavy-duty tasks

Image: Detailed view of the winch rope, hook, fairlead, and stopper components, highlighting their features and how they connect.

## OPERATING INSTRUCTIONS

Proper operation of your winch and synthetic rope is essential for safety and performance.

1. **Assess the Situation:** Before winching, evaluate the recovery situation. Identify anchor points, potential obstacles, and the safest path for the recovery.
2. **Prepare the Vehicle:** Engage the parking brake, place the transmission in neutral (or park for automatic), and block the wheels if necessary.
3. **Unspool Rope:** Carefully unspool the required length of rope, ensuring it does not tangle or snag. Use the safety pull strap for easier handling.
4. **Secure Anchor Point:** Attach the winch hook to a suitable anchor point (e.g., tree saver strap around a tree, recovery point on another vehicle). Ensure the hook's safety latch is closed.
5. **Apply Tension:** Slowly take up slack in the rope until there is light tension.
6. **Begin Winching:** Operate the winch in short, controlled pulls. Monitor the rope, hook, and anchor point for any signs of stress or failure.
7. **Respool Rope:** After recovery, carefully respool the rope onto the drum under light tension. Ensure it layers evenly to prevent damage.

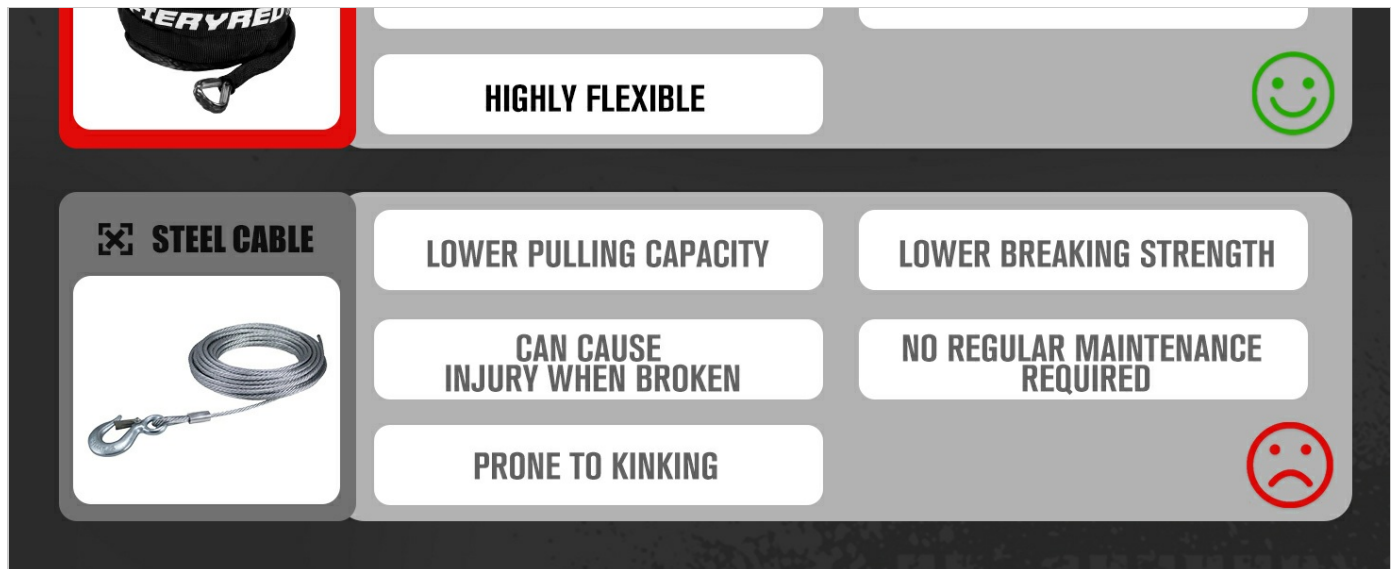


Image: An off-road vehicle demonstrating the use of a winch for recovery in a challenging environment.

## MAINTENANCE

Regular maintenance will extend the life of your synthetic winch rope kit.

- **Clean Rope:** After use, especially in muddy or sandy conditions, clean the synthetic rope with fresh water and mild soap. Rinse thoroughly and allow it to air dry completely before respooling. Do not use harsh chemicals or pressure washers.
- **Inspect for Damage:** Regularly inspect the entire length of the rope for cuts, abrasions, fraying, or discoloration. Pay close attention to areas that experience high stress, such as near the hook and drum attachment point.
- **Check Hook and Fairlead:** Inspect the forged hook for bends, cracks, or corrosion. Ensure the safety latch operates correctly. Check the fairlead for any sharp edges or damage that could abrade the rope.
- **Store Properly:** When not in use, store the winch rope out of direct sunlight and away from chemicals or extreme temperatures.
- **Rotate Rope:** Periodically unspool the entire rope and respool it, reversing the direction if possible, to distribute wear evenly.



## TROUBLESHOOTING

This section addresses common issues you might encounter with your synthetic winch rope kit.

- **Rope Fraying:**
  - **Cause:** Contact with sharp edges, abrasive surfaces, or improper spooling.
  - **Solution:** Inspect the rope for damage. If minor, the protective sleeve may cover it. For significant damage, the rope may need replacement. Always use tree savers or protective sleeves when winching over abrasive surfaces. Ensure proper tension during spooling.
- **Rope Burying Itself on Drum:**
  - **Cause:** Insufficient tension during spooling.
  - **Solution:** Unspool the rope and respool it under tension. This can be done by attaching the rope to a fixed object and driving the vehicle slowly while winching in, or by applying manual tension.
- **Hook or Fairlead Damage:**
  - **Cause:** Impact, excessive force, or improper use.
  - **Solution:** Replace any damaged components immediately. Do not use compromised equipment. Ensure the rubber stopper is correctly positioned to prevent the hook from impacting the fairlead.

## WARRANTY AND SUPPORT

FIERYRED is committed to providing high-quality 4x4 equipment. For any questions, concerns, or support needs regarding your synthetic winch rope kit, please contact our customer service.


- **Customer Support:** FIERYRED aims for immediate response to customer inquiries.
- **Product Quality:** FIERYRED products are designed and engineered with a focus on durability and performance for off-roading applications.

For further assistance, please visit the official FIERYRED store or contact their support channels.



© 2025 FIERYRED. All rights reserved.

### Related Documents - FY-WR-15K-BLK-UFA

	<p><a href="#">Fieryred WIN5500 Series Electric Winch User Manual</a></p> <p>Comprehensive user manual for the Fieryred WIN5500 series electric winches, detailing safety precautions, installation guidelines, product specifications, performance data, troubleshooting steps, and warranty information for 4x4 off-road vehicles.</p>
---	--



[Fieryred Electric Winch User Manual: WIN14500R-ROPE & WIN17500B-ROPE](#)

Comprehensive user manual for Fieryred electric winches, covering models WIN14500R-ROPE and WIN17500B-ROPE. Includes safety guidelines, operation instructions, troubleshooting, specifications, and warranty information for off-road vehicle recovery.



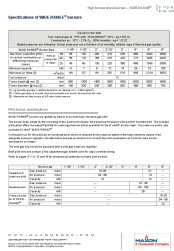
[Fieryred Kinetic Recovery Rope Instruction Manual \(TOW1-ROPE/TOW2-ROPE\)](#)

Comprehensive instruction manual for Fieryred Kinetic Recovery Ropes (TOW1-ROPE and TOW2-ROPE), covering company information, specifications, safety guidelines, setup, recovery procedures, care, maintenance, and warranty details.



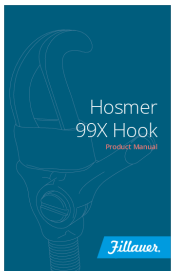
[Fieryred 4x4 Recovery Kit: Soft Shackle & Winch Ring Instruction Manual](#)

Comprehensive instruction manual for the Fieryred 4x4 Recovery Kit, detailing the soft shackle and winch ring. Includes safety warnings, care and maintenance guidelines, specifications, operation instructions, and warranty information.



[MAXON WIDE-RANGE® High Temperature Burners: Specifications, Installation, and Operation](#)

Comprehensive guide to MAXON WIDE-RANGE® high temperature industrial burners, covering specifications, materials, selection criteria, dimensions, installation, operation, maintenance, and model numbers. Includes technical data and diagrams.



[Hosmer 99X Hook Product Manual - Fillauer](#)

Official product manual for the Fillauer Hosmer 99X Hook, detailing its intended use, performance characteristics, installation, compatibility, care, and warranty information.