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› [FieryRed Kinetic Recovery Rope Kit with 2 Soft Shackles, 1 Inch x 30 FT Tow Rope, Heavy Duty Offroad Snatch Strap for UTV, ATV, Truck, Car, Jeep, Tractor 1" 30FT, Shackle Instruction Manual](#)

FIERYRED FY-TR3-RED-KIT-UFA

FIERYRED Kinetic Recovery Rope Kit Instruction Manual

Model: FY-TR3-RED-KIT-UFA

INTRODUCTION

The FIERYRED Kinetic Recovery Rope Kit is designed for safe and effective vehicle recovery in off-road conditions. This kit includes a kinetic recovery rope and two soft shackles, providing a complete solution for extracting stuck vehicles from mud, sand, snow, or ditches. The kinetic rope's ability to stretch and store energy allows for a smoother, less jarring recovery compared to traditional tow straps, reducing stress on vehicle components.

WHAT'S INCLUDED

- 1 x 1 Inch x 30 FT Kinetic Recovery Rope
- 2 x Soft Shackles
- 1 x Storage Bag for Rope Shackles
- 1 x Large Recovery Gear Bag (for the whole kit)



Image: The complete FieryRed Kinetic Recovery Rope Kit, including the red kinetic rope, two black and red soft shackles, and a black storage bag.

SPECIFICATIONS

Feature	Detail
Rope Size	1 inch x 30 feet
Rope Material	100% Nylon 66 (Double Braid)
Rope Minimum Breaking Strength (MBS)	33,900 lbs
Rope Stretch Capability	Up to 30%
Shackle Material	UHMWPE (with movable polyester sleeves)
Shackle Minimum Breaking Strength (MBS)	43,000 lbs
Color	Red (Rope), Black/Red (Shackles)
Product Dimensions	360"L x 1"W (Rope)
Item Weight	10.91 pounds

QUALITY NYLON66 *MATERIALS*

Make the kinetic recovery rope stretch up to 30%, and greatly reduces the shock-loading that is applied to whatever connection point on the vehicle you are using



Image: Detailed product dimensions for the 1-inch x 30-foot kinetic recovery rope, including the 10.04-inch reinforced loops.

BREAKING STRENGTH OF **33,900 LBS**

Ideal for recovering various sizes and types of vehicles, including jeeps, trucks, pickups, SUVs, ATVs, etc

1/2"X20

Up to 2,700 lbs



ATV



UTV



Snowmobile

Minimum Breaking Strength

7,700 LBS

3/4"X20

Up to 6,700 lbs



Cars



SUVs



Pickup



Minivan



Utility Van

Minimum Breaking Strength

19,200 LBS

7/8"X30

Up to 10,000 lbs



Pickup



Minibus



Minivan



Step Van



Utility Van

Minimum Breaking Strength

29,300 LBS

1"X30

Up to 11,500 lbs



Minibus



Minivan



Step Van



Utility Van



City Delivery

Minimum Breaking Strength

33,900 LBS

1-1/4"X30

Up to 18,000 lbs



City Delivery



Conventional Van



Large Walk In



Bucket

Minimum Breaking Strength

53,000 LBS

Image: Breaking strength chart for kinetic recovery ropes, indicating the 33,900 lbs MBS for the 1"x30' rope, suitable for vehicles up to 11,500 lbs.

SETUP AND CONNECTION

Proper setup is crucial for safe and effective recovery. Always ensure all connection points are secure and rated for the load.

- 1. Identify Recovery Points:** Locate suitable recovery points on both the stuck vehicle and the recovery vehicle. These are typically reinforced points designed for towing or recovery, such as tow hooks or D-ring shackles. Never attach to bumpers, axles, or suspension components not designed for recovery.
- 2. Connect the Kinetic Rope:** Attach one looped end of the kinetic recovery rope to the recovery point of the stuck vehicle. The polymer-coated ends provide abrasion resistance.
- 3. Utilize Soft Shackles:** If direct attachment is not possible or if additional connection points are needed, use the provided soft shackles. Soft shackles are lighter and safer than steel shackles.
 - To use a soft shackle, open the shackle by pulling the knot through the loop.
 - Pass the open loop through the recovery point.

- Bring the knot back through the loop and pull it tight to secure the connection.
 - Ensure the movable polyester sleeves are positioned to protect the shackle from abrasion at the contact points.
4. **Connect to Recovery Vehicle:** Attach the other end of the kinetic recovery rope (or a soft shackle connected to it) to the recovery point of the recovery vehicle.
 5. **Clear the Area:** Ensure all bystanders are at a safe distance, away from the recovery path and potential snap-back zones.



Image: A detailed view of the soft shackle, showing its UHMWPE material, 12-strand braided construction, heat shrink for stability, and movable polyester sleeves for wear prevention.

OPERATING INSTRUCTIONS

The kinetic recovery rope is designed to stretch and store kinetic energy, then release it to smoothly pull a stuck vehicle free. This method reduces the sudden shock typically associated with rigid tow straps.

1. **Position the Recovery Vehicle:** The recovery vehicle should be positioned in a stable area, aligned with the stuck vehicle's recovery path.

2. **Prepare the Stuck Vehicle:** Ensure the stuck vehicle is in neutral and its wheels are straight. The driver should be ready to assist by steering or applying light throttle if needed.
3. **Initiate Recovery:** The recovery vehicle should slowly accelerate, allowing the kinetic rope to stretch and build tension. Once the rope is taut and begins to stretch, a smooth, controlled pull should be applied. Avoid sudden jerks or excessive speed.
4. **Observe and Adjust:** Monitor the recovery process. The rope will stretch, absorbing shock, and then contract, pulling the stuck vehicle. If the vehicle does not come free on the first attempt, reassess the situation, adjust positioning if necessary, and repeat the process.
5. **Disconnect Safely:** Once the vehicle is recovered, slowly release tension on the rope before disconnecting it from both vehicles.

Your browser does not support the video tag.

Video: Demonstration of the FieryRed kinetic recovery rope in action, showing a vehicle being pulled out of mud. This video illustrates the rope's stretch and smooth recovery capability.



Image: A red kinetic recovery rope connecting a recovery vehicle to a stuck vehicle, demonstrating the rope's stretch during a pull.

MAINTENANCE AND CARE

To ensure the longevity and performance of your FIERYRED Kinetic Recovery Rope Kit, follow these maintenance guidelines:

- **Cleaning:** After each use, especially in muddy or sandy conditions, rinse the rope and shackles thoroughly with fresh water. Allow them to air dry completely before storing. Do not use harsh chemicals or bleach.
- **Inspection:** Regularly inspect the entire rope and both shackles for any signs of wear, fraying, cuts, abrasions, or damage. Pay close attention to the looped ends of the rope and the polyester sleeves on the shackles. If significant damage is found, discontinue use and replace the affected component.
- **Storage:** Store the rope and shackles in their provided bags in a cool, dry place, away from direct sunlight, extreme temperatures, and chemicals. Proper storage prevents premature degradation of the materials.
- **Avoid Overloading:** Never exceed the stated Minimum Breaking Strength (MBS) of the rope or shackles. Overloading can cause permanent damage and compromise safety.

TROUBLESHOOTING

If you encounter issues during recovery, consider the following:

- **Vehicle Not Recovering:**

- Ensure both vehicles' recovery points are correctly and securely attached.
 - Verify the stuck vehicle is in neutral and its wheels are straight.
 - Check if the recovery vehicle has sufficient traction and power.
 - Increase the distance for the recovery vehicle to build more kinetic energy, if safe to do so.
 - Consider using additional recovery techniques or equipment if the vehicle remains stuck.
- **Rope Not Stretching:**
 - Confirm the rope is fully extended before the pull. There should be some slack to allow for initial acceleration and stretch.
 - Ensure the recovery vehicle is accelerating smoothly and consistently.
 - **Damage to Rope/Shackles:**
 - Immediately cease recovery if any component shows signs of damage during use.
 - Inspect for sharp edges on recovery points that might be cutting the rope or shackles. Use protective sleeves or dampeners if necessary.



WARRANTY AND SUPPORT

The FIERYRED Kinetic Recovery Rope Kit comes with a **3-year warranty**, serving as quality assurance for both the recovery rope and soft shackles.

For technical support, warranty claims, or any questions regarding your product, please contact FIERYRED customer service through their official website or the retailer where the product was purchased. Please have your model number (FY-TR3-RED-KIT-UFA) and purchase details ready.

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Related Documents - FY-TR3-RED-KIT-UFA

	<p>Fieryred 4x4 Recovery Kit: Soft Shackle & Winch Ring Instruction Manual</p> <p>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.</p>
	<p>Fieryred Kinetic Recovery Rope Instruction Manual (TOW1-ROPE/TOW2-ROPE)</p> <p>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.</p>



[Fieryred WIN5500 Series Electric Winch User Manual](#)

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.



[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 Electric High Pressure Washer User Manual HGPC006A/HGPC012A](#)

Comprehensive user manual for Fieryred Electric High Pressure Washer models HGPC006A and HGPC012A. This guide provides essential safety warnings, operating instructions, setup procedures, connection details, technical specifications, troubleshooting tips, maintenance advice, and warranty information.