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## FIERYRED FY-SS-430-RED-UFA

# FIERYRED Tow Strap Recovery Kit User Manual

Model: FY-SS-430-RED-UFA

### PRODUCT OVERVIEW

The FIERYRED Tow Strap Recovery Kit is designed for safe and effective vehicle recovery in various off-road and emergency situations. This heavy-duty kit includes a 4-inch by 30-foot tow strap with a 46,500 lb break strength, along with two 3/4 inch D-ring shackles. Constructed from 100% polyester, the strap is built to withstand harsh conditions, including dirt, sharp edges, abrasion, acid, alkali, and extreme temperatures. Its reinforced loop ends and movable protective sleeves enhance durability and safety during use. The kit is an essential tool for 4x4 enthusiasts, emergency personnel, and anyone requiring reliable heavy object hauling capabilities.



Image: The complete FIERYRED Tow Strap Recovery Kit, featuring the red polyester strap, two black and red D-ring shackles, and a black storage bag.

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Upon opening your FIERYRED Tow Strap Recovery Kit, please verify that all components are present and in good condition:

- 1 x FIERYRED Tow Strap (4 inches x 30 feet)
- 2 x 3/4 inch D-Ring Shackles with Isolators
- 1 x Storage Bag
- 1 x User Manual (this document)

# 35000LBS RECOVERY TOW STRAP

30FT SNATCH STRAP

3/4 INCH SHACKLE

- High strength ,Light weight
- Breaking Strength: 15900KG
- Dual Protective Sleeves
- Quick Attachment
- High Visibility





Waterproof



Moistureproof



Corrosionproof



Rustproof



Weather Resistant

Image: A visual representation of the kit's contents, including the tow strap, two D-ring shackles, and the storage bag.

SPECIFICATIONS

Feature	Detail
Strap Dimensions	4 inches (width) x 30 feet (length)
Strap Material	100% Polyester
Break Strength (Strap)	46,500 lbs (21,092 kg)
Working Load Limit (Strap)	18,700 lbs (8,482 kg)
Shackle Size	3/4 inch
Shackle Break Strength	22,046 lbs (10,000 kg)
Shackle Material	Stainless Steel
Color	Red (Strap), Black/Red (Shackles)
Total Kit Weight	Approximately 14.08 lbs (6.39 kg)
Model Number	FY-SS-430-RED-UFA

# PRODUCT DEMENSIONS



Image: Visual representation of the product dimensions, showing the 4-inch width and 30-foot length of the strap, and the shackle dimensions.

## SAFETY PRECAUTIONS

Always prioritize safety when performing vehicle recovery. Failure to follow these precautions can result in serious injury or death, and damage to vehicles or property.

- **Inspect Equipment:** Before each use, thoroughly inspect the tow strap, shackles, and all connection points for any signs of wear, cuts, fraying, deformation, or damage. Do not use damaged equipment.
- **Know Your Limits:** Never exceed the Working Load Limit (WLL) of the strap or shackles. The WLL is significantly lower than the break strength. For this kit, the strap's WLL is 18,700 lbs, and shackle break strength is 22,046 lbs.
- **Proper Attachment Points:** Always attach the strap and shackles only to designated recovery points on vehicles (e.g., tow hooks, recovery points, hitch receivers). Never attach to bumpers, axles, suspension components, or other non-reinforced parts.
- **Clear the Area:** Ensure all bystanders are well clear of the recovery area. A breaking strap or shackle can become a dangerous projectile.
- **Use Dampener:** When possible, place a heavy blanket, jacket, or a dedicated strap dampener over the middle of the tow strap to absorb energy in case of a break.

- **Smooth Pulls:** Avoid sudden jerking motions. Apply tension slowly and smoothly.
- **Vehicle Alignment:** Position the recovery vehicle and the stuck vehicle in as straight a line as possible to minimize side loads on the strap and attachment points.
- **Gloves:** Wear heavy-duty gloves to protect your hands during handling.
- **Training:** If unsure, seek professional training on safe vehicle recovery techniques.

## SETUP AND ATTACHMENT

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Proper setup is crucial for safe and effective recovery operations.

1. **Assess the Situation:** Evaluate the stuck vehicle's position, the terrain, and potential obstacles. Determine the best recovery direction and identify suitable recovery points on both vehicles.
2. **Prepare the Strap:** Uncoil the FIERYRED tow strap. Ensure it is not twisted or knotted. The reinforced loop ends are designed for secure attachment.
3. **Attach Shackles:**
  - Unscrew the pin from the D-ring shackle.
  - Insert the shackle through the recovery point on the vehicle and through one of the reinforced loop ends of the tow strap.
  - Re-insert the pin and screw it in tightly. Then, turn it back approximately a quarter turn to prevent it from binding under load.
  - Ensure the premium isolators are properly seated to prevent metal-on-metal clanking and protect vehicle finishes.



## COME WITH 2 SHACKLES

Tow straps can be attached to a vehicle's frame or bumper easily.

Image: Demonstrates how to attach the D-ring shackle to a vehicle's recovery point, connecting it with the tow strap.



Image: A close-up view of the D-ring shackle, highlighting the isolator and washers designed to prevent noise and protect surfaces.

4. **Connect Both Vehicles:** Connect the other end of the tow strap to the recovery vehicle using the second D-ring shackle, following the same procedure.
5. **Position Protective Sleeves:** Adjust the two movable sleeves on the strap to protect areas that might rub against

sharp edges or abrasive surfaces during the pull.

6. **Clear Path:** Ensure the path between the two vehicles is clear of people, animals, and debris.

## OPERATING INSTRUCTIONS (VEHICLE RECOVERY)

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Once the strap is securely attached and safety precautions are in place, proceed with the recovery:

1. **Communication:** Establish clear communication between the drivers of both vehicles. Hand signals or two-way radios are recommended.
2. **Initial Tension:** The recovery vehicle should slowly take up the slack in the tow strap until it is taut. Avoid sudden jerks.
3. **Gentle Pull:** The recovery vehicle should then apply a steady, gentle pull. The stuck vehicle's driver should attempt to assist by gently applying power in the direction of recovery, if safe to do so.
4. **Increase Power Gradually:** If the vehicle does not move, gradually increase the power from the recovery vehicle. Avoid excessive wheel spin or sudden acceleration.
5. **Monitor:** Continuously monitor the strap, shackles, and attachment points for any signs of stress or failure. If any issues are observed, stop immediately.
6. **Successful Recovery:** Once the stuck vehicle is free, slowly reduce tension on the strap and carefully disconnect it from both vehicles.

# **BREAK STRENGTH**

# **46500LBS**



Image: A scene depicting a vehicle being recovered from mud using the tow strap, demonstrating its application in challenging off-road conditions.



## WIDER APPLICATIONS

Designed for freeing stuck vehicles and other recovery towing applications

Image: A collage showcasing the versatility of the tow strap in different recovery scenarios, such as snow, forest trails, and sandy terrain.

### MAINTENANCE AND STORAGE

Proper maintenance and storage will extend the life of your FIERYRED Tow Strap Recovery Kit.

- **Cleaning:** After each use, especially in dirty or muddy conditions, clean the strap with mild soap and water. Rinse thoroughly and allow it to air dry completely before storage. Do not use harsh chemicals or bleach.
- **Inspection:** Regularly inspect the strap for cuts, abrasions, fraying, or any signs of damage. Check shackles for bends, cracks, or corrosion. Retire any damaged components immediately.
- **Storage:** Store the clean and dry tow strap and shackles in the provided storage bag. Keep the kit in a cool, dry place, away from direct sunlight, extreme temperatures, and corrosive chemicals.
- **Avoid UV Exposure:** Prolonged exposure to ultraviolet (UV) light can degrade polyester fibers. Store the strap out of direct sunlight when not in use.



Image: The black storage bag for the tow strap kit, featuring a handle with Velcro tape for secure closure and easy transport.

## TROUBLESHOOTING

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While the FIERYRED Tow Strap Recovery Kit is designed for reliability, issues can sometimes arise during recovery operations. Here are some common scenarios and solutions:

- **Strap Not Moving Vehicle:**

- Ensure both vehicles are aligned as straight as possible.
- Verify that the stuck vehicle's brakes are not engaged and the transmission is in neutral (or appropriate gear for assistance).
- Check for excessive resistance (e.g., vehicle high-centered, deeply buried). Consider alternative recovery methods or additional equipment if the resistance is too high for the strap's WLL.
- Confirm the recovery vehicle has sufficient traction and power.

- **Shackle Pin Stuck/Hard to Unscrew:**

- This can happen if the shackle was overtightened or if dirt/debris is in the threads.
- Tap the shackle pin lightly with a hammer to loosen any binding.
- Use a wrench or shackle key for leverage if available.
- Always back off the pin a quarter turn after tightening to prevent binding under load.

- **Strap Appears Damaged After Use:**

- If the strap shows any signs of cuts, fraying, excessive stretching, or damage to the loops, it must be retired immediately. Do not attempt to repair it.
- Damage often indicates improper use, exceeding WLL, or contact with sharp objects. Review safety precautions for future recoveries.

## WARRANTY AND SUPPORT

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FIERYRED provides a **2-year warranty** for the entire recovery kit, covering manufacturing defects and material failures under normal use. This warranty does not cover damage resulting from misuse, abuse, improper installation, or normal wear and tear.

For warranty claims, technical support, or any questions regarding your FIERYRED Tow Strap Recovery Kit, please contact FIERYRED customer service through their official website or the retailer where the product was purchased.

Please have your model number (FY-SS-430-RED-UFA) and proof of purchase ready when contacting support.

Visit the official FIERYRED store for more information: [FIERYRED Store on Amazon](#)

## Related Documents - FY-SS-430-RED-UFA

	<p><a href="#">Fieryred 4x4 Recovery Kit: Soft Shackle &amp; Winch Ring Instruction Manual</a></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><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>
	<p><a href="#">Fieryred Kinetic Recovery Rope Instruction Manual (TOW1-ROPE/TOW2-ROPE)</a></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>
	<p><a href="#">Fieryred Electric Winch User Manual: WIN14500R-ROPE &amp; WIN17500B-ROPE</a></p> <p>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.</p>



### [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.