

FIERYRED®
4x4 EQUIPMENT

KINETIC RECOVERY ROPE INSTRUCTION MANUAL



Please read this manual carefully before use

TOW1-ROPE / TOW2-ROPE

V1.0

Fieryred, founded in March, 2016 and born of the passion to fulfill four-wheel drive lovers' demand for affordable, yet high quality 4x4 equipment, takes prides in designing, engineering and providing rock solid 4x4 products to let you rediscover the fun of off-roading.

Based in the United States, Fieryred is a professional supplier of 4x4 equipment, currently provides off-road recovery gears & tools as well as aftermarket vehicle parts that are designed to offer you ultimate experience with exceptional value.

It is the passion, coupled with a continuing commitment to quality and unswerving dedication to customer, that distinguishes Fieryred from the competition. At Fieryred, we strive to excel your expectation, and permeate that conviction into every product that wears the Fieryred brand.

Wherever your passion takes you, Make Your Own Path.

Contents

Fieryred Kinetic Recovery Rope x 1

Fieryred Carry Bag x 1

Specifications

Manufacturer Number:	TOW1-ROPE	TOW2-ROPE
Net Weight:	2.32 kg (5.11pounds)	3.36 kg (7.41pounds)
Color:	Black	
Material:	Nylon 66	
Rope Diameter:	2.2cm (7/8inch)	
Rope Length:	6m (20ft)	9m (30ft)
Working Load:	8,482kg (18,700lbs)	
Elasticity:	30%	

General Information

Kinetic Ropes are a heavy-duty rope (usually nylon) that can stretch and spring back to original length. The combination of the recovery vehicle pull and the tension in the rope creates a 'snatching' effect that can pull a stranded vehicle free from being bogged or unable to move under its own power. When used in accordance with these guidelines, vehicles may be recovered with minimal injury risk to people or damage to vehicle equipment.



WARNING

INCORRECT USE MAY RESULT IN INJURY OR DEATH



Vehicle OCCUPANTS and BYSTANDERS have been KILLED by flying projectiles (such as tow balls) when kinetic ropes have been attached incorrectly. NEVER attach recovery ropes to vehicle fittings such as tow balls, tow bars, tie-down points or tow hooks. ONLY attach kinetic ropes to an APPROVED recovery point/device that is suitably rated for use with the ropes. BEFORE attempting a vehicle recovery all passengers must exit the vehicles and stand as far away as possible.

Key Information and Safety Recommendations

Please read these instructions before you use your Kinetic Rope.

Before using this rope, it is the operator's responsibility to ensure that the rope is not damaged and is in usable conditions. Inspect for stray strands or broken threads in the rope and in the loops at both ends. If there is any sign of damage, discard the kinetic rope as its integrity has been compromised and therefore weakened.

- Inspect regularly for signs of wear and cease using if any damage is visible.
- Check the rope and its packaging for the stated minimum breaking strength of this rope.
- It is recommended that the minimum breaking strength of the rope should be between 2 and 3 times the vehicle's gross vehicle mass.
- The rope must be suited to the gross vehicle mass of the lighter of the two vehicles used in the recovery process.
- Persons intending to use the rope must ensure that the rope is not damaged and is in usable condition.
- Persons intending to use the rope should consider completing a nationally recognised four wheel drive training course or contact a four wheel drive club for comprehensive advice on the proper selection and use of the rope.

- Only use the rope for the purpose it was designed for.
- The kinetic rope must not be used for lifting or conventional towing. Use the kinetic rope only when pulling a stuck vehicle out of snow, mud or sand, and use a polyester tow strap when pulling a dead vehicle off a trail to safety.
- Do not tie knots with the rope.
- The rope's strength and stretch are reduced when the rope is saturated.
- Something like a recovery dampener, heavy bag or blanket must be draped over the rope during use to reduce any unintentional rebound of the rope.
- Before attempting the vehicle recovery, passengers of the vehicles involved must:
 - (a) exit the vehicles; and
 - (b) stand as far away from the vehicles as possible; and
 - (c) avoid standing within the path of the vehicle performing the recovery.
- Do not allow the kinetic rope to come into contact with trees, rocks or other sharp / rough surfaces when under tension.



IMPORTANT

- Never attempt to recover a vehicle without all the necessary equipment.
- Only use equipment that is properly rated for the particular situation. If in doubt, don't use it.
- Never exceed the Minimum Breaking Strength of the rope or the Working Load Limit of shackles.
- Always, where possible, use an equaliser strap.
- Never use a bigger run-up. A two-metre-wide 'Z' shaped run-up is all that is required. If the first pull doesn't work, re-set and repeat with a little more power and effort from the tow vehicle.

General Care and Maintenance

- Never allow your rope to rub against sharp or hot surfaces.
- Avoid twists and kinks. After washing, and when dry, always coil your rope for storage.
- Clean your rope with warm water and a mild detergent, allowing thorough drying before storage. Foreign material such as sand and grit can permanently damage the rope fibres.
- Store away from direct sunlight and heat.
- Check full length of rope for nicks and cuts before and after use. If damaged, replace it.

Setting Up the Recovery

- Assess the circumstances of the stranded vehicle. If it has bottomed out, clear under the vehicle body so it rests on its wheels. The recovery vehicle should be placed in line (no more than 10° off the straight line) with the stranded vehicle for either a forward or reverse recovery operation.
- Distance between vehicles should be 2~3 metres (6.6~9.8 feet) less than the unstretched length of the kinetic rope. Establish agreed signals between the vehicle drivers, by radio (preferably), hand signals or vehicle horn.

Connecting the Kinetic Rope

- Carefully inspect the kinetic rope to determine that it is in good condition. If the rope is wet, dirty, cut or chaffed, it will not perform properly. A wet rope may be 20% under strength, a damaged rope may break. Do not allow the rope to contact hot surfaces or sharp edges.
- Roll the rope out between the vehicles, and make sure there are no twists, leave about 2~3 metres (6.6~9.8 feet) slack between the vehicles. The joining of ropes should be avoided wherever possible (retailers carry varying lengths of rope). **NEVER USE A METAL OBJECT** to join ropes - if the rope breaks it can become a missile and cause damage or injury.
- Check your vehicle handbook for recovery point locations or use correctly rated and fitted aftermarket recovery points and shackles. Recovery points are different to vehicle tie down points. Recovery points are specifically designed to be used for towing and have a greater capacity to withstand stress, whereas tie down points are simply for holding the vehicle in place when stationary. **DO NOT CONNECT TO A TOW BALL, TIE DOWN POINT, OR DIRECTLY TO THE VEHICLE BULL BAR OR TOW BAR.** Using a load rated shackle, connect kinetic rope either directly to vehicle's documented recovery point or to a correctly rated aftermarket recovery point **ONLY**.
- Load ratings are marked on shackles as Working Load Limit. Bow shackles are suitable for this purpose and should be rated at least 3.25t. To correctly tighten shackle pins, screw the pin until it seats then back about 1/2 to 1 turn. Over tightening may lead to seized pins, due to the force exerted during recovery operations. To reduce the risk of vehicle damage and personal injury, hang a suitable recovery damper blanket, over the kinetic rope, approximately midway to restrict the whipping action of a rope should it break.
- Place 2 metre Z bend nearest to recovery vehicle. This allows the driver of the recovered vehicle to see the rope taking up and minimises the rope dragging across the ground.

Keeping People Safe

Only the drivers of the stranded and recovery vehicle should be in those vehicles. Nobody else should be in or on those vehicles. Ensure passengers and bystanders stand as far away from the vehicles as possible, to the side of the line of recovery. NEVER stand between vehicles connected by a kinetic rope or step over a kinetic rope once connected – always walk around.

Making the Recovery

- Before the recovery operation drivers must agree on the point to which the stranded vehicle is to be recovered and the signal (radio, hand signal or horn blast) when that point is reached.
- With communications maintained between both vehicles, and kinetic rope secure, the recovery vehicle should gently accelerate, taking up the slack and proceeding at no faster than 10~12kph. For best results the stranded vehicle should be in 1st gear (or 2nd low), and the driver should assist the recovery by trying to drive out approximately 3 seconds from when the recovery vehicle moves off.
- If the vehicle is not recovered on the first attempt, check under the stranded vehicle, again, for obstacles, reset the slack in the kinetic rope and try a little more speed by the recovery vehicle.
NOTE: Excessive speed or continual jerking action whilst using a kinetic rope may result in damage to the recovery point, chassis and drive line of both vehicles.
- When the stranded vehicle reaches the agreed point the driver should advise and the recovery vehicle should stop, then the stranded vehicle should stop.
- When proper use of a kinetic rope is unsuccessful, use an appropriate sized recovery winch.
- Do not attempt to remove the rope until both vehicles are stationary and secured.
NOTE: Kinetic ropes require rest periods between use to return to their original length and capacity. Excessive pulls over a short period of time can cause heat build-up and possible failure.



WARRANTY

Fieryled ("Manufacturer") warrants to the original buyer ("User") that its Kinetic Rope sold hereunder shall be free from material defects in workmanship or materials and conform to Fieryled's specifications for this product under normal application, connection, use and maintenance conditions from the date sold and for the duration (the "Warranty Period") of 1 YEAR.

If it fails to operate during the limited warranty period due to defects in materials or workmanship, Fieryled will, at its option, replace it with the same or similar product, or issue a refund.

This limited warranty is provided by Fieryled and there are no other warranties, expressed or implied, except as required by law, including warranties of merchantability and fitness for a specific purpose, that are provided for herein, however all such implied warranties, if any, are limited to the duration of this specific limited product warranty. Oral statements or representations about the product do not constitute warranties.

THIS WARRANTY WILL NOT APPLY IF:

- the product has been repaired, altered or modified;
- the alleged defect in the Product is within acceptable industry variances;
- Fieryled cannot establish any fault in the Product after testing and inspection;
- the Product has been used other than for the purpose for which it was designed;
- the defect in the Product has arisen due to the customer's failure to properly use and maintain the Product;
- the Product has been subject to abnormal conditions, including temperature, water, fire, humidity, pressure or similar;
- the defect has arisen due to abuse, misuse, neglect or accident.

CLAIMS:

No returns will be credited without an authorization. If a Fieryled product is suspected of being defective, you'll need to provide proof of purchase (e. g. a screenshot of the order) and a picture or video of the damaged goods in their entirety to the seller you purchased from for evaluation.

Removal, connection, or reconnection costs are not covered by this limited warranty.

For more information, please visit <https://fieryled.com/>

