

BUSHRANGER
4x4 GEAR

RECOVERY GEAR

Owners Manual

OM-RG01



WARNING

INCORRECT USE MAY RESULT IN INJURY OR DEATH!

Vehicle **OCCUPANTS** and **BYSTANDERS** have been **KILLED** by flying projectiles (such as tow balls) when recovery straps and recovery ropes have been attached incorrectly.

NEVER attach recovery straps or recovery ropes to vehicle fittings such as tow balls, tow bars, tie-down points or tow hooks.

ONLY attach recovery straps and ropes to an **APPROVED** recovery point/device that is suitably rated for use with the strap or rope.

BEFORE attempting a vehicle recovery all passengers must exit the vehicles and stand as far away as possible.

Disclaimer

The use cases, warnings, and advice provided above are intended to assist in the safe and effective use of Bushranger 4x4 Recovery Gear products. They are offered as general guidance only and do not replace proper training or expert instruction.

Recovery operations are inherently dangerous and should only be carried out by individuals who are trained and competent in the use of vehicle recovery equipment. Bushranger 4x4 Gear accepts no liability for any injury, damage, or death that may result from the use or misuse of its products.

Always follow manufacturer instructions, use rated recovery points and components, and prioritise safety at all times.

DEFINITIONS

'Minimum breaking strength' (MBS) for motor vehicle recovery gear, means the minimum load necessary to cause the product to fail.

'Working load limit' (WLL) for motor vehicle recovery gear, is load it's rated to withstand routinely, for extended periods, without fatiguing.

'Motor vehicle recovery strap or rope' means a recovery strap or rope, for attaching to a bogged vehicle to tow it clear of the situation.

'Gross Vehicle Mass (GVM)' for a motor vehicle means the maximum loaded mass of the motor vehicle as stated:

- On the compliance plate, registration certificate, or build plate for the vehicle; or
- In the handbook for the vehicle; or
- In documentation for the vehicle available from the vehicle manufacturer

IMPORTANT!

It is critically important that all users of vehicle recovery gear understand and respect the four key pillars of safe recovery practices:



SAFETY

Prioritising safety ensures that everyone involved remains out of harm's way during recovery operations.



PRODUCT KNOWLEDGE

A solid understanding of product and use case helps users select the correct equipment for the task and apply it appropriately. Users should be trained and competent in the use of vehicle recovery equipment.



GEAR INSPECTION

Regular and thorough inspection of gear before and after use is essential to identify wear, damage, or faults that could lead to failure.



USE, CARE & HANDLING

Proper use, care, and handling not only ensures maximum performance but also extends the life of recovery equipment, maintaining its reliability when it matters most.

GENERAL SAFETY

VEHICLE RECOVERIES SHOULD BE PERFORMED BY COMPETENT USERS. IF YOU ARE NOT CONFIDENT, CALL FOR ASSISTANCE.

Assess the Situation

- Stop and evaluate all potential risks before attempting a recovery.
- Plan the recovery method based on the level of risk, terrain, vehicle situation, and available gear.

Before Attempting Vehicle Recovery

- Ensure both vehicles are stationary and stable prior to commencing fitment of Recovery gear.
- Passengers of the vehicles involved must:
 - a. Exit the vehicles and
 - b. Stand as far away from the vehicles as possible, (at least 1.5 times the length of the upstretched rope) and
 - c. Never situate themselves in the path of the vehicle performing the recovery.
- Equaliser strap(s)/rope(s) connected to the vehicle(s) front recovery points will help distribute the load, reducing the risk of damage to the vehicle(s).

Communication

- Designate a recovery leader and maintain clear hand signals or UHF radio communication.

Inspect Equipment Before and After Use

- Recovery gear will wear out over time. The level of wear will depend on frequency of use, environmental conditions and recovery loads.
- Check for wear, fraying, cuts, deformation, rust or cracks in all recovery gear before use
- Replace any gear with visible damage.

Use Rated Recovery Gear

- Always use equipment clearly labelled with Working Load Limit (WLL) or Minimum Breaking Strength (MBS).
- Ensure shackles, straps, winches, and recovery points are suitable for the vehicle's weight.
- Never exceed the minimum breaking strength (MBS) of the strap/rope, the vehicle recovery point or the rating of the shackles being used.
- If you have any doubt that the recovery procedure will exceed the limits of your recovery gear, **DO NOT USE IT.**

Use Dampeners on Straps, Ropes and Winch Lines

- Position a recovery damper over the middle of a strap, rope or winch line to reduce recoil risk if something fails during a recovery.

Wear PPE

- Gloves and eye protection help avoid injuries, especially when handling winch cables or navigating steep terrain.

SNATCH RECOVERY SAFETY

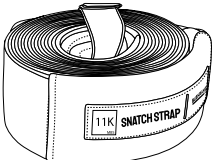
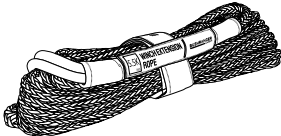
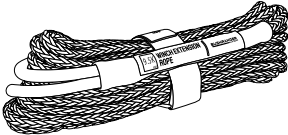
- The minimum breaking strength of this strap should be between 2 and 3 times the gross vehicle mass (GVM) of any vehicle it is used with. The strap must be suited to the GVM of the lighter of the 2 vehicles used in the recovery process.
- **DO NOT** use wet recovery ropes and straps. A straps strength & stretch are reduced when it is saturated with water.
- **DO NOT** attempt conducting a snatch recovery of a vehicle that is unstable or in a position where a vehicle roll over may occur.
- **DO NOT** attempt to snatch recover a vehicle on a downward slope (for risk of recovered vehicle colliding with the lead vehicle).
- **DO NOT** attempt to snatch recover a vehicle where the body and body components are contacting the ground. All obstructions should be cleared or an alternative recovery method should be used, such as a winch.
- **DO NOT** attempt to push either vehicle during a snatch recovery.
- Only use rated recovery points and bow or soft shackles with an adequate rated capacity.
- **DO NOT** attach ropes or straps over a tow ball, tow bar or bull bar.
- A snatch recovery should be performed at a steady speed, in the lowest effective gear.
- Be aware that excessive recovery attempts with the ropes or straps over a short period of time can cause a build-up of heat in the rope and potential failure may occur.
- **NEVER** use a "D" or Bow shackle to connect two or more ropes or straps.
- Avoid kinks and twists in recovery ropes or straps.
- Always keep recovery ropes and straps clear of all sharp and hot surfaces.
- When conducting a snatch recovery, the two vehicles should be in as close to a straight line as possible. **NEVER** exceed the maximum steering angle of the vehicles as this significantly increases the load on the recovery ropes, straps and the vehicles.
- **NEVER** drive over the recovery ropes or straps as this will cause damage.
- Before attempting off-road recoveries it is recommended that all persons involved should complete 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 recovery equipment.
- **NEVER** use recovery gear for conventional towing or lifting.

WINCH RECOVERY SAFETY

- Please refer to your winches instruction manual for directions on the safe usage of the winch in recovery operations.
- **NEVER** use a dead tree as a winching anchor point. Ensure the selected tree is rigid, firmly rooted and not compromised in any way prior to rigging up.

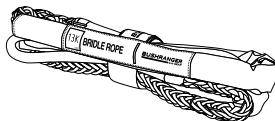
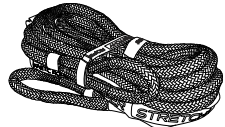
RECOVERY GEAR PRODUCT OVERVIEW

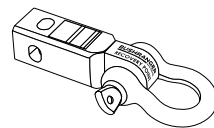
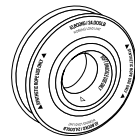
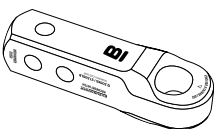
All Bushranger recovery gear is clearly labelled with key safety information, including the Working Load Limit (WLL) or Minimum Breaking Strength (MBS), along with the product type. These labels are designed to help users quickly identify the correct gear for each recovery situation. Always refer to the individual product labels before use to ensure the appropriate and safe selection of equipment.

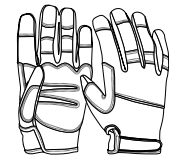
PRODUCT	USE CASE
RSS008 8K Snatch Strap 	Ideal for recovering lighter 4WDs (like mid-size SUVs or utes) stuck in mud, sand, or snow by using the elastic kinetic energy to pull the vehicle free.
RSS011 11K Snatch Strap 	Ideal for recovering heavier 4WDs (like full-size SUVs or utes) stuck in mud, sand, or snow by using the elastic kinetic energy to pull the vehicle free.
RST011 11K Tree Trunk Protector Strap 	Wrapped around a tree to serve as a non-damaging anchor point for winch recoveries, preserving the tree and providing a stable base.
RSW055 5.5K Winch Extension Strap 	Extends the reach of a winch when the nearest anchor point is further than the winch line can reach. Suitable for lighter winch recoveries only.
RRW055 5.5K Winch Extension Rope 	Extends the reach of a winch when the nearest anchor point is further than the winch line can reach. Suitable for lighter winch recoveries only.
RRW095 9.5K Winch Extension Rope 	Extends the reach of a winch when the nearest anchor point is further than the winch line can reach. Recommended for heavier winch recoveries.

CARE & MAINTENANCE

Rinse recovery gear with fresh water to remove sand or salt, use mild soap if necessary. Avoid prolonged UV exposure, store in a cool dry location.

PRODUCT	USE CASE
RRB013 13K Recovery Bridle Rope 	Connects two front or rear recovery points on a vehicle to help distribute the load during a recovery pull.
RRT013 13K Tree Trunk Protector Rope 	A soft, rope-style tree protector used as a winch anchor point—gentle on tree bark and perfect for synthetic winch setups.
RSH012 12K Soft Shackle 	Replaces heavy steel bow shackles in most 4WD recoveries; lightweight, easy to use, and safe under load for joining straps, rings, or recovery points.
RSH018 18K Soft Shackle 	Designed for heavier-duty recoveries, such as large 4WDs, trucks, or when using high-load setups like double-line winching or bridles.
RRK08 8K Kinetic Rope 	Ideal for recovering lighter 4WDs (like mid-size SUVs or utes) stuck in mud, sand, or snow by using the elastic kinetic energy to pull the vehicle free.
RRK12 12K Kinetic Rope 	Ideal for recovering heavier 4WDs (like full-size SUVs or utes) stuck in mud, sand, or snow by using the elastic kinetic energy to pull the vehicle free.

PRODUCT		USE CASE
58X01 3.25t Bow Shackle		Standard duty steel shackle suitable for most 4WD recoveries—used to connect straps, hitches, or ropes to rated recovery points.
58X02 4.75t Bow Shackle		Heavy-duty shackle for high-load recoveries involving large vehicles, trailers, or complex winch setups. Reliable in commercial or extreme conditions.
58X22/A & 58X22/B Steel Recovery Hitch & Shackle Combo		Slotted into a vehicle's rear hitch receiver to provide a strong and safe recovery point for attaching a snatch strap or rope during snatch or winch recoveries.
RBS11 Snatch Block		Increases winch capability by doubling pulling power, reducing the load on the winch, and allowing recovery from various angles when a straight pull isn't possible. Compatible with steel and synthetic ropes.
RRA010 Recovery Ring Aluminium		Used with a soft shackle and winch in a double-line pull to reduce strain and increase pulling power during a heavy vehicle recovery in tough terrain.
RHA010 Recovery Hitch Aluminium		Slotted into a vehicle's rear hitch receiver to provide a strong and safe recovery point for attaching a soft shackle or strap during snatch or winch recoveries.

PRODUCT		USE CASE
RRD010 Recovery Line Damper		Placed over a winch line or snatch strap during recovery to absorb kinetic energy if the line fails, reducing risk of injury or damage.
RGL010010 Recovery Gloves		Protect your hands with our Bushranger Recovery Gloves. Built for durability and comfort, these gloves provide grip and protection when you need it most.

BUSHRANGER PRODUCTS WARRANTY POLICY

1. Our Warranty

We warrant to you that the Bushranger product is free from defects in workmanship and materials for the warranty period.

2. Fitting and use

Please ensure you:

- fit the Bushranger product in accordance with the product information and all relevant vehicle safety and compliance laws
- use the Bushranger product for the purpose for which it was originally designed and in accordance with the product information and all relevant vehicle safety and compliance laws

3. Exclusions

Our warranty doesn't cover:

- normal wear and tear
- fitting the Bushranger product other than in accordance with the product information and any relevant vehicle safety and compliance laws, including incorrect fitting
- using the Bushranger product other than for the purpose for which it was originally designed or other than in accordance with the product information and any relevant vehicle safety and compliance laws, including unusual, improper or negligent use or misuse or overloading
- misuse or neglect of the Bushranger product, including improper repair or maintenance or failing to repair or maintain
- alteration, abuse, acts of nature, terrorism, vandalism, collision, road hazards or adverse conditions

4. Making a claim

Please immediately contact us as soon as you become aware of a possible defect in the Bushranger product. We'll arrange for you to either attend a Bushranger outlet (at your cost) for a Bushranger representative to inspect the Bushranger product (as fitted to your vehicle) or for you to return the Bushranger product to us. We'll also request you to provide the purchase receipt and complete a warranty claim form. In order to ensure our warranty is not voided, please keep the purchase receipt as proof of purchase and don't remove the fitted Bushranger product from your vehicle before contacting us. If your claim's in order, we'll notify you and (at our sole discretion) either repair or replace the defective workmanship or materials (at our cost) or refund to you the purchase price you paid for the defective Bushranger product. If further information or investigation is required or if the claim does not meet the requirements under our warranty, we'll let you know.

5. Australian Consumer Law

The Bushranger product comes with guarantees that can't be excluded under the Australian Customer Law. You're entitled to a replacement or refund if there's a major failure and compensation for any other reasonably foreseeable loss or damage. You're also entitled to have the Bushranger product repaired or replaced if it fails to be of acceptable quality and the failure doesn't amount to a major failure.

6. Other consumer rights

The benefits to you under our warranty are in addition to any other rights and remedies you are entitled to under relevant consumer laws. Our warranty replaces any other warranty given by Bushranger or its supplier in respect of the Bushranger product.

7. Terms

The following terms have the following meanings:

Term	Meaning
Product information	information about the Bushranger product which may be contained in any of the documentation provided with the Bushranger product, including safety instructions, installation instructions, operating instructions, owner's manual, service manual, labels and packaging
Purchase date	the date you purchased the Bushranger product from a Bushranger outlet, as specified in the purchase receipt
Bushranger outlet	an outlet authorised by Bushranger to sell Bushranger products
Bushranger products	products or components which Bushranger manufactures or sells through Bushranger outlets
Warranty period	commences on and from the purchase date and ends as follows: Recovery Gear - 3 Years Recovery Line Damper - 1 Year Recovery Gloves - 1 Year
We/Us	Kingsley Enterprises Pty Ltd (ABN 23 001 592 749) E: sales@bushranger.com.au A: 6A Brooks Road, Ingleburn NSW 2565 P: 1800 654 767 W: www.bushranger.com.au
You	the purchaser of the Bushranger product from a Bushranger outlet

BUSHRANGER
4x4 GEAR

www.bushranger.com.au