FITTING INSTRUCTIONS FOR

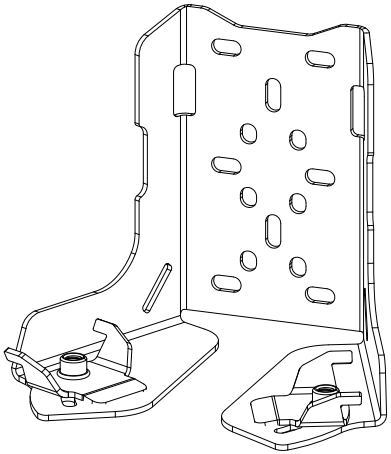
Out-Back Gas Bottle Mount

SKU

KS0403

COMPATIBILITY

Out-Back Spare Tyre Mount



Included contents

QTY	COMPONENT	QTY	COMPONENT
1	Out-Back Gas Bottle Mount	2	M10 x 20 Flanged Hex Bolt
2	Foot Clamp	2	M10 x 30 x 2.5 DIN Flat Washer
2	M10 Knob	1	Cam Lock Strap
8	M8 x 24 x 2.0 DIN Flat Washer		
4	M8 x 20 Hex Bolt		
4	M8 Nyloc Nut		

Also required

QTY	COMPONENT
1	Out-Back Spare Tyre Mount & Strap

Time 5 minutes / A sip of beer!

For further information contact KAON on **07 3180 1470** or **info@kaon.com.au**

8 Quick steps before mounting your LPG bottle.

Regardless of your jurisdiction in Australia, the common themes for storing Dangerous Goods such as LPG on your spare tyre include ensuring the container is adequately restrained, not obstructing vehicle lighting or number plates, and minimising impact risk.

Below we've outlined what you need to do to ensure safety and compliance with Dangerous Goods regulations across all Australian states and territories.

1. Manufacturing Standards

Ensure the container is manufactured to recognised standards and purchased from a reputable source.

It is recommended that your chosen Gas bottle be manufactured to Australian Standards.

2. Check Visibility

Ensure that vehicle lighting, signals and the number plate are not obstructed.

You want to ensure all your driving lights, brake lights, reverse lights, and indicators are visible from behind and beside the rear of your vehicle, and from vehicles that are lower or more elevated than yours. Vehicle registration plates should be visible from 20 metres, at an arc of 45 degrees in both the horizontal and vertical planes.

3. Legal Compliance

Confirm that the container is within the legal bounds of the vehicle.

The Gas Bottle Mount is designed to sit flush with your rear spare tyre, so you can rest assured it is within rearward legal projections. For side overhang, the Load Restraint Guide for Light Vehicles (2018) contains the maximum lengths for projections from a vehicle.

Jurisdiction	Maximum Rear Overhang	Maximum Side Overhang
Australian States and Territories (Except WA)	Either 60% of the wheelbase, or 3700mm – whichever is lesser	150mm from the outermost part of the vehicle on either side. Total width including projection must not exceed 2500mm.
Western Australia	1200mm	

4. Load Restraint

Ensure the load is adequately restrained to withstand forces during normal driving conditions, including heavy braking, cornering, acceleration, and minor collisions.

The steps to securing your mount are included in this fitting guide. During travel, we recommend routinely checking all aspects of your mount is secure, as part of your vehicle maintenance.

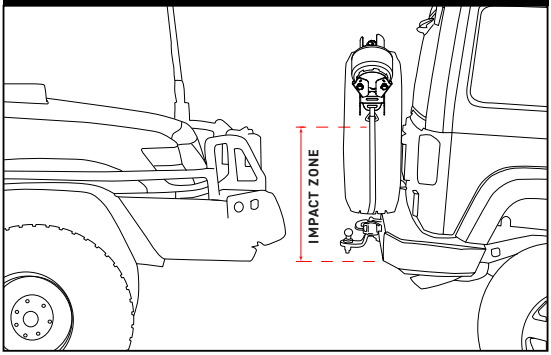
5. Impact Risk Minimisation

Position the container to be as far from potential impact zones as possible.

While we can't easily predict every impact, the most common potential impact is from a typical bonnet or bull bar height of another vehicle.

In the example to the right, the impact zone is indicated in red. In this case, the Out-Back Gas Bottle Mount is positioned high up on the rear spare wheel, to reduce the risk of impact during a collision.

Impact Zone vs Out-Back Mount Position



6. Upright Mounting

Mount the container in an upright position to ensure the release valve works as intended.

The gas bottle must be stored in the correct orientation to ensure safe and proper operation of the tank on your rear spare wheel. To store in the correct orientation, the valve of the gas bottle must always be higher than the level of the liquid inside the bottle. This ensures that when the valve is open only gas is released, rather than liquid, which can adversely affect the operation of appliances connected to it. ***(Refer to the diagram on page 4 for a visual example of the correct mounting position).***

Ensure the valve outlet protective cap is securely fitted when transporting gas.
Never remove any valve protection device during transport.

7. Insurance Verification

For extra assurance, check with the vehicle insurer to ensure coverage for mounting the container in the chosen position in the event of a collision.

Most insurers require that your vehicle's modifications comply with the laws and guidelines of your jurisdiction, as per those laid out in this guide. If you are still concerned, we recommend contacting your insurer.

8. Risk Elimination and Minimisation

Conduct a thorough risk assessment to eliminate or minimise risks associated with mounting LPG.

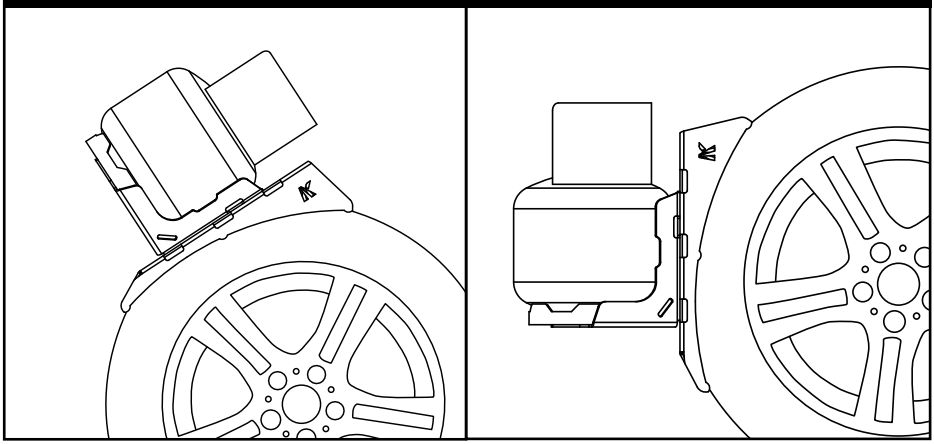
The steps to risk minimisation and elimination are simple: Assess any risks associated with your chosen mounting location. Eliminate the risk where possible. If elimination is not feasible, minimise the risk to the greatest extent practicable.

Mounting your gas safely.

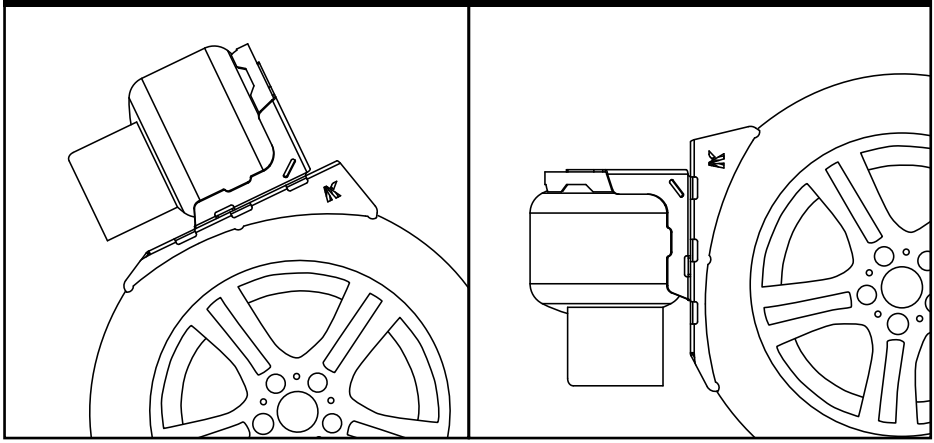
To ensure safe storage on your rear spare wheel, the gas bottle **must** be stored in the correct orientation. To store in the correct orientation, the valve of the gas bottle must always be higher than the base to prevent leakage.

Follow the orientation outlined below for safe storage:

Correct Orientation ✔



Incorrect Orientation ✗



Bolt Torque					
DIAMETER (mm)	5mm	6mm	8mm	10mm	12mm
NEWTON-METRES (Nm)	5 Nm	9 Nm	22 Nm	44 Nm	77 Nm

Let's get to work.

Installation

1. First up is to attach the Gas Bottle Mount to the Spare Tyre Mount. We recommend sitting the mounts up against the tyre to work out what positioning will work best for your setup, ensuring that your rear door or rear bar swingaway are able to open unaffected.
2. Secure the Gas Bottle Mount to the Spare Tyre Mount using the M8 bolts, nuts and washers.
3. Position the Spare Tyre Mount on the tyre, and secure with the provided ratchet strap. We advise ensuring that the hooks are facing outwards with the ratchet at the top of the tyre.





4. Place the Foot Clamps through the gaps in the gas bottle rim as shown.
5. Thread the M10 knobs into the Foot Clamps and tighten until secure.

   If you're heading off-road on some tougher terrain or corrugated tracks, we know that you might want a solution that's a little bit more secure. We've included some M10 bolts and washers in this kit to use instead of the knobs, should you want.
6. Carefully double check clearance between the product and vehicle by gently opening the rear door until it's fully open. **Failure to do this may result in damage to the product and/or vehicle.**
7. That's it, you're ready to hit the road and cook up a storm! The M10 knobs should be secure in most driving conditions, but If you prefer a little added security, we've also provided two additional sets of slots for a cam lock style strap.





FOR THOSE OUTSIDE AUSTRALIAN JURISDICTION:
we strongly advise that you check the laws, rules and regulations for the transportation of gas bottles in your area, prior to installing the Out-Back Gas Bottle Mount.



Local Knowledge & Assistance

We know half the fun of building your dream 4x4 is getting your hands dirty. But we also know that sometimes, things don't go to plan. If in the pursuit to build the ultimate setup you find yourself off-track, we're here to help you get unstuck.

For further information call 07 3180 1470 or email info@kaon.com.au

Disclaimer: The products sold by KAON should not be modified, and are for use only on the vehicles specifically stated. KAON will not be liable for any damages arising out of the use or misuse of it's products. It is the customers responsibility to ensure the products are safely and properly used and installed. KAON consistently seeks to improve it's products and reserves the right to make changes to any product.