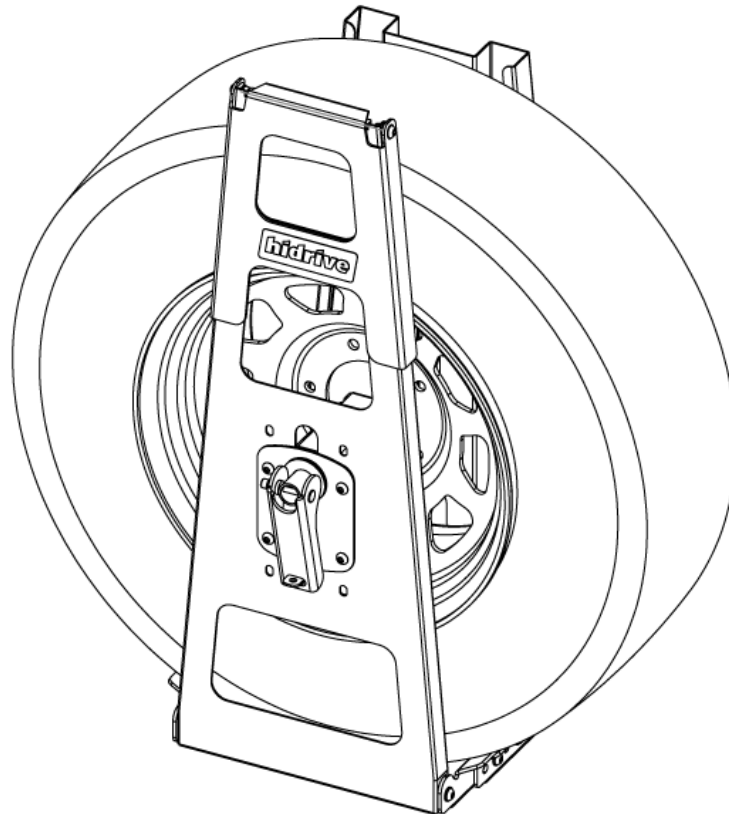




ONE TURN FOLD DOWN SPARE WHEEL CARRIER

# **OPERATOR MANUAL**

HD-OM-2



***Owners & operators please read.  
Retain in vehicle for  
future reference.***

This manual is the property of Hidrive. It is not to be copied without prior written consent.

Revision	Date	Description of changes	Notes
0	Oct 2023	Product launch	
1	Feb 2024	General update to content and formatting	

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## CUSTOMER SERVICE

For all your service and parts needs please contact Hidrive Customer Care:

Call **1300 325 845**

Email [customercare@hidrive.com.au](mailto:customercare@hidrive.com.au)

Our Customer Care team is here to support you to keep your fleet on the road with minimal downtime for years to come.



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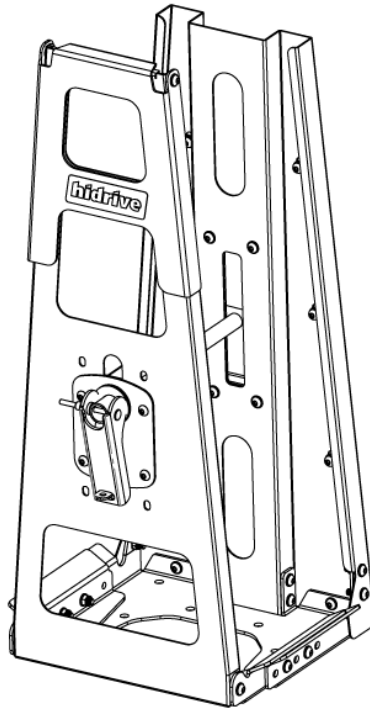
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## APPLICATION

Hidrive's One Turn Fold Down Spare Wheel Carrier (32081003) is designed to be an easy to use and secure alternative to storing and retrieving your vehicle's spare tyre from a raised position.

The Hidrive spare wheel carrier has been designed so that it is adjustable to suit a variety of tyre diameters and widths.

**Outside Diameter range:** 763mm (30") to 889mm (35") diameter



**Width range:** 225mm to 305mm wide

## SAFETY WARNINGS

- Read, understand and retain these instructions for future reference.
- Incorrect use and failure to observe safety warnings may result in serious injury or death.
- The vehicle **MUST** be stationary before use of this product.
- Pinch points may be present in some folding/hinged or sliding components and appropriate care should be taken.
- Ensure that the handle is in the locked vertical position before driving.  
Having the wheel carrier locked with a padlock will ultimately ensure the wheel carrier remains closed.
- Take care when unlocking and opening the spare wheel carrier so as not to allow it to fall open. The spare wheel carrier must be lowered gently. Failure to do so may cause damage to the spare wheel carrier or the vehicle.



These warnings must be read and understood in conjunction with any warnings from the vehicle manufacturer.

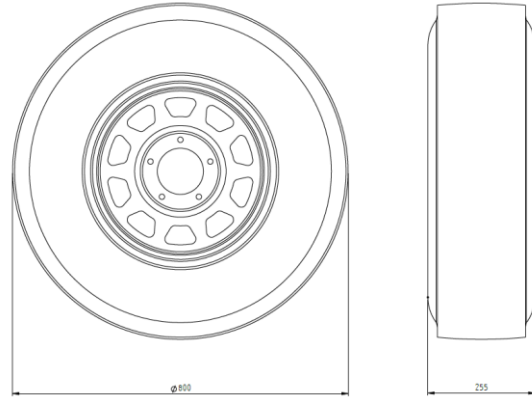
Modifications to this product that are not approved by Hidrive Engineering may affect the safety and integrity of the product and void warranty.

# INSTALLATION

Fitment Time: 45mins

**STEP 1 (Setup)**

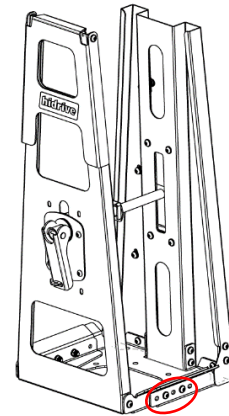
First measure the spare tyre outer diameter and width.

**STEP 2**

Adjusting the base width via the 4 off M8 x 25 button head cap screws located on the base.

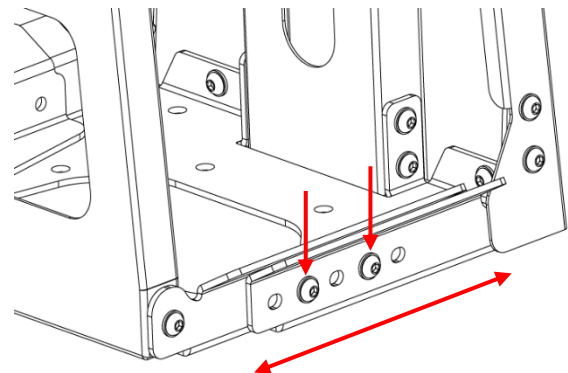
**Tools:**

- 5mm allen key for button head cap screw head
- 13mm socket for nyloc nut

**STEP 3**

Remove these and slide the base to the desired width and then reinsert in alternating holes as shown.

**Ensure M8 button head cap screws are tightened to 25 Nm.**

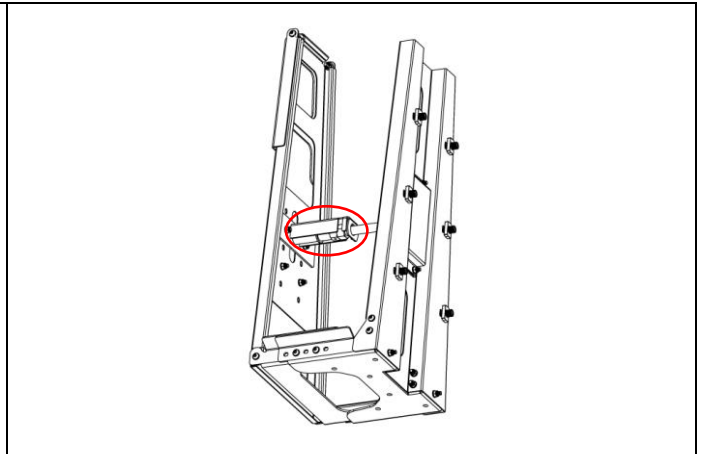


**STEP 4**

Adjust the threaded Locking Rod Assembly to match the new width base. This is firstly performed by undoing the M5 grub screw on the underside of the fixed nut.

**Tools:**

- 2.5mm allen key



**STEP 5**

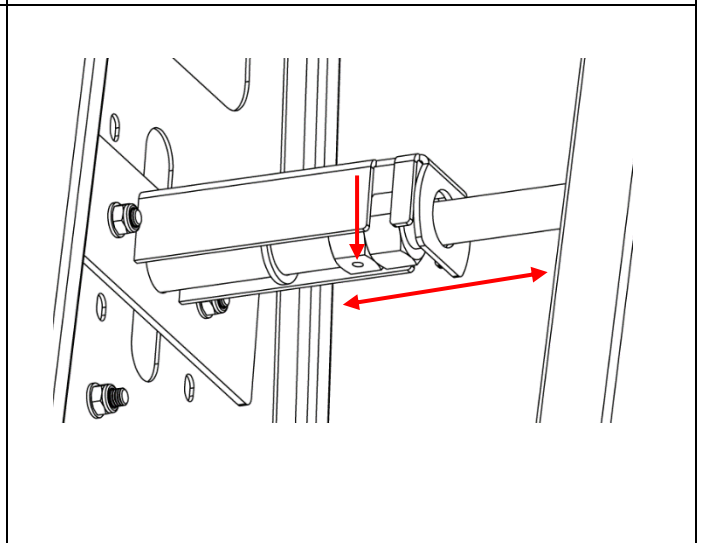
Undo the M20 nut to allow the threaded rod to be adjusted in or out to suit the width of the base. Lock into position with the M20 nut and reinstall the grub screw to fix the Locking Rod Assembly in place.

**Tools:**

- 30mm spanner

**Ensure M20 nut is tight and the M5 grub screw is tightened to 6 Nm.**

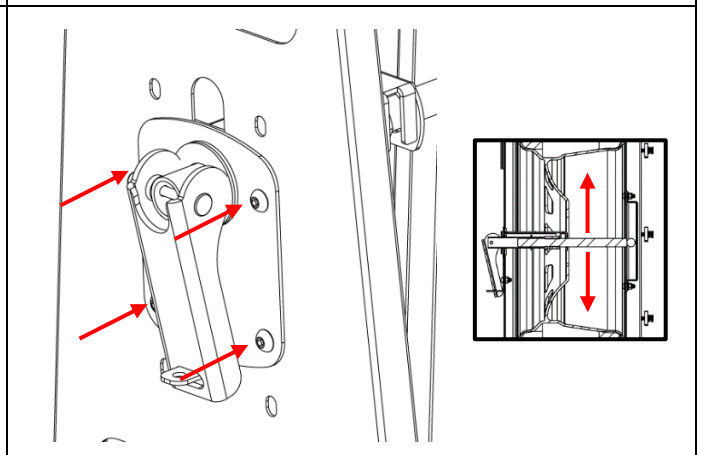
**WARNING: Failure to ensure this hardware is done up tightly may result in the wheel carrier failing.**



**STEP 6**

The Locking Rod Assembly may require the height to be adjusted to ensure centred alignment in the spare tyre.

This is achieved by removing the 4 off M8 x 25mm button head cap screws located on the stainless-steel front panel as shown. Align the Locking Rod Assembly up or down to be as centred as possible in the spare tyre rim. Reinstall M8 x 25mm button head cap screws.

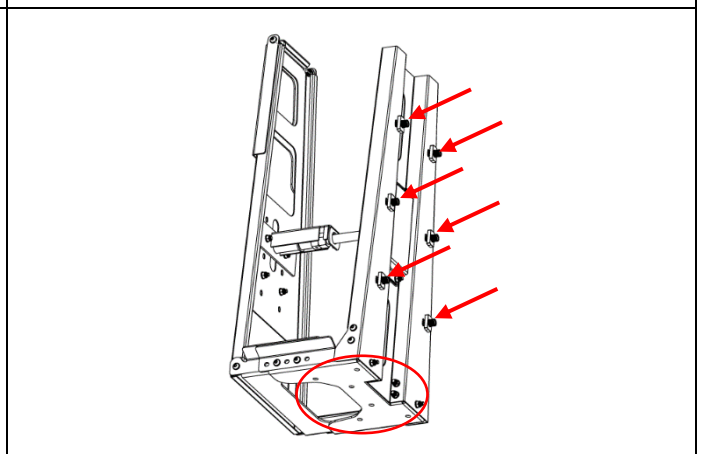


**STEP 7 (Fitting)**

The Fold Down Spare Wheel Carrier has been designed to be secured via 6 off M8 x 25mm button head cap screws into strut spring nuts in the back panel as shown. These locations align with the integrated strut in the walls of a Hidrive service body.

There are an additional six base-mounting positions available if extra fixing is required.

**Ensure all M8 hardware is tightened to 25 Nm.**



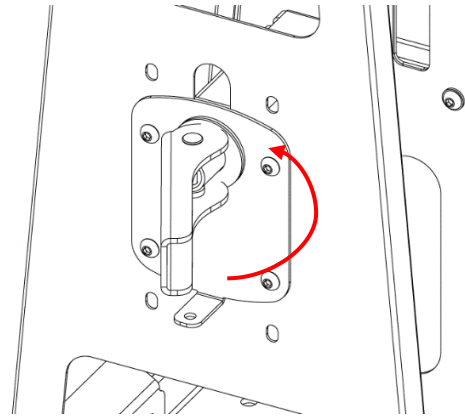
## GENERAL OPERATIONAL PROCEDURE

**STEP 1**

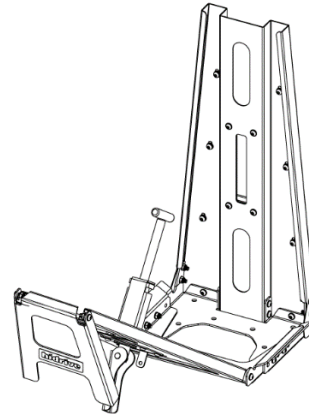
Once the Fold Down Spare Wheel Carrier has been setup and installed, loading is simple.

The vehicle must be stationary and, if possible, on level terrain.

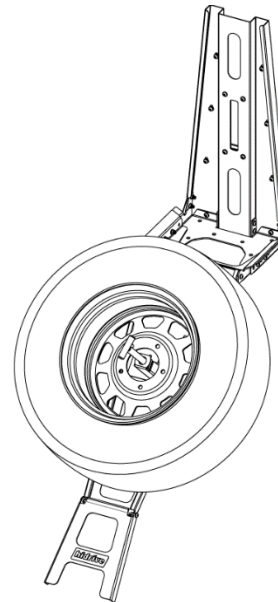
Lift and turn the handle 90 degrees to unlock.

**STEP 2**

Once unlocked, gently lower the front panel while folding out the Support Plate to touch the ground.

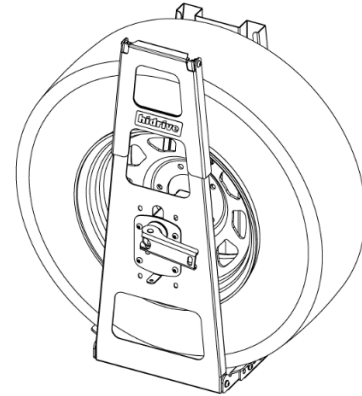
**STEP 4**

Load the spare wheel over the Lock Bar Assembly as shown.



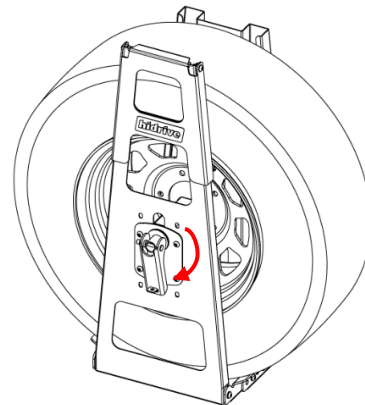
**STEP 4**

Gently lift/pivot the spare wheel in the carrier until the spare wheel sits in the base. Ensure the spare wheel is pushed and touching the back face of the Folding Spare Wheel Carrier.

**STEP 5**

Lock the handle by turning it clockwise 90 degrees with the handle facing down, engaging the T bar in the back panel, then latching over the padlock tab. Note there should be a positive feel as the Locking Rod Assembly engages.

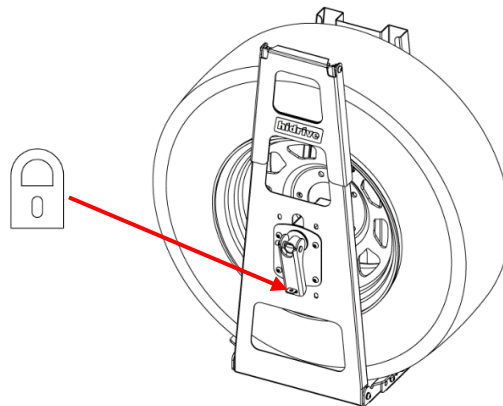
**IMPORTANT:** If the spare wheel is not clamped securely, refer to **STEP 4 & 5** in **INSTALLATION** to adjust the Locking Rod Assembly.

**STEP 6**

Lock the handle in place with a lynch pin or a padlock as shown. This will ensure the wheel carrier will not disengage when travelling.

Unloading of the spare wheel carrier is the opposite procedure to loading.

**WARNING:** Once the spare wheel carrier is unlocked and beginning to open **DO NOT** allow the cradle to drop – gently lower down until the folding upper section touches the ground.





## **MAINTENANCE CHECKS**

### **Pre-Drive Checks**

- a) Check for security/fatigue or tampering before driving vehicle.
- b) Ensure the spare wheel is securely held in the spare wheel carrier – not loose in the carrier. If required, tighten the Locking Bar Assembly.
- c) Ensure the handle is in the locked position.
- d) Ensure padlock or lynch pin is used to secure handle in locked position.

### **Initial Check – Week 1**

- a) Check all hardware, hinges, locks, and mechanical items for security/adjustment.
- b) Check wheel carrier is functioning correctly.
- c) Check mounting/fixing points of external accessories and tighten as required.
- d) Check all hardware, hinges, locks, and mechanical items for security/adjustment.

### **Monthly Checks**

- a) Check all mounting/fixing and connecting points for security/fatigue or tamper.
- b) Check pivot point for security/fatigue or tamper.
- c) Check pivot point is functioning correctly.

**IMPORTANT:** Immediately stop using the wheel carrier if there is damage that affects function or safety.

## **CLEANING**

Washing procedure is the same as for your vehicle paintwork. Refer to your vehicle manufacturer's cleaning instructions.



## NOTES

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