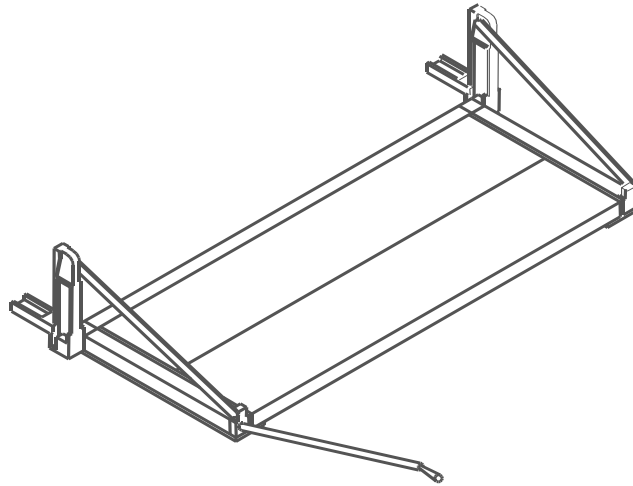


BUILT BY: (HEALY GROUP)  
**LYCOLOADER**

# Tail Gate Loader Operation Manual

REVISION: 3



**IMPORTANT**

Please read Safety Warnings and Warranty Information Prior to Installing  
the LycoLoader on your Vehicle

▶ *Please Store Manual in Vehicle Glove Box* ◀

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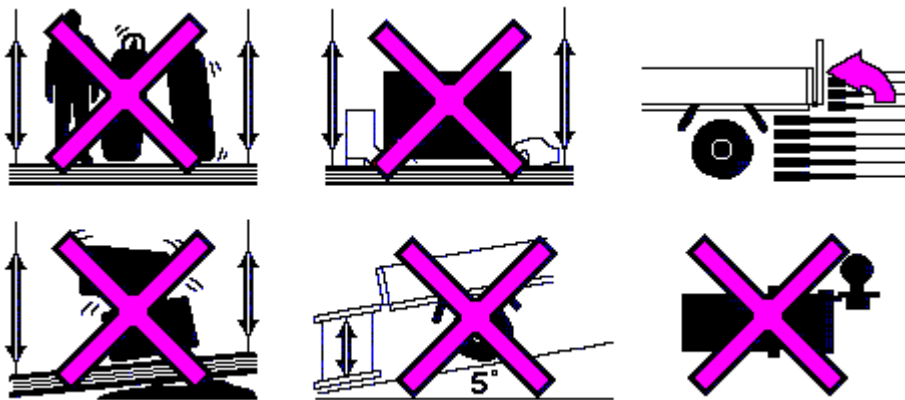
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## 1. GENERAL SAFETY WARNINGS REGARDING FITMENT

- Do not fit the LycoLoader to damaged or structurally unsound tray bodies (e.g. those with corroded floor and/or structural members or damaged or corroded timber floors)
- Do not fit the LycoLoader to tray bodies with longitudinal timber floors unless transverse reinforcement is added beneath the floor to spread the load across the floor boards
- Do not drill above wiring or componentry located directly under the tray body

## 2. GENERAL SAFETY WARNINGS FOR OPERATION



- Do not operate with unstable loads
- Do not operate with live loads
- Do not operate on uneven ground
- Keep hands and feet clear while operating
- Ensure towbar is clear of platform
- Remove handle before moving vehicle
- Stow platform before moving vehicle
- Only qualified persons should operate mechanism
- Do not use external power devices to operate mechanism
- Stop winding the handle when the platform is fully raised

## **Product Warranty.**

Lycos Innovations warrant to the owner of each new product sold that for the specified period commencing from the date of purchase, that at its discretion, Lycos will repair or replace, free of charge, any product or component found to be defective in materials and/or workmanship. The standard product warranty period is for 12 months or 1040 hours of operation, whichever occurs first. Warranty periods different to this are specified on Lycos Innovations sales brochures.

This warranty shall exclude defects occurring through incorrect or inappropriate: storage, transport, non Lycos design, application, use, or, accident, or, wilful damage, or as a result of unauthorised or incompetent servicing by other than Lycos staff or authorised persons.

Notwithstanding any statutory obligations under certain legislation, including the Trade Practices Act prevailing in the state or territory the product was sold, Lycos accepts no liability for any consequential loss or damage due to product failure or late delivery, and limits any liability that it might nevertheless have to a maximum amount being the invoiced price of the product.

To ensure ongoing warranty cover subsequent owners must notify Lycos in writing stating: the product, the serial number and the date of purchase.

**Philip Healy**  
**Managing Director**  
**Healy Group P/L**  
**4/12 Northumberland Rd**  
**Caringbah NSW 2229**  
**Ph: 0295255522**  
**Fax: 0295255513**  
[www.healygroup.com.au](http://www.healygroup.com.au)  
**Email: info@healygroup.com.au**

BUILT BY: (**HEALYGROUP**)

### **3. WARRANTY INFORMATION**

#### **Procedure for Warranty Claims on Lyco Products.**

1. All claims for warranty must be authorised by Lyco Innovations prior to any warranty repairs commencing. Customers wanting to claim warranty must provide the following details in writing: date and proof of purchase (or have returned the “Guarantee Registration Card”) the serial and/or identification number(s) of the product, and, the reason for such claim.
2. A unique warranty number will be issued to the customer or an agent of Lyco’s choice. This warranty number must be clearly labelled on all product returned for warranty assessment. Product received not clearly labelled with the warranty number will be returned direct to the sender.
3. If Lyco accepts the warranty claim, an “Application for Warranty” form will be raised, authorising warranty repairs. The repair time frame will be confirmed at this point. For sub contract repairs, the Application for Warranty form needs to be completed and accompany any invoice for the warranty claim.
4. Lyco will pay the cost of parts and/or reasonable costs of labour actually incurred in repairing the faulty component(s) by the customer or an agent. Usually Lyco will supply any replacement parts from its own stock. Warranty repairs will be completed to Lyco Innovations satisfaction.
5. Non-warranty work will be repaired and charged out at commercial rates.
6. Freight and postage incurred to complete warranty claims is the responsibility of the customer. Freight should be with Lyco Innovations nominated carrier, as Lyco will only reimburse freight costs incurred with Lycos nominated carrier.
7. Travelling for warranty work is the responsibility of the customer. In its absolute discretion Lyco may pay travelling costs associated with the warranty claim. No labour will be paid for the time that travelling is claimed.
8. Warranty claims for products damaged in freight will not be accepted. The risk for damage, loss or delays in freight is the sole responsibility of the buyer. This is detailed in section 5.1 of the “Terms and Conditions of Sale” document (Credit Application). The only exception to this is where insurance has been taken out and paid for by the buyer, or, other written arrangements have been agreed with Lyco Innovations at time of order.

Note: Insurance is available from Lyco at 1.0% of invoice value, which covers replacement of damaged items.

**Replaced parts and components are the property of Lyco Parts & Service Division. Replaced parts are to be returned to Lyco as directed on the Application for Warranty form.**

## **4. A NOTE TO OWNERS**

Please take time to fill in the warranty card and return it to Healy Group Pty. Ltd. At the address shown on the front of card.

## **5. PATENT INFORMATION**

INT.PAT.APP

PCT/AU97/00096

Manufactured by: Healy Group PTY LTD  
A.B.N 13 092 062 372  
4/12 Northumberland Rd  
Caringbah NSW 2229  
☎ 02 95255522  
Fax 02 95255513

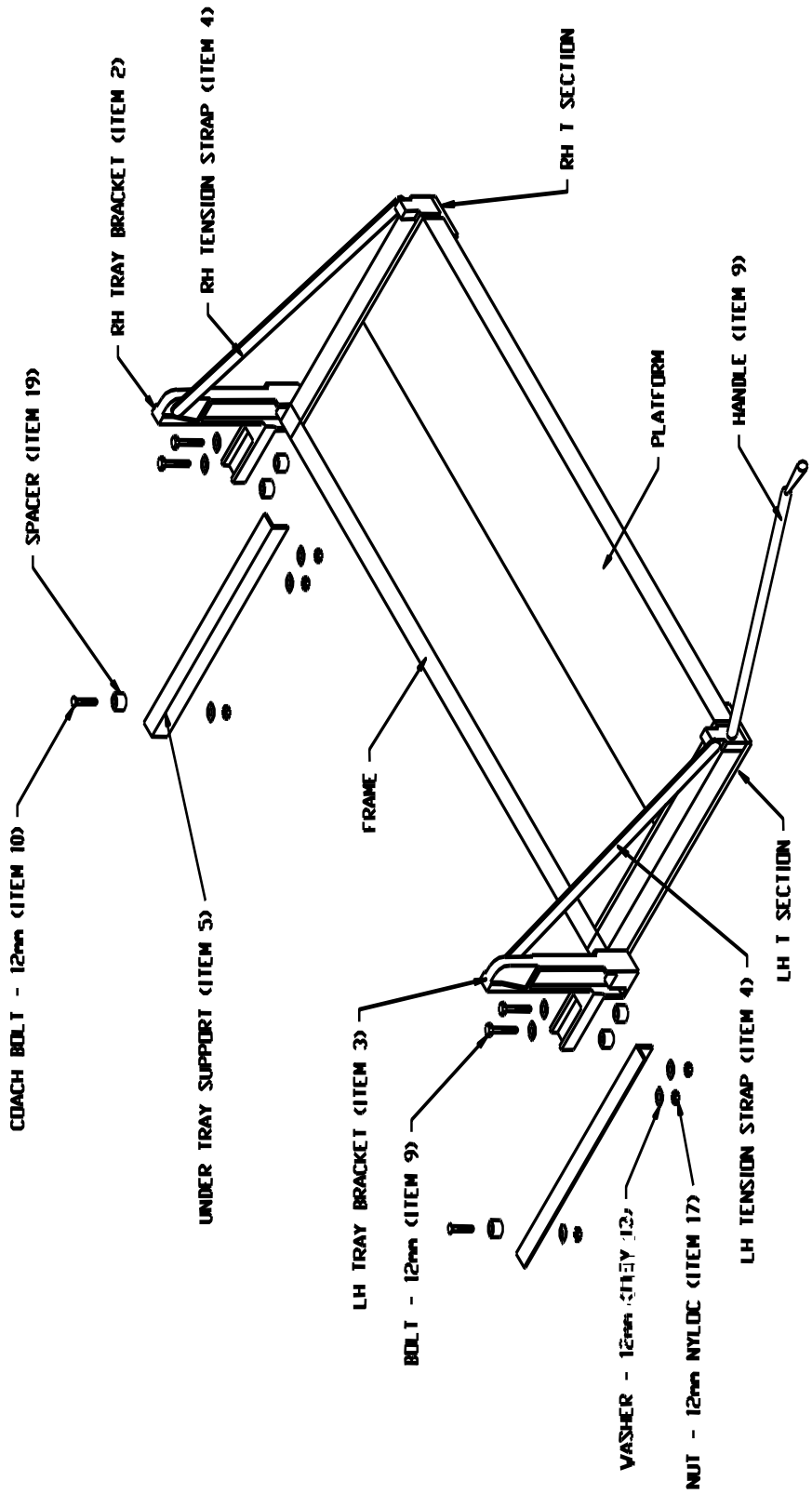


Figure 1 - LycoLoader Assembly Drawing



## **6. DESCRIPTION**

The LycoLoader is a lifting aid designed to fit to flat tray vehicles. It is a manually operated lifting device designed to lift a maximum safe working load ( S.W.L. ) of 300kg (660lb). The device operates using a brake and clutch mechanism. **Special care should be taken while operating the device, see Safety Warnings for full details.**

## **7. PARTS**

### **7.1 PARTS SUPPLIED FOR INSTALLATION**

| <b>ITEM*</b> | <b>DESCRIPTION</b>                         | <b>QTY</b> |
|--------------|--|------------|
| 1            | General Assembly                           | 1          |
| 2            | Tray Bracket - Right Hand                  | 1          |
| 3            | Tray Bracket - Left Hand                   | 1          |
| 4            | Tension Straps                             | 2          |
| 5            | Under Tray Supports (angle reinforcements) | 2          |
| 6            | Mounting Plate (side spacer plates)        | 2          |
| 7            | Clasp                                      | 2          |
| 8            | Handle                                     | 1          |
| 9            | Bolt - 12mm x 75mm Long                    | 4          |
| 10           | Bolt - 12mm x 65mm Long Coach Bolt         | 2          |
| 11           | Bolt - 10mm x 50mm Long                    | 2          |
| 12           | Bolt - 8mm x 25mm Long                     | 4          |
| 13           | Washer - 12mm Flat Zinc Plated             | 10         |
| 14           | Washer - 10mm Flat Zinc Plated             | 4          |
| 15           | Washer - 8mm Flat Zinc Plated              | 4          |
| 16           | Washer - 8mm Split Zinc Plated             | 4          |
| 17           | Nut - 12mm Nyloc                           | 6          |
| 18           | Nut - 10mm Nyloc                           | 2          |
| 19           | Spacers                                    | 6          |

**Table 1 - Complete Parts List**

\* Refer to Figure 1 on Page 8 for further details.

## **7.2 PARTS SUPPLIED FOR OPERATION**

| ITEM | DESCRIPTION                          | QTY |
|------|--------------------------------------|-----|
| 1    | General Assembly (fitted to vehicle) | 1   |
| 8    | Handle                               | 1   |
|      |                                      |     |

Table 2 - Parts Required for Operation

Please Contact the Healy Group if any of the Parts are missing.

Healy Group Service & Parts :

☎ 02 95255522

Fax 02 95255513

Email [info@healygroup.com.au](mailto:info@healygroup.com.au)

## **8. SAFETY DEVICES**

The LycoLoader has been designed to prevent overloading of the device. **THE TRIANGLE TIP OF THE HANDLE WILL SHEAR IF THE LYCOLOADER IS OVERLOADED.** If the handle of your Loader does break, a replacement handle can be purchased from the parts department of your local reseller or Lyco Parts and Service. (Quote part No. -LL-Handle).

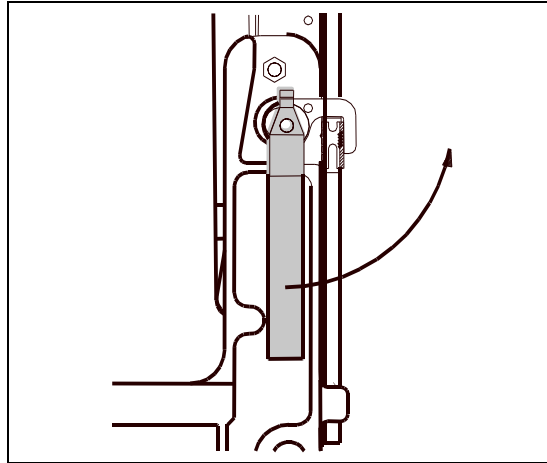
## **9. OPERATOR QUALIFICATIONS**

**The LycoLoader must be operated by mechanically competent persons only.** Operators must fully read the Operating and Safety Instructions **BEFORE** use. The operator should be qualified to drive the vehicle on which the LycoLoader has been fitted. Ensure the handle is stored in a secure location when not in use to prevent unauthorised use of the LycoLoader.

## **10. HOW TO OPERATE**

### **10.1 UNFOLDING THE PLATFORM**

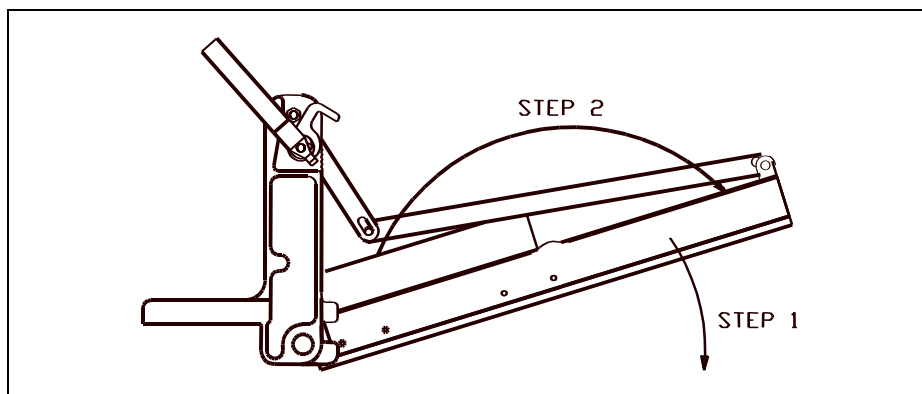
Rotate the Catch Handle as shown in Figure 2 below. Move to the other side of the vehicle and place one hand on the upright T Section of the LycoLoader. Rotate the remaining Catch Handle.



**Figure 2 - Releasing the Catch Handle**

Gently lower the Platform of the LycoLoader, as shown in Figure 3 below, by firmly holding on to the T Section. This will leave the platform in the horizontal position.

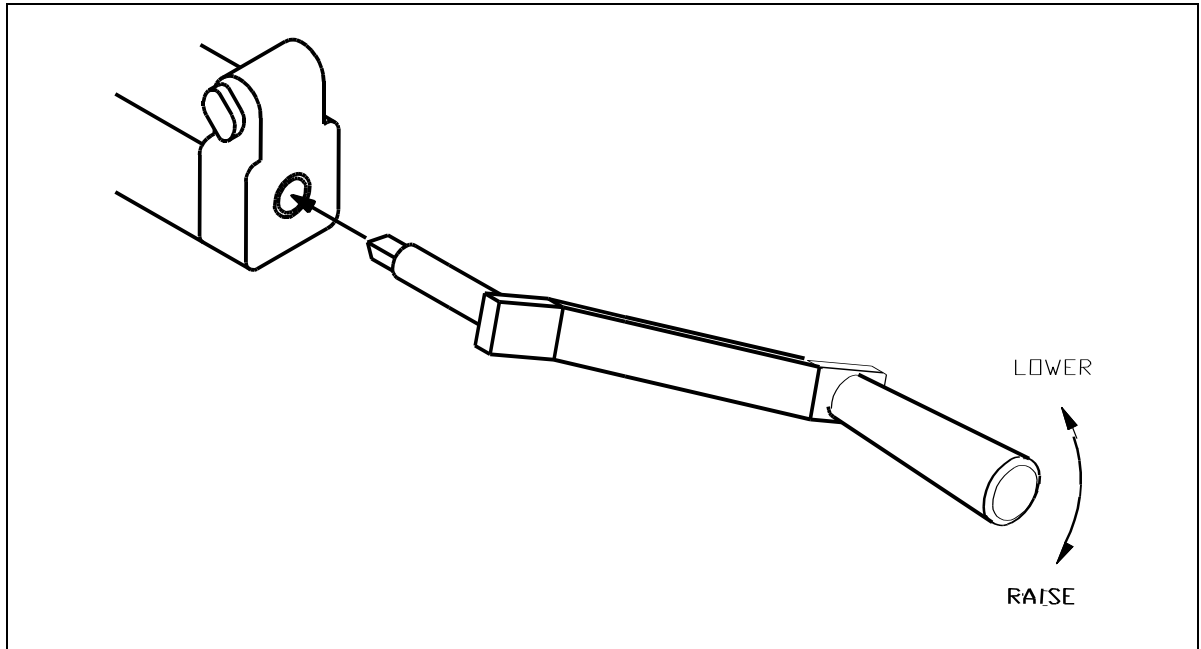
**K** Do not attempt to raise or lower the tailgate holding onto the top section of the platform only, as it is hinged relative to the bottom section.



**Figure 3 - Lowering the Platform**

## **10.2 RAISING & LOWERING THE PLATFORM**

Once the platform assembly has been lowered into the horizontal position and unfolded, see *Section 10.1 "Unfolding the Platform"*, it can be lowered and raised. Firstly insert the handle into the left hand side of the platform assembly, see Figure 4 below, until its triangular end engages the triangular recess of the winding mechanism (inside the box section).



**Figure 4 - Inserting the Handle**

The LycoLoader is now ready for operation. To lower the platform turn the handle in a counter clockwise direction. Conversely, to raise the platform turn the handle in a clockwise direction. The platform can be stopped at a time while the platform is being raised or lowered and the handle can be removed if necessary. The internal brake / clutch mechanism will prevent the platform from moving. Simply turn the handle to continue operation. Note: Refer to *Sections 1 & 2 - "Safety Warnings"* for maximum loads and operating conditions.

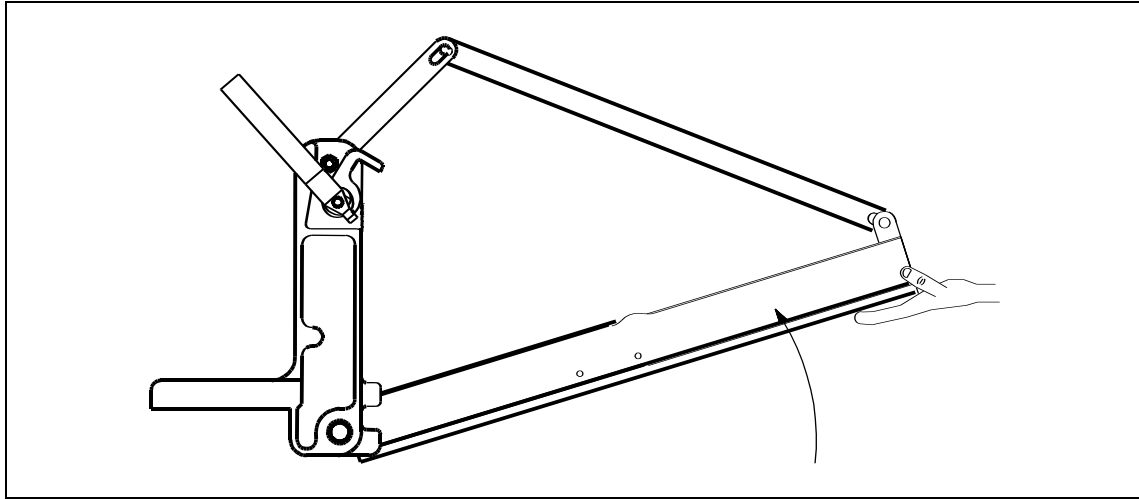
Before operating the LycoLoader the following precautions must be taken:

1. The load must be placed securely on the LycoLoader platform **clear of the box section frame surrounding the platform.**
2. Tall or unstable loads (such as gas bottles, etc.) must not be lifted or lowered using the LycoLoader unless they are firstly secured in a stable frame.
3. The LycoLoader must not be used for lifting people.
4. When operating the LycoLoader ensure that all hands and feet are clear of the loading platform when it is being raised or lowered.
5. Before lowering the LycoLoader platform, ensure there are no obstacles between the platform and the ground that are likely to cause the platform to catch or tip. WARNING: The LycoLoader must not be used on vehicles fitted with a towbar unless:
  - (a) The towbar towing hitch does not protrude past the end of the tray body, or
  - (b) The towbar has a removable hitch box that when removed results in the towbar not protruding past the edge of the tray body. **NOTE: THE HITCH BOX MUST BE REMOVED BEFORE USING THE LYCOLOADER**
6. The LycoLoader platform is not to be lowered onto uneven ground unless measures are taken to first create a level base for the platform to rest on.
7. The LycoLoader platform is not to be lowered onto ground sloping more than 5° from the horizontal unless measures are taken to create a level base for the platform to rest on.

## **10.3 HANGING THE PLATFORM VERTICALLY DOWN**

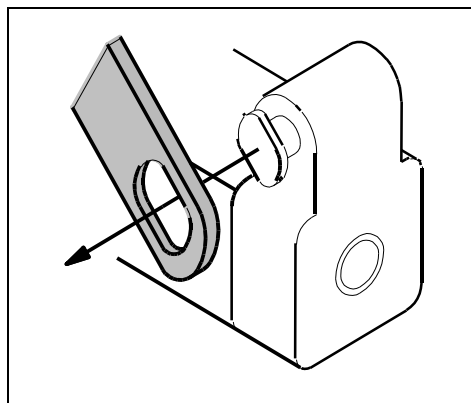
The LycoLoader has been designed to allow the platform to hang down vertically to enable the utility to be reversed right up to loading ramps and platforms. To lower the platform to the vertical position, firstly raise the platform, as shown in Figure 5 below, making sure to lift it by the T Section and not by the hinged portion of the platform. Note, the tension strap must be lifted while the platform is being raised to allow the slot in the tension strap to align with the head of the T-Bolt.

Ensure the platform is unfolded before lowering to the vertical position.



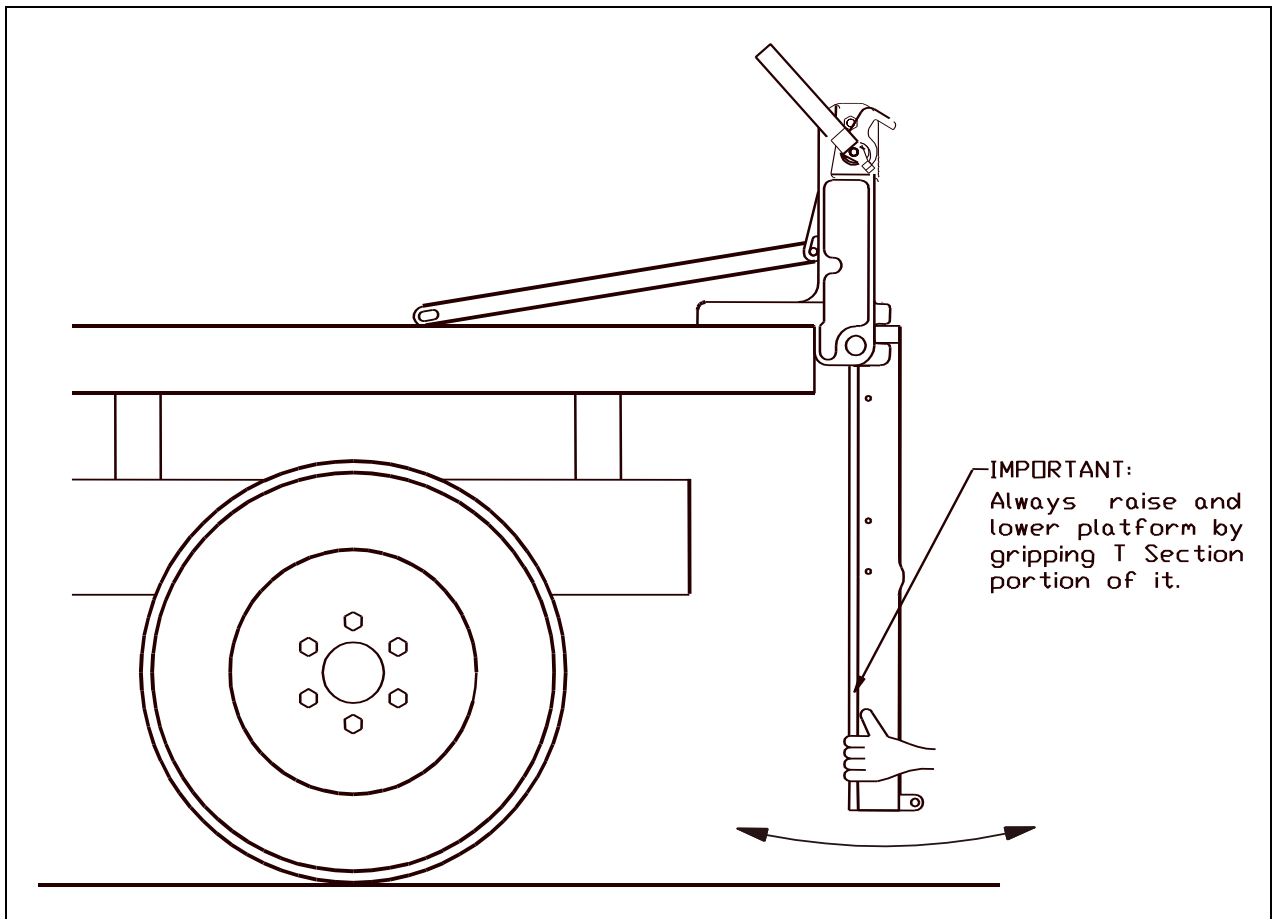
**Figure 5 - Removing the Link from the Platform**

Now the tension strap can be removed from the platform. To remove the strap, slide it off the T-Bolt, as shown in Figure 6 below.



**Figure 6 - Removing the Tension Strap**

Repeat this procedure for both tension straps. Note, when removing the second strap you must **hold the platform by the T Section** to stop it from dropping down. Now the platform can be lowered to the vertical position, as shown in Figure 7 below.



**Figure 7 - Platform in Vertical Position**

⇒ Do not travel with the platform in the vertically downward position. Always lock the platform in its upright (folded) position before moving the vehicle.

Reverse this above procedure when returning the platform to its operating position, making sure to support the platform by its T Section when lifting it back to its horizontal position.

⇒ Also ensure that **both** tension straps are properly attached to the box section T-Bolts prior to operating the LycoLoader.

# **11. MAINTENANCE ROUTINE**

The LycoLoader should be checked regularly to ensure effective and safe operation. Before each use check the following areas:-

- Cable for Deterioration
- Mechanism for Noise e.g. Major Chain Rattle  
Cables Rubbing  
Brake for Noise

Should the platform begin to slip or creep when loaded, please contact Healy Group without delay. ☎ 02 95255522 Fax 02 95255513 Email [info@healygroup.com.au](mailto:info@healygroup.com.au)

## Cleaning:

Use only mild detergents such as car or truck wash. Do not use any solvents or abrasive cleaning products to clean the LycoLoader. These products may remove or smudge the safety warnings.

## Lubrication of the LycoLoader Chain and fixed sprocket shaft (every 6 months or as required):

To gain access to the chain area, remove the corner block caps by gently prising off with a screwdriver.

1. Insert the tubular nozzle of an aerosol lubricant (such as Loctite Anti-Seize or similar rust release lubricant) and lubricate chain while the LycoLoader is cycling for two complete cycles, repeat for other hole. This is a two-person operation.
2. Cycle LycoLoader until operation is smooth. Repeat both sides.
3. Replace corner block caps (it may be necessary to use a little adhesive/sealant to secure the caps).
4. Fold the LycoLoader into the stored position.
5. Some lubricant may leak out of the frame over the next hour or so. This lubricant needs to be wiped up before it dries or staining of the extrusion may occur.
6. Clean fixed sprocket shaft thread and apply anti seize or similar to thread.



## **12. SERVICING**

### **12.1 SERVICE ROUTINE**

Servicing of the LycoLoader must be done by a competent tradesperson or other authorised service agents only. Failure to comply with this will void the Warranty. Servicing is required every 12 months (or 1500 cycles) whichever ever occurs first, to ensure safe and effective operation. The following Table outlines the Maintenance Operations required and the Intervals at which they should be carried out.

| Maintenance Operation   | Maintenance Interval (Months/Cycles) |              |              |
|-------------------------|--------------------------------------|--------------|--------------|
|                         | 12<br>(1500)                         | 24<br>(3000) | 36<br>(4500) |
| Inspect Brake Pad       | •                                    | •            | •            |
| Inspect Steel Cables    | •                                    | •            | •            |
| Inspect Chain           | •                                    | •            | •            |
| Inspect Pulleys         | •                                    | •            | •            |
| Inspect Platform Screws | •                                    | •            | •            |
| Replace Cables (i)      |                                      | •            |              |
| Replace Clutch          |                                      |              | •            |
| Replace Pads            |                                      | •            |              |

**Table 3 - Maintenance Schedules**

(i) - Cables should be replaced after 24 months, 2000 cycles or if damage or wear occurs.

Note: Periodic maintenance beyond the last period shown on the table is still required.

## **12.2 SERVICE LOG**

| <b>Maintenance Interval</b> | <b>Date</b> | <b>Dealer Stamp</b> |
|-----------------------------|-------------|---------------------|
| Purchase Date               |             |                     |
| 12 months                   |             |                     |
| 24 months                   |             |                     |
| 36 months                   |             |                     |
| 48 months                   |             |                     |
| 60 months                   |             |                     |
| 72 months                   |             |                     |
| 84 months                   |             |                     |
|                             |             |                     |
|                             |             |                     |
|                             |             |                     |
|                             |             |                     |

**Table 4 - Service Log**

## **12.3 SERVICE CONTACTS**

### **12.3.1 GENERAL INFORMATION**

While under Warranty all servicing must only be done by the Service Department or other authorised service agent. When contacting the service agent have your Name, Date of Purchase, and Serial Number ready. Contact your Local Dealer for Service Information.

**Phone: 02 95255522**

**Fax: 02 95255513**

**Email: [info@healygroup.com.au](mailto:info@healygroup.com.au)**

**Web: [www.healygroup.com.au/lycoloader](http://www.healygroup.com.au/lycoloader)**

## **13. SPECIFICATIONS**

|                             | <b>METRIC</b>  | <b>IMPERIAL</b>    |
|-----------------------------|----------------|--------------------|
| <b>MAXIMUM LOAD (S.W.L)</b> | <b>300 kg</b>  | <b>660 lb</b>      |
| <b>PLATFORM WIDTH</b>       | <b>1460 mm</b> | <b>57.5 inches</b> |
| <b>OVERALL WIDTH</b>        | <b>1695 mm</b> | <b>67 inches</b>   |
| <b>PLATFORM DEPTH</b>       | <b>590 mm</b>  | <b>23 inches</b>   |
| <b>MAX. TRAY HEIGHT</b>     | <b>1135 mm</b> | <b>45 inches</b>   |
| <b>UNLOADED WEIGHT</b>      | <b>55 kg</b>   | <b>121 lb</b>      |

**Table 5 - LycoLoader Specifications**

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**(H)**