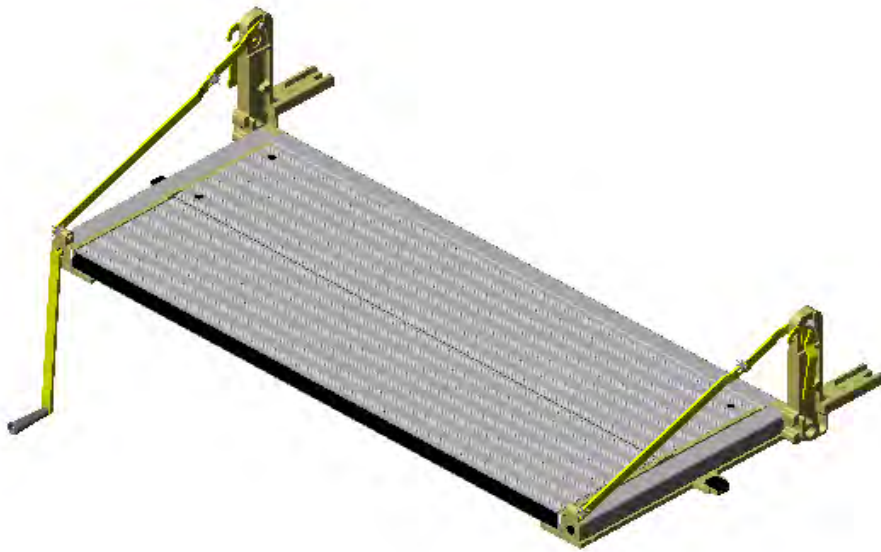


# LYCOLOADER

# Service Manual



Important

Please read safety and  
Warranty Information

Prior to Installing  
the LycoLoader on your  
Vehicle

Date: 1<sup>st</sup> July 2009

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BUILT BY: **(HEALYGROUP)**

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1. GENERAL LAYOUT

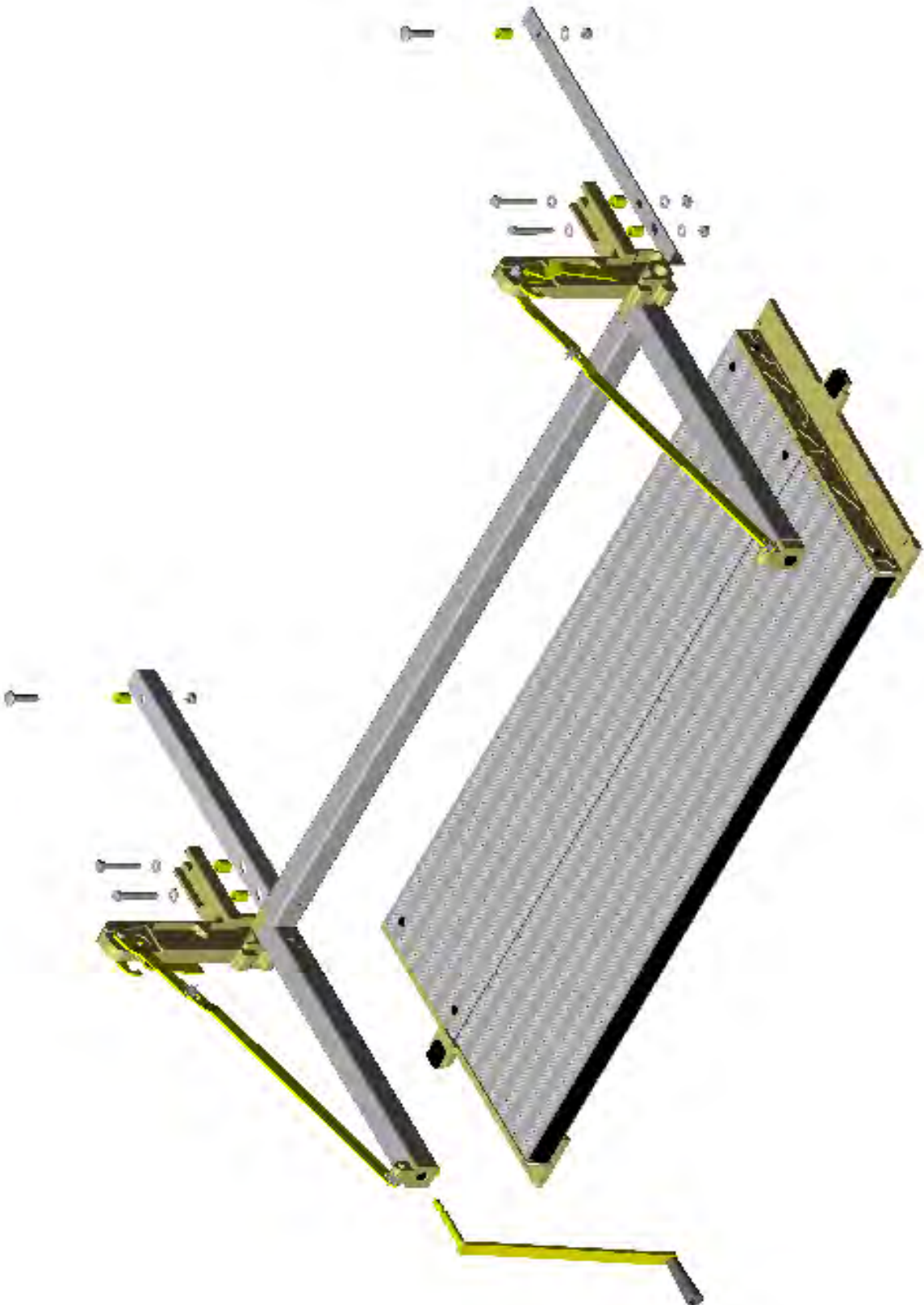


Figure 1 - General Layout of the LycoLoader

## 2. OPERATION

The LycoLoader is a lifting aid designed to be fitted to flat tray vehicles. It is a manually operated lifting device designed to lift a maximum safe working load (SWL) of 300kg (660lb). The device operates using a brake and clutch mechanism.

## 3. TROUBLESHOOTING GUIDE

The following table matches symptoms with probable causes to aid in resolving the fault at hand. This is not intended to be an exhaustive list, but more as a guide to the best starting point for service.

SYMPTOM	PROBABLE CAUSE	REFER TO SECTION
<b>Customer complaint – After some period of trouble-free use</b>		
Latches not holding firm	<ul style="list-style-type: none"> <li>◆ Latches have been stretched from misuse or forcing</li> <li>◆ Tray brackets are not rigidly fixed to the tray</li> </ul>	◆ Section 8.5
Cables frayed or broken	◆ Cables are worn or damaged and are due to be changed – this is required every 2 years or 2000 cycles or when damage has occurred.	◆ Section 8.6
Brake not working / slipping	◆ Clutch assembly is defective and needs to be replaced.	◆ Section 8.3
Brake Noise	◆ Unit has been operated continuously with high load and at high temperature. Replace clutch assembly and brake pads.	◆ Sections 5.2.4 and 8.3.
When the handle is turned nothing happens	<ul style="list-style-type: none"> <li>◆ The handle has broken</li> <li>◆ Either the chain or fixed sprocket assembly has failed</li> </ul>	<ul style="list-style-type: none"> <li>◆ New handle required – Section 8.2</li> <li>◆ Inspect as per Section 7.2</li> </ul>
Broken Handle	◆ Overloading or misuse of LycoLoader	◆ New handle required – Section 8.2
Platform Drops to Ground Suddenly	◆ Brake nut seized to fixed sprocket shaft. Apply anti seize to fixed sprocket shaft	◆ <b>Refer Section ???</b>
<b>Fault with new unit or not working when assembled after service work</b>		
Platform moves in jerks	◆ Cables overlapped or twisted – most commonly around the drive shaft.	◆ 6.1 and 6.2 – as required. NB if the cable is only twisted around the drive shaft, then it is not necessary to remove the frame from the vehicle.
Platform sits unevenly	◆ Cables overlapped or twisted.	◆ 6.1 and 6.2 – as required
Platform only winds part way down	◆ Cables overlapped	◆ 6.1 and 6.2 – as required

Handle is difficult to turn.	◆ Too much load	◆ Reduce load to a maximum of 300 kg
Handle "locks" when turning in the clockwise direction.	◆ Clutch mechanism is in the wrong way	◆ Section 8.3
Platform creeps down.	◆ Clutch mechanism is in the wrong way ◆ No brake pads	◆ Section 8.3 ◆ Section 8.3

**Table 1 – Trouble-Shooting Table**

## **4. TOOLS REQUIRED FOR SERVICING**

The following tools may be required for servicing of the LycoLoader:

- Hammer
- Circlip Pliers
- 4mm Allen Key
- 5mm Allen Key
- Flat Screw Driver (approx. 6mm)
- Needle Nose Pliers
- Socket Set including 19mm, 18mm, 16mm, 14mm, 13mm Sockets
- Ring Spanner Set including 19mm, 18mm, 16mm, 14mm Spanners
- Loctite 454 adhesive (or equivalent instant adhesive gel)
- Loctite 771 Anti Seize (or equivalent nickel based anti seize)
- Castrol APX T Grease (or equivalent lithium complex grease)

## 5. SPARE PARTS LIST

### 5.1 SPARE PARTS KIT

The following Parts are supplied as Kits for the LycoLoader:

ITEM & ESTIMATE FITTING TIME (*)	PART No.	CONTENTS	QTY
Drive End Corner Block Kit 60 minutes	104261	Corner Block	1
		Drive Nut	1
		Idler Shaft	1
		Fixed Sprocket Assembly	1
		Bearing	3
		Sprocket	1
		Locking Blocks c/w Grub Screw	2
		Circlip	2
Handle Assembly 0 minutes	-LL-Handle	Handle Assembly	1
Brake / Clutch Assembly 15 minutes	104260	Brake Pad	2
		Clutch Assembly	1
Tension Link Assembly 10 minutes	100043	Tension Link Assembly	1
Latch Repair Kit 15 minutes	102139	Latch	1
		Cam Washer	1
		Star Lock Washer	1
		Rubber Buffer	1
Cable / Chain Assembly 60 minutes	100008	Chain & Cable Assembly	1
		Idle Sprocket	1
		Circlip	2
		Pulley / Bearing Assembly	6
Fastener Kit Variable	104282	Top Link Bolt, Nut and Washers	2
		Side Panel Bolts and Washers	4
		Tray Bracket Bolt, Nut & Washer	4
		Star-lock Washer	2
Rubber Kit Variable	104262	Hinge Rubber	1
		End Block Bush – Inner	1
		Edge Rubber	1
		Tray Bracket Bush	2
		End Block Bush – Outer	1
		Rubber Buffer	2
		Anchor Clips	4
		Xmas Tree Clips	4
Pulley Repair Kit 60 minutes	PZQ87A1010	Pulley	6
		Bearing	6
		Circlip	2

**Table 2 - Spare Part Kits**

(\*) NB: time is estimated based on trade-person with LycoLoader experience.



## **5.2 SPARE PARTS**

The following parts are supplied as Spares for the LycoLoader

<b>ITEM</b>	<b>LYCO PART No.</b>	<b>CONTENTS</b>
Bearings	100023	BEARING - 6001-2RS
Platform Cap	100111	CAP - PLATFORM DIECAST 313 ALUM.
Chain Guide	100027	CHAIN GUIDE – SINTERED
Circlip for Idler Shaft	100029	CIRCLIP - 12mm EXTERNAL
Corner Block	100110	CORNER BLOCK - DIECAST 313 ALUM.
Fixed Platform	106646	EXTRUSION - ALUM. 1448mm LONG
Hinged Platform	100081	EXTRUSION - ALUM. 1434mm LONG
Idler Shaft	100033	SHAFT - 12mm CHROME x 200mm LONG
Drive Shaft Nut	100036	NUT - DRIVE NUT SINTERED STAINLESS
Rubber Hinge	100038	HINGE – RUBBER
Drive Side End Block Assembly	100012	END BLOCK ASSEMBLY INCLUDING TBOLT AND BUSHES
Idler Side End Block Assembly	100010	END BLOCK ASSEMBLY INCLUDING TBOLT AND PLUG
Corner Block Cap	100112	CAP – CORNER BLOCK DIECAST ALUM
T-Section – Left Hand	100108	T-SECTION - LH DIECAST 313 ALUM.
T-Section – Right Hand	100107	T-SECTION - RH DIECAST 313 ALUM.
Plastic Handle	100044	HANDLE – PLASTIC
Side Member - Left Hand	100048	RHS - 50.8x50.8x2.0 x 590 LONG
Side Member - Right Hand	100049	RHS - 50.8x50.8x2.0 x 590 LONG
Rear Member	100050	RHS - 50.8x50.8x2.0 x 1600 LONG
Platform Screws	100051	SCREW - PLATFORM RETAINING
Tray Bracket	100055	TRAY BRACKET - DIECAST 313 ALUM.
Latch Handle	100063	LATCH - CATCH HANDLE

**Table 3 - Spare Parts List**

## **5.2 PARTS SPECIFICATIONS**

### **5.2.1 GRUB SCREWS**

The Grub Screws located in the Locking Block should be tightened to a torque of **25-30 Nm**.

### **5.2.2 PLATFORM SCREWS**

The screws joining the T-Sections to the Platform should be tightened to torque of **30-35 Nm**.

### **5.2.3 BRAKE NUTS**

The Brake Nuts should be flat and free from any defects, such as scratches, cracks or scores.

#### **5.2.4 BRAKE PADS**

The Brake Pads should conform to the specifications listed below, as well as showing no signs of cracking or deformation.

**Outside Diameter** - 42 mm      **MINIMUM**  
**Inside Diameter** - 13.0 mm      **MAXIMUM**  
**Thickness** - 4.5 mm      **MINIMUM**

HINT: If the brake pads have a glazed appearance it is possible that they may have been overheated at some stage. This can result in brake noise. The glazed surface can be simply removed with a medium to course grade sandpaper such as grade 120 grit.

#### **5.2.5 CLUTCH ASSEMBLY**

The Clutch Assembly should rotate in one direction only. The Clutch surfaces should be smooth and free from defects, such as scratches, cracks or scores. The Clutch surface should be flat.

#### **5.2.6 STEEL CABLES**

The Steel Cables should have no broken strands, including the point at which it is swaged into the end button.

#### **5.2.7 PULLEYS**

The pulleys should have a minimum groove diameter of **32.0 mm**.

#### **5.2.8 STARLOCK WASHERS**

The Starlock Washers should be pressed onto the shaft of the latch handle. The washer should sit flat against the tray bracket. The handle should be free to rotate.

#### **5.2.9 TENSION LINK BOLT**

The tension link bolt should not show excessive wear on the shank. The nyloc nut should be done up firm, while still allowing the tension link to rotate freely.

#### **5.2.10 IDLE SHAFT CIRCLIP**

The Idle Shaft Circlip should be correctly seated into the groove on the idle shaft. It should not be over stretched – over stretching will result in reduced clamping force.

#### **5.2.11 BEARINGS**

The bearings should be free to rotate with no „gritty“ feeling. The seals of the bearings should be in good condition.

### **5.2.12 FIXED SPROCKET SHAFT ASSEMBLY**

The thread of the fixed sprocket shaft shall be free of grit. It should be free of damage or excessive wear (that is a reduced diameter of the thread peaks in the region where the drive nuts operate). The nut should run smoothly on the shaft. The start of the thread should not be damaged. The thread should be lubricated with either Anti Seize prior to reinstalling.

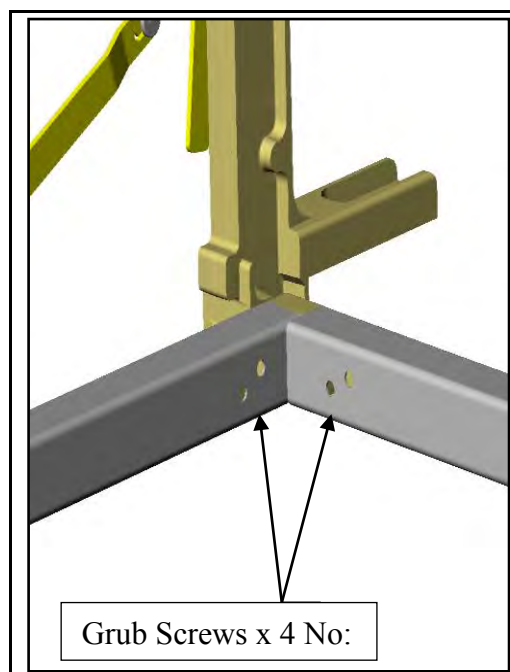
The bearing should run smoothly and the bearing seals should be intact.

The sprocket should not be excessively worn.

## **6. DISMANTLING AND REASSEMBLING**

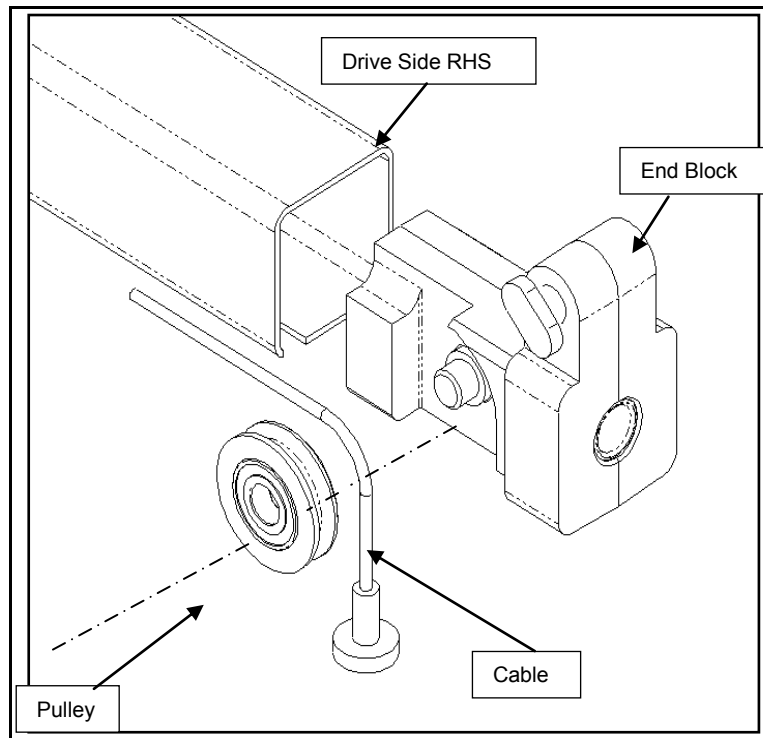
### **6.1 DISMANTLING THE LYCOLOADER**

1. Release the latch handle on both sides
2. Unfold the platform
3. Lower the platform to the ground
4. Remove the four (4) cable buttons from the T-section
5. Remove the drive side tension link from the end block T-bolt
6. Remove the idle side tension link from the end block T-bolt
7. Remove frame from tray brackets ( it will be necessary to unbolt one tray bracket )
8. Insert a flat head screw driver in the corner block cap and gently prise off the caps from both corner blocks



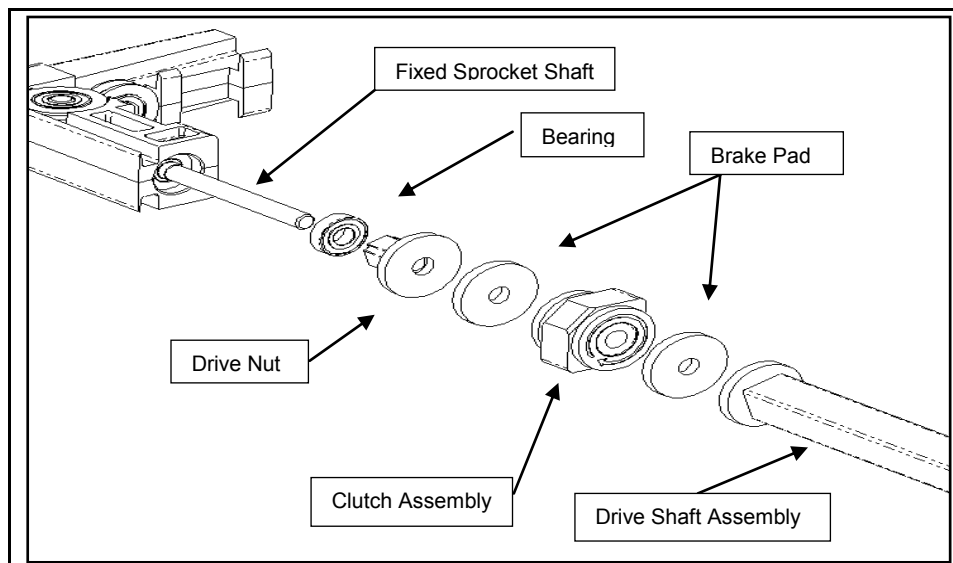
**Figure 2 - Grub Screw Locations**

9. Loosen the side grub screws in the side locking block, see Figure 2
10. Loosen the back grub screws in the back locking block, see Figure 2



**Figure 3 - End Block Disassembly (Drive Side)**

11. Slide the drive side end block out of the drive side RHS, see Figure 3
12. Remove the pulley and cable from the drive side end block, see Figure 3
13. Slide the drive side RHS off the drive side corner block

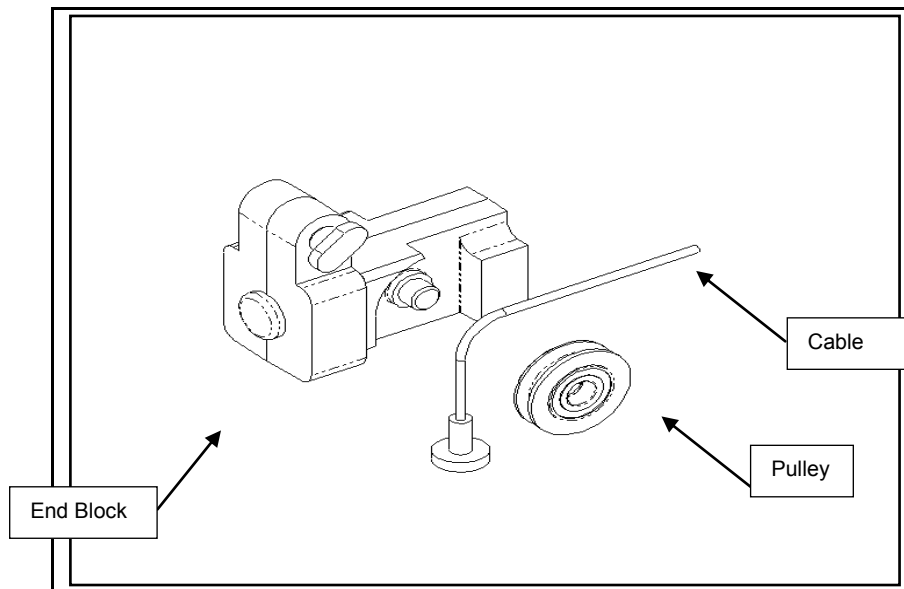


14.

**Figure 4 - Brake / Clutch Disassembly**

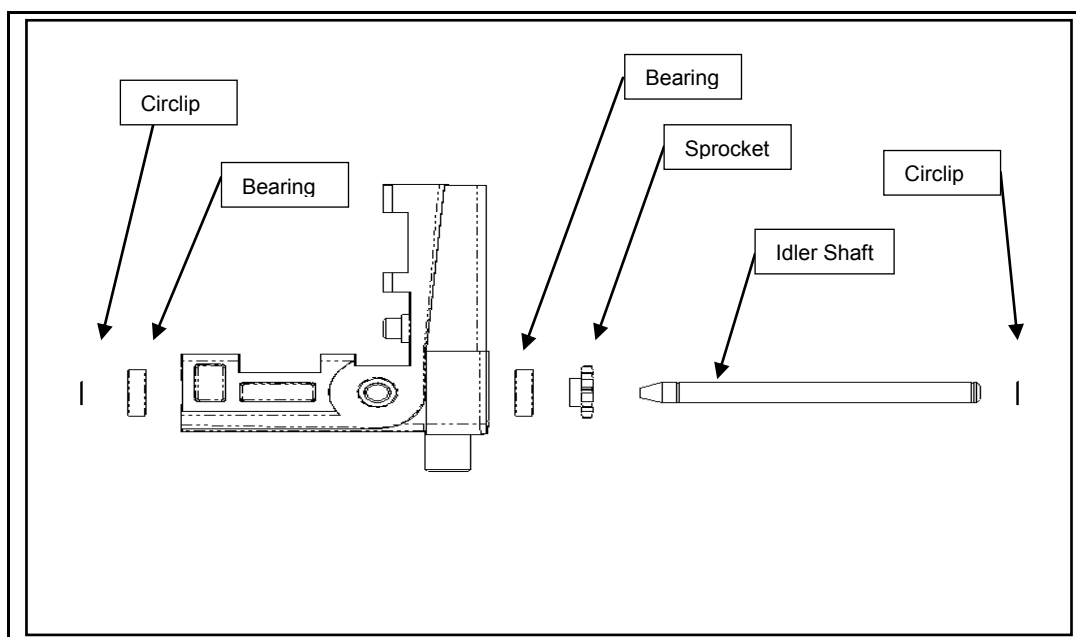
15. Unscrew the drive shaft assembly from the fixed sprocket shaft, see Figure 4
16. Remove the front brake pad, see Figure 4

17. Remove the Clutch Housing, see Figure 4
18. Remove the back brake pad, see Figure 4



**Figure 5 - End Block Disassembly (Idle Side)**

19. Slide the idle side end block out of the idle side RHS, see Figure 5
20. Remove the pulley and cable from the idle side end block, see Figure 5
21. Slide the idle side RHS off the idle side corner block



**Figure 6 - Idle Shaft Disassembly**

**Remove the circlip from the idle shaft ( end block side ), see**

22. Figure 6

**Slide the idle shaft out of the corner block, see**

23. Figure 6

24. Slide the idle side corner block out of the back RHS section

25. Remove the cables from the pulleys on the idle side corner block

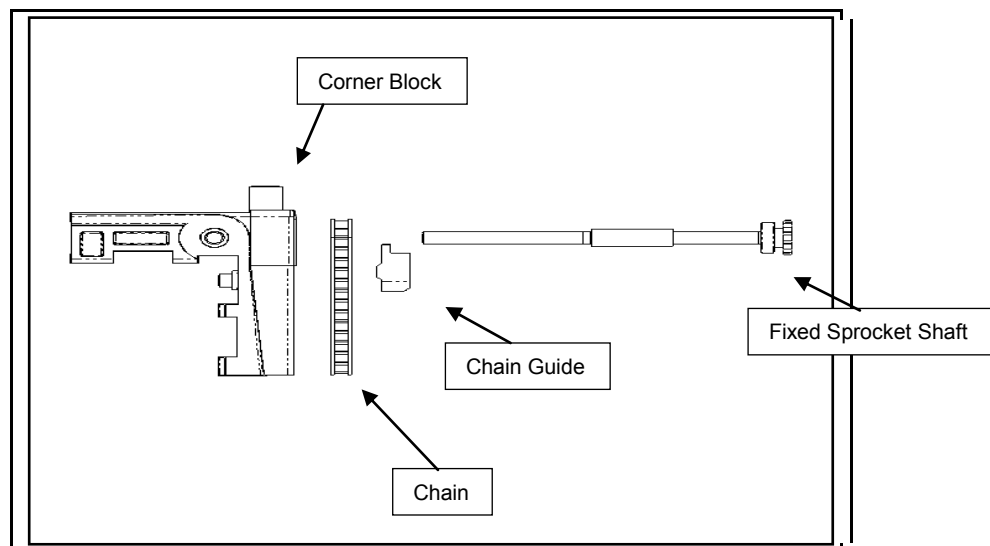
26. Remove the idle side sprocket from the chain

27. Slide the drive side corner block out of the back RHS, completely removing the chain and cables from the back RHS

28. Remove the locking block from the drive side corner block

29. Remove the cable from the pulleys on the drive side corner block

30. Unscrew the drive nut from the fixed sprocket shaft (refer to Figure 4 ). It may be necessary to “lock” the fixed sprocket shaft to loosen the drive nut



**Figure 7 - Fixed Sprocket Shaft Disassembly**

31. Remove the chain guide from the corner block, see Figure 7

32. Remove the fixed sprocket shaft from the drive side corner block, see Figure 7

33. Remove the chain from the fixed sprocket shaft

## 6.2 REASSEMBLING THE LYCOLOADER

1. Place the chain around the fixed sprocket shaft, see Figure 7

✘ The cable should be arranged so that turning the LycoLoader handle in a clockwise direction will result in the platform being raised

2. Slide the fixed sprocket shaft into the drive side corner block, see Figure 7 . Fit the loose bearing over the threaded end of the fixed sprocket

3. Screw the drive nut onto the fixed sprocket shaft, see Figure 4 , and tighten by hand until the nut is flush with the bearing, and the bearing is inside its housing in the casting.

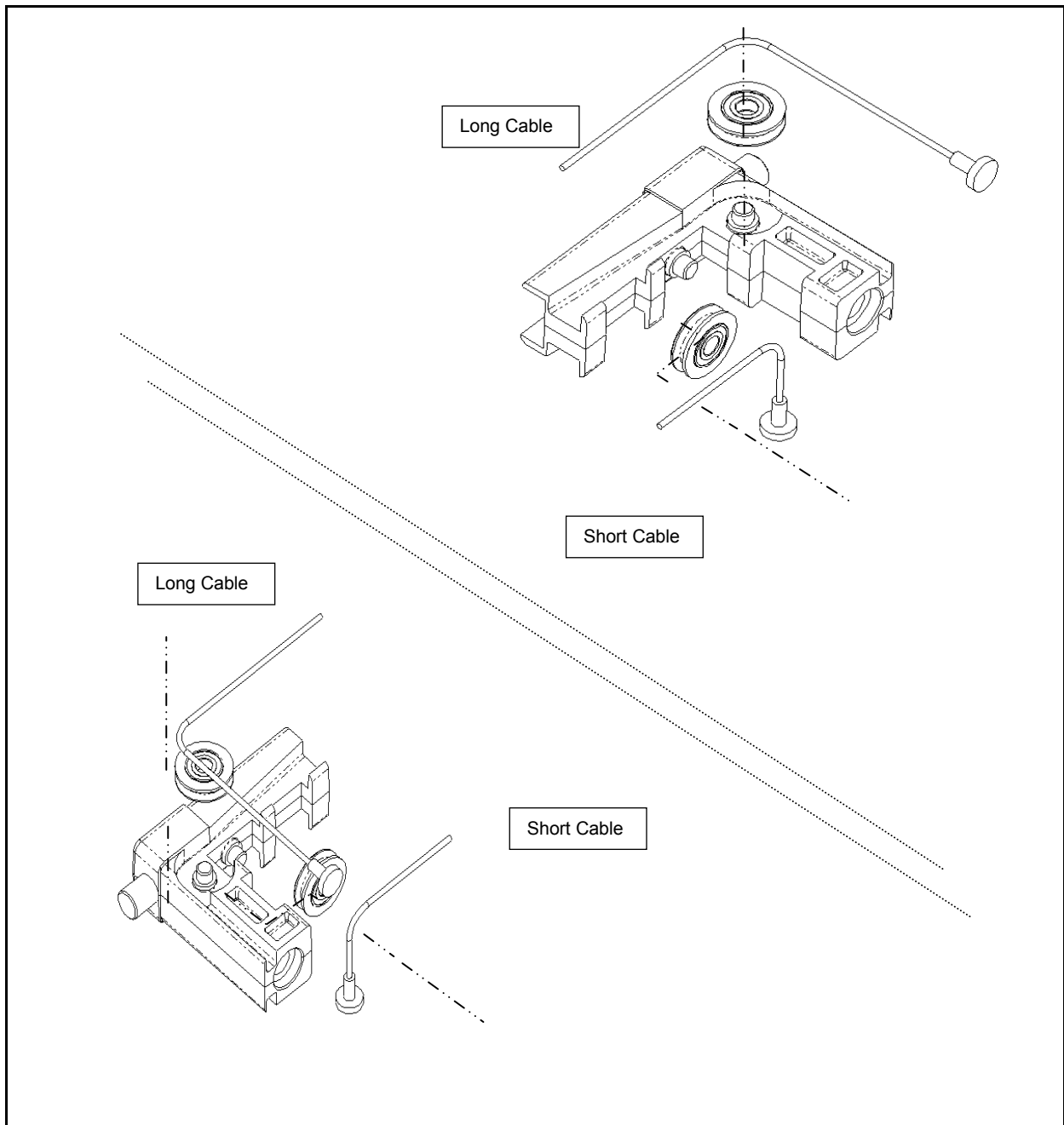
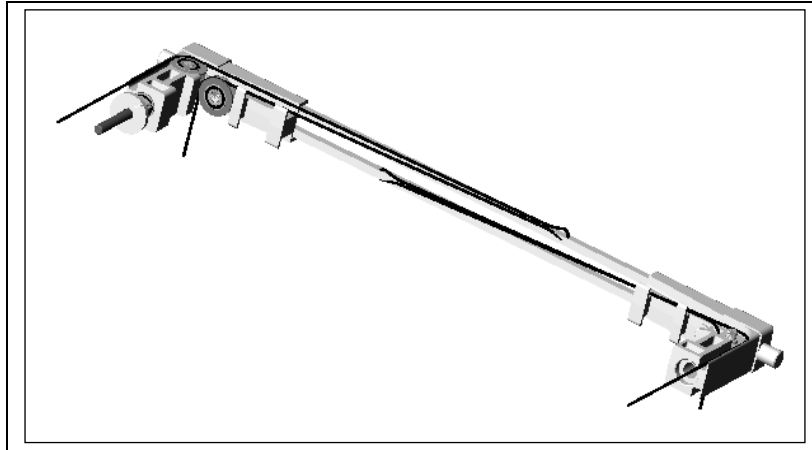


Figure 8 - Cable Placement on idle side corner block



**Figure 9 - Cable Arrangement**

4. Wrap the top cables around the pulleys and place the pulleys on the drive side corner block, see Figure 8 and Figure 9

✘ Ensure the long cable and pulley are placed on the top boss

Ensure the short cable and pulley are placed on the front boss

Ensure the cables are not twisted around each other or the

chain

5. Insert the chain guide into the corner block, see Figure 7

6. Slide the cables and chain down the back RHS

*HINT: You can feed a broom handle or similar through the back RHS and attach the chain and cable so as to ensure they do not get twisted when they are pulled through the RHS section*

7. Slide the back RHS section over the drive side corner block

✘ Ensure the locking block is inserted and that the chain guide is in place before the RHS is pushed fully onto the corner block

**Insert the sprocket into the chain at the idle end, see**

**Figure 6**

8. Wrap the top cables around the pulleys and place the pulleys on the idle side corner block, see Figure 8 and Figure 9

✘ Ensure the long cable and pulley are placed on the top boss

Ensure the short cable and pulley are placed on the front boss

Ensure the cables are not twisted around each other or the

chain



**TWISTED OR OVERLAPPING CABLES CAN RESULT IN SEVERE CABLE DAMAGE LEADING TO FREEFALL OF THE PLATFORM.**



**IT IS CRITICAL THAT THIS IS CHECKED ON ASSEMBLY – THIS FAULT MAY NOT BE IMMEDIATELY APPARENT WHEN LOAD TESTING THE LYCOLOADER AFTER ASSEMBLY.**

9. Slide the idle side corner block into the back RHS section, holding the sprocket so it does not slide into the RHS



Ensure the chain and cables are not twisted or tangled



Ensure the rear idle shaft bearing is in place before inserting the corner block

**Slide the idle shaft through the sprocket and then through the idle side corner block, see**

**Figure 6**

**Place the circlip onto the front of the idle shaft, ensuring the bearing is in place, see**

**Figure 6            Take up the slack by pulling lightly on the short cables at both ends of the RHS**



Ensure the circlip groove is clean and free of grit. Take care not to over-stretch the circlip

10. Feed the long cable on the idle side through the idle side RHS
11. Slide the idle side RHS onto the idle side corner block
12. Re-attach the cable onto the pulley and then connect the pulley to the idle side end block so that the cable is “captive” between the pulley and the end block, see Figure 5
13. Slide the idle side end block back into the idle side RHS, see Figure 5 . Take up the slack by lightly pulling the cable.
14. If installing new brake pads, smear a light coating of grease on the brake pads, 1-2 shots (1-2 grams) of grease is enough for both, wipe off excess with rag.
15. On the drive side, lubricate the threaded section of the fixed sprocket shaft with Nickel Anti-Seize. Replace the back brake pad, sliding it onto the fixed sprocket shaft, see Figure 4
16. Replace the clutch assembly, sliding it onto the fixed sprocket shaft. Note: the clutch must rotate clockwise inside the clutch housing, see Figure 4
17. Replace the second brake pad, sliding it onto the fixed sprocket shaft, see Figure 4
18. Place approximately 10 grams of grease in the drive shaft on the brake nut end and screw the drive shaft onto the fixed sprocket shaft, see Figure 4
19. Feed the long cable on the drive side through the drive side RHS
20. Slide the RHS over the corner block, ensuring the locking block is inserted correctly and the cable is aligned correctly and not twisted around the drive shaft
21. Re-attach the cable onto the pulley and then connect the pulley to drive side end block so that the cable is “captive” between the pulley and the end block, see Figure 3

22. Slide the end block back into the RHS, see Figure 3
23. Tighten the grub screws in the back locking block, see parts specifications for details
24. Tighten the grub screws in the side locking block, see parts specifications for details
25. Replace the corner block caps on both corner blocks. Apply a film of adhesive, such as “Loctite-454”, to secure the caps
26. Re-attach the frame to the tray brackets, ensure the tray brackets are secured to the tray
27. Re-connect drive side tension link to drive side T-bolt
28. Re-connect idle side tension link to idle side T-bolt
29. Re-attach cable buttons to T-section
30. Wind the platform fully up
31. Fold front section of platform
32. Store platform in „stowed“ position, fasten latches on both sides
33. Complete the test procedure described in Section 9

## 7. CHECK LIST FOR GENERAL SERVICE

### 7.1 ITEMS FOR INSPECTION

Item to Inspect	Inspection Interval
Brake Pad	12 months
Fixed Sprocket Shaft & Nuts	12 months
Clutch Assembly	12 months
Steel Cables	12 months
Pulleys	12 months
Platform Screws	12 months
Starlock Washers on Latch Handle	12 months
Tension Link Bolt	12 months
Idle Shaft Circlip	12 months
Locking Block Grub Screws	12 months

Table 4 - Maintenance Schedules

### 7.2 INSPECTION PROCEDURE

The following step should be carried out to service the LycoLoader

Dismantling the LycoLoader - Steps 1 to 5

Dismantling the LycoLoader - Step 9

Dismantling the LycoLoader - Steps 11 to 17

- ✘  **Inspect brake nuts, fixed sprocket shaft, brake pads and clutch assemblies for wear, see parts specifications for details.**
- Re-lubricate the fixed sprocket shaft with nickel anti-seize and place 10 grams of APXT grease in drive shaft end if required.**
- Inspect cables for wear, see parts specifications for details**
- Inspect pulleys for wear, see parts specifications for details**

Reassembling the LycoLoader - Steps 17 to 24

Reassembling the LycoLoader - Step 26

- ✘  **Ensure all grub screws are tightened, see parts specifications for details**

Reassembling the LycoLoader - Step 29

Dismantling the LycoLoader - Step 6

Dismantling the LycoLoader - Steps 18 to 20

- ✘  **Inspect the circlip on the idle shaft, see parts specifications for details**
- Inspect cables for wear, see parts specifications for details**

- **Inspect pulleys for wear, see parts specifications for details**

Reassembling the LycoLoader - Steps 13 to 16

Reassembling the LycoLoader - Step 30

- ✘ ■ **Check the Platform screws (●8), see parts specifications for details**

Reassembling the LycoLoader - Steps 31 to 32

- ✘ ■ **Check tension link bolts, see parts specifications for details**

- **Check starlock washers on catch handles, see parts specifications for details**

- **Check T-bolts on end blocks, see parts specifications for details**

Reassembling the LycoLoader - Step 34

## **8. SPARE PARTS - FITTING**

### **8.1 DRIVE END CORNER BLOCK KIT**

Disassemble the LycoLoader as described in section 6.1. Replace all of the parts provided in the “Drive End Corner Block Kit” and reassemble the LycoLoader as per Section 6.2

### **8.2 HANDLE ASSEMBLY**

The Handle Assembly is a simple swap over

- ✘ Ensure the Batch Number and client details are documented before the handle is replaced

HINT: If the old handle was broken and the handle tip is stuck in the drive socket, use a magnet to remove the broken section. Discard both parts of the broken handle

- ✘ **NEVER ATTEMPT TO REPAIR A BROKEN HANDLE** - Broken handles indicate that there is something wrong with the LycoLoader or the way it is being used

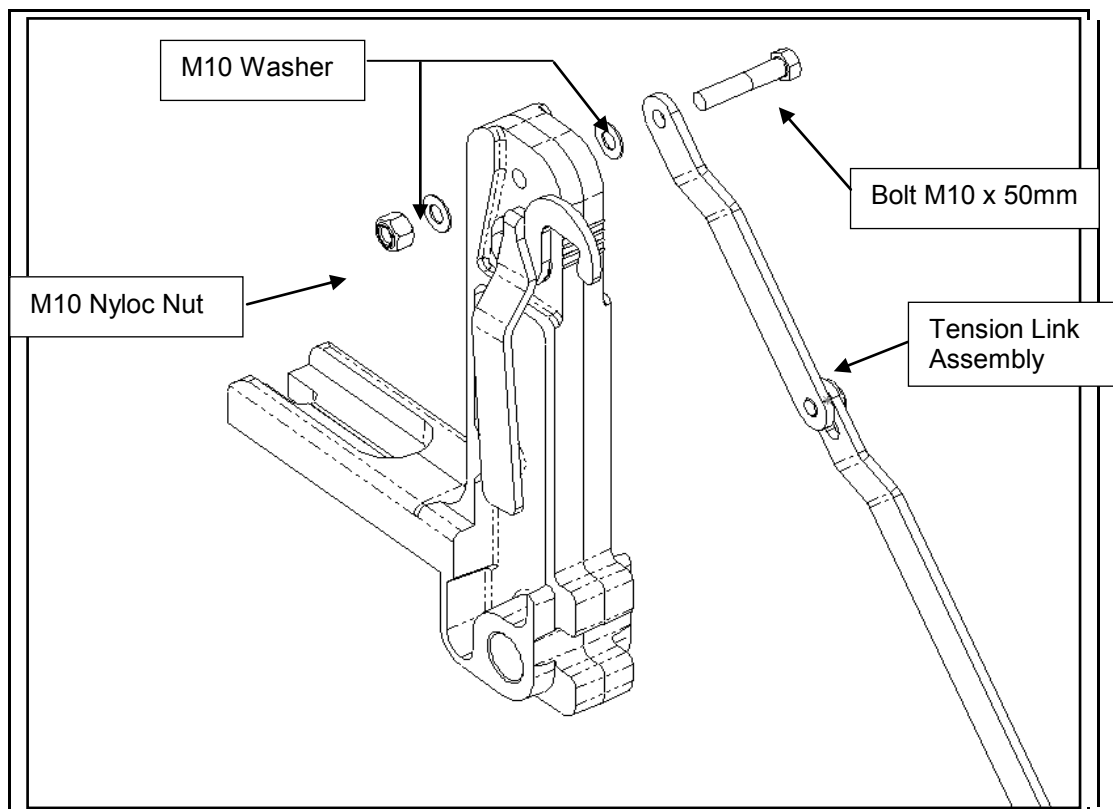
### **8.3 BRAKE / CLUTCH ASSEMBLY**

Follow dismantling (Section 6.1) steps 1 to 5, step 9 and steps 11 to 17. Check that the thread on the fixed sprocket shaft is not damaged. Using the new components, reassemble the LycoLoader by following (Section 6.2) steps 17 to 24, step 26, step 29 and steps 31 to 34. Follow the procedure in Section 9 to test the LycoLoader.

### **8.4 TENSION LINK ASSEMBLY**

1. Release the latch handle on both sides

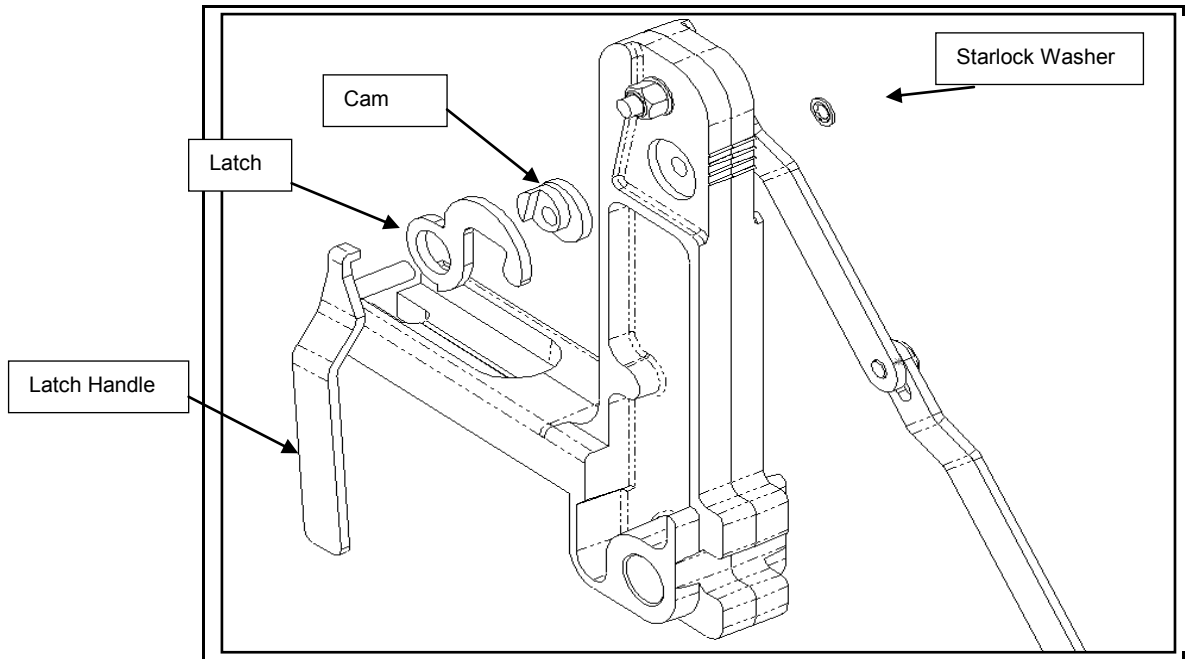
2. Unfold the Platform of the LycoLoader.
3. Remove the Tension Link from the end block T-bolt
4. Undo the 10mm bolt from the top of the drive side tension link
5. Remove the damaged link and discard
6. Insert the bolt through the new link, the 10mm zinc plated washer, the tray bracket, and the 10mm zinc plated washer, see Figure 10
7. Replace the 10mm nyloc nut. Tighten until firm, ensuring the link is still free to rotate
8. Reconnect the tension link to the T-bolt
9. Fold front section of platform
10. Store platform in „stowed“ position, reattach latches on both sides



**Figure 10 - Link Assembly Replacement**

## **8.5 LATCH REPAIR KIT**

1. Release the latch handle on both sides
2. Unfold the platform
3. Remove the latch handle, latch, and cam washer from the tray bracket
4. Discard the latch and cam washer



**Figure 11 - Latch Assembly**

5. Insert the latch handle through the latch, cam washer, and then the tray bracket, see Figure 11
6. Replace the starlock washer with the smooth side of the washer facing the tray bracket
7. Remove the rubber buffer from the T-section
8. Replace rubber buffer with new rubber buffer, securing with “Loctite-480” adhesive
9. Fold front section of platform
10. Store platform in „stowed“ position, reattach latches on both sides

## **8.6 CABLE / CHAIN ASSEMBLY**

Disassemble the LycoLoader as described in section 6.1. Replace all of the parts provided in the “Cable / Chain Assembly” kit and reassemble the LycoLoader as per Section 6.2

## **8.7 FASTENER KIT**

Remove existing fasteners and replace with new fasteners



Ensure the fasteners are replaced in the same orientation as they were removed

## **8.8 RUBBER KIT**

1. Release the latch handle on both sides
2. Unfold the platform
3. Lower the platform to the ground

4. Remove the four (4) cable buttons from the T-section
5. Unscrew eight (8) platform screws and remove T-section from platform
6. Unscrew two (2) platform screws from platform cap and remove, repeat for both sides
7. Remove insulating clips from platform caps and T-section
8. Remove canoe clips from platform
9. Remove edge rubber from front platform
10. Remove rubber buffers from T-section
11. Remove hinge rubber. Note, the optimum angle for removing the hinge rubber is 60° between the two platform sections
12. Replace hinge rubber, keeping the two platforms at the optimum angle. HINT: lubricate the rubber with water before sliding it into the platform sections
13. Replace canoe clips in the back platform section
14. Replace platform caps. See parts specifications for screw torque's
15. Replace edge rubber. HINT: lubricate the rubber with water before pressing in
16. Replace all insulating clips - two (2) on each platform cap and two (2) on each T-section
17. Replace rubber buffers, securing with "Loctite-480" adhesive
18. Remove frame from tray brackets
19. Remove tray bracket bushes
20. Replace tray bracket bushes
21. Re-attach frame to tray brackets. NOTE: tray bracket bolts should be tightened to a torque of 25-30 Nm
22. Remove the drive side tension link from the end block T-bolt
23. Slide the drive side end block out of the drive side RHS
24. Remove the pulley and cable from the end block
25. Remove the End Block Bush and Handle Guide Bush from the end block
26. Press the two new bushes into the end block
27. Re-attach the cable onto the pulley and end block
28. Slide the end block back into the RHS
29. Re-attach tension link to T-bolt
30. Re-attach cable buttons to T-section

## **8.9 PULLEY REPAIR KIT**

Disassemble the LycoLoader as described in section 6.1. Replace all of the parts provided in the "Pulley Repair Kit" and reassemble the LycoLoader as per Section 6.2

## 9. TEST PROCEDURE AFTER SERVICING


After the servicing of the LycoLoader is complete, it should be load tested to ensure it is operating correctly.

Try a load of approximately 10kg first. **Follow all operating instructions from the LycoLoader Operators Manual.** Lower the platform to the ground, apply the load and raise the platform. Stop several times on the way up to make sure the brake is working (the platform should immediately come to a stop when your hand is removed). Lower the platform, pausing several times to ensure the break is working.

Pay attention to any “unusual” noises or inconsistencies in the force to turn the handle. The LycoLoader has some characteristic noises that are consistent with the sound of cables sliding, chains meshing with sprockets and the sliding noise of the brake when the platform is going down. These sounds should be audible but not unpleasant or disturbing.

Repeat this process with loads of approximately 50, 100, 200 and 300kg. **Never use the LycoLoader to lift people or unstable loads.** As a precaution, keep clear of the area below the LycoLoader whilst load testing reassembled units.

If there are any problems first refer to Section 3 “Trouble-Shooting Guide”. If difficulties continue, contact Lyco Parts and Service Division:

 (02) 9525 5522

Fax (02) 9525 5513

## 10. DOCUMENTATION

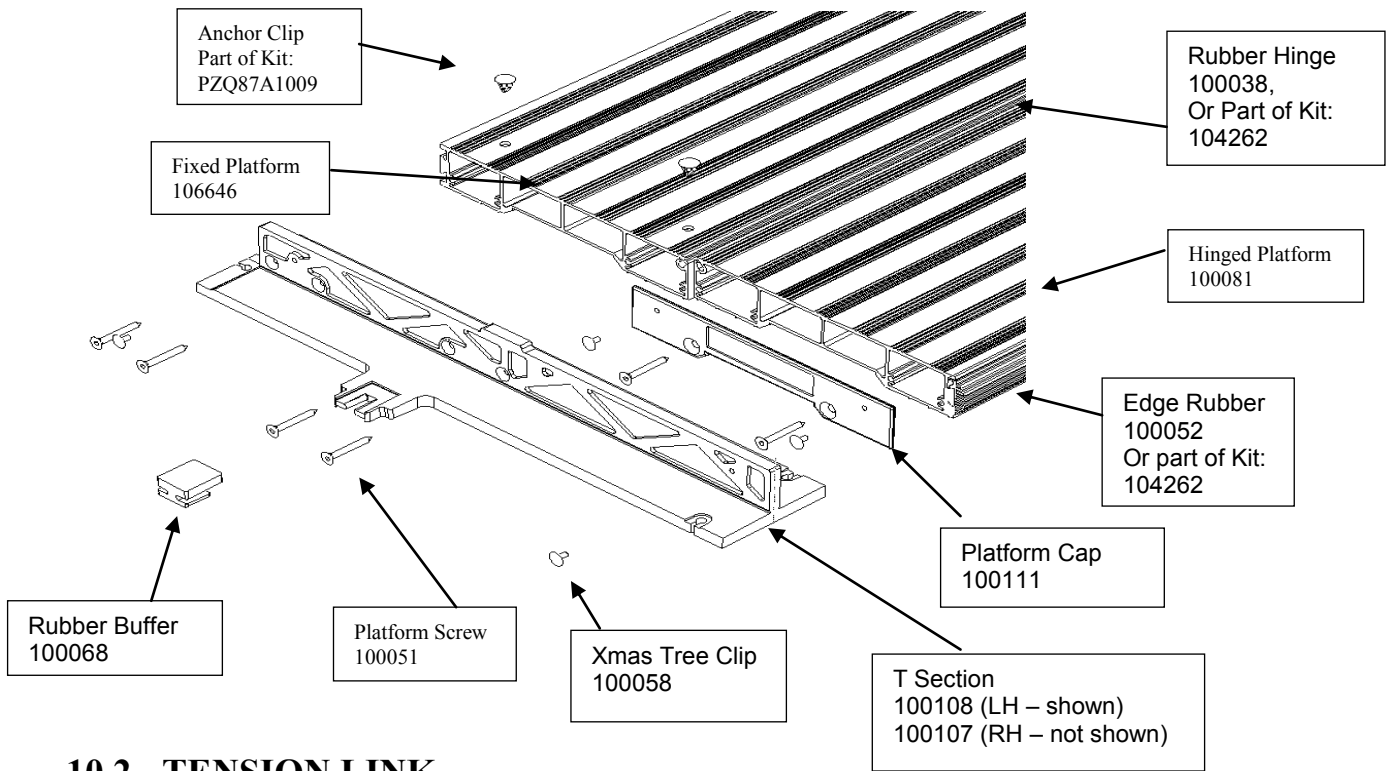
Sign and stamp all of the relevant documentation

Relevant details are to be recorded to validate customer warranty claims.

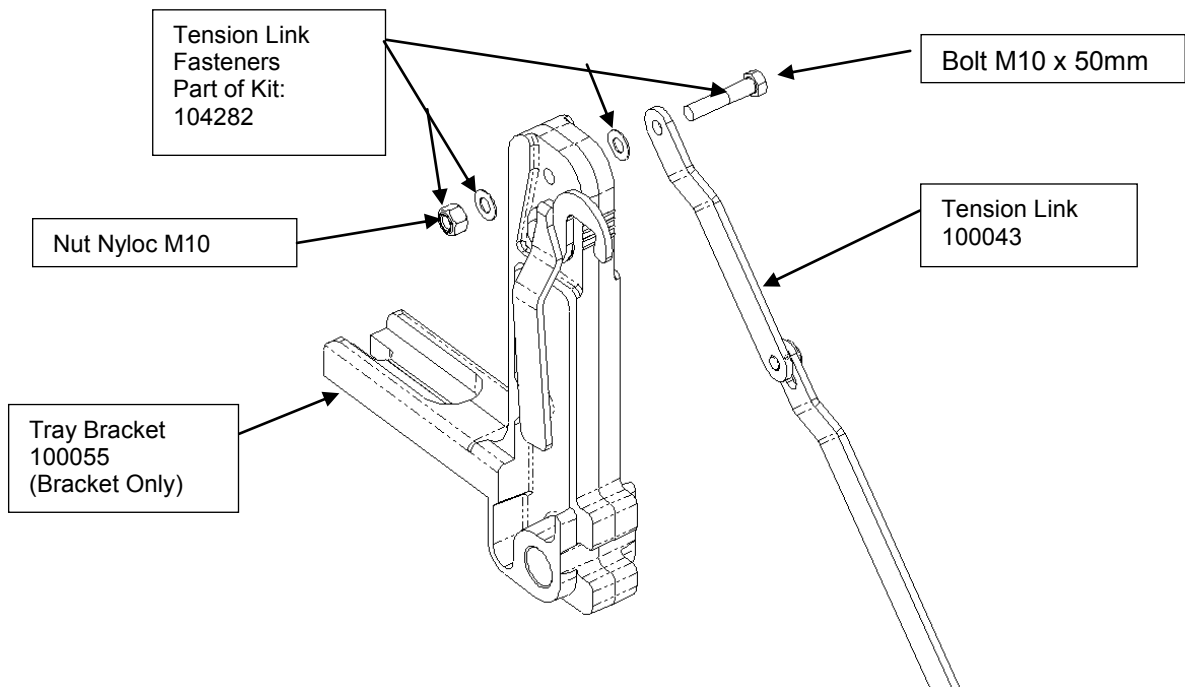


# APPENDIX – PART NUMBER INFORMATION

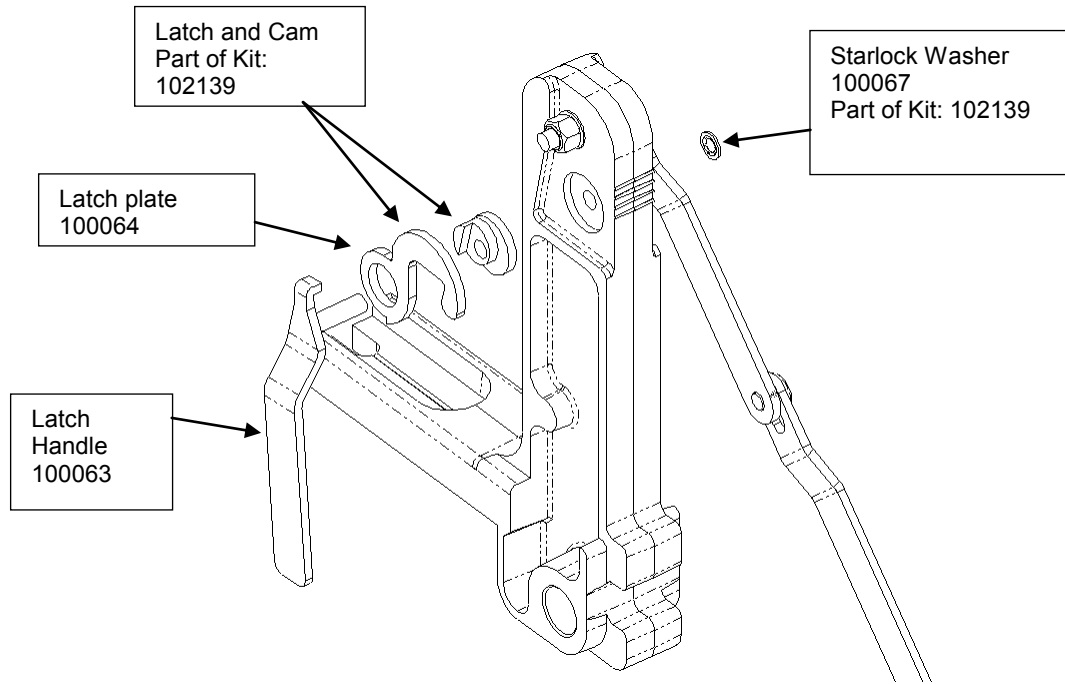
## 10.1 PLATFORM ASSEMBLY



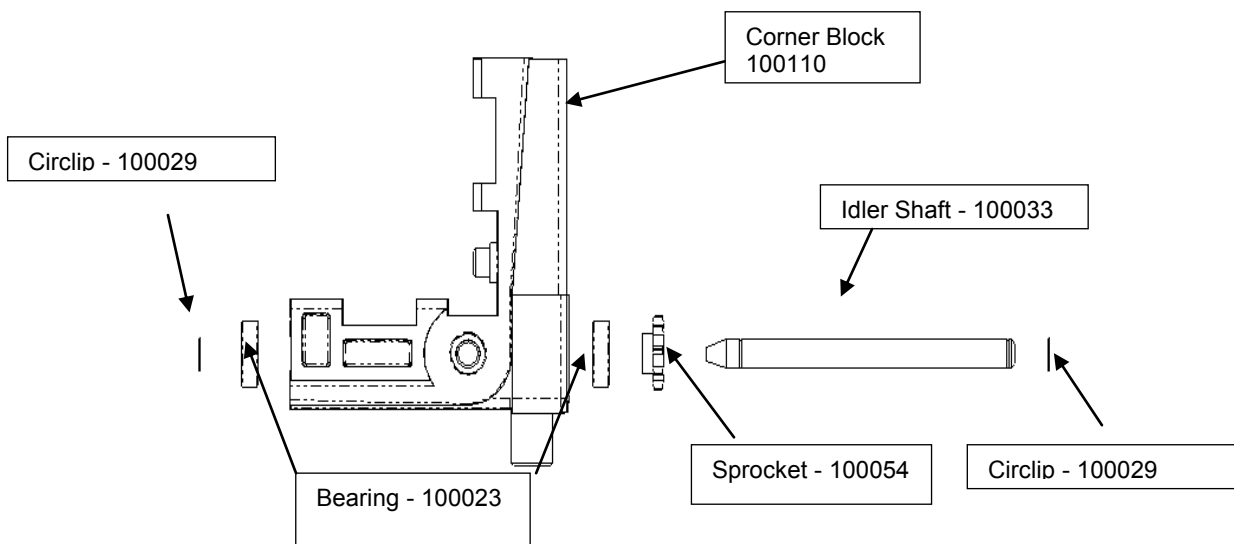
## 10.2 TENSION LINK



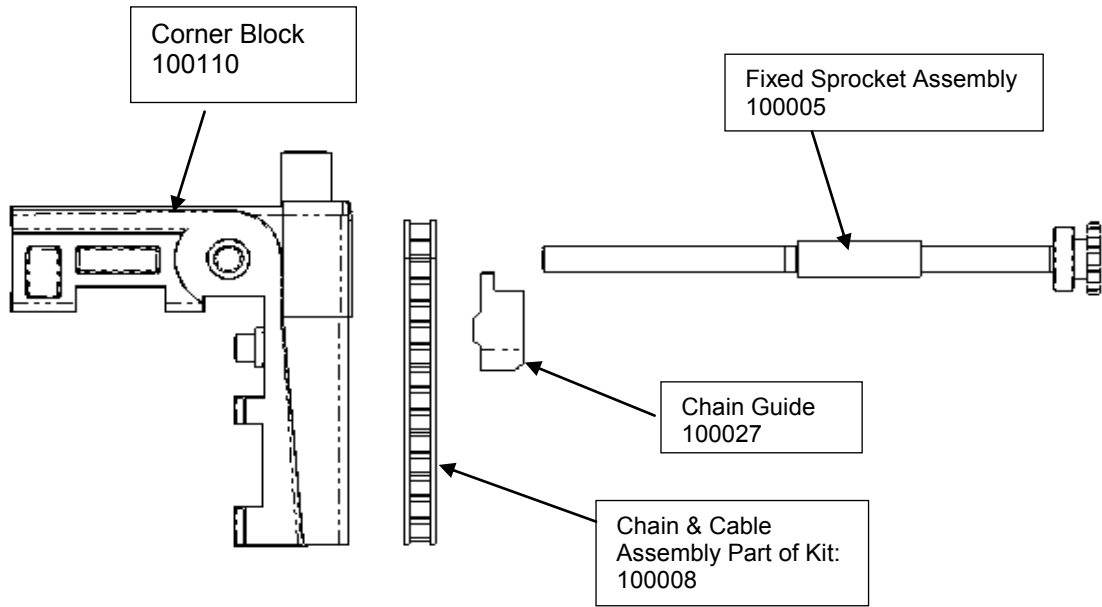
### 10.3 LATCH



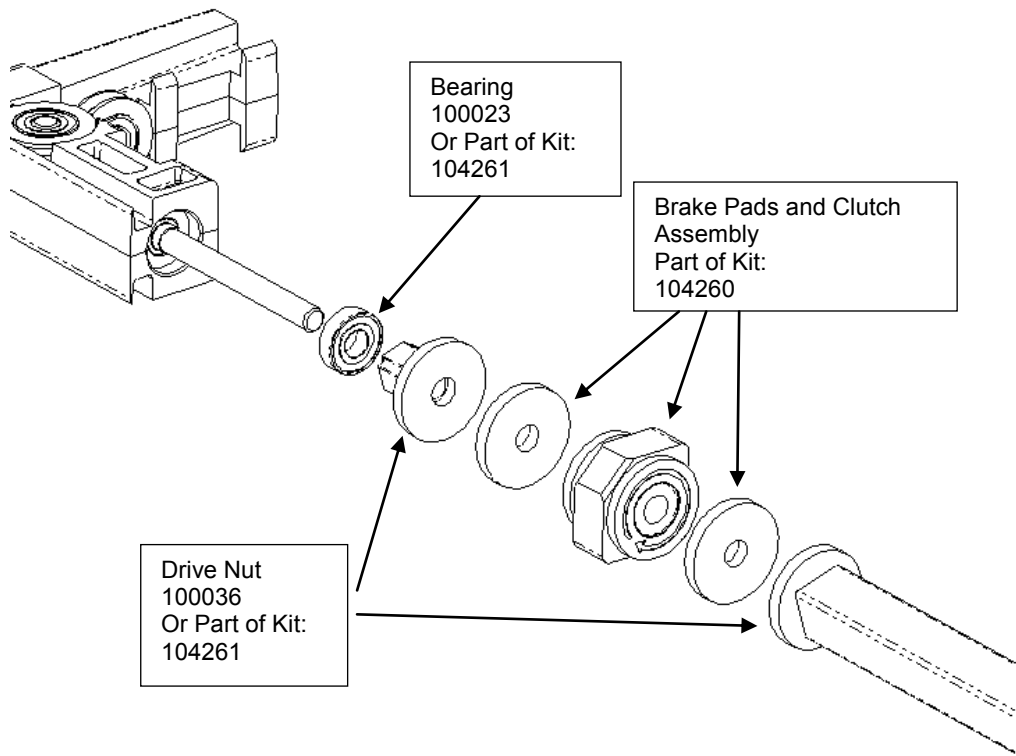
### 10.4 IDLER SIDE CORNER BLOCK



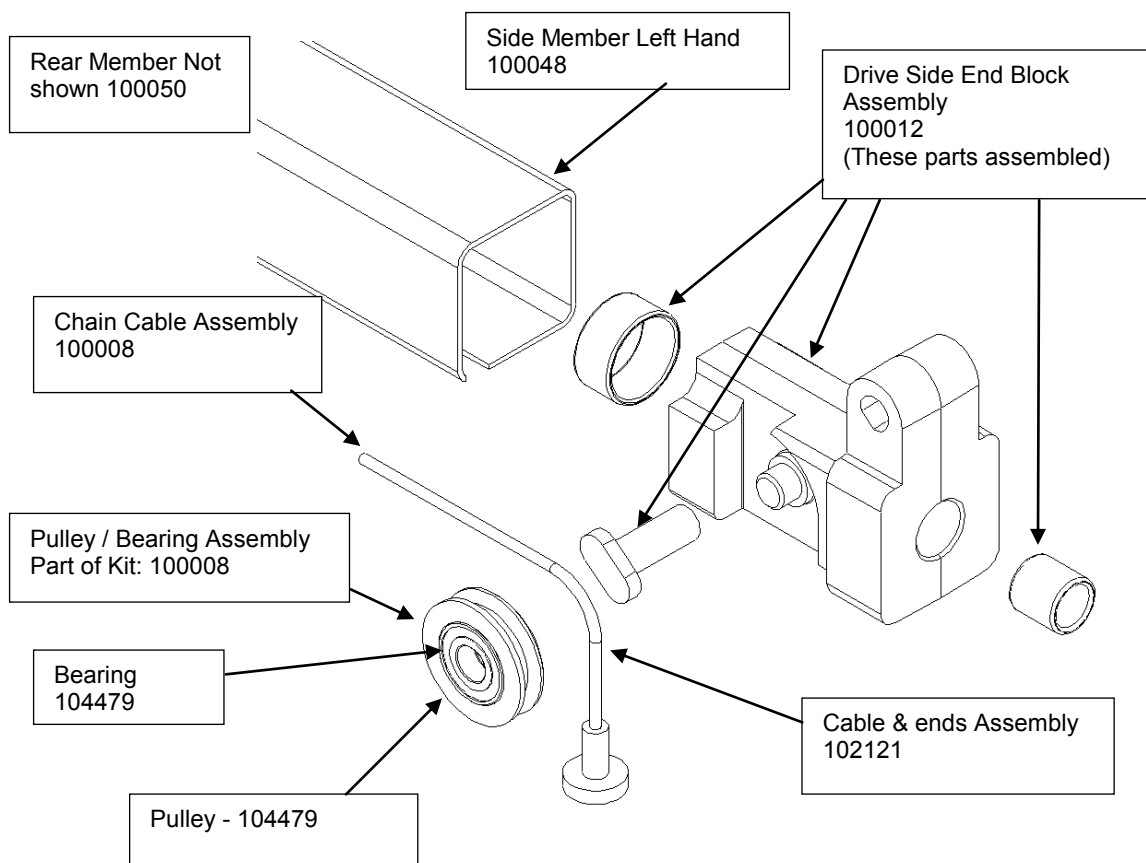
## 10.5 DRIVE SIDE CORNER BLOCK



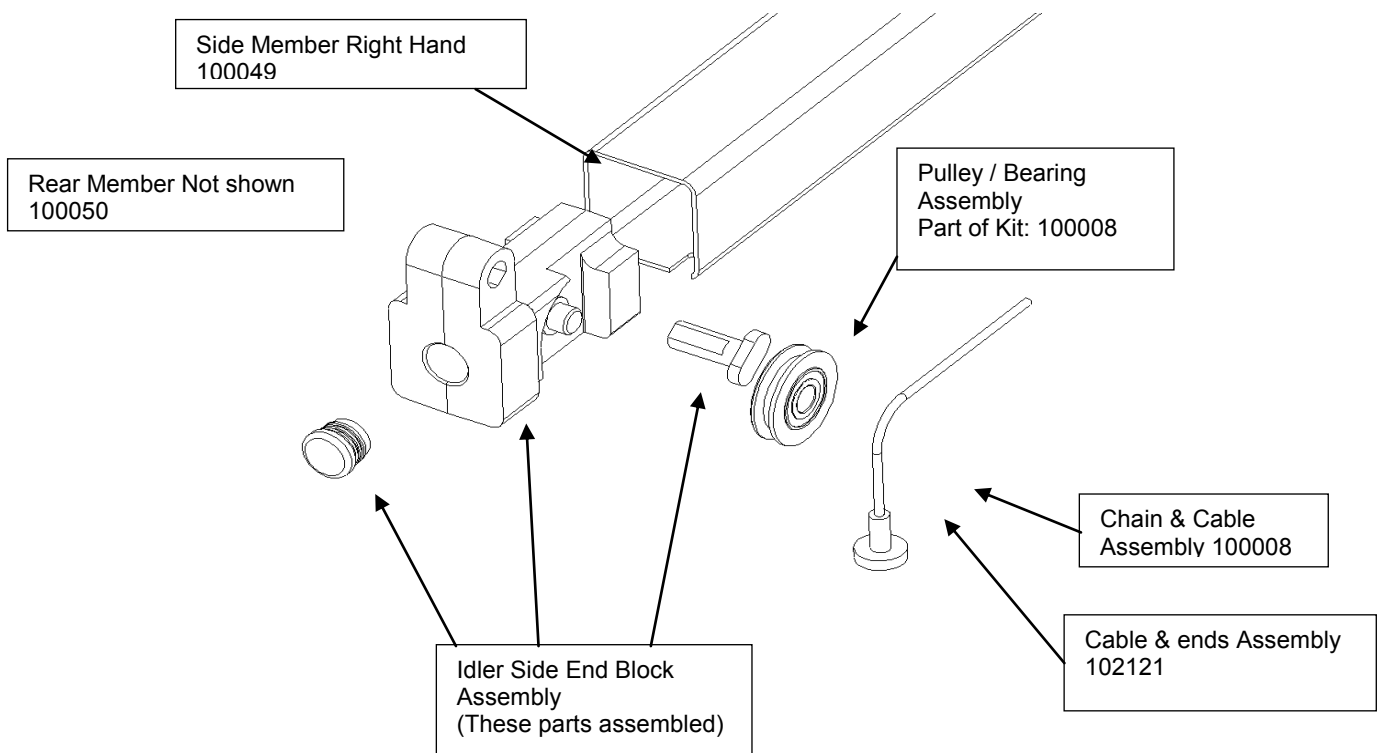
## 10.6 BRAKE ASSEMBLY



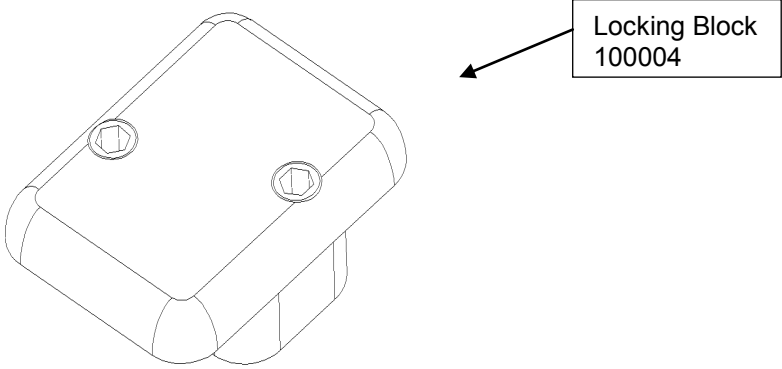
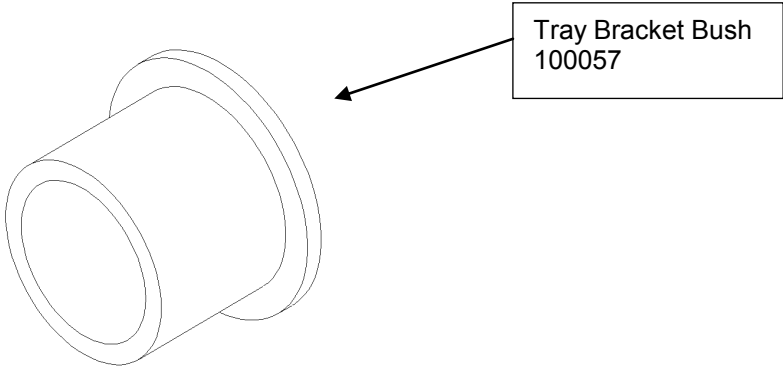
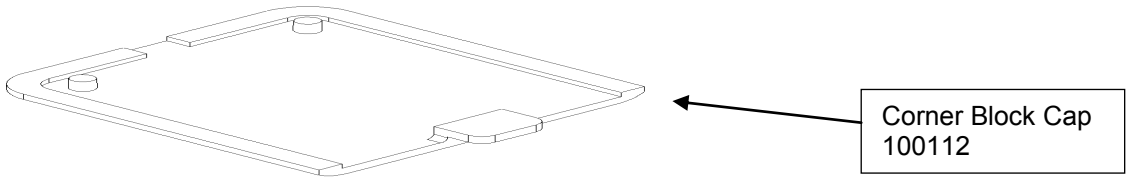
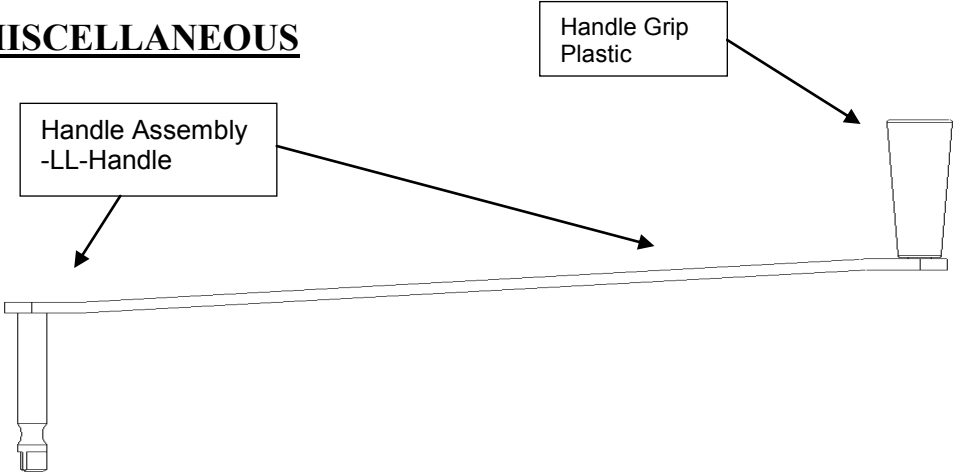
## 10.7 DRIVE SIDE END BLOCK ASSEMBLY



## 10.8 IDLER SIDE END BLOCK ASSEMBLY



**10.9 MISCELLANEOUS**



**(H)**