

Operator Manual

TL38/UI3818JT BOOM

SERIAL NO. 17154 TO CURRENT

WARNING

All personnel shall carefully read, understand and follow all safety rules, operating instructions, and National Safety Instructions/Requirements before operating or performing maintenance on any *Ui* Aerial Work Platform.



TL 38/ 3818 JT BOOM

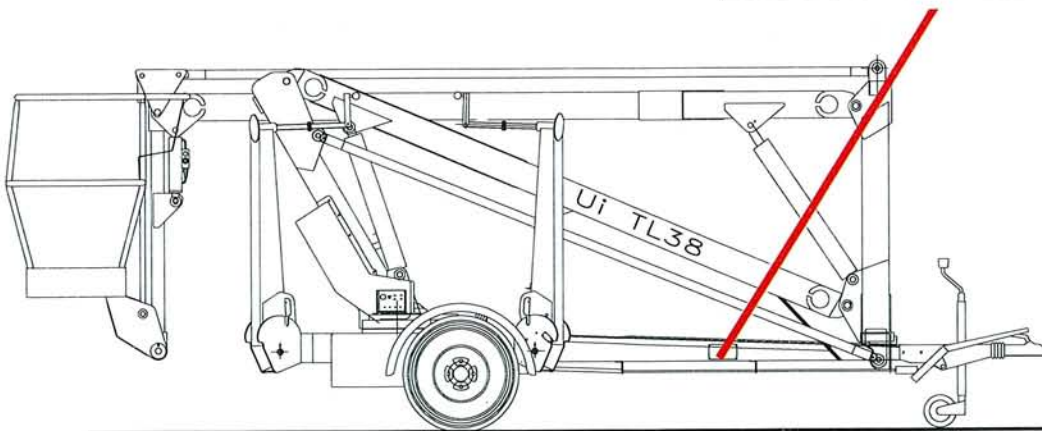
Serial Numbers 1754 – Current

ENGLISH

When contacting **Ui** for service or parts information, be sure to include the MODEL and SERIAL NUMBERS from the equipment nameplate. Should the nameplate be missing, the SERIAL NUMBER is also stamped on top of the left hand axle mount.

NOTE: FOR USA OPERATORS ALL REFERENCES TO TL38 SHOULD BE READ AS 3818JT BOOM IN THIS MANUAL

		PARKWEST IND EST, CLONDALKIN, DUBLIN, IRELAND.		
MODEL	TL38	SERIAL No.		
MAX. PLATFORM HEIGHT	11.5 m	UNLADEN WEIGHT	kg	
MAX. PLATFORM LOAD	215kg 2 Persons + 55kg. Equipment			
MAX. LATERAL FORCE	400N	MAX. WIND SPEED	12.5m/s	
MAX. CHASSIS INCLINATION	0°	BATTERY VOLTAGE	24V	
NOMINAL POWER	3kW	CHARGER INPUT VOLTAGE	220/240V	
CAUTION: ONLY TRAINED & AUTHORISED PERSONNEL MAY USE THIS MACHINE—CONSULT OPERATORS MANUAL BEFORE USE. THIS PLATFORM IS NOT ELECTRICALLY INSULATED				
P/N 58838-000				



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OPERATION MANUAL

WARNING

All personnel shall carefully read, understand and follow all safety rules and operating instructions before operating or performing maintenance on any *Ui* aerial work platform.

Safety Rules

Electrocution Hazard



THIS MACHINE IS NOT INSULATED!

Tip Over Hazard



NEVER elevate the platform or drive the machine while elevated unless the machine is on a firm, level surface.

Collision Hazard



NEVER position the platform without first checking for overhead obstructions or other hazards.

Fall Hazard



NEVER climb, stand, or sit on platform guardrails or midrail.

USE OF THE AERIAL WORK PLATFORM: This aerial work platform is intended to lift persons and his tools as well as the material used for the job. It is designed for repair and assembly jobs and assignments at overhead workplaces (ceilings, cranes, roof structures, buildings etc.). All other uses of the aerial work platform are prohibited!

THIS AERIAL WORK PLATFORM IS NOT INSULATED! For this reason it is imperative to keep a safe distance from live parts of electrical equipment!

Exceeding the specified permissible maximum load **is prohibited!** See "Special Limitations" on page 4 for details.

The use and operation of the aerial work platform as a lifting tool or a crane (lifting of loads from below upwards or from up high on down) **is prohibited!**

NEVER exceed the manual force allowed for this machine. See "Special Limitations" on page 4 for details.

DISTRIBUTE all platform loads evenly on the platform.

NEVER operate the machine without first surveying the work area for surface hazards such as holes, drop-offs, bumps, curbs, or debris; and avoiding them.

OPERATE machine only on surfaces capable of supporting stabiliser/outrigger loads.

NEVER operate the machine when wind speeds exceed this machine's wind rating. See "Beaufort Scale" on page 4 for details.

IN CASE OF EMERGENCY push EMERGENCY STOP switch to deactivate all powered functions.

IF ALARM SOUNDS while platform is elevated, STOP, carefully lower platform and check all outriggers are secure and the chassis is level before resuming operation.

Climbing up the railing of the platform, standing on or stepping from the platform onto buildings, steel or prefab concrete structures, etc., **is prohibited!**

Dismantling the gravity drop bar or other railing components **is prohibited!** Always make certain that the gravity drop bar is closed and securely locked!

It is prohibited to keep the gravity drop bar in an open position (held open with tie-straps) when the platform is raised!

To extend the height or the range by placing of ladders, scaffolds or similar devices on the platform **is prohibited!**

NEVER perform service on machine while platform is elevated without blocking elevating assembly.

INSPECT the machine thoroughly for cracked welds, loose or missing hardware, hydraulic leaks, loose wire connections, and damaged cables or hoses before using.

VERIFY that all labels are in place and legible before using.

NEVER use a machine that is damaged, not functioning properly, or has damaged or missing labels.

To bypass any safety equipment **is prohibited** and presents a danger for the persons on the aerial work platform and in its working range.

NEVER charge batteries near sparks or open flame. Charging batteries emit explosive hydrogen gas.

Modifications to the aerial work platform **are prohibited** or permissible only at the approval by *Ui*.

AFTER USE, secure the work platform from unauthorized use by turning both keyswitches off and removing key.

CONTENTS

Introduction	3
General Description	3
Special Limitations	4
Platform Capacity	4
Manual Force	4
Beaufort Scale	4
Lift Overload Alarm	4
Controls and Indicators	5
Pre-Operation Safety Inspection	6
System Function Inspection	7
Operation	7
Boom Elevate	7
Boom Lower	8
Rotate	8
Telescopic Boom	8
Cage Rotate	9
Emergency Lowering	9
 Transporting the Work Platform	 10
Hour Meter	10
Maintenance	12
Inspection and Maintenance Schedule	13
Daily Preventative Maintenance Checklist	13
Labels	16
Specifications	17

INTRODUCTION

This manual covers operation of the TL50 Work Platforms. **This manual must be stored on the machine at all times.**

GENERAL DESCRIPTION

Figure 1: TL 38

1. Platform

! WARNING !

DO NOT use the maintenance platform without guardrails properly assembled and in place

2. Elevating Assembly

3. Chassis

4. Power Module

5. Control Module

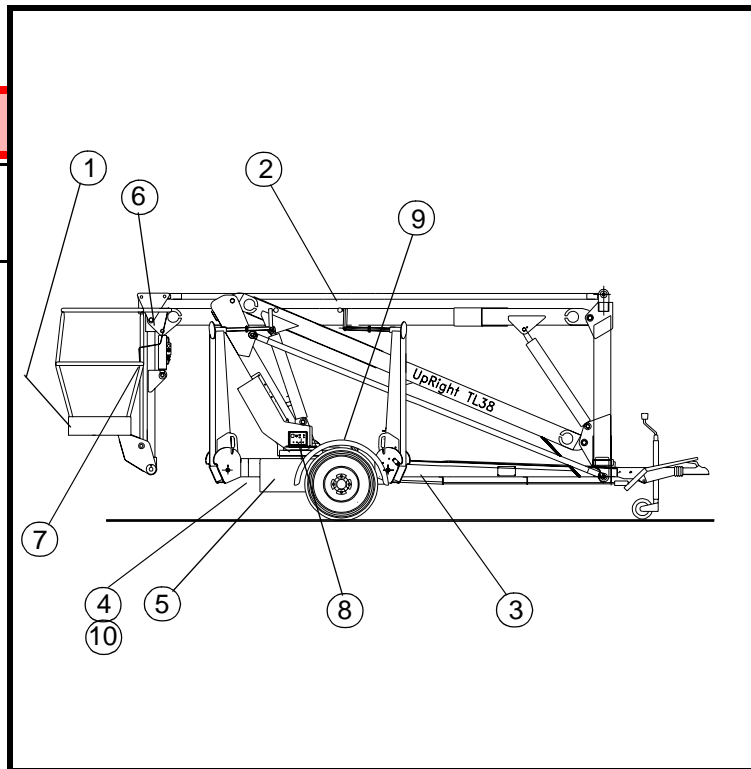
6. Platform Controls

7. Manual Case

8. Chassis Controls

9. Hydraulic Fluid Reservoir

10. Batteries



SPECIAL LIMITATIONS

Elevating the Work Platform is limited to firm, level surfaces only.



The elevating function shall ONLY be used when the work platform is level and on a firm surface.

PLATFORM CAPACITY

The maximum capacity for the MACHINE, including occupants is determined by model and options, and is listed in "Specifications" on page 15.



DO NOT exceed the maximum platform capacity or the platform occupancy limits for this machine.

MANUAL FORCE

Manual force is the force applied by the occupants to objects such as walls or other structures outside the work platform.

The maximum allowable manual force is limited to 200 N (45 lbs.) of force per occupant, with a maximum of 400 N (90 lbs.) for two or more occupants.



DO NOT exceed the maximum amount of manual force for this machine.

BEAUFORT SCALE

Never operate the machine when wind speeds exceed 25 km/h (15 mph) [Beaufort scale 4].

BEAUFORT RATING	WIND SPEED				GROUND CONDITIONS
	m/s	km/h	ft/s	mph	
3	3,4~5,4	12,25~19,4	11.5~17.75	7.5~12.0	Papers and thin branches move, flags wave.
4	5,4~8,0	19,4~28,8	17.75~26.25	12.0~18	Dust is raised, paper whirls up, and small branches sway.
5	8,0~10,8	28,8~38,9	26.25~35.5	18~24.25	Shrubs with leaves start swaying. Wave crests are apparent in ponds or swamps.
6	10,8~13,9	38,9~50,0	35.5~45.5	24.5~31	Tree branches move. Power lines whistle. It is difficult to open an umbrella.
7	13,9~17,2	50,0~61,9	45.5~56.5	31.~38.5	Whole trees sway. It is difficult to walk against the wind.

LIFT OVERLOAD ALARM

The TL38 is fitted with a load sensing system designed to comply with the requirements os BS EN 280 : 2001

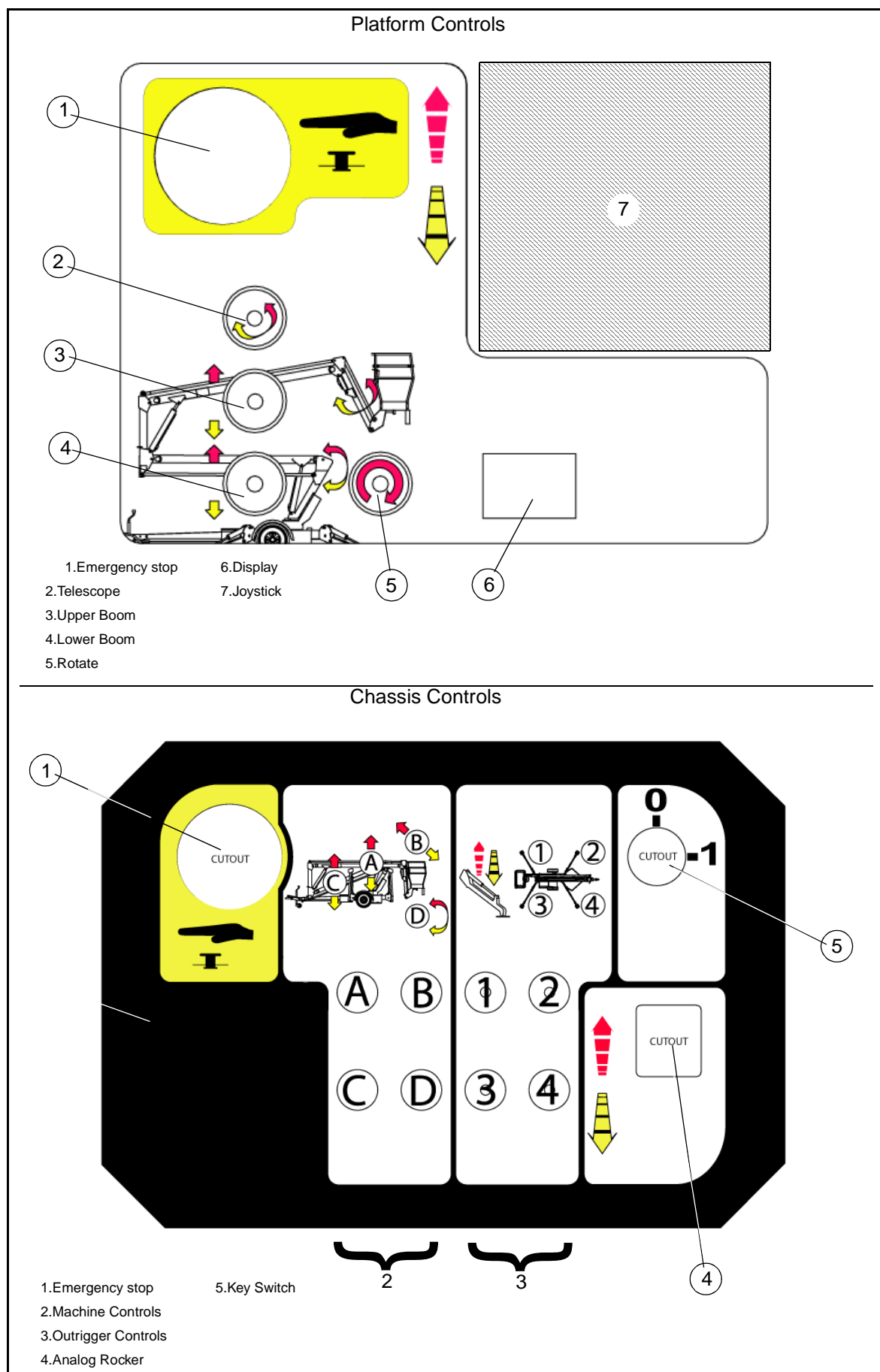
If a load equivalent to 90% of safe working load is lifted a fault code "03" will be displayed on the digital display on the platform control box. If a load which is greater than the safe working load is present in the basket all machine functions will cease to operate and an acoustic warning will sound. In order to return to normal operation a load equal to or less than the safe working load must be present in the basket and the power must be re-cycled, power can be re-cycled by pushing the emergency stop button and releasing it again.



Never operate the machine with a platform load greater than the rated capacity.

CONTROLS AND INDICATORS

Figure 2: Controls and Indicators



PRE-OPERATION SAFETY INSPECTION

NOTE: Carefully read, understand and follow all safety rules, operating instructions, labels and National Safety Instructions/Requirements. Perform the following steps each day before use.

1. Open module and inspect for damage, fluid leaks or missing parts.
2. Check the level of the hydraulic fluid with the platform fully lowered. The hydraulic reservoir is located in the Control Module. The fluid level must be between the MIN and MAX lines. Add hydraulic fluid if necessary.
3. Check that fluid level in the batteries is correct.
4. Verify that batteries are charged.
5. Check that A.C. extension cord has been disconnected from the charger plug.
6. Check that all guardrails are in place and all fasteners are properly tightened.
7. Inspect the machine thoroughly for cracked welds and structural damage, loose or missing hardware, hydraulic leaks, damaged control cable, loose wire connections and wheel bolts.

SYSTEM FUNCTION INSPECTION

Refer to Figure 2 for the locations of various controls and indicators.

⚠ WARNING ⚠

STAND CLEAR of the work platform while performing the following checks.

Before operating the work platform, survey the work area for surface hazards such as holes, drop-offs, bumps and debris.

*Check in **ALL** directions, including above the work platform, for obstructions and electrical conductors.*

1. Move the machine, if necessary, to an unobstructed area to allow for full elevation.
2. Pull Chassis Emergency Stop Switch to the ON position.
3. Pull Platform Emergency Stop Switch to the ON position.
4. Deploy the Outriggers, this is done from the lower control panel, an audible warning will sound until the outriggers are fully deployed and the machine is level, ensure that all four individual outrigger lights are illuminated. Fine tuning of the chassis inclination can be achieved by holding each individual outrigger button and using the analog rocker. (ref: chassis controls illustration on page 5)
5. Visually inspect the elevating assembly, lift cylinder, cables, and hoses for cracked welds and structural damage, loose hardware, hydraulic leaks, loose wire connections, and erratic operation. Check for missing or loose parts.
6. Test each machine function (Lift, Slew, Jib) from the lower control station by pressing and holding the desired function button then moving the Analog Rocker to the Up or Down position (ref: chassis controls illustration on page 5)
7. Open the Emergency Lowering Valve (see Figure 3) by pulling the knob out to check for proper operation. When the platform is lowered, release the knob.
8. Push the Chassis Emergency Stop Switch to check for proper operation. All machine functions should be disabled. Twist the Chassis Emergency Stop Switch to resume.
9. Climb onto the cage.
10. Check that the route is clear of obstacles (persons, obstructions, debris), is level, and is capable of supporting the outrigger loads.
11. Mount the platform and properly close the drop bar.
12. Test each machine function (Lift, Slew, Jib) from the upper control station by pressing the desired function button then moving the Joystick to the Forward or Back position (ref: platform controls illustration on page 5)
13. Push the Platform Emergency Stop Switch to check for proper operation. All machine functions should be disabled. Pull out the Platform Emergency Stop Switch to resume.

OPERATION

Before operating the work platform, ensure that the Pre-Operation Safety Inspection has been completed and that any deficiencies have been corrected. **Never operate a damaged or malfunctioning machine.** The operator must be thoroughly trained on this machine.

ELEVATING THE PLATFORM

1. Ensure the outriggers are deployed and the machine is level.
2. Select either the lower or upper boom lift function button (the button will illuminate to confirm selection).
3. While engaging the Interlock Switch, push the Control Handle forward.
4. If the machine is not level the tilt alarm will sound and the machine will not lift.

LOWERING THE PLATFORM

1. Ensure the outriggers are deployed and the machine is level.
2. Select either the lower or upper boom lift function button (the button will illuminate to confirm selection).
3. While engaging the Interlock Switch, pull the Control Handle backwards.
4. If the machine is not level the tilt alarm will sound and the machine will not descend.

ROTATING THE PLATFORM

1. Ensure the outriggers are deployed and the machine is level.
2. Select the rotate function button (the button will illuminate to confirm selection).
3. While engaging the Interlock Switch, move the Control Handle forwards or backwards to achieve clockwise or counterclockwise rotation.
4. If the machine is not level the tilt alarm will sound and the machine will not rotate.

OPERATING THE JIB

1. Ensure the outriggers are deployed and the machine is level.
2. Select jib function button (the button will illuminate to confirm selection).
3. While engaging the Interlock Switch, move the Control Handle forwards or backwards to jib out or jib in.
4. If the machine is not level the tilt alarm will sound and the machine will not telescope.

EMERGENCY LOWERING

⚠ WARNING ⚠

If the platform should fail to lower, NEVER climb down the elevating assembly.

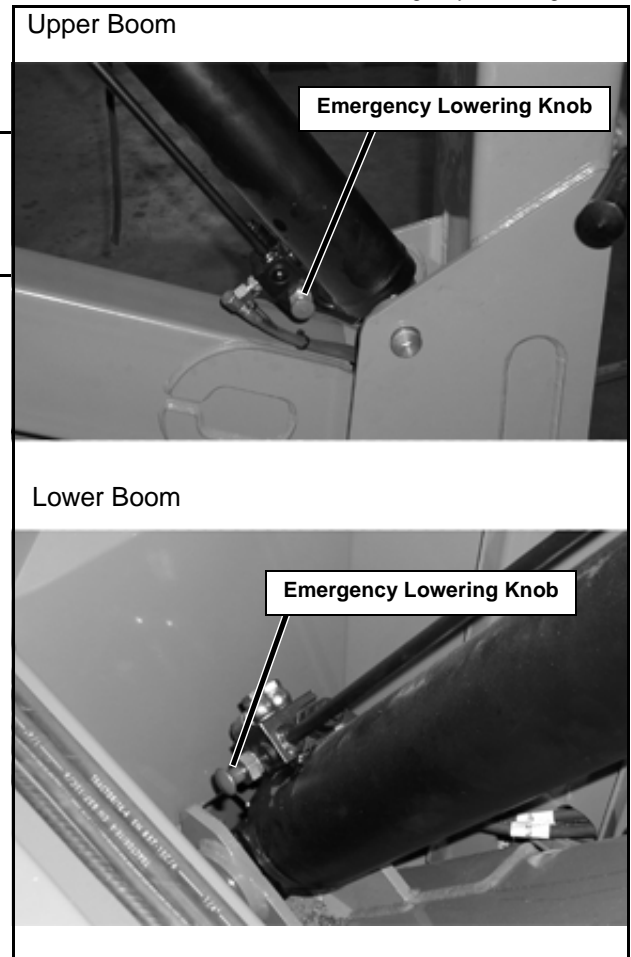
Stand clear of the elevating assembly while operating the Emergency Lowering Valve Knob.

TL38

The Emergency Lowering Valve for the TL38 is located on the valve block of each lift cylinder.

1. Open the Emergency Lowering Valve by pushing and holding the knob.
2. To close, release the knob. The platform will not elevate if the Emergency Lowering Valve is open.

Figure 3: Emergency Lowering Valve



TRANSPORTATION

CAUTION

The TL38 is not designed to be forklifted, and does not have provision on the Chassis to allow this method of lifting. **Ui** recommends the procedure below for handling the machine.

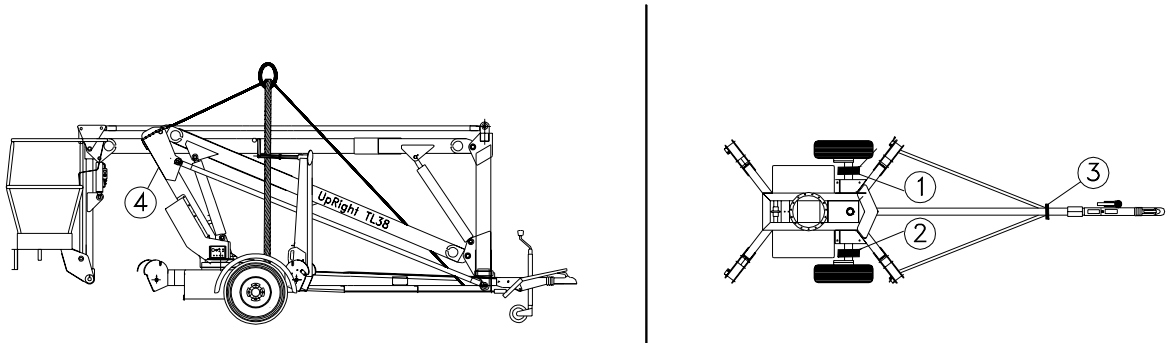
WARNING

See specifications at rear of manual for the weight of the work platform and be certain that lifting apparatus is of adequate capacity to lift the platform.

BY CRANE

The TL38 may be lifted by an overhead hoist crane in the following manner:

Two lifting straps capable of safely supporting the total weight of the TL38 (1468Kg (3,237lbs)), and at least 220cm long are required. This minimum length is important to ensure the correct lifting angle. The straps should be positioned as shown in.



The two lifting straps (Positions 1 & 2) should be positioned either side of the TL38's axle assembly at the points indicated. Care must be taken to ensure the straps do not interfere with any of the other part of the TL38.

Two securing lines (Positions 3 & 4) should also be used when lifting the TL38 Work Platform. These are used to maintain the balance of the TL38 but are **NOT to be considered as lifting points**. Position 3 shows the securing line around the Tow Bar where the Cycle Guard Frames meet. Position 4 shows the securing line around the First Post. This line should be secured below the Boom Rest, however care should be taken not to damage the Boom Rest Limit Switch or its cable on a TL38 with hydraulic outriggers.

BY ROAD

It is important that before commencing transport to ensure the vehicle used is capable of towing 2000kg.

The TL38 is a road approved vehicle and therefore may be transported behind a motor vehicle of suitable towing capacity. It is recommended that the vehicle used should have a tow bar where the top of the ball is at a height of between 1.42 ft (435 mm) and 1.64 ft (500 mm) above surface level. These dimensions are important for the following reasons;

1. The bottom of the Platform may be in danger of hitting the surface while driving if the tow hitch is above the upper limit.
2. The towing vehicle will support too much weight if the Towhitch is too low.

Care should always be taken while towing the TL38 on an uneven or sloped surface. It is recommended that the set of procedures that follow should be incorporated into a normal working practice for towing the TL38 Work Platform. The Procedures which should be followed when transporting the TL38 are

- 1.The Platform is to be fully lowered, retracted and slewed in the correct position.
- 2.The Platform is to be securely stowed by closing the boom lockdown.
- 3.The Jockey Wheel that is fitted to the Towhitch is to be extended until the Receiver is close to the height of the vehicle's tow bar.
- 4.The Hand Brake is pulled to engage the brakes (important if the machine is not on a level surface).
- 5.The Outriggers are to be fully retracted and secured in position.
- 6.The key is turned to the off position.
- 7.Move the vehicle as close as possible to the Receiver.
- 8.Lift the Towhitch on to the tow bar and make sure the Receiver is properly secured.
- 9.Release the Hand Brake and retract the Jockey Wheel.

It is important that the Jockey Wheel is retracted as fully as possible so that the wheel will not slew (turn) while being transported. Failure to do so could result in damage to the Jockey Wheel.

- 10.The tailboard harness is connected to the vehicle's braking system by means of a 7 Pin Plug.
- 11.Attach the Breakaway Safety Cable to the towing vehicle.

The TL38 may then be towed.

If the TL38 is to be transported by other means then it must be securely tied down to the transporting unit at several points.

Recommended securing points are the four outrigger support members on the Chassis and the Tow Bar-weldment. Further securing points should be used if the terrain on which the unit is travelling is rough or uneven. Care should be taken when using tie downs that sensitive parts of the TL38 (i.e. hosing, cabling etc.) are not affected.

ALWAYS ensure that the Hand Brake is fully applied, that all the booms are FULLY stowed and that the Boom Lock Down Pin is in place.

HOURLY METER

To access the hour meter function perform the following steps.

1. Climb into the basket (with the machine powered up)
2. Push the platform emergency stop button.
3. Hold down the following buttons, Jib and Upper Boom Lift.
4. While holding the buttons twist the emergency stop button to return power to the machine.
5. "hr" will now be displayed on the readout, Pressing the right turn button will scroll through the accumulated hours two digits at a time. For example, if pressing the right turn button once displays "20", pressing it a 2nd time displays "58", and pressing it a 3rd time displays "hr", the elapsed time of operation is 2058 hours.

BATTERY MAINTENANCE

W A R N I N G

Hazard of explosive gas mixture. Keep sparks, flame, and smoking material away from batteries.

Always wear safety glasses when working near batteries.

Battery fluid is highly corrosive. Thoroughly rinse away any spilled fluid with clean water.

*Always replace batteries with **Ui** batteries or manufacturer approved replacements weighing 26,3 kg (58 lbs.) each.*

- Check the battery fluid level daily, especially if the work platform is being used in a warm, dry climate.
- If electrolyte level is lower than 10 mm ($\frac{3}{8}$ in.) above the plates add distilled water only. DO NOT use tap water with high mineral content, as it will shorten battery life.
- Keep the terminals and tops of the batteries clean.
- Refer to the Service Manual to extend battery life and for complete service instructions.

BATTERY CHARGING

Charge the batteries at the end of each work shift or sooner if the batteries have been discharged.

W A R N I N G

Charge the batteries in a well ventilated area.

Do not charge the batteries when the work platform is near a source of sparks or flames.

Permanent damage to the batteries will result if the batteries are not immediately recharged after discharging.

Never leave the battery charger operating for more than two days.

Never disconnect the cables from the batteries when the charger is operating.

Keep the charger dry.

1. Check the battery fluid level. If the battery fluid level is lower than 10 mm ($\frac{3}{8}$ in.) above the plates add distilled water only.
2. Connect an appropriate extension cord to charger outlet plug in Left Module Door. Plug the extension cord into a properly grounded outlet of proper voltage and frequency.
3. The charger turns on automatically after a short delay. The LED charge indicator will illuminate. After completion of the charge cycle the LED will blink, indicating that the charger is in a continuing maintenance mode. DO NOT leave the charger plugged in for more than 48 hours, as permanent damage to the batteries may occur.

NOTE: The battery charger circuit must be used with a GFI (Ground Fault Interrupt) outlet.

NOTE: DO NOT operate the machine while the charger is plugged in.

INSPECTION AND MAINTENANCE SCHEDULE

The Complete Inspection consists of periodic visual and operational checks, along with periodic minor adjustments that assure proper performance. Daily inspection will prevent abnormal wear and prolong the life of all systems. The inspection and maintenance schedule should be performed at the specified intervals. Inspection and maintenance shall be performed by personnel who are trained and familiar with mechanical and electrical procedures.

⚠ WARNING ⚠

*Before performing preventative maintenance, familiarize yourself with the operation of the machine.
Always block the elevating assembly whenever it is necessary to perform maintenance while the platform is elevated.*

The daily preventative maintenance checklist has been designed for machine service and maintenance. Please photocopy this page and use the checklist when inspecting the machine.

DAILY PREVENTATIVE MAINTENANCE CHECKLIST

MAINTENANCE TABLE KEY

Y = Yes/Acceptable

N = No/Not Acceptable

R = Repaired/Acceptable

PREVENTATIVE MAINTENANCE REPORT

Date: _____

Owner: _____

Model No: _____

Serial No: _____

Serviced By: _____

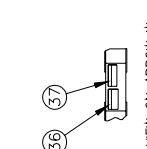
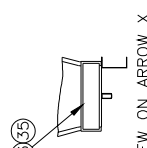
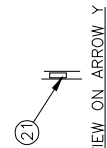
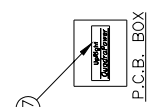
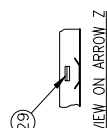
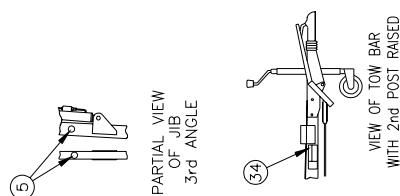
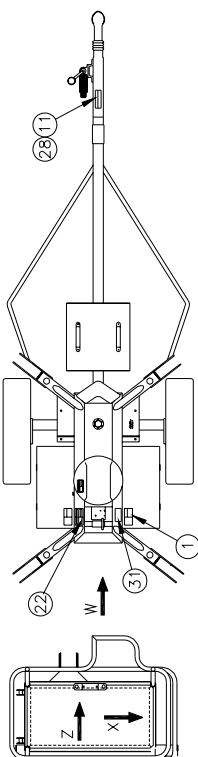
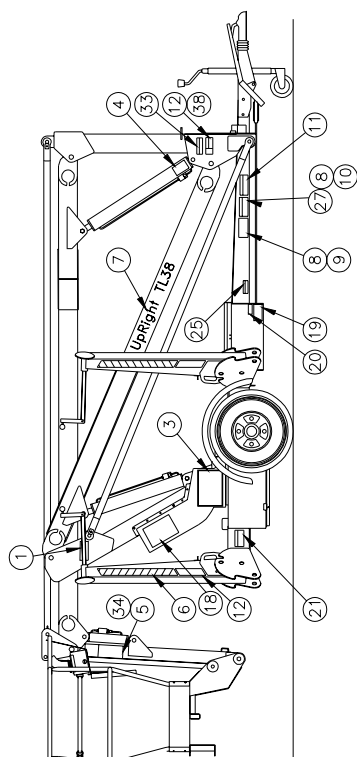
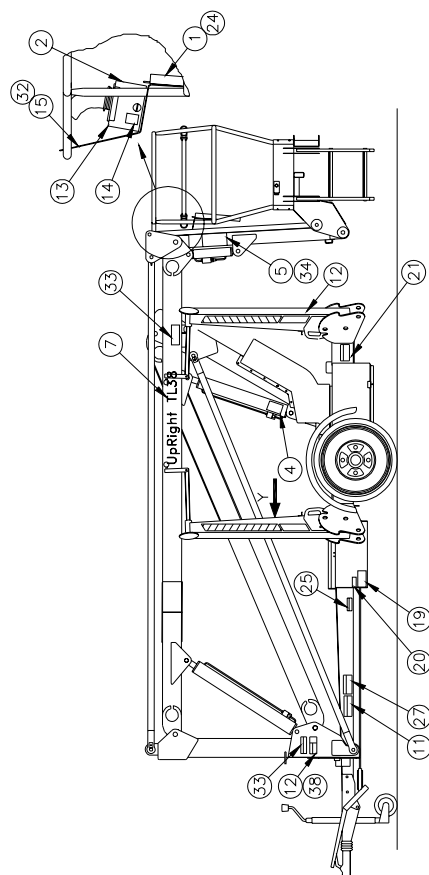
COMPONENT	INSPECTION OR SERVICES	Y	N	R
Battery	Check electrolyte level.			
	Check battery cable condition.			
Chassis	Check hoses for pinch or rubbing points.			
	Check welds for cracks.			
Control Cable	Check the exterior of the cable for pinching, binding or wear.			
Controller	Check switch operation.			
Drive Motors	Check for operation and leaks.			
Elevating Assembly	Inspect for structural cracks.			
Emergency Lowering System	Operate the emergency lowering valve and check for serviceability.			
Entire Unit	Check for and repair collision damage.			

COMPONENT	INSPECTION OR SERVICES	Y	N	R
Hydraulic Fluid	Check fluid level.			
Hydraulic Pump	Check for hose fitting leaks.			
Hydraulic System	Check for leaks.			
Labels	Check for peeling, missing, or unreadable labels & replace.			
Platform Deck and Rails	Check welds for cracks.			
Platform Deck and Rails	Check condition of deck.			
Tires and Wheels	Check for damage.			

LABELS

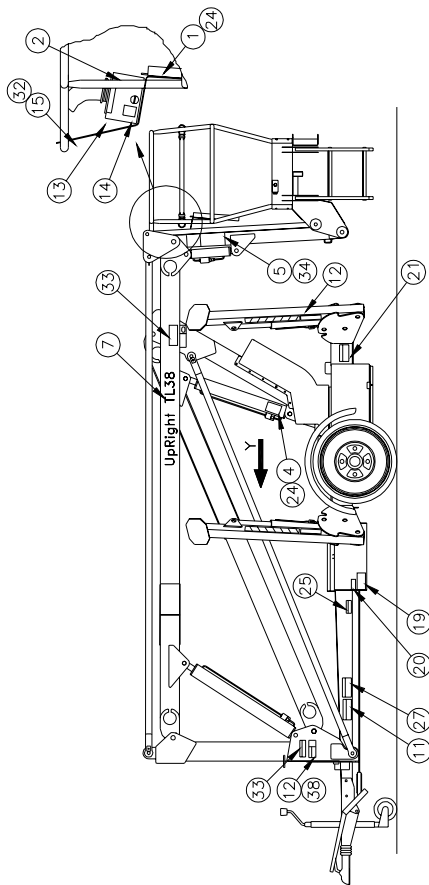
These labels shall be present and in good condition before operating the work platform. Be sure to read, understand and follow these labels when operating the work platform.

ITEM	PART NO.	DESCRIPTION	QTY.
1	057421-000	DECAL - ELECTROCUTION HAZARD	2
2	057420-000	DECAL - TIP OVER HAZARD	1
3	058608-001	DECAL - LOWER CONTROL BOX	1
4	057382-000	DECAL - EMERGENCY LOWERING	2
5	058860-000	DECAL - HAND HAZARD	3
6	057385-000	HAZARD TAPE (900mm LONG)	8
7	058609-000	DECAL - "Ui" LOGO	2
8	057339-001	PLASTIC PUSH RIVET	2
9	058838-000	E.U. NAME PLATE	1
10	058836-000	V.I.N. PLATE	1
11	057416-000	DECAL - BEFORE TOWING	1
12	057418-000	DECAL - LOCK OUTRIGGER TOWING	2
13	058607-000	DECAL - UPPER CONTROL BOX	1
14	058186-000	DECAL - ON/OFF UPPER CONTROL	1
15	058016-000	DECAL - MACHINE GENERAL INSTR.	1
16	057392-000	DECAL - S.W.L. LARGE CE	1
17	057387-000	DECAL - UPPER QUADRAPOWER	1
19	057430-000	DECAL - EXPLOSION HAZARD	2
20	057429-000	DECAL - BATTERY FLUID LEVEL	2
21	057417-000	DECAL - TIP OVER HAZARD	4
22	057507-010	DECAL - ARROW	2
23	058992-000	DECAL - BOOM LOCK PIN	1

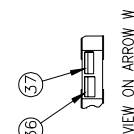
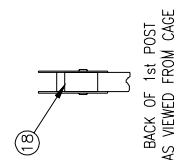
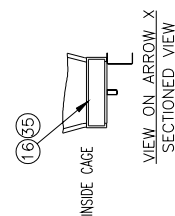
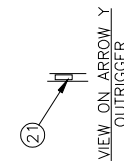
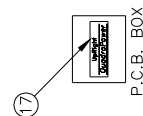
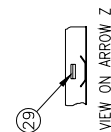
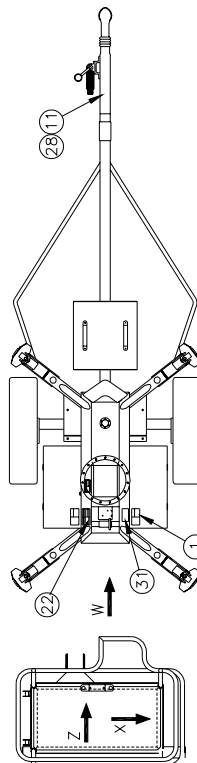
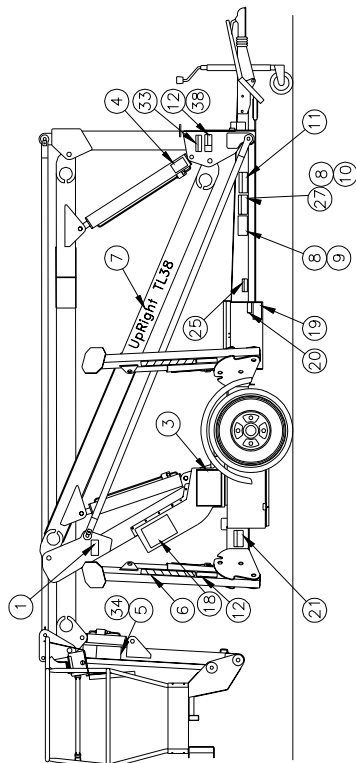
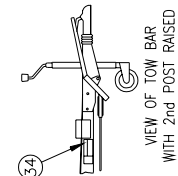
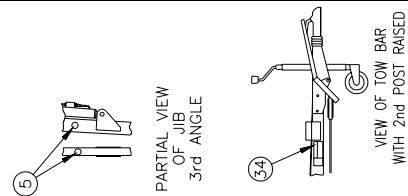


LABELS

These labels shall be present and in good condition before operating the work platform. Be sure to read, understand and follow these labels when operating the work platform.



ITEM	PART NO.	DESCRIPTION
1	057421-000	DECAL - ELECTROCUTION HAZARD
2	057420-000	DECAL - TIP OVER HAZARD
3	058608-000	DECAL - LOWER CONTROL BOX
4	057382-000	DECAL - EMERGENCY LOWERING
5	058860-000	DECAL - HAND HAZARD
6	057385-000	HAZARD TAPE (900mm LONG)
7	058609-000	DECAL - "Ui" LOGO
8	057339-001	PLASTIC PUSH RIVET
9	058838-000	E.U. NAME PLATE
10	058836-000	V.I.N. PLATE
11	057416-000	DECAL - BEFORE TOWING
12	057418-000	DECAL - LOCK OUTRIGGER TOWING
13	058607-000	DECAL - UPPER CONTROL BOX
14	058186-000	DECAL - ON/OFF UPPER CONTROL
15	058016-000	DECAL - MACHINE GENERAL INSTR.
16	057392-000	DECAL - S.W.L. LARGE CE
17	057387-000	DECAL - UPPER QUADRAPOWER
18	-	-
19	057430-000	DECAL - EXPLOSION HAZARD
20	057429-000	DECAL - BATTERY FLUID LEVEL
21	057417-000	DECAL - TIP OVER HAZARD
22	057507-010	DECAL - ARROW
23	058992-000	DECAL - BOOM LOCK PIN



SPECIFICATIONS

ITEM	MANUAL OUTRIGGERS	HYDRAULIC OUTRIGGERS
Duty Cycle	30% of 8 hour cycle	30% of 8 hour cycle
Platform Size	0.7m x 1.3m [2.3ft x 4.3ft] (inside guardrails)	0.7m x 1.3m [2.3ft x 4.3ft] (inside guardrails)
Max. Platform Capacity	215kg [473lbs]	215kg [473lbs]
Max. # of Occupants	2 People	2 People
Height		
Maximum Working Height	13.45m [44.1ft]	13.49m [44.3ft]
Maximum Platform Height	11.45m [38ft]	11.49m [38ft]
Min. Platform Height	0.65m [2.1ft]	0.65m [2.1ft]
Max. Working Outreach	6m [19.7ft]	6m [19.7ft]
Travelling Dimensions:		
Length	6.08m [19.9ft]	6.08m [19.9ft]
Width	1.53m [5.0ft]	1.53m [5.0ft]
Height	2.00m [6.6ft]	2.00m [6.6ft]
Outrigger Spread	(front-rear x side-side)	(front-rear x side-side)
Max. Clearance	3.40m x 3.42m [11.2ft x 11.2ft]	3.39m x 3.45m [11.1ft x 11.3ft] *
Min. Effective Clearance	3.25m x 3.27m [10.7ft x 10.7ft]	3.46m x 3.56m [11.4ft x 11.7ft]** 3.16m x 3.22m [10.4ft x 10.6ft]* 3.24m x 3.33m [10.6ft x 10.9ft]**
Rotation	370 degrees non-continuous	370 degrees non-continuous
Gross Weight	1468kg [3,237lbs]	1468kg [3,237lbs]
Maximum Towable Speed	83km/h [50mph]***	83km/h [50mph]***
Power Source	24V DC 4HP, 4 X 6V 220Ah Batteries	24V DC 4HP, 4 X 6V 220Ah Batteries
System Voltage	24V DC	24V DC
Battery Charger	24V 25A 220/110VAC 50/60 Hz	24V 25A 220/110VAC 50/60 Hz
Hydraulic Tank Capacity	15 Litres [3.9 Gallons US]	15 Litres [3.9 Gallons US]
Max. Hydraulic Pressure	155 Bar [2,250psi]	155 Bar [2,250psi]
Hydraulic Oil	ISO #46	ISO #46
Lift System	2 Double Acting Lift Cylinders With	2 Double Acting Lift Cylinders With
	Lock Valves And Manual Emergency Lowering Facility. 1 Double Acting Lift (Jib) Cylinder	Lock Valves And Manual Emergency Lowering Facility. 1 Double Acting Lift (Jib) Cylinder
Control System	One handed Proportional Joystick Operating Energy Efficient Motor Control System.	One handed Proportional Joystick Operating Energy Efficient Motor Control System.
Tyres	185 R13 6PLY	185 R13 6PLY
Brake System	Automatic Reverse & Overrun Brakes Handbrake	Automatic Reverse & Overrun Brakes Handbrake
Maximum Continuous Sound Pressure Level At Operation Stations	74.6 dB(A)	74.6 dB(A)

* Outriggers Deployed at full height = Minimum footprint

** Outriggers Deployed at min. height = Maximum footprint

*** Subject to local regulations

*Specifications are subject to change without notice. Hot weather or heavy use may affect performance.

Refer to the Service Manual for complete parts and service information.

This machine meets or exceeds all applicable CE and GS machinery directive requirements.



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