

Operator Manual

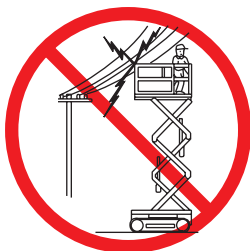
X Series

Serial No. 15020 to Current

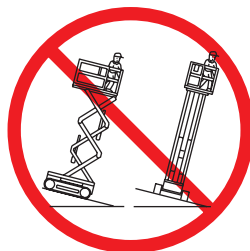
WARNING

All personnel shall carefully read, understand and follow all safety rules, operating instructions, and the Scaffold Industry Association's **MANUAL OF RESPONSIBILITIES of ANSI A92.6-1999** before operating or performing maintenance on any UpRight Aerial Work Platform.

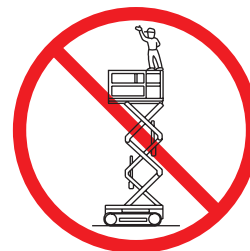
Safety Rules



NEVER operate the machine within ten feet of power lines.
THIS MACHINE IS NOT INSULATED



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



NEVER sit, stand or climb on guardrail or midrail.

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

NEVER operate the machine if all guardrails are not properly in place and secured with all fasteners properly torqued.

SECURE chain or gate across entrance after mounting platform.

NEVER use ladders or scaffolding on the platform.

NEVER attach overhanging loads or increase platform size.

LOOK up, down and around for overhead obstructions and electrical conductors.

DISTRIBUTE all loads evenly on the platform. See the back cover for maximum platform load.

NEVER use damaged equipment. (Contact UpRight for instructions. See toll-free phone number on back cover.)

NEVER change operating or safety systems.

INSPECT the machine thoroughly for cracked welds, loose hardware, hydraulic leaks, damaged control cable, loose wire connections and wheel bolts.

NEVER climb down elevating assembly with the platform elevated.

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

NEVER recharge batteries near sparks or open flame; batteries that are being charged emit highly explosive hydrogen gas.

AFTER USE secure the work platform against unauthorized use by turning key switch off and removing key.

NEVER replace any component or part with anything other than original UpRight replacement parts without the manufacturer's consent.

INTRODUCTION

This manual covers operation of the X Series Self Propelled Work Platforms. **This manual must be stored on the machine at all times.**

PRE-OPERATION AND SAFETY INSPECTION

Carefully read, understand and follow all safety rules, operating instructions, labels, and the Scaffold Industry Association's MANUAL OF RESPONSIBILITIES. Perform the following steps each day before use.

1. Open module covers and inspect for damage, oil leaks, or missing parts.
2. Check the level of the hydraulic oil with the platform fully lowered. Open the Left Module and remove the reservoir cap. Oil should be visible in the filler screen. Add hydraulic fluid if necessary.
3. Check that fluid level in the batteries is correct (See "Battery Maintenance" on page 11.).
4. Verify that batteries are charged.
5. Check that A.C. extension cord has been disconnected from charger.
6. Check that all guardrails are in place with all fasteners properly tightened.
7. Check that the slide out deck extension is secured with the pin.
8. Inspect the machine thoroughly for cracked welds, loose or missing hardware, hydraulic leaks, damaged control cable, loose wire connections and wheel bolts.
9. Close and secure module covers.
10. Move the machine, if necessary, to an unobstructed area to allow for full elevation.
11. Pull Chassis EMERGENCY STOP Switch to the ON position.
12. Pull Platform EMERGENCY STOP Switch to the ON position.

Figure 1: Chassis Controls

13. Turn and hold the Chassis Key Switch to CHASSIS.
14. Push the Chassis Lift/Lower Switch to LIFT to elevate the platform until the Scissor Brace can be rotated to the vertical position. Block the elevating assembly as described on page 10.
15. Visually inspect the elevating assembly, lift cylinder, cables and hoses for cracked welds, loose hardware, hydraulic leaks, loose wire connections and erratic operation. Check for missing or loose parts.
16. Verify that the depression mechanism has deployed into position under each module. Remove the scissor brace as described on page 10.
17. Push the Chassis Lift/Lower Switch to LIFT and fully elevate the platform.
18. Partially lower the platform by pushing the Chassis Lift/Lower Switch to LOWER, and check operation of the audible lowering alarm.

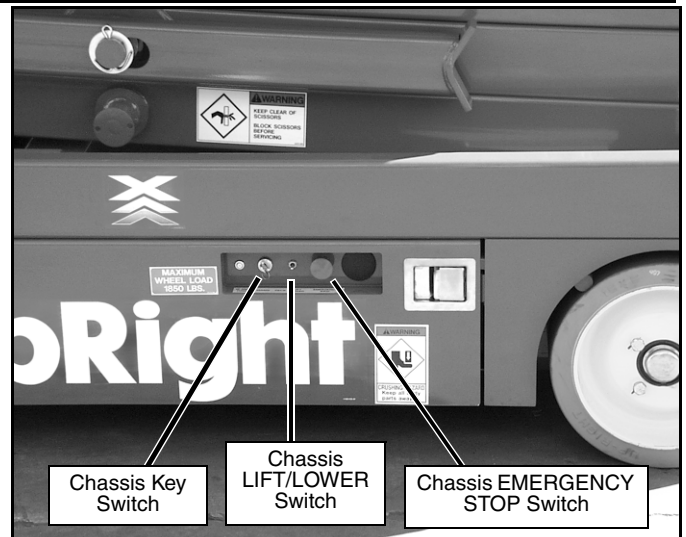


Figure 2: Emergency Lowering

19. Pull out on the Emergency Lowering Knob to check for proper operation. Once the platform has lowered, release the knob.
20. Push the Chassis EMERGENCY STOP Switch to check for proper operation. All the machine functions should be disabled. Pull out the EMERGENCY STOP Switch to resume.
21. Turn the Chassis Key Switch to DECK.
22. Check that the route is clear of obstacles (persons, obstructions, holes, drop-offs, bumps, and debris), is level, and capable of supporting the wheel loads.
23. Mount the platform and properly close the entrance.

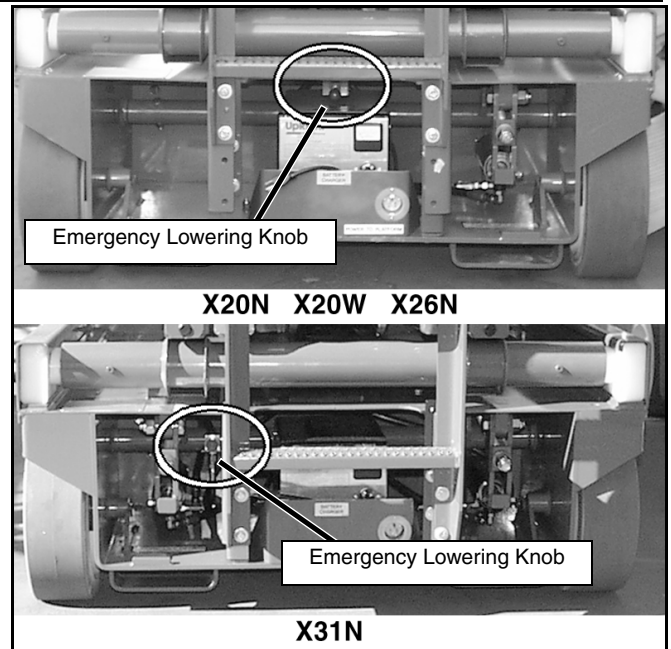
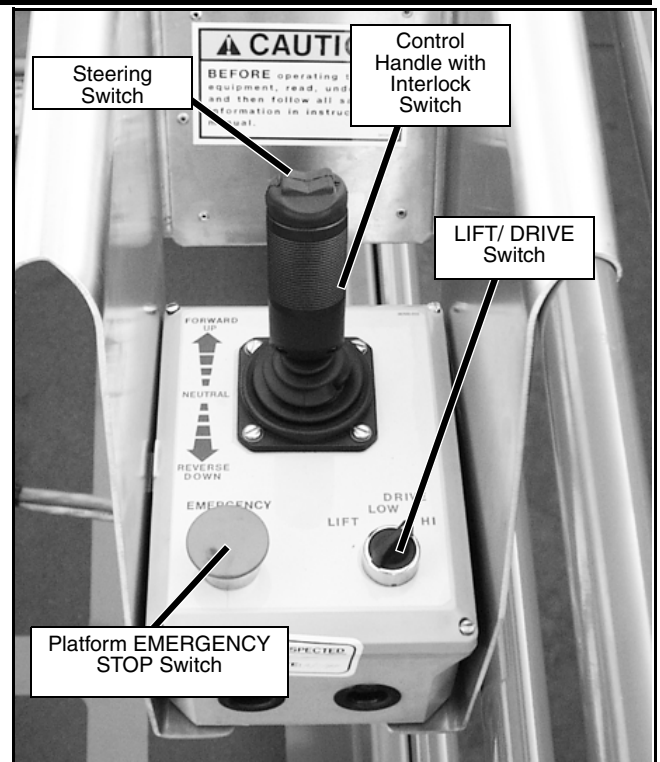


Figure 3: Platform Controls

24. PLATFORM CONTROLS, Turn Lift/Drive Switch to DRIVE.

NOTE: Use both HI and LOW drive (if applicable) when performing the following step.

25. Engage the Interlock Switch and move the Control Handle FORWARD, then REVERSE, to check for speed control.
26. Push the Steering Switch RIGHT, then LEFT, to check for steering control.
27. Turn the Lift/Drive Switch to LIFT.
28. Engage the Interlock Switch and move the Control Handle forward to check platform lift controls. Raise the platform to full elevation.
29. Pull back on the Control Handle. The platform should descend and the audible lowering alarm should sound.
30. Lower the platform completely.
31. Push the Platform EMERGENCY STOP Switch to check for proper operation. All the machine functions should be disabled. Pull out the Platform EMERGENCY STOP Switch to resume.

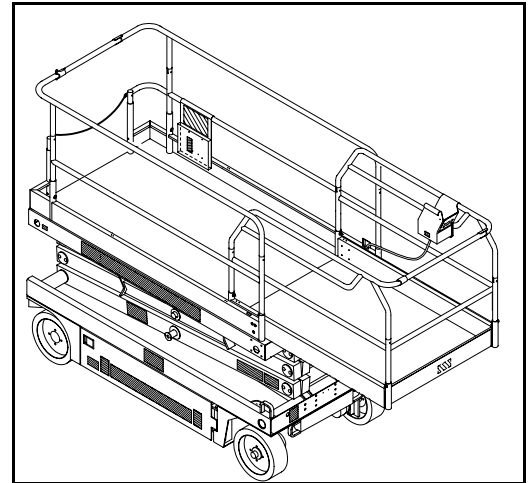


Before operating work platform, ensure that the pre-operation safety inspection has been completed, and that any deficiencies have been corrected. **Never operate a damaged or malfunctioning machine.** The operator must be thoroughly trained on this machine, and must read, fully understand, and follow this Operator Manual and Scaffold Industry Association's Manual of Responsibilities of ANSI A92.6-1999.

PLATFORM EXTENSION

Figure 4: Platform Extension

1. Mount the platform and properly close the entrance.
2. Depress the foot lever located at the rear of the platform extension. Push the platform extension forward until the pin engages the front stop.
3. To retract the platform extension, depress the foot lever and pull the platform extension toward the rear of the machine until the pin engages the rear stop.



TRAVEL WITH PLATFORM LOWERED

1. Check that the route is clear of obstacles (persons, obstructions, holes, drop-offs, bumps, and debris), is level, and capable of supporting the wheel loads.
2. Turn the Chassis Key Switch to DECK.
3. Pull Chassis EMERGENCY STOP Switch to the ON position.
4. Mount the platform and properly close the entrance.
5. Check clearances above, below and to the sides of platform.
6. Pull Platform EMERGENCY STOP Switch to the ON position.
7. Turn Lift/Drive Switch to DRIVE.

NOTE: Turn Lift/Drive Switch to HI (if applicable) for traveling on level ground, or to LOW when extra torque is required for climbing grades.

8. Engage the Interlock Switch and move the Control Handle to FORWARD or REVERSE to travel in the desired direction. The speed of the machine will vary depending on how far from center the Control Handle is moved.

STEERING

1. Turn the Lift/Drive switch to DRIVE.
2. Engage the Interlock Switch, push the Steering Switch RIGHT or LEFT to turn the wheels in the desired direction. Observe the tires while operating the machine to ensure proper direction.

NOTE: Steering is not self-centering. Wheels must be returned to the straight ahead position by operating the Steering Switch.

ELEVATING THE PLATFORM

1. Select a firm, level surface.
2. Turn the Lift/Drive Switch to LIFT.
3. Engage the Interlock Switch and push the Control Handle forward.
4. If the machine is not level the tilt alarm will sound and the machine will not lift or drive. **If the tilt alarm sounds the platform must be lowered and the machine moved to a firm level surface before attempting to re-elevate the platform.**

TRAVEL WITH WORK PLATFORM ELEVATED

NOTE: The machine will travel at reduced speed when the platform is elevated.

1. Check that the route is clear of obstacles (persons, obstructions, holes, drop-offs, bumps, and debris), is level, and capable of supporting the wheel loads.
2. Check clearances above, below and to the sides of platform.
3. Turn the Lift/Drive Switch to DRIVE.
4. Engage the Interlock Switch and move the Control Handle to FORWARD or REVERSE to travel in the desired direction. The speed of the machine will vary depending on how far from center the Control Handle is moved.
5. If the machine is not level, the tilt alarm will sound and the machine will not lift or drive. **If the tilt alarm sounds, the platform must be lowered and the machine moved to a firm level surface before attempting to re-elevate the platform.**

LOWERING THE PLATFORM

1. Turn the Lift/Drive Switch to LIFT.
2. Engage the Interlock Switch and pull back on the Control Handle to lower the platform.

EMERGENCY LOWERING

! WARNING !

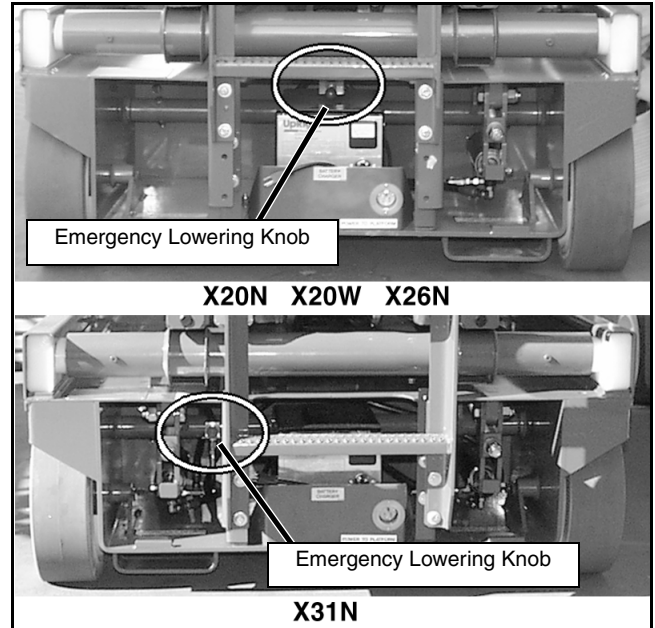
If the platform should fail to lower, **NEVER** climb down the elevating assembly.

Figure 5: Emergency Lowering Valve Handle

The Emergency Lowering Valve for the X20N, X20W, and X26N is located at the rear of the machine, above the charger.

The Emergency Lowering Valve for the X31N is located at the rear of the machine, to the left of the charger.

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



LOWER THE GUARDRAILS, X26N

This procedure applies only to the X26N model for the purpose of passing through a standard double doorway. **Guardrails must be returned to proper position before using the machine.**

LOWERING PROCEDURE

1. Ensure that the slide out deck extension is fully retracted and deck pin is locked. Place the Platform Controls on the platform.
2. Remove and retain the set screws from the side guardrails and the rollout deck guardrails.
3. Pull the four retaining pins and lower the rollout deck guardrail completely.
4. Pull the two retaining pins and lower the rear guardrail until it rests on the stop screws.
5. Pull the two retaining pins and lower the side guardrails completely.
6. Raise the rear guardrail until the retaining pins engage. Remove and retain the stop screws and nuts from the rear guardrail.
7. Pull the two retaining pins and lower the rear guardrail completely.

RAISING PROCEDURE

1. Raise the rear guardrail until the retaining pins engage.
2. Install the stop screws and nuts on the rear guardrail and torque to 31 ft. lbs (42 N-m).
3. Pull the two retaining pins and lower the rear guardrail until it rests on the stop screws.
4. Pull the two retaining pins and raise the side guardrails until the tops are level with the rear guardrail.
5. Raise the rear guardrail until the retaining pins engage.
6. Pull the four retaining pins and raise the roll out deck guardrail until the top is level with the side guardrails.
7. Hang the controller on the roll out deck guardrail.
8. Install the set screws and torque to 31 ft. lbs (42 N-m).

FOLD DOWN GUARDRAILS, X31N

This procedure applies only to the X31N model for the purpose of passing through a standard double doorway. **Guardrails must be returned to proper position before using the machine.**

FOLD DOWN PROCEDURE

1. Unhook the controller from the side guardrail and place it on the platform.
2. Pull the retaining pin on the front guardrail and rotate inwards.
3. Pull the retaining pin on the rear guardrail and rotate inwards.
4. Starting with the rollout deck guardrails and then the outer guardrails, lift up on each guardrail and fold inwards.

ERECTION PROCEDURE

1. Starting with the outer guardrails and then the rollout deck guardrails, raise each guardrail and drop it down securing it in the vertical position.
2. Rotate the front and rear upper guardrails outward and secure them to the opposite side guardrails using the retaining pins.
3. Hang the controller on the side guardrail.

W A R N I N G

Before operating machine, guardrails must be securely fastened in their proper position.

AFTER USE EACH DAY

1. Ensure that the platform is fully lowered.
2. Park the machine on a firm, level surface, preferably under cover, secure against vandals, children, and unauthorized operation.
3. Turn the Key Switch to **OFF** and remove the key to prevent unauthorized operation.

PARKING BRAKE RELEASE

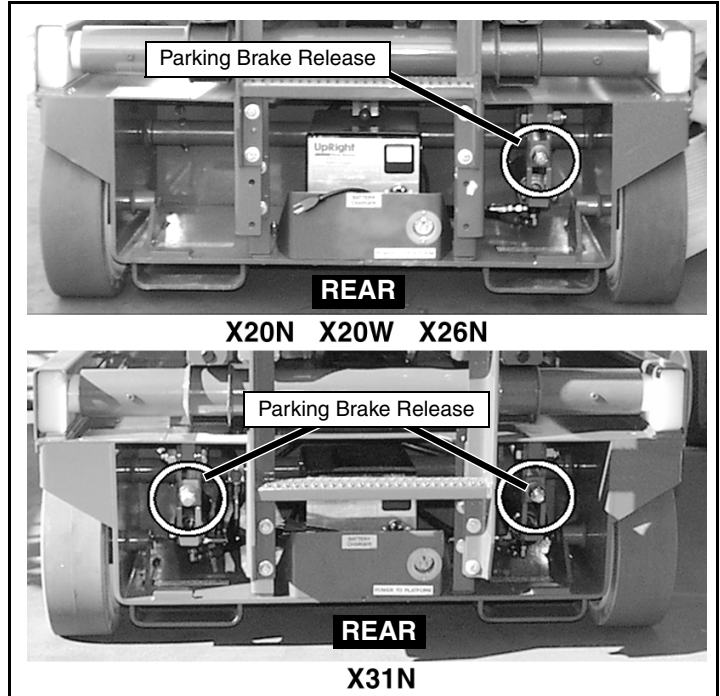
Perform the following only when the machine will not operate under its own power and it is necessary to move the machine or when winching onto a trailer to transport.

NOTE: X31N models have two identical brake adjustment nuts located on both sides of the ladder. The X20N, X20W, and X26N have only one.

Figure 6: Parking Brake Release

The Brake Adjustment/Release Nut(s) is/are located at the rear of the machine to the right and/or left of the ladder.

1. To release the brakes turn the nut(s) counterclockwise until the brakes disengage the tires.
2. The machine will now roll when pushed or pulled.
3. To re-engage the brakes, turn the nut(s) clockwise until the brakes have fully engaged the tires. Verify that the brakes have fully engaged the rear tires before operating the machine by testing their ability to hold the machine on a 23% grade.



! WARNING !

Never tow faster than 1 ft./sec. (0,3m/sec.)

Never operate work platform with the parking brakes released. Serious injury or damage could result.

TRANSPORTING THE WORK PLATFORM

BY CRANE

Secure straps to Lugs only.

BY FORKLIFT

! WARNING !

Forklifting is for transporting only.

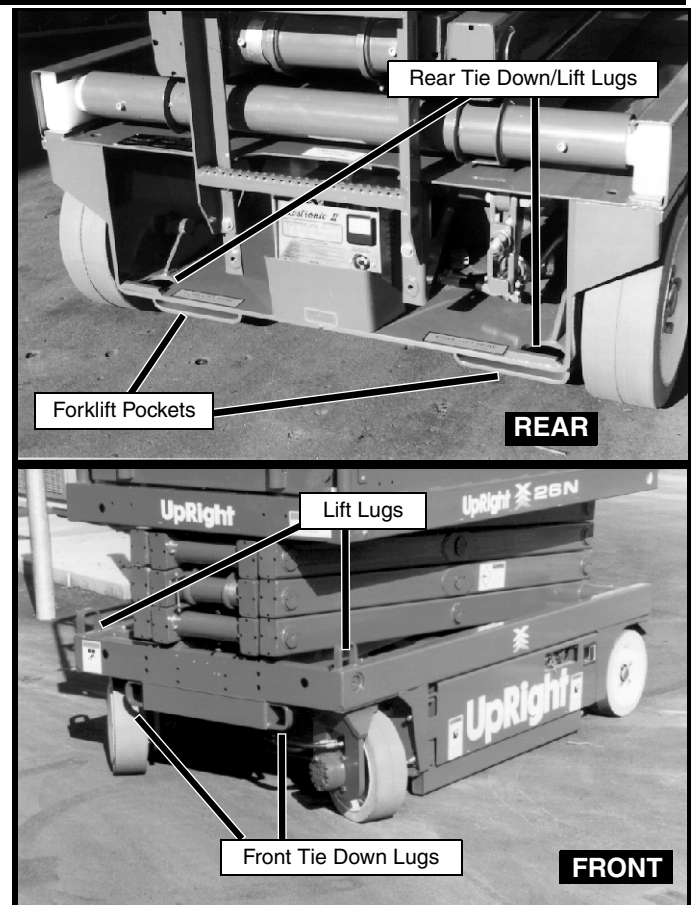
See specifications for weight of the work platform and be certain that forklift is of adequate capacity to lift the platform.

Figure 7: Transporting the Work Platform

Forklift from the rear of the machine using the forklift pockets provided. If necessary, the machine may be fork-lifted from the side by lifting under the Chassis Modules.

BY TRUCK

1. Maneuver the work platform into transport position and chock the wheels. The platform must be in the fully lowered position for transport.
2. Secure the work platform to the transport vehicle by attaching chains or straps of adequate load capacity to the front and rear Tie Downs.



! CAUTION !

Front tie down lugs are not to be used to lift work platform.

Overtightening of chains or straps attached to tie down lugs may result in damage to work platform.

! WARNING !

Never perform service while platform is elevated without first blocking the elevating assembly.

DO NOT stand in elevating assembly area while deploying or storing brace.

DO NOT block elevating assembly with a load on the platform.

Figure 8: Blocking the Elevating Assembly

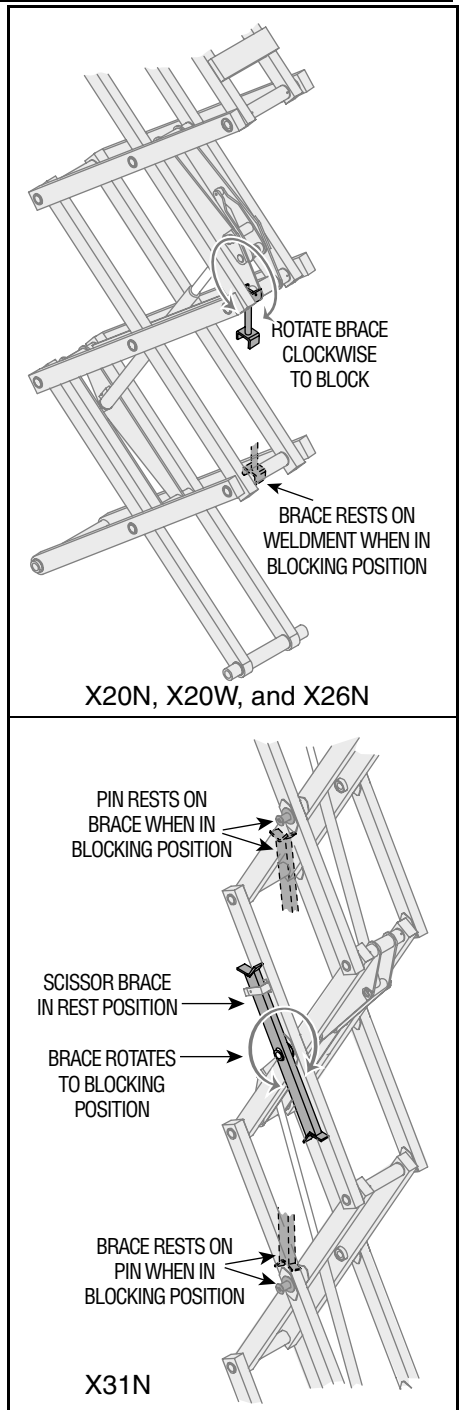
BLOCKING ELEVATING ASSEMBLY

INSTALLATION

1. Park the work platform on a firm level surface.
2. Pull Chassis EMERGENCY STOP Switch to the ON position.
3. Pull Platform EMERGENCY STOP Switch to the ON position.
4. Turn and hold the Chassis Key Switch to CHASSIS.
5. Push the Chassis Lift/Lower Switch to LIFT to elevate the platform until the Scissor Brace can be rotated to the vertical position.
6. X20N, X20W, and X26N-From rear of machine, lift the Scissor Brace from its stowed position. Rotate upward and outward then down until it is hanging vertical below its attachment point.
7. X31N-From the left side of the machine, pull the locking pin securing the brace. Rotate the Scissor Brace counterclockwise until it is in the vertical position.
8. Lower the platform by pushing the Chassis Lift/Lower Switch to LOWER and gradually lower the platform until the Scissor Brace is supporting the platform.

REMOVAL

1. Using the Chassis Controls, gradually elevate the platform until the Scissor Brace is clear.
2. X20N, X20W, and X26N-Rotate Scissor Brace outward and upward over its mounting point until it rests in the stowed position.
3. X31N-Rotate scissors brace clockwise until the locking pin engages.
4. Lower the platform by pushing the Chassis Lift/Lower Switch to LOWER to completely lower the platform.



BATTERY MAINTENANCE

! WARNING !

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

Always wear safety glasses when working near batteries.

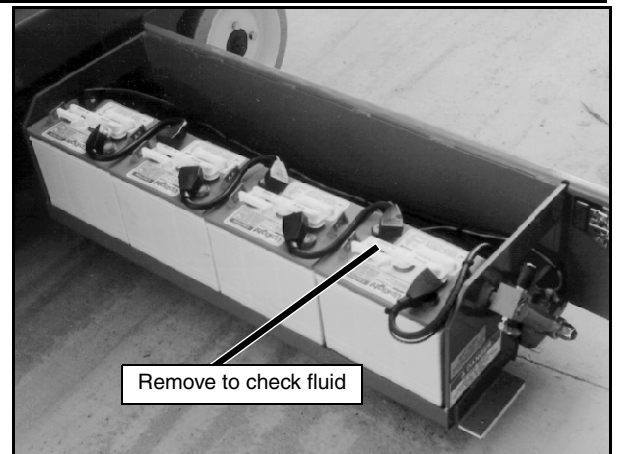
Battery posts, terminals and related accessories contain lead and lead compounds, chemicals known to the State of California to cause cancer and reproductive harm. **Wash hands after handling.**

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

Always replace batteries with UpRight batteries or manufacturer approved replacements weighing 62 lbs. (28 kg.) each.

Figure 9: Power Module

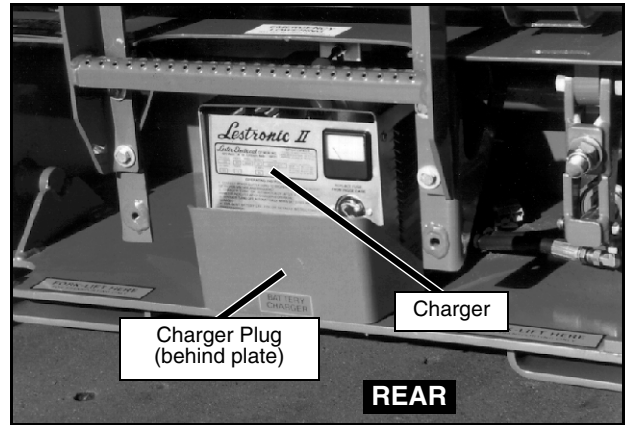
- Check the battery fluid level daily, especially if the work platform is being used in a warm, dry climate.
- If the electrolyte level is lower than 3/8 in. (10 mm) above the plates, add distilled water only. DO NOT use tap water with high mineral content, as it will shorten battery life.
- The battery and cables should be inspected regularly for signs of cracks in the case, electrolyte leakage and corrosion of the terminals. Inspect cables for worn spots or breaks in the insulation and for broken cable terminals. Keep terminals and tops of batteries clean.
- Refer to the Service Manual to extend battery life and for complete service instructions.



BATTERY CHARGING

Figure 10: Battery Charger

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



! WARNING !

Charge batteries only in a well ventilated area.

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

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

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

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

Keep the battery charger dry.

1. Check battery fluid level. If electrolyte level is lower than 3/8 in. (10 mm) above plates add distilled water only.
2. Connect an extension cord to the battery charger plug. Plug the extension cord (12 gauge [1.5 mm²] minimum conductor diameter; 50 ft. [15m] maximum length) to properly grounded outlet of correct voltage and frequency.
3. The battery charger turns on automatically after a short delay.

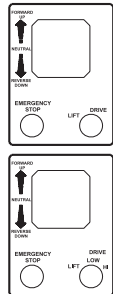
NOTE: The battery charger circuit must be used with a GFI (Ground Fault Circuit Interrupt) outlet.

DO NOT operate the machine while charger is plugged in.

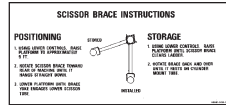
066554-000
1 Required



066560-010
1 Required
X20W, X26N, X31N



066560-011
1 Required
X20N



066561-000
1 Required
X20N, X20W, X26N



066561-002
1 Required
X31N

005221-000
1 Required



062562-001
1 Required



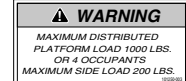
066552-000
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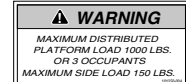
101250-002
2 Required
X20N



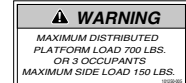
101250-003
2 Required
X20W



101250-004
2 Required
X26N



101250-005
2 Required
X31N



066559-000
1 Required



101252-004
1 Required
X20N, X20W



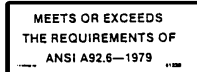
101252-005
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X26N



101252-006
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X31N



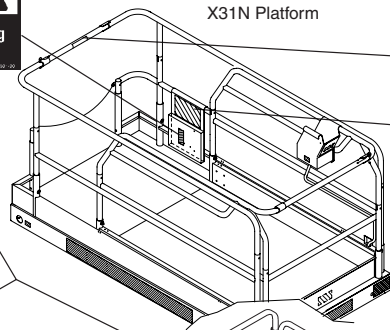
061220-002
1 Required



066556-001
4 Required



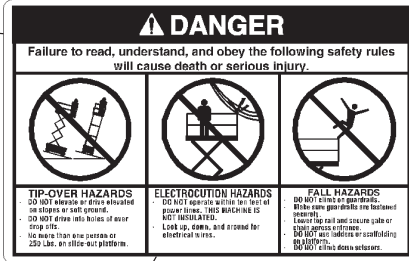
X31N Platform



DANGER

THIS BAR MUST BE PINNED IN POSITION ACROSS END OF PLATFORM BEFORE OPERATING MACHINE.

061787-001
1 Required
X31N



066550-000
1 Required



066554-000
1 Required



010076-001
1 Required

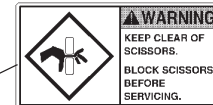


101251-000
1 Required

RIGHT MODULE



066556-000
2 Required



066553-000
2 Required



066555-000
1 Required

HYDRAULIC FLUID



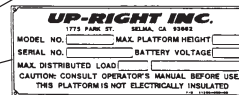
060197-000
1 Required



005223-003
1 Required
X31N



066558-000
1 Required
X20N, X20W, X26N



061205-005
1 Required



014222-003-99
2 Required

BATTERY CHARGER

066522-000
1 Required

NOTE: Labels can be ordered by using Part Number located by each label. For machines equipped with options consult the Service Manual.

Proper label installation is required. All of these labels shall be present and in good condition before operating the work platform. Be sure to read, understand and follow these labels **BEFORE** operating the work platform.

PREVENTATIVE MAINTENANCE

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 will prolong the life of all systems. The inspection and maintenance schedule is to be performed at regular intervals. Inspection and maintenance shall be performed by personnel who are trained and familiar with mechanical and electrical procedures.

W A R N I N G

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 preventative maintenance table has been designed for machine service and maintenance repair. Please photocopy the following page and use the table as a checklist when inspecting the machine for service.

PREVENTATIVE MAINTENANCE CHECKLIST

PREVENTATIVE MAINTENANCE KEY

Interval

Daily=each shift or every day

50h/30d=every 50 hours or 30 days

250h/6m=every 250 hours or 6 months

1000h/2y=every 1000 hours or 2 years

Y=Yes/Acceptable

N=No/Not Acceptable

R=Repaired/Acceptable

COMPONENT	INSPECTION OR SERVICES	INTERVAL	Y	N	R
Batteries	Check electrolyte level	Daily			
	Check specific gravity	6m			
	Clean exterior	6m			
	Check battery cable condition	Daily			
	Clean terminals	6m			
Hydraulic Oil	Check oil level	Daily			
	Change filter	6m			
	Drain and replace oil	2y			
Hydraulic System	Check for leaks	Daily			
	Check hose connections	30d			
	Check hoses for exterior wear	30d			
Emergency Hydraulic System	Operate the emergency lowering valve and check for serviceability	Daily			
Chassis Controls	Check switch operation	Daily			
Platform Controls	Check switch operation	Daily			
Control Cable	Check the exterior of the cable for pinching, binding or wear	6m			
Platform Deck and Rails	Check fasteners for proper torque	Daily			
	Check welds for cracks	Daily			
	Check condition of deck	Daily			
Tires	Check for damage	Daily			
	Check lug nuts (torque to 90 ft. lbs.)	6m			
Hydraulic Pump	Wipe clean	30d			
	Check for leaks at mating surfaces	30d			
	Check for hose fitting leaks	Daily			
	Check mounting bolts for proper torque	6m			

PREVENTATIVE MAINTENANCE REPORT

Date: _____

Owner: _____

Model No: _____

Serial No: _____

Serviced By: _____

Service Interval: _____

COMPONENT	INSPECTION OR SERVICES	INTERVAL	Y	N	R
Drive Motors	Check for operation	Daily			
Steering System	Check hardware & fittings for proper torque	6m			
	Grease pivot pins	30d			
	Check steering cylinder for leaks	30d			
Elevating Assembly	Inspect for structural cracks	Daily			
	Check pivot points for wear	6m			
	Check mounting pin pivot bolts for proper torque	6m			
	Check elevating arms for bending	6m			
Chassis	Check hoses for pinch or rubbing points	Daily			
	Check component mounting for proper torque	6m			
	Check welds for cracks	Daily			
Tilt Sensor	Check for operation	6m			
Lift Cylinder	Check the cylinder rod for wear	30d			
	Check mounting pin pivot bolts for proper torque	6m			
	Check seals for leaks	30d			
	Inspect pivot points for wear	6m			
	Check fittings for proper torque	6m			
Entire Unit	Check for and repair collision damage	Daily			
	Check fasteners for proper torque	6m			
	Check for corrosion-remove and repaint	6m			
	Lubricate	30d			
Labels	Check for peeling, missing, or unreadable labels & replace	Daily			

SPECIFICATIONS

Safety Rules and Operating Instructions

ITEM	X20N	X20W	X26N	X31N
Platform Size w/ Extension	28 in. x 87 in. [0,7 m x 2,21 m]	44 in. x 87 in. [1,12 m x 2,21 m]	46.25 in. x 87 in. [1,17 m x 2,21 m]	46.25 in. x 87 in. [1,17 m x 2,21 m]
Max. Platform Capacity Standard on Extension	750 lbs. [340 kg] 250 lbs. [110 kg]	1000 lbs. [453 kg] 250 lbs. [110 kg]	1000 lbs. [453 kg] 250 lbs. [110 kg]	700 lbs. [318 kg] 250 lbs. [110 kg]
Max. No. of occupants Standard (total) on Extension	2 people 1 person	4 people 1 person	3 people 1 person	3 people 1 person
Height				
Working Height	26 ft. [7,9 m]	26 ft. [7,9 m]	32 ft. [9,75 m]	37 ft. [11,28 m]
Max. Platform Height	20 ft. [6,1 m]	20 ft. [6,1 m]	26 ft. [7,92 m]	30.5 ft. [0,8 m]
Min. Platform Height	38 in. [0,97 m]	38 in. [0,97 m]	43 in. [1,1 m]	48 in. [1,2 m]
Dimensions				
Weight	3,828 lbs. [1656 kg]	4,273 lbs. [1858 kg]	4,747 lbs. [2072 kg]	5480 lbs. [2485,7 kg]
Overall Width	32.5 in. [0,83 m]	48 in. [1,22 m]	48 in. [1,22 m]	48 in. [1,22 m]
Overall Height	78.5 in. [2 m]	78.5 in. [2 m]	83.5 in. [2,1 m]	88.5 in. [2,25 m]
Overall Length, Extension In	92.5 in. [2,3 m]	92.5 in. [2,3 m]	92.5 in. [2,3 m]	92.5 in. [2,3 m]
Overall Length, Extension Out	128.5 in. [3,26 m]	128.5 in. [3,26 m]	128.5 in. [3,26 m]	128.5 in. [3,26 m]
Drivable Height	20 ft. [6,1 m]	20 ft. [6,1 m]	26 ft. [7,93 m]	30.58 ft. [9,3 m]
Drive Speed				
Platform Lowered	0 to 2.0 mph [0 to 3,2 km/h]			
Platform Raised	0 to 0.62 mph [0 to 1 km/h]			
Energy Source	24 Volt Battery Pack (4-220 Amp Hour, 6 Volt Batteries, min. wt. 62 lbs. [28,12 kg] each)			
Motor	24 Volt 4 Horse Power DC Electric Motor			
System Voltage	24 Volt DC			
Battery Charger	25 AMP, 110/220 VAC			
Battery Duty Cycle	25% for 8 Hours			
Hydraulic Tank Capacity	4 Gallons [15,2 l]	4 Gallons [15,2 l]	4 Gallons [15,2 l]	5 Gallons [19 l]
Maximum Hydraulic Pressure	3000 psi [206,8 bar]			
Lift System	One Single Stage Lift Cylinder	One Single Stage Lift Cylinder	One Single Stage Lift Cylinder	Two Single Stage Lift Cylinders
Lift Speed	Raise, 35 sec./Lower 30 sec.	Raise, 40 sec./Lower 30 sec.	Raise, 45 sec./Lower 40 sec.	Raise, 65 sec./Lower 40 sec.
Control System	Control Handle with Interlock Switch, Rotary Drive/Lift Switch, and Red Mushroom EMERGENCY STOP Switch			
Drive System	Dual Front Wheel Hydraulic Motors			
Tires	15 in. [381 mm] Diameter Solid Rubber, non-marking			
Parking Brake	Dual Spring Applied, Hydraulic Release			
Turning Radius	8 in. [254 mm] Inside			
Maximum Gradeability	23% [13°]	23% [13°]	22% [12°]	20% [11°]
Wheel Base	74.75 in. [1,9 m]			
Guardrails	40 in. [1,02 m] High			
Toeboard	6 in. [152 mm] High			

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

Meets or exceeds all applicable requirements of OSHA and ANSI A92.6-1999

UpRight

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