

UpRight

Operator Manual

SL-26/30SL

SERIAL NO. 8740 to 9499

WARNING

All personnel shall carefully read, understand and follow all safety rules, operating instructions and the Scaffold Industry Association's **MANUAL OF RESPONSIBILITIES** before performing maintenance on or operating any UpRight aerial work platform.

SAFETY RULES



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



NEVER drive the machine on uneven, rough or soft terrain with platform elevated.



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 before operating machine.

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

SECURE 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.

NEVER elevate the platform unless the platform is level, the bubble must be centered in the level.

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

CHECK all four tires for correct inflation. See Specifications.

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 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.

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 manufacturers consent.

Safety Rules and Operating Instructions

Safety Rules and Operating Instructions

PRE-OPERATIONAL & SAFETY INSPECTION INSTRUCTIONS

Carefully read and understand all safety rules. Follow these steps each day before use.

PRE-OPERATIONAL INSPECTION

ALL UP-RIGHT SL-26'S

Remove power and control module covers.

Visually inspect machine for any damage or missing parts.

Check that all guardrails are in place and secured with all fasteners in place.

Check hydraulic oil level with platform fully lowered.

Check battery fluid level.

Check tire pressure (50 psi for 26 x 12.00-12 NHS.)

UP-RIGHT SPEED LEVEL SL-26 WITH DUAL-FUEL SYSTEM (See Figures 1 & 2)

Check fuel supply.

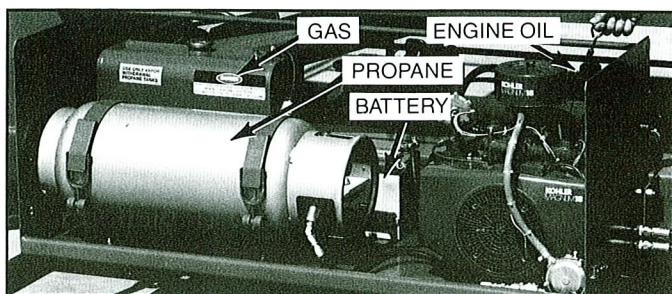
Check engine oil level.

Set dual-fuel selector switch to desired position.

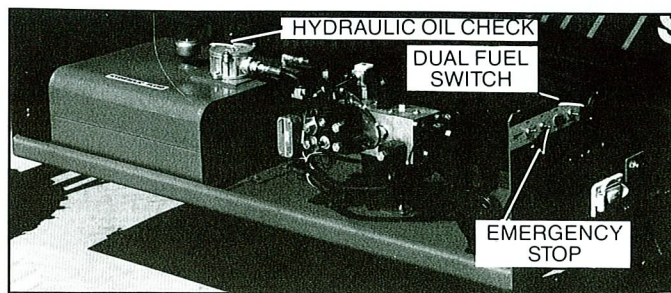
NOTE: When using LP gas, use clean, dry liquid petroleum gas, preferably from a bulk storage tank. Follow instructions for filling tank (instructions located on module tray).

NOTE

Set the fuel selector switch to the center position to purge the system when switching fuels.



POWER MODULE
Dual Fuel
(Figure 1)



CONTROL MODULE
Dual Fuel
(Figure 2)

**NOTE: IF MACHINE IS TO BE OPERATED ON PROPANE,
OPEN SUPPLY VALVE ON PROPANE TANK.**

— CAUTION —

**If you smell propane, close supply valve until you
have located and corrected leak.**

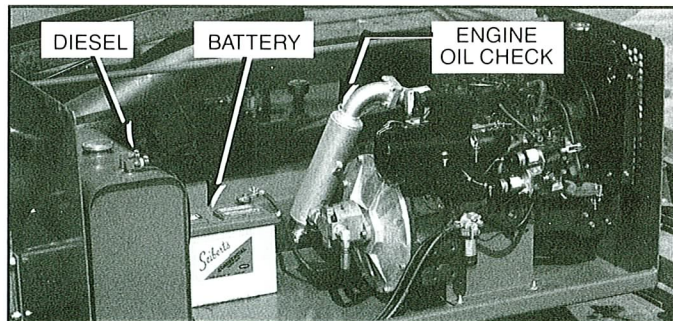
Check that emergency stop switch on control module is in “On” position.

UP-RIGHT SPEED LEVEL SL-26 WITH DIESEL SYSTEM (See Figures 3 & 4)

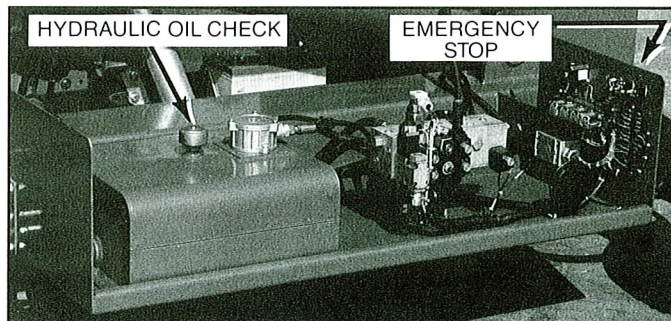
Check fuel supply.

Check engine oil level.

Check engine radiator coolant level. Check while cool only.



POWER MODULE
Diesel
(Figure 3)



CONTROL MODULE
Diesel
(Figure 4)

Check that emergency stop switch on control module is in “ON” position.

PRE-OPERATIONAL CHECK.

1. Check that emergency kill switch (control module) is in “RUN” position before mounting platform. Check that emergency stop is in “ON” position. When switch guard is closed, emergency stop switch will automatically go to “OFF” position.
2. Turn key to “ON” position.

For Dual Fuel machines:

2. Turn key switch “ON”. Start engine.

For Diesel machines:

2. Turn key switch counterclockwise to “preheat” to allow glow plugs to heat. The following table lists standard heating times for various temperatures:

Temperature	Preheating Time
Over 0°C (32°F)	15 sec.
Below 0°C (32°F)	30 sec.

NOTE: A warm engine does not require preheating.

Turn key to “START”. Release key immediately once engine has started. Allow cold engine to warm up before operating.

All machines:

3. Switch mode selector switch to “DRIVE” position.
4. Depress foot switch (located on platform floor).
5. Move control lever slowly forward and backward to check for speed and direction control. The speed is selected with the lift/drive speed switch.
6. Move steering switch right and then left to check steering control.
7. Move machine, if necessary, to a level unobstructed area to allow for full elevation.
8. Center bubble in bubble level by moving fore/aft and side/side level switch. The foot switch must be pressed for leveling to function.
9. Switch mode selector switch to “LIFT” position.
10. Move control lever slowly forward and fully elevate platform. Check for both high and low elevating speeds (dual fuel and diesel models only).
11. Move control lever backward to lower platform.

NOTE: Perform the following checks from the ground.

— CAUTION —

Do not enter elevating assembly area while elevated

12. Push Chassis lift switch to “UP” position and fully elevate platform.
13. While platform is elevated, visually inspect from outside of elevating assembly area, elevating assembly, lift cylinder, cables and hoses for any damage or erratic operation.
14. Check for missing or loose parts and fasteners.
15. Lower platform partway by pushing chassis lift switch to “DOWN”.
16. Check for audible alarm function while lowering.

NOTE: Alarm sounds when platform is lowering.

17. Finish lowering platform by opening emergency lowering valve to check for proper valve operation (see “Emergency Lowering”).

18. Close emergency lowering valve.

19. After all the preceding checks have been completed, replace module covers.

OPERATING INSTRUCTIONS

Understand the functions of all controls before operating machine.

Ensure that pre-operation and safety inspection has been completed and any deficiencies have been corrected.

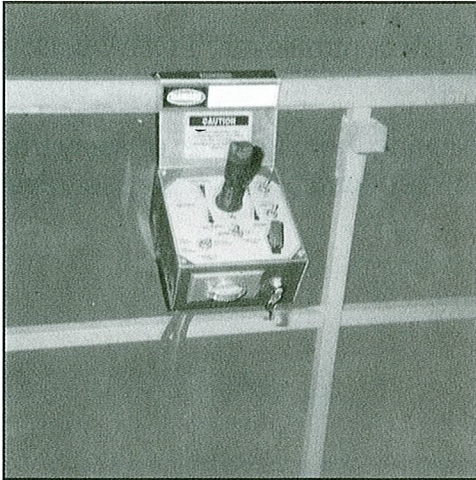


Figure 5.

1. Hang control console on guardrail (Figure 5).

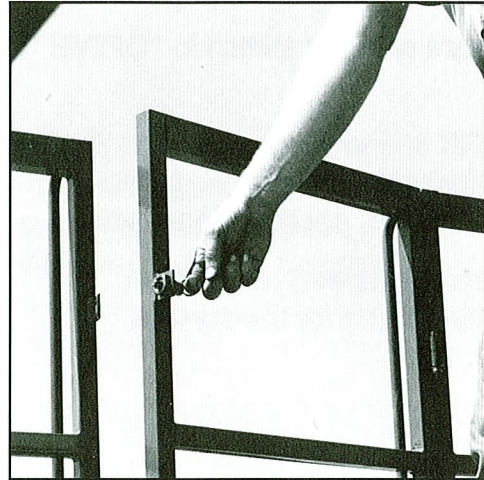
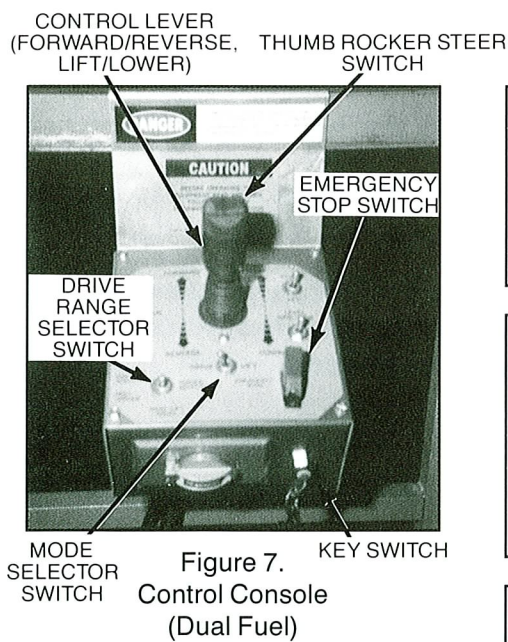


Figure 6.

2. After mounting platform, close and latch gate (Figure 6).



— DANGER —

Never raise the platform unless the platform is level.

— CAUTION —

Before operating always check that route is clear of persons, obstructions, holes and dropoffs, above, below and to the sides of platform.

— CAUTION —

Before traveling in reverse, double check that route is clear.

DANGER

DO NOT ELEVATE THE SPEED LEVEL SL-26 UNLESS ON A FIRM SURFACE. DO NOT DRIVE MACHINE OVER UNEVEN TERRAIN WITH PLATFORM RAISED.

TRAVEL WITH PLATFORM LOWERED

NOTE: Always check that route is capable of supporting wheel loads.

1. Switch mode selector switch to “DRIVE” position.
2. Set drive/lift speed range switch to “HIGH SPEED” for travel on level surfaces or to “HIGH TORQUE” for climbing grades.
3. Set the drive/lift speed range to the appropriate setting for the surface condition.
4. Push control lever “FORWARD” or “BACKWARD” to travel desired direction.
5. Moving the control lever away from the center position will increase travel speed.

STEERING

1. Switch mode selector switch to “DRIVE” position.
2. Push thumb switch right or left to turn wheels.

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

LEVELING PLATFORM

1. Center bubble in level using fore/aft and side/side level switches, figure 7 & 8. The foot switch must be pressed for the level switches to function.

NOTE: Level switches will not function when platform is raised above interlock height

ELEVATING PLATFORM

1. Switch mode selector to “LIFT” position.
2. Push control lever “FORWARD” to elevate platform. The foot switch must be pressed for the lift/lower switch to function.
3. Lift speed is proportional. The speed will increase as the control lever is moved away from the center position.

TRAVEL WITH PLATFORM ELEVATED ON FIRM AND LEVEL SURFACES.

NOTE: Machine will travel at a reduced speed when platform is elevated on level surfaces only and when platform is above preset interlock height.

1. Travel with platform elevated only on a hard level surface.
2. Switch mode selector switch to “DRIVE” position.
3. Push drive control lever “FORWARD” or “BACKWARD” to change direction.

LOWERING PLATFORM

1. Switch mode selector switch to “LIFT” position.
2. Push lift/lower switch to “DOWN”. The foot switch must be pressed in order for the lift/lower switch to function.

EMERGENCY LOWERING

— CAUTION —

If platform should fail to lower, never climb down elevating assembly. This could result in serious bodily injury.

1. Ask person on ground to open emergency lowering valve to lower platform. This valve is located on the left hand side of chassis through cut out in power module cover.
2. Open valve by pushing in and turning knob counter-clockwise (Figure 1) approximately $\frac{1}{4}$ turn. Pull out.
3. Once platform is fully lowered, be certain that emergency lowering valve is closed again. To close push knob in and turn approximately $\frac{1}{4}$ turn clockwise until detent engages. The platform will not elevate if the emergency lowering valve has not been closed.

AFTER USE EACH DAY

1. Ensure that platform is fully lowered.
2. Park work platform on level ground, preferably under cover.
3. Secure against vandals, children or unauthorized operation.
4. Turn key switch to “OFF” position and remove key to prevent unauthorized operation.

SECURING TO TRUCK FOR TRANSPORT

1. Secure with chains or straps of adequate load capacity at front and rear tie down lugs.
2. Always chock wheels on truck bed.

— CAUTION —

Over-tightening chains or straps may result in damage to work platform.

GUARDRAIL LOWERING INSTRUCTIONS

This procedure is solely for the purpose of passing through doorways. Guardrails must be returned to proper position before using the SL-26.

LOWERING THE GUARDRAILS: (Figure 10)

NOTE: When performing the following procedures retain all fasteners.

1. Start at front end of work platform.
2. Remove top nuts, bolts and washers.
3. Place controller on deck floor. Fold guardrail down.
4. Ensure that back gate is closed and locked.
5. Remove top nuts, bolts and washers from top of rear guardrail posts. Fold rear guardrail down.
6. Fold side guardrail in so it rests on platform deck. Repeat for other side guardrail.

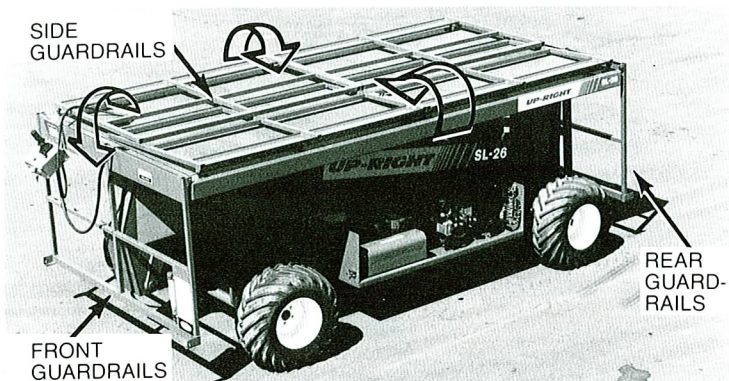


Figure 10. Lowering the Guardrails

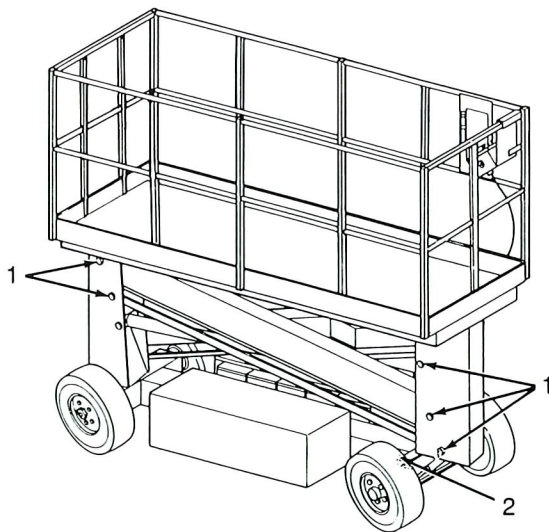
— DANGER —

**BEFORE ENTERING PLATFORM GUARDRAILS
MUST BE SECURELY FASTENED IN THEIR
PROPER POSITION.**

RAISING THE GUARDRAILS: (Figure 10)

1. Raise side guardrails.
2. Raise rear guardrail assembly, aligning holes and insert bolts, washers and nuts. Tighten securely.
3. Raise front guardrail, aligning holes and insert bolts, washers and nuts. Tighten securely.
4. Before operating work platform check that all bolts are in place and all nuts are tightened securely.

MAINTENANCE AND ROUTINE SERVICE



LUBRICATION POINTS

1. Linkage Pins
 2. Wheel Bearing (2 wd only)
- ☐ Grease

Figure 11. Elevating Assembly Lubrication Points

MAINTENANCE AND ROUTINE SERVICE				
Service Operation	SERVICE INTERVAL			
	EACH SHIFT	50 HRS.	250 HRS.	1000 HRS.
Check battery fluid level		●		
Check hydraulic fluid level (Mobil DTE 12)	●			
Check lug nuts, Torque to 90 to 95 ft. lbs.	●			
Grease and lubricate		●		
Change hydraulic filter			●	
Change hydraulic fluid				●
Check engine oil level	●			
Change engine oil (SAE 30 WT)		●		
Change/clean air filter (See Service Manual)				
Change engine oil filter (Diesel and Dual Fuel)		● *		
Engine Service			●	
Clean air inlet for engine cooling fan (Dual Fuel)				●
Check radiator coolant level (Diesel)	●			
Tire Pressure 50 psi 26 x 12.00-12 NHS	●			

*NOT TO EXCEED 100 HRS.

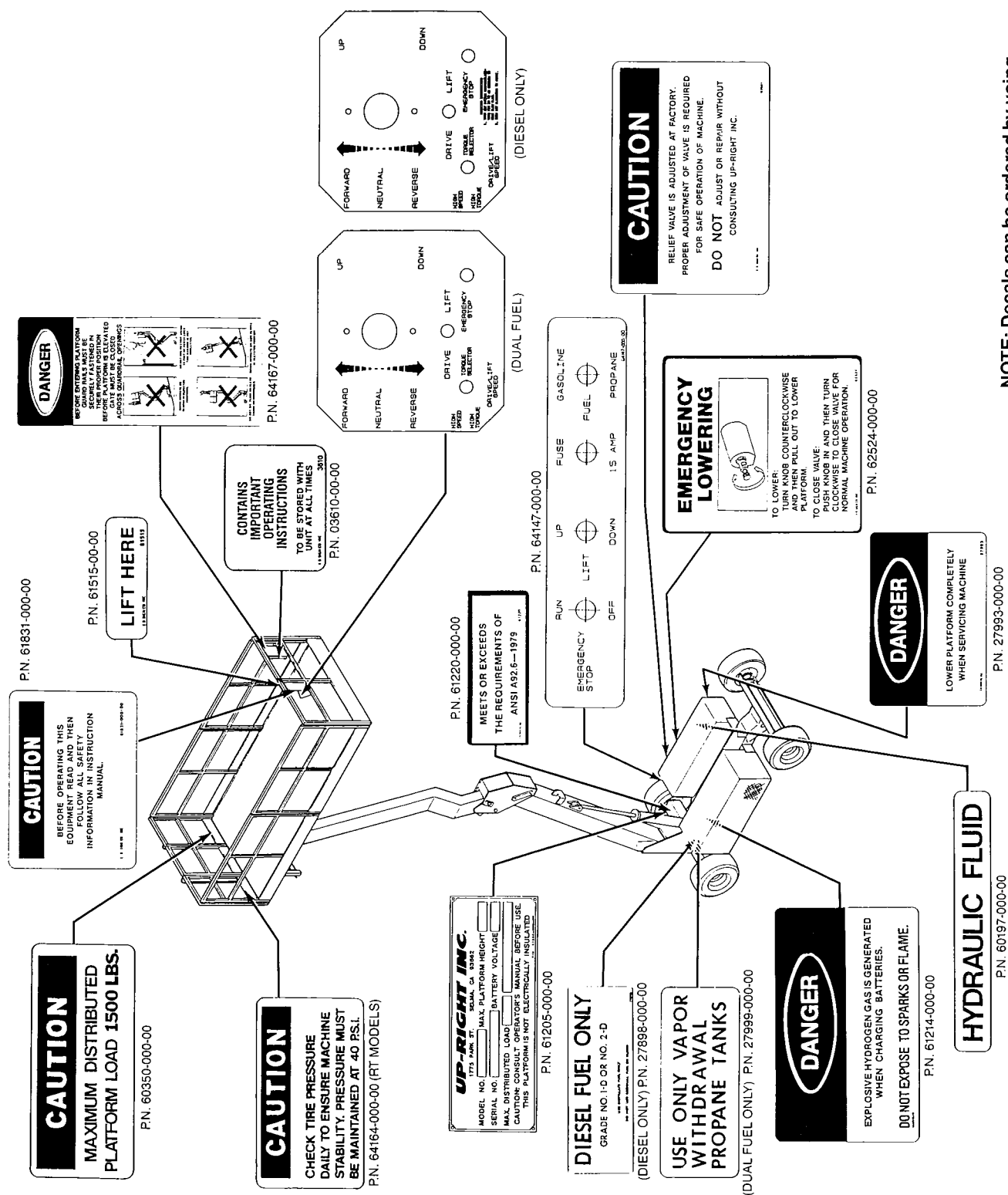


Figure 12. DECAL INSTALLATION: READ AND UNDERSTAND THESE DECALS BEFORE OPERATING SL-26

Specifications*

ITEM	SL-26SL	SL-30SL
Platform Size (Inside Toeboards)		
Standard	67.5 in. x 141.5 in. [1.71 m x 3.59 m]	67.5 in. x 166.25 in. [1.71 m x 4.22 m]
w/ Extension	67.5 in. x 181.5 in. [1.71 m x 4.61 m]	N/A
Max. Platform Capacity		
Standard	1500 lbs. [680 kg]	1300 lbs. [590 kg]
w/ Extension	1500 lbs. [680 kg]	N/A
on Extension	250 lbs. [110 kg]	N/A
Max. No. of occupants		
Standard	5 people	4 people
on Extension	1 person	N/A
Height		
Working Height	32 ft. [9.75 m]	36 ft. [10.97 m]
Max. Platform Height	26 ft. [7.93 m]	30 ft. [9.14 m]
Min. Platform Height	59 in. [1.5 m]	59 in. [1.5 m]
Dimensions		
Weight	Dual Fuel: 6,130 lbs. [2,780 kg] Diesel: 6,290 [2,853 kg]	Dual Fuel: 6,380 lbs. [2,894 kg] Diesel: 6,540 [2,967 kg]
Overall Width	84 in. [2.13 m]	84 in. [2.13 m]
Overall Height	102.5 in. [2.60 m]	102.5 in. [2.60 m]
Overall Length	149 in. [3.79 m]	173 in. [4.39 m]
Driveable Height	32 ft. [9.75 m]	36 ft. [10.97 m]
Surface Speed		
Platform Lowered	0 to 3.1 mph [0 to 5.0 km/h]	0 to 3.1 mph [0 to 5.0 km/h]
Platform Raised	0 to .5 mph [0 to .8 km/h]	0 to .5 mph [0 to .8 km/h]
System Voltage	12 Volt DC	12 Volt DC
Hydraulic Tank Capacity	12 Gallons [45.5 l]	12 Gallons [45.5 l]
Maximum Hydraulic System Pressure	2500 psi [172 bar]	2500 psi [172 bar]
Hydraulic Fluid		
Normal Use (>32 °F [0 °C])	ISO #46	ISO #46
Low Temp. Use (-10 to 32 °F [-23 to 0 °C])	5W-20 Motor Oil	5W-20 Motor Oil
Lift System	One Single Stage Lift Cylinder	One Single Stage Lift Cylinder
Lift Speed	Raise, 21 sec./Lower, 32 sec.	Raise, 24 sec./Lower, 36 sec.
Platform Leveling	13° Side/Side, 9° Fore/Aft	13° Side/Side, 9° Fore/Aft
Power Source	20 HP Kohler Dual Fuel, 2 Cylinder, Air Cooled Engine (Gasoline/Propane) or 18 HP Kubota Diesel, 3 Cylinder, Water Cooled Engine	20 HP Kohler Dual Fuel, 2 Cylinder, Air Cooled Engine (Gasoline/Propane) or 18 HP Kubota Diesel, 3 Cylinder, Water Cooled Engine
Drive Control	Proportional	Proportional
Control System	Joystick Controller with Thumb Rocker Steering; Toggle Selector and Emergency Stop Switches; Leveling Control; Two Toggle Switches and Bubble Level (inoperable above interlock height); Foot Operated Interlock Switch	Joystick Controller with Thumb Rocker Steering; Toggle Selector and Emergency Stop Switches; Leveling Control; Two Toggle Switches and Bubble Level (inoperable above interlock height); Foot Operated Interlock Switch
Horizontal Drive	Four Wheel, Hydraulic Motors	Four Wheel, Hydraulic Motors
Tires	26 x 12.00 - 12 NHS Super Terra-grip with Trac Seal	26 x 12.00 - 12 NHS Super Terra-grip with Trac Seal
Parking Brakes	Two, Spring Applied, Hydraulic Release, Multiple Disc	Two, Spring Applied, Hydraulic Release, Multiple Disc
Turning Radius (inside)	13 ft. [3.96 m]	13 ft. [3.96 m]
Maximum Gradeability	35% [19°]	35% [19°]
Wheel Base	100 in. [2.54 m]	100 in. [2.54 m]
Guardrails	43.5 in. [1.11 m] high, Fold Down with Gate	43.5 in. [1.11 m] high, Fold Down with Gate
Toeboard	6 in. [152 mm] High	6 in. [152 mm] High

* Specifications subject to change without notice.

Meets or exceeds all applicable requirements of OSHA and ANSI A92.6-1990

Refer to Service Manual for complete parts and service information.

FOR MORE INFORMATION

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