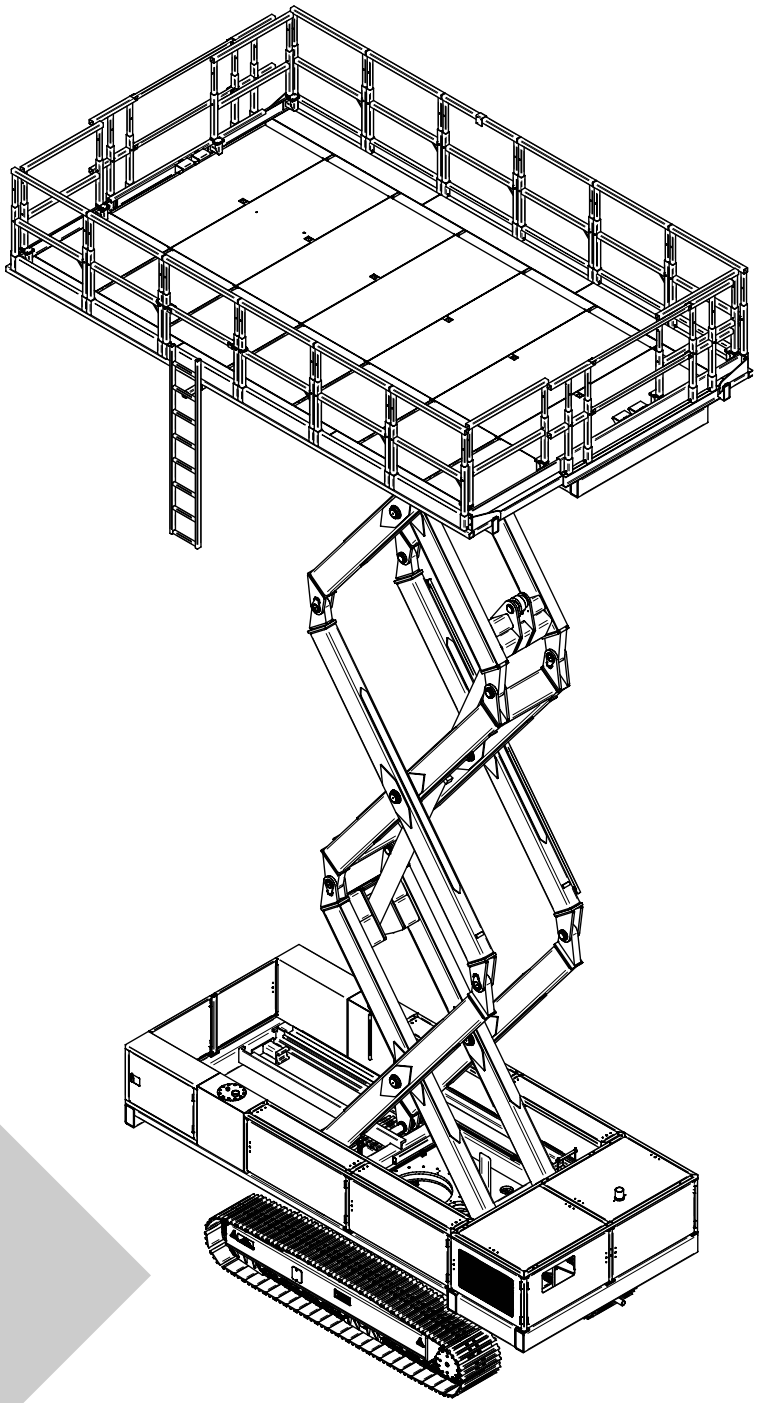
OMEGA



800TS SERIES
900TS SERIES

Operator's manual

THIS OPERATOR'S MANUAL MUST BE READ AND UNDERSTOOD PRIOR TO OPERATING YOUR OMEGA AERIAL WORK PLATFORM.

I Table of Contents

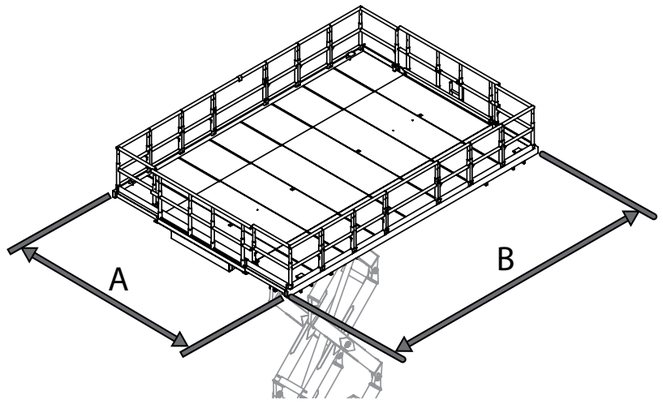
II Specifications

	820TS	825TS	830TS
Working height	11,50 m	11,50 m	11,50 m
Max. platform height	9,50 m	9,50 m	9,50 m
Max drive height	4,50 m	4,50 m	4,50 m
Min. platform height	2,30 m	2,30 m	2,30 m
Height - stowed (transport)	2,30 m	2,30 m	2,30 m
Ground clearance	50 cm	50 cm	50 cm
Track length	3,30 m	3,30 m	3,30 m
Lifting capacity	2.000 kg	2.500 kg	3.000 kg
Drive speed	2,5 km/h	2,5 km/h	2,5 km/h
Turret	90°	90°	90°
Gradebility	40 %	40 %	40 %
Level capabilities - Left / Right	5° / 5°	5° / 5°	5° / 5°
Level capabilities - Front / Back	5° / 5°	5° / 5°	5° / 5°
Power Source	Kubota V2403_xx	Kubota V2403_xx	Kubota V2403_xx
Drive	Individual track actuated. Double plunger pump	Individual track actuated. Double plunger pump	Individual track actuated. Double plunger pump

II Specifications

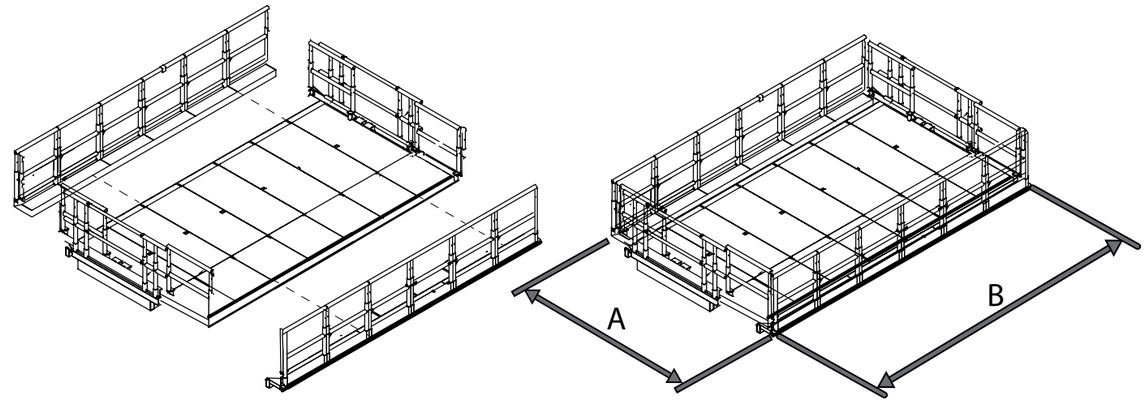
	920TS	925TS	930TS
Working height	13,0 m	13,0 m	13,0 m
Max. platform height	11,0 m	11,0 m	11,0 m
Max. drive height	5,00 m	5,00 m	5,00 m
Min. platform height	2,30 m	2,30 m	2,30 m
Height - stowed -(transport)	2,30 m	2,30 m	2,30 m
Ground clearance	50 cm	50cm	50 cm
Track length	3,30 m	3,30 m	3,30 m
Lifting capacity	2.000 kg	2.500 kg	3.000 kg
Drive speed	2,5 km/h	2,5 km/h	2,5 km/h
Turret	90°	90°	90°
Gradebility	40 %	40 %	40 %
Level capabilities - Left / Right	-5° / 5°	-5° / 5°	-5° / 5°
Level capabilities - Front / Back	-5° / 5°	-5° / 5°	-5° / 5°
Power Source	Kubota V2403_xx	Kubota V2403_xx	Kubota V2403_xx
Drive	Individual track actuated. Double plunger pump	Individual track actuated. Double plunger pump	Individual track actuated. Double plunger pump

III Deck configuration



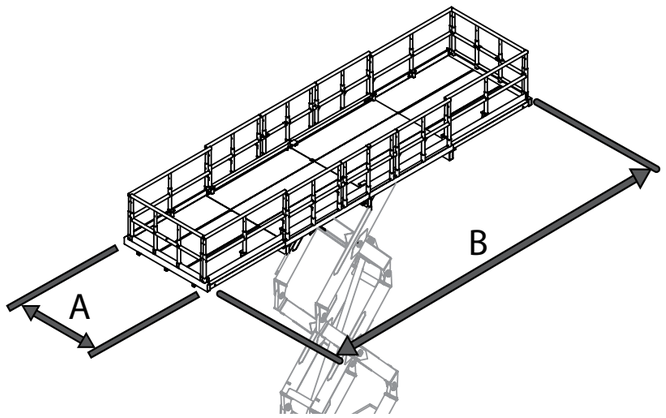
deck config	max deck size (a x B)	Weight	Transport dimensions (L x W x H)	Fit container
A	3,90 x 6,00 mtr	14.500 kg	6,00 x 2,25 x 2,45 mtr	Yes
B	3,90 x 7,30 mtr	14.800 kg	7,30 x 2,25 x 2,45 mtr	Yes
C	5,10 x 6,00 mtr	15.400 kg	6,00 x 290 x 2,45 mtr	No
D	5,10 x 7,30 mtr	15.700 kg	7,30 x 2,90 x 2,45 mtr	No

III Deck configuration



deck config	max deck size (a x B)	Weight	Transport dimensions (L x W x H)	Fit container
E	4,50 x 6,00 mtr	15.750 kg	6,00 x 2,25 x 2,45 mtr ***	Yes
F	4,50 x 7,30 mtr	16.300 kg	7,30 x 2,25 x 2,45 mtr ***	Yes

*** The above mentioned transport width is based on detached bolt-on platform section. With the platform section bolted on, the platform width is 2,90 meter.



deck config	max deck size (a x B)	Weight	Transport dimensions (L x W x H)	Fit container
K	2,25 x 8,80 mtr	15.500 kg	6,00 x 2,25 x 2,45 mtr	Yes
L	2,90 x 8,80 mtr	16.200 kg	6,00 x 2,90 x 2,45 mtr	no

1 Introduction

This Operator's Manual has been designed to provide you with the instructions and operating procedures essential to properly and safely operate your Omega solutions Aerial Work Platform for its intended purpose of positioning personnel, along with their necessary tools and materials, to overhead work locations.

DANGER

The Operator's Manual must be read and understood prior to operating your Omega solutions Aerial Work Platform. The user/operator should not accept operating responsibility until he/she has read and understands the operator's manual as well as having operated the Omega solutions Aerial Work Platform under supervision of an authorized, trained and qualified operator.

It is essential that the operator of the aerial work platform is not alone on the workplace during operation.

Modifications of this machine from the original design and specifications without written permission from Omega Solutions are strictly forbidden. A modification may compromise the safety of the machine, subjecting operator(s) to serious injury or death.

Your Omega Aerial Work Platform has been designed, built, and tested to provide safe, dependable service. Only authorized, trained and qualified personnel should be allowed to operate or service the machine.

Omega, as manufacturer, has no direct control over machine application and operation. Proper safety practices are the responsibility of the user and all operating personnel.

Use of this machine in Europe must comply with CE standard EN280 and applicable government regulations.

Use only Omega-approved replacements parts in the repair and maintenance of this machine. If there is a question on application and/or operation contact:

Omega Solutions BV
Leemidden 21
2678 ME De Lier
The Netherlands
Tel. +31 174 52 59 90

2 Safety

DO NOT operate this machine until you have read and understood this manual, have performed the Pre-Start Inspection, Routine Maintenance, and Functions Test, have inspected the workplace for hazards, and have learned the operating procedures for this machine.

Failure to read, understand and follow all safety rules, warnings, and instructions will unnecessarily expose you and others to dangerous situations. For your safety and the safety of those around you, you must operate your machine as instructed in this manual.
OMEGA designs aerial work solutions to be safe and reliable. They are intended to position personnel, along with their necessary tools and materials, to overhead work locations.

The owner/user/operator of the machine should not accept responsibility for the operation of the machine unless properly trained.

Never perform work or inspection on the machine with the platform elevated without first supporting the elevating assembly.

2.1 Safety Alert Symbols

OMEGA manuals and decals use symbols and colours to help you recognize important safety, operation and maintenance information.

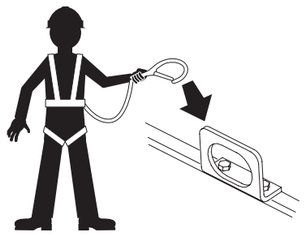
RED – Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

ORANGE – Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

YELLOW with alert symbol – Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

YELLOW without alert symbol – Indicates a potentially hazardous situation which, if not avoided, may result in property damage.

2.2 Fall Protection



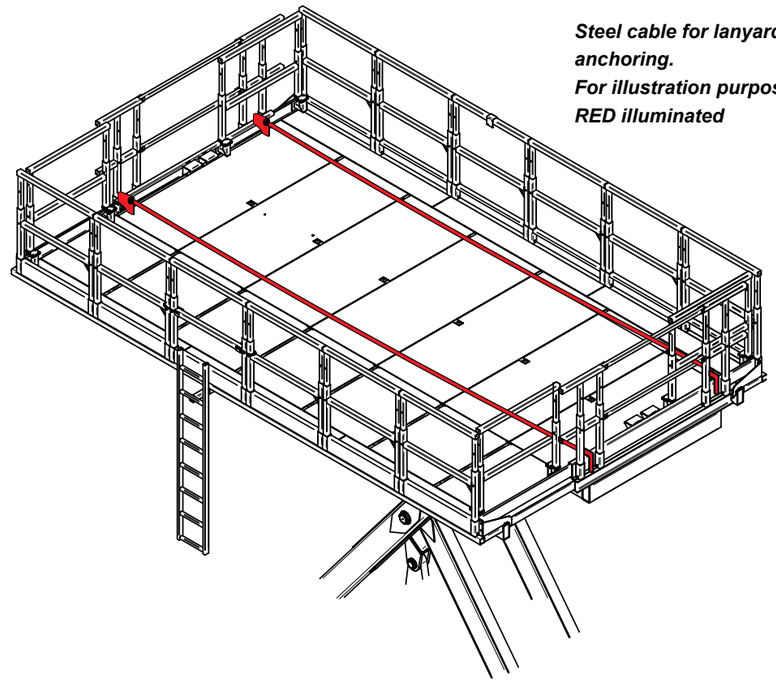
Operators must comply with employer, job site and governmental rules regarding the use of personal protective equipment. If required by your employer or job site, use personal fall protection equipment (PFPE) when operating this machine.
All PFPE must comply with applicable governmental regulations, and must be inspected and used in accordance with the PFPE manufacturer's instructions.

2.2.1 Fall protection - harness attachment - Glass crane installation

Whenever the OMEGA machine is comes with the optional installation for the **Glass Cranes**, the deck can be optional equipped with a twin loop steel rope.
This cable allows the operator to anchorage the lanyard on this cable, and at the same time not having the restriction of being attached to a fixed anchorage point.

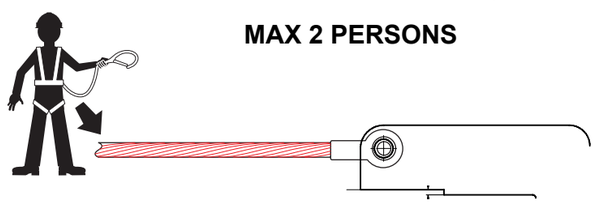
Operators must comply with employer, job site and governmental rules regarding the use of personal protective equipment.

Whenever the **installation Glass Cranes** has been applied and installed (see also manual Glass Cranes Installation), fall protection is required and need to be secured to the anchorage steel cable robe.



Steel cable for lanyard anchoring.
For illustration purposes, here RED illuminated

WARNING



Maximum 2 people per cable are allowed to anchorage themselves.

2.3 Electrocution Hazard

DANGER

ELECTROCUTION HAZARD!!!

THIS MACHINE IS NOT INSULATED!
DEATH OR SERIOUS INJURY will result from contact with or inadequate clearance from any electrically charged conductor.

You must maintain a CLEARANCE OF AT LEAST 3 meter between any part of the machine, or its load, and any electrical line or apparatus carrying over 300 Volts up to 50,000 Volts. 30 cm additional clearance is required for every additional 30.000 Volts.

Observe Minimum Safe Approach Distance.

DO NOT work in close proximity to, or in contact with, energized power lines and electrical equipment. This machine is not insulated and WILL NOT protect the operator from injury or the machine from damage. Refer to the following diagram and all applicable governmental regulations for the minimum safe distances from energized power lines and electrical equipment.

DO NOT touch the machine if it contacts energized power lines.

Personnel in the platform:

- Move away from the platform rails,
- DO NOT attempt to operate the machine, and
- DO NOT touch any part of the machine until energized power lines are shut off.

Personnel on the ground:

- DO NOT approach the machine and
- DO NOT touch or attempt to operate the machine until energized power lines are turned off.

Do not operate the machine during electrical storms or lightning.
DO NOT use the machine as a ground for welding unless properly equipped with a weld line to platform option.

2.4 Other hazards

DO NOT exceed the maximum platform capacity (see Specifications). The weight of options and accessories will reduce the rated platform capacity and must be factored into the total platform load. Refer to the decals on the options.

DO NOT elevate the platform when the machine is on a surface that is soft, non-planar, or exceeds the levelling range of the machine.
The tilt alarm will sound when the machine is off level. If the alarm sounds when the platform is lowered, DO NOT attempt to elevate the platform. Carefully lower, re-level the machine, or move the machine to a surface within the levelling range.

STOP if the alarm sounds and the red light illuminates when the platform is raised. Use extreme caution to lower the platform.

DO NOT elevate the platform when the machine is on a surface that is soft, non-planar, or exceeds the levelling range of the machine.

The tilt alarm will sound when the machine is off level. If the alarm sounds when the platform is lowered, DO NOT attempt to elevate the platform.

Carefully lower, re-level the machine, or move the machine to a surface within the levelling range.

STOP if the alarm sounds and the red light illuminates when the platform is raised. Use extreme caution to lower the platform.

Driving:

DO NOT drive the machine on a slope that exceeds the maximum uphill or downhill slope rating. Slope rating applies to machines in the stowed position.

Driving in stowed position:

use extreme care and reduce speed when driving across uneven terrain, debris, unstable or slippery surfaces, and near holes or drop-offs.

Driving with the platform elevated:

DO NOT drive on or near uneven terrain, unstable surfaces, curbs, drop-offs or other hazardous conditions.

2.3 Other hazards (continue)

DO NOT push off or pull toward any object outside the platform.

DO NOT elevate the platform when wind speeds are in excess of 12,5 m/s. If wind speeds exceed 12.5 m/s when the platform is elevated, carefully lower the platform and discontinue operation.

DO NOT increase the surface area of the platform (i.e. cover the rails with tarp or plywood). Increased surface area exposed to the wind will decrease machine stability.

NEVER alter or disable any machine components.

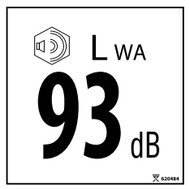
NEVER replace any part of the machine with items of different weight or specification.

NEVER modify or alter the work platform without written permission from OMEGA.

NEVER place ladders or scaffolds in the platform or against any part of the machine.

NEVER use the machine on a moving or mobile surface or vehicle.
Ensure that all tracks are in good condition and lug nuts are properly torqued.

Maximum Allowable Side Force = 400N



Noise level
A running machine can produce a noise level up to 93 Decibels.

2.5 Fall Hazard

DO NOT sit, stand or climb on the platform guard rails. Maintain a firm footing on the platform floor at all times.

DO NOT exit the platform when elevated Keep the platform floor clear of debris.

DO NOT fasten a fall restraint lanyard to an adjacent structure.

Ensure that all gates are properly closed and secured before operating the machine
.
Operators must comply with employer and job site rules and governmental regulations regarding the use of personal protective equipment.

2.5 Collision Hazards

Check path before moving for equipment, materials or other obstructions.

Check path before moving for overhead obstructions.

Check path before moving for crushing hazards when holding the platform rail.

Reduce travel speed when moving the machine on slopes, when near personnel and obstacles, or when surface conditions are wet, slippery or otherwise limiting.

DO NOT operate in the path of any crane unless the controls of the crane have been locked out and/or precautions have been taken to prevent any possible collision.

Stunt driving and horseplay are PROHIBITED.

Watch for personnel and obstructions below the platform when lowering the platform.

2.6 Additional Safety Hazards

Explosion and Fire Hazards
DO NOT operate the machine in hazardous locations or locations where potentially flammable or explosive gasses or particles may be present.

Damaged Machine Hazards
Conduct a thorough pre-start inspection of the machine and test all functions before each work shift to check for damage, malfunction and unauthorized modification. Tag and remove a damaged, malfunctioning or modified machine from service. DO NOT use a damaged, malfunctioning or modified machine.

Routine maintenance must be performed by the operator before each work shift. Scheduled maintenance must be performed by a qualified service technician at scheduled intervals. Tag and remove from service any machine that has not had scheduled preventative maintenance performed.

Check that all safety and instructional decals are in place and undamaged.
Check that the operator's, safety and responsibilities manuals are present in the storage container located in the platform. All manuals must be complete, undamaged and readable.

Bodily Injury Hazards
DO NOT operate the machine when there is a hydraulic fluid or air leak. Hydraulic fluid or air under pressure can penetrate and/or burn skin.

All compartments must remain closed and secure during machine operation. Improper contact with components under any cover will cause serious injury. Only trained maintenance personnel should access compartments. The operator should only access a compartment when performing pre-operation inspection.

3 Workplace Inspection

DO NOT operate this machine until you have read and understood this manual, have performed the Pre-Start Inspection, Routine Maintenance, and Functions Test, have inspected the workplace for hazards, and have learned the operating procedures for this machine.

Inspect the workplace and determine whether the workplace is suitable for safe machine operation. Do this before moving the machine to the workplace.

Be sure the lift is the correct machine for the job.

Be aware of workplace conditions, and continue to watch for hazards while operating the machine.

Workplace Inspection

Check the workplace for all possible hazards, including but not limited to:

- drop-offs or holes, including those concealed by water, ice, mud, etc.
- sloped, unstable or slippery surfaces
- bumps, surface obstructions and debris
- overhead obstructions and electrical conductors
- other objects or equipment
- hazardous locations and atmospheres
- inadequate surface and support to withstand all load forces imposed by the machine
- wind and weather conditions
- the presence of unauthorized personnel
- other possible unsafe conditions

4 Functions Test

DO NOT operate this machine until you have read and understood this manual, have performed the Pre-Start Inspection, Routine Maintenance, and Functions Test, have inspected the workplace for hazards, and have learned the operating procedures for this machine.

The operator must conduct a Functions Test of the machine before each work shift to check that all machine systems are working properly.

Test the machine on a firm level surface with no debris, drop-offs, potholes or overhead obstructions. Perform each test outlined in Operating Instructions before using the machine. DO NOT use a machine that is malfunctioning. If any function does not perform as described, tag the machine and remove for repair by a qualified service technician. After repairs are completed, a Pre-Start Inspection and Functions Test must be performed before using the machine.

5 Operating Instructions

DO NOT operate this machine until you have read and understood this manual, have performed the Pre-Start Inspection, Routine Maintenance, and Functions Test, have inspected the workplace for hazards, and have learned the operating procedures for this machine.

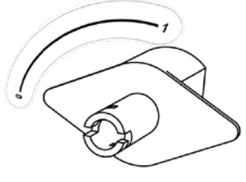
This section provides instructions for each function of machine operation. Follow all safety rules and instructions.
This machine may be operated by trained and authorized personnel only. If multiple operators use this machine, all must be qualified and authorized to use it. New operators must perform a Pre-Start Inspection and Functions Test prior to operating the machine.

Operators must comply with employer, job site and governmental rules regarding the use of personal protective equipment

5.1 Prestart

Check base control EMERGENCY STOP switch – turn clockwise to reset.

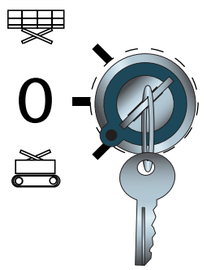
Check platform control EMERGENCY STOP switch – turn clockwise to reset.



Check power switch near engine - behind module door -
must be in ON position

5.2 Base Controls Operation and Test

IMPORTANT - Be sure the area above the machine is clear of obstructions to allow full elevation of platform.

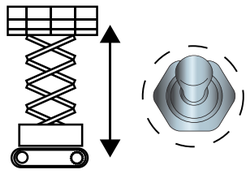


Select BASE Operation
Turn the selector switch to BASE.

Emergency Stop
Press the EMERGENCY STOP switch at any time to stop all machine functions.

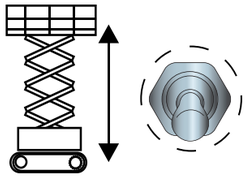
Pull switch to reset.

Do not elevate the platform if the machine is not on a firm level surface.



Elevate platform
Operate and keep the toggle switch upwards to ELEVATE the platform.
Test Operation

- Elevate to maximum height.
- Releasing the switch will stop elevation.
- Pressing the EMERGENCY STOP switch will stop elevation.

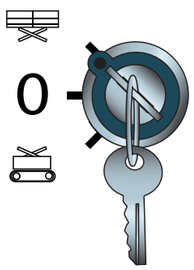


Lower platform
Operate and keep the toggle switch downwards to LOWER the platform.
Test Operation

- Lower the platform to the stowed position.
- Releasing the switch will stop descent.
- Pressing the EMERGENCY STOP switch will stop descent.

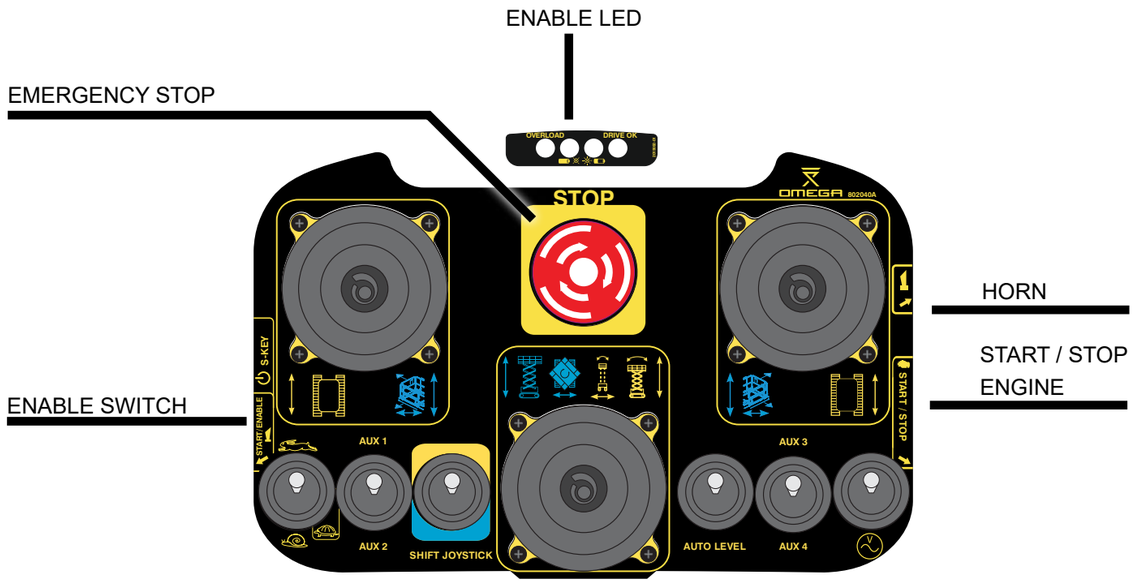
5.3 Platform Controls via remote controller - Operation and Test

IMPORTANT - Check that the route of travel to be taken is clear of persons, obstructions, debris, holes, and drop offs, and is capable of supporting the machine.



Select PLATFORM Operation
Lower Control Box: Turn the selector switch to PLATFORM.
Turn the selector switch to PLATFORM.

5.3.1 Radio remote controller - start & stop

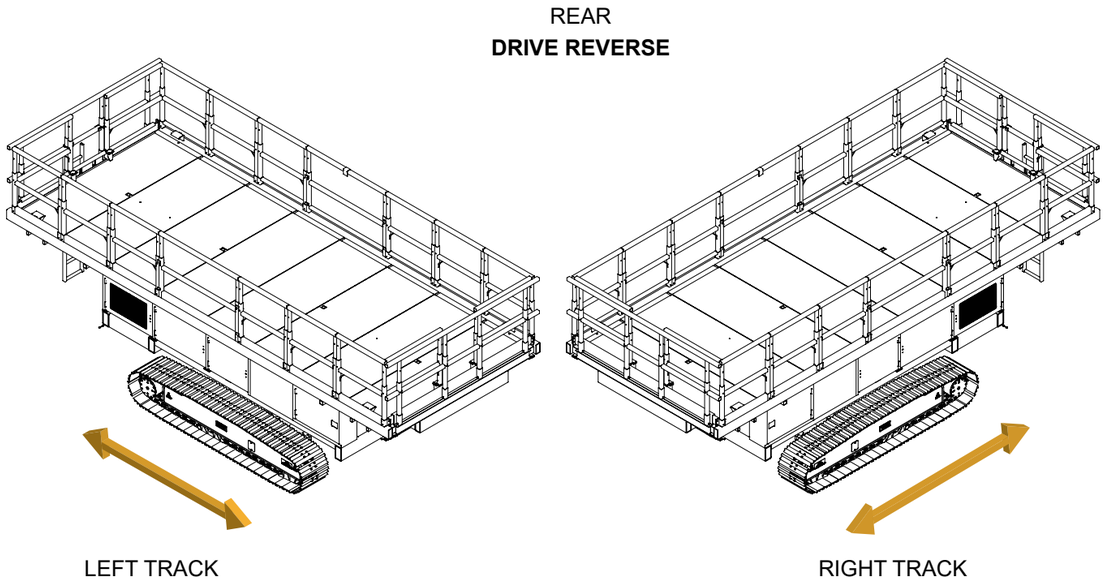


ENABLE, START & STOP
Enter the platform and secure the entry.

1. Check if E-stop is not pressed. Twist to reset.
2. Press the ENABLE switch on the left side of the remote controller, until the ENABLE LED starts to blink about twice per second. The remote controller is now active.
3. Press the START / STOP switch on the right side of the remote controller briefly. A sequel of events will start up the engine.
4. Press the START / STOP switch once more to stop the engine.

After the ENABLE switch has been pressed, for a period of 10 seconds all functions of the remote controller are standby / active. Within those 10 seconds a function can be selected and operated. After those 10 seconds the ENABLE switch must be pressed again. If any function is used and released again, the 10 seconds will count from the moment the function has been released.

5.3.2 Radio remote controller - drive control



WARNING

Check that the route is clear of persons, obstructions, debris, holes and drop -offs, and is capable if supporting the machine.

DRIVE CONTROL

1. Place the FUNCTION SELECT switch into the Yellow area.
2. Press the ENABLE switch on the left side of the remote controller briefly.
3. Set the SPEED SELECTOR switch to the lowest drive speed (towards you)
4. Drive speed is proportional and is controlled by the movement of the joystick. The further it is moved forward, the faster the speed will be. The joystick returns to the neutral (centre) position when released. Each joysticks operates an individual track. Left joystick for the left track and vice versa.
5. Carefully operate both LEFT & RIGHT joystick simultaneous forward or reverse to start up driving.
6. Steering can be done by using the two joysticks. For a right turn, the right track should drive slower (in opposite of the left track) or be in rest. You can achieve this by operating the desired joystick somewhat less compared to the other joystick.

CAUTION

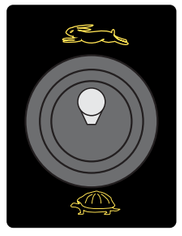
Brakes

The brake is automatically released when the drive functions are enabled. The brake is automatically applied when the joystick is positioned in the neutral (center) position.

5.3.2.1 Radio remote controller - drive control - speed - limitations

WARNING

The unit is equipped with three different pre-selected drive speeds. These speed can be selected via the SPEED SELECTOR switch. Wisely to start up in the lowest drive speed, and if required toggle the drive speed to a higher drive speed.



Drive and Lift speed is selectable.

There are three different drive speeds to select.

- HIGH SPEED : Engine will go to high RPM and max. drive speed is about 3 km/h.
- MID SPEED : Engine will go to high RPM and max. drive speed is about 2 km/h (for more precise manoeuvring).
- LOW SPEED : Engine will stay low RPM and max drive speed is about 0,8 km/h (for accurate manoeuvring).

When the platform is above 3 meter platform height the drive speed is limited to LOW SPEED.

CAUTION

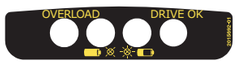
Driving with elevated platform - limited

DRIVE with elevated platform is limited.

DRIVE function will be disabled at a platform height of about 4 meter.

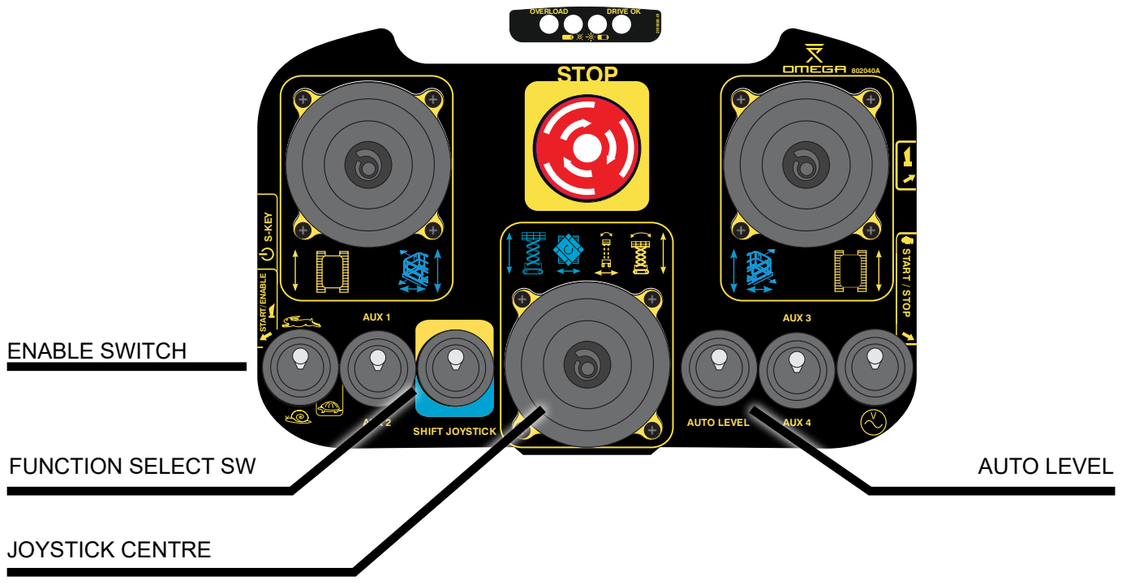
DRIVE enabled

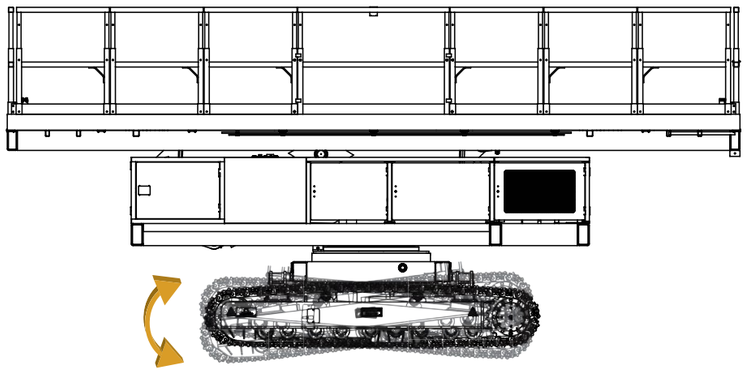
DRIVE disabled



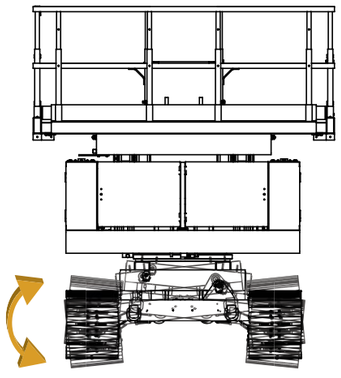
The **DRIVE OK** indicator will lit as long as drive is enabled. When the **DRIVE OK** indicator is off, the platform needs to be lowered, until the **DRIVE OK** indicator lit's up. Driving is enabled again.

5.3.3 Radio remote controller - levelling





FRONT / REAR LEVEL



LEFT / RIGHT LEVEL

WARNING

Levelling of the machine can only be performed when the platform height is 3 m or lower. When operating on a sloped surface, the platform can be brought to level using the AUTO LEVEL switch or the MANUAL LEVELLING.

MANUAL LEVEL : FRONT / REAR

1. Place the FUNCTION SELECT switch into the Yellow area.
2. Press the ENABLE switch on the left side of the remote controller briefly.

3a. Tilt to front : Move the centre JOYSTICK forward to tilt the platform to the desired position.

3b. Tilt to rear : Move the centre JOYSTICK backwards to tilt the platform to the desired position.

MANUAL LEVEL : LEFT / RIGHT

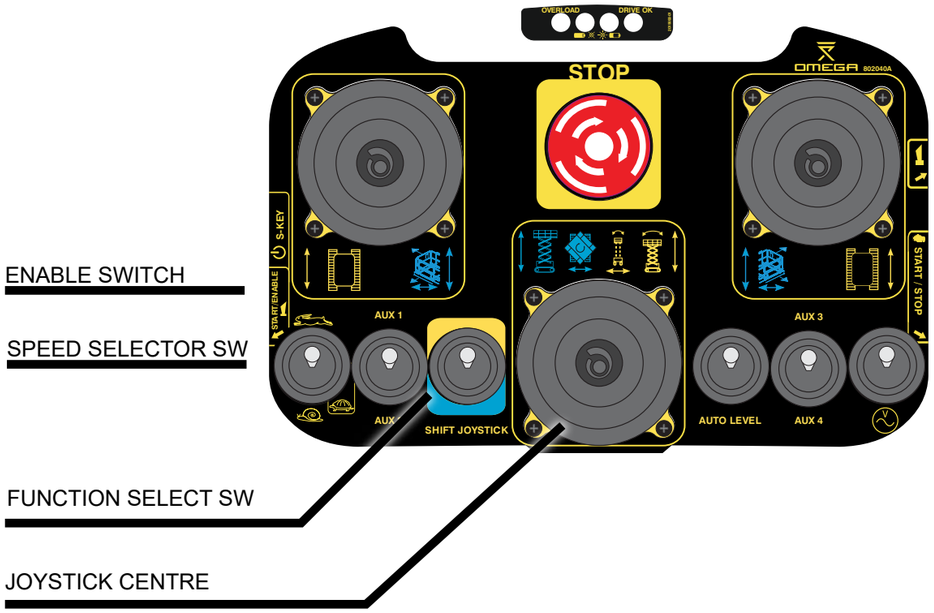
4a. Tilt to left: Move the centre JOYSTICK left to tilt the platform to the desired position.

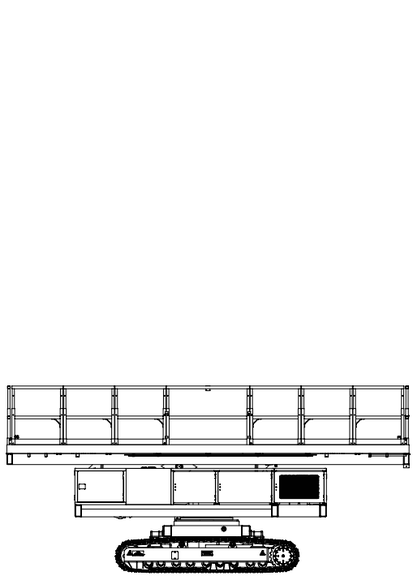
4b. Tilt to right: Move the centre JOYSTICK right to tilt the platform to the desired position.

AUTO LEVEL

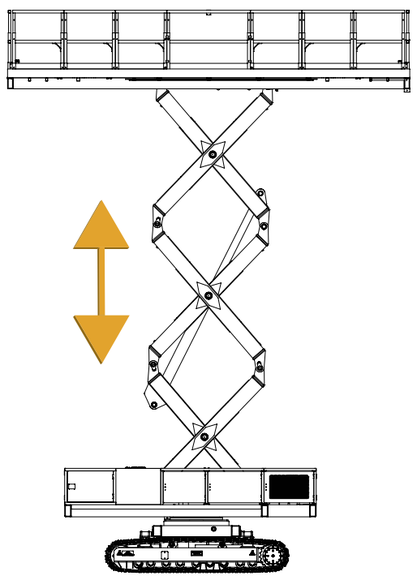
1. Place the FUNCTION SELECT switch into the Yellow area.
2. Press the ENABLE switch on the left side of the remote controller briefly.
3. Move the toggle switch DOWN to start levelling.
4. Hold the toggle switch DOWN until levelling operation is complete. When the platform reaches the level position, auto levelling will automatically stop.

5.3.4 Radio remote controller - Lifting & lowering





PLATFORM DOWN



PLATFORM UP (MAX HEIGHT)

WARNING

Do not elevate platform unless guardrails are installed and secure. If the platform fails to lower DO NOT attempt to climb down the elevating assembly. Serious injury may result.

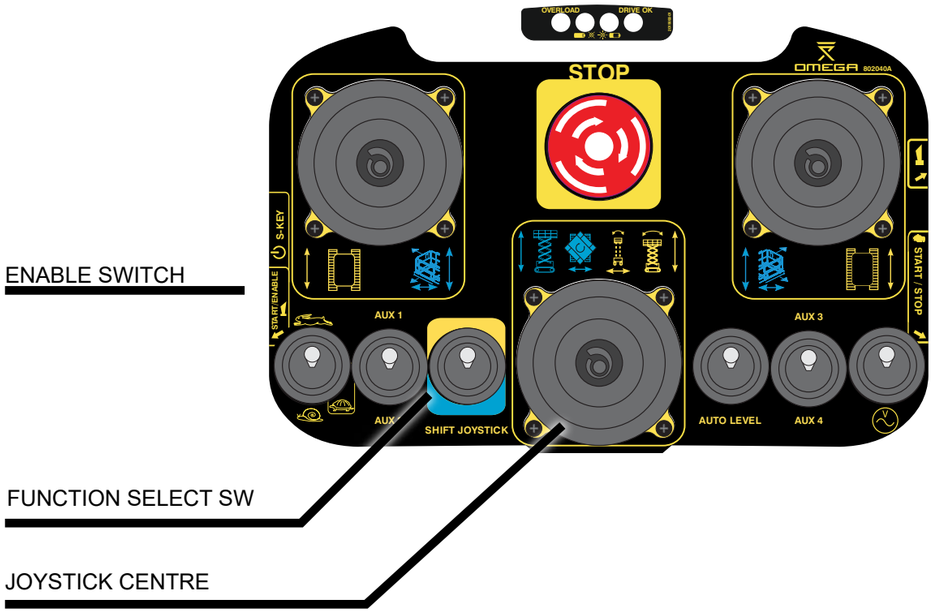
ELEVATING THE PLATFORM

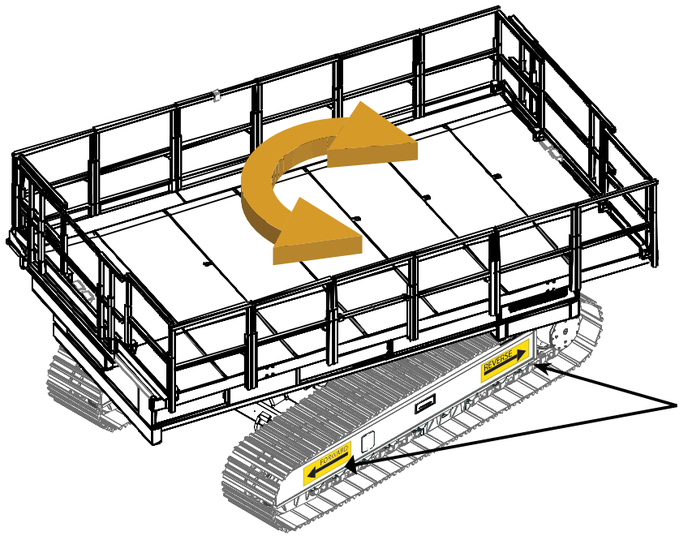
1. Place the FUNCTION SELECT switch into the Blue area.
2. Press the ENABLE switch on the left side of the remote controller briefly.
3. Set the SPEED SELECTOR to the desired speed (high or low RPM of the engine - middle and high speed are the same with lifting)
4. Lift speed is proportional and is controlled by the movement of the joystick. The further it is moved forward, the faster the speed will be.
5. Move the centre JOYSTICK forward to elevate the platform.

LOWERING THE PLATFORM

1. Place the FUNCTION SELECT switch into the Blue area.
2. Press the ENABLE switch on the left side of the remote controller briefly.
3. Set the SPEED SELECTOR to the desired speed (high or low RPM of the engine - middle and high speed are the same with lifting)
4. Lift speed is proportional and is controlled by the movement of the joystick. The further it is moved backwards, the faster the speed will be.
4. Move the centre JOYSTICK backwards to lower the platform.

5.3.4 Radio remote controller - Rotation





90 DEGREES ROTATION

DECALS DRIVE DIRECTION

WARNING

Do not rotate the platform unless guardrails are installed and secure. If the platform fails to lower DO NOT attempt to climb down the elevating assembly. Serious injury may result.

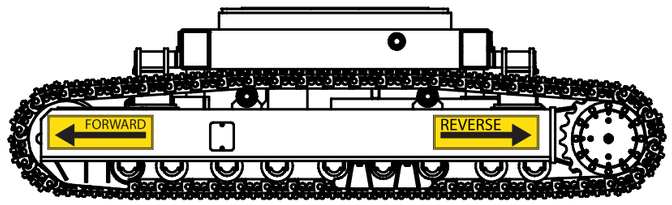
ROTATING THE PLATFORM

1. Place the FUNCTION SELECT switch into the Blue area.
2. Press the ENABLE switch on the left side of the remote controller briefly.
4. Rotation speed is proportional and is controlled by the movement of the joystick. The further it is moved left or right, the faster the rotation will be.
5. Move the centre JOYSTICK LEFT or RIGHT to rotate the platform.

Note: the rotation is limited to 90 degrees - one way only.

DANGER

The drive direction remains the same after the platform is rotated. Verify the drive direction whenever the platform is rotated. On the track beams decals are for verification reason attached.

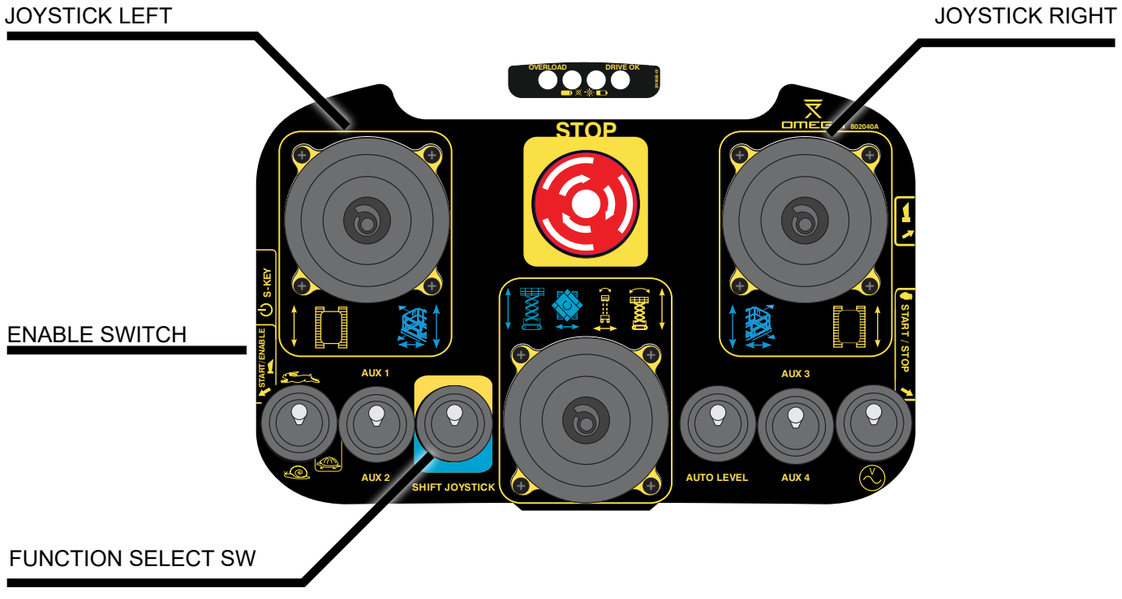


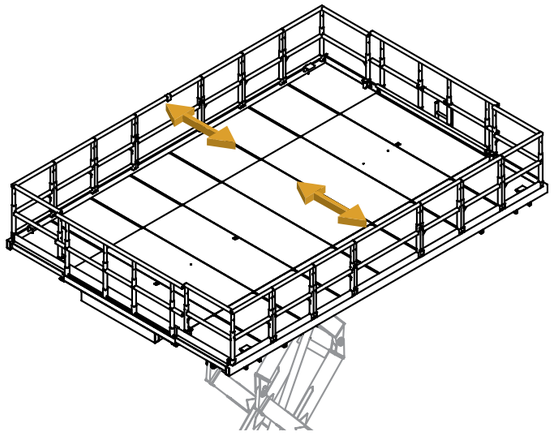
DECALS DRIVE DIRECTION

CAUTION

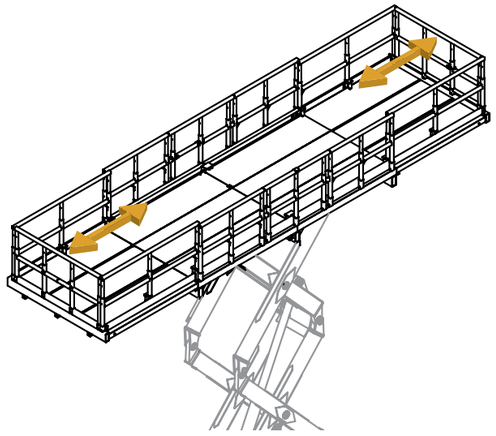
Certain configurations are setup in such a way that rotation is disabled when platform is fully lowered. The platform needs to be lifted approximately one 1 meter to enable the rotation function.

5.3.5 Radio remote controller - deck extensions





DECK EXTENSION SIDE / SIDE



DECK EXTENSION FRONT / REAR

WARNING

The configurations of extension decks may variate per model. Please check which decks are present on the unit to verify for correct operation.

DECK EXTEND AND RETRACT

1. Place the FUNCTION SELECT switch into the Blue area.
2. Press the ENABLE switch on the left side of the remote controller briefly.

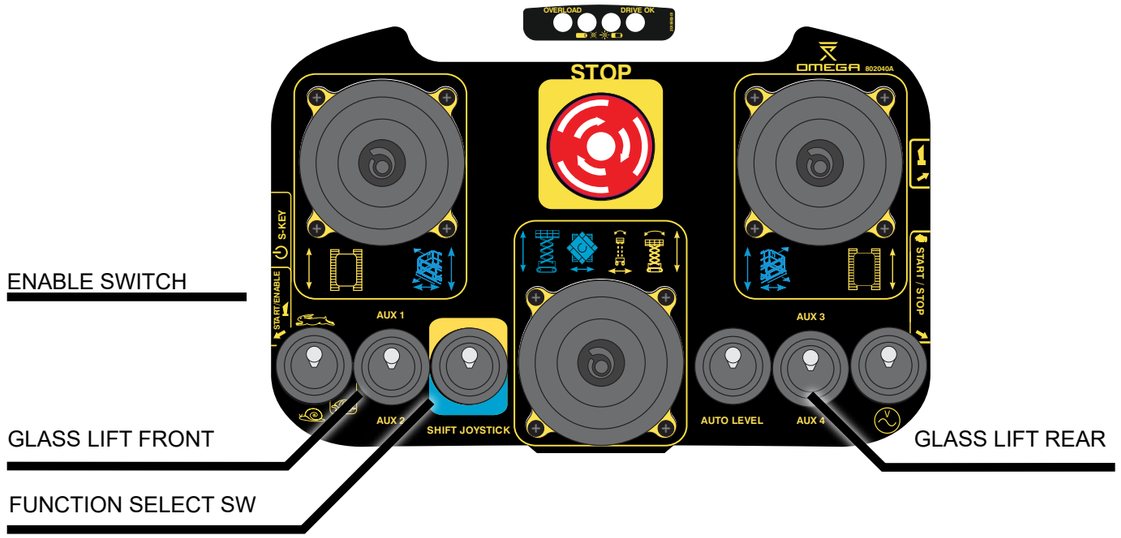
3a. Move the left joystick left to extend the left deck.
3b. Move the left joystick right to retract the left deck.

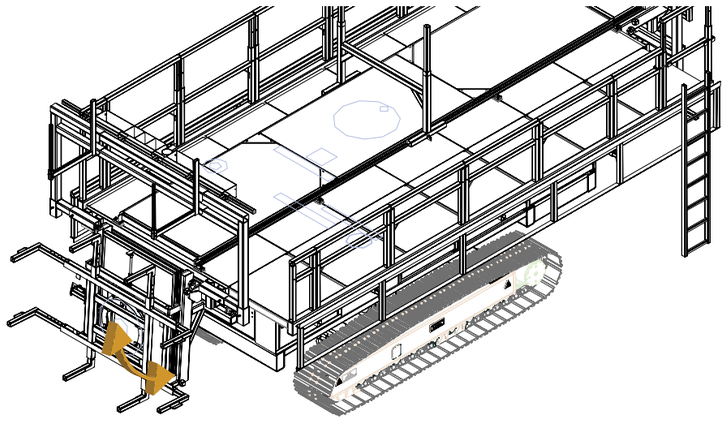
4a. Move the left joystick forward to extend the front deck.
4b. Move the left joystick backwards to retract the front deck.

5a. Move the right joystick right to extend the right deck.
5b. Move the right joystick left to retract the right deck.

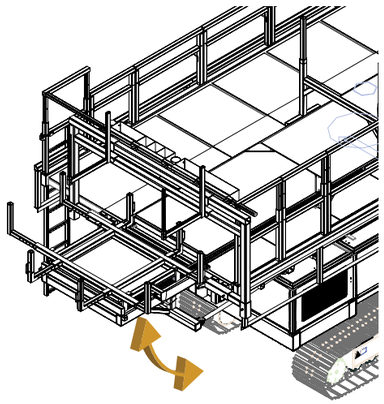
6a. Move the left joystick backwards to extend the rear deck.
6b. Move the left joystick forward to retract the rear deck.

5.3.6 Radio remote controller - glass lifts (optional)





DOWN POSITION



UP POSITION

WARNING

Optional this machine can be equipped with hydraulic glass lifts. These glass lifts are mounted at - one at the front & one at the rear of the platform. Please check if these optional glass lift are present on your machine for correct operation.

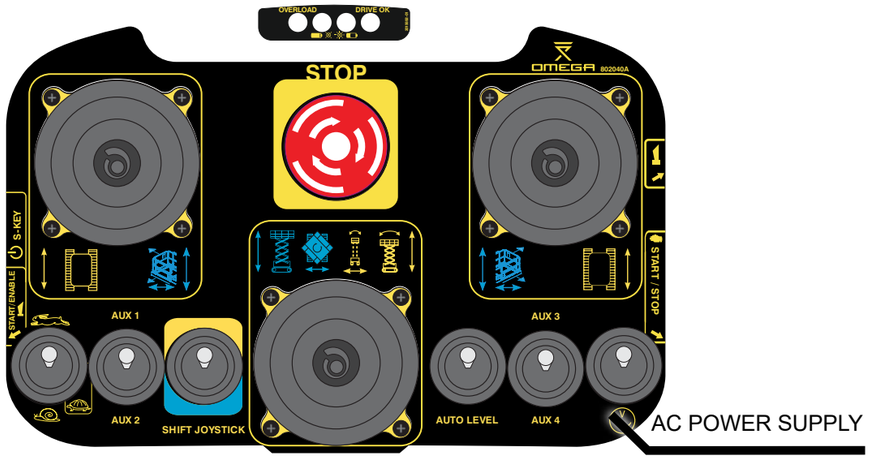
GLASS LIFT UP AND DOWN

1. Place the FUNCTION SELECT switch into the Yellow area.
2. Press the ENABLE switch on the left side of the remote controller briefly.

3a. Press the left glass lift TOGGLE switch forward to lift the front glass lift.
3b. Pull the left glass lift TOGGLE switch backwards to lower the front glass lift.

4a. Press the right glass lift TOGGLE switch forward to lift the rear glass lift.
4b. Pull the left glass lift TOGGLE switch backwards to lower the rear glass lift.

5.3.7 Radio remote controller - AC power supply platform



WARNING

An AC power supply feature is optional. It may variate in voltage range : 110 Vac or 220Vac. and if it is by means of a DC - AC converter or by means of hydraulic powered generator.
Please check which if and which system is present on the unit for correct operation.

The on board AC power supply feature may variate in it nominal max. power rate. Check the max. power outlet prior to applying a consumer to it. Never apply a electric component which draws more AMP / Watts than the AC power supply feature can handle.

DANGER

Risk of electrical shock Disconnect power before servicing.

Make sure the voltage output is suitable for the consuming item that is connected to the AC socket outlet.

POWER UP AC OUTLET

1. It is essential that the engine is running.
2. Switch on the AC power supply TOGGLE switch on (backwards).

Note: if the AC power supply is arranged by means of hydraulic powered generator, all other functions of the machine will be locked out.

5.3.8 Radio remote controller - chassis tail and front lighting

PUSH BUTTON LIGHTS

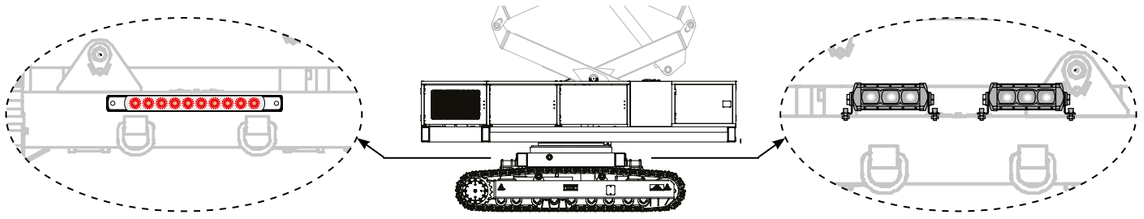
CAUTION

Chassis front and rear working / direction light are optional.

At the front two white LED beamers are present and at the rear a red LED strip is present. These lights are for better working surrounding visibility and to give bystanders whereabouts of front and read of machine.

POWER ON / OFF WORKING LIGHTS

1. Upper controls must be selected and remote needs to be enabled.
2. Push the black push button IN to eliminate the working lights.
3. Pus to black button IN to to set working lights to OFF position.



REAR RED LED BEAMER

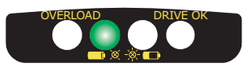
FRONT DUAL LED BEAMERS

5.3.8 Radio remote controller - trouble shouting

CAUTION

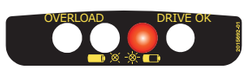
Whenever the remote controller does not work properly, and below trouble shouting guide does not resolve the issue, lock down the machine for further use and contact your OMEGA service partner.

Green LED



Green LED OFF	The remote controller is off and will not function
Green LED blinks fast	The remote controller and its receiver do not communicate (no connection)
Green LED blinks slowly	The remote controller and its receiver are in connected. Operation is possible.

Red LED

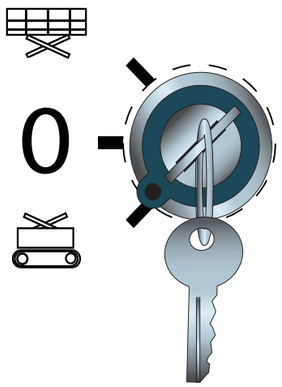


Red LED OFF	The remote controller is working in operation
Red LED blinks (during operation)	The battery of the remote is running flat. Replace or charge the battery of the remote controller.
Red LED lit up for 2 seconds during start-up	The remote controller is not working properly and will not start up.
Red LED blinks once during start -up	The remote controller will not start up, it detects that the Emergency stop button is not set to the ON position.
Red LED blinks twice during start-up	The remote controller will not start up, it detects that any of the toggle switches is in the ON position or that the side-buttons being pressed (horn or Start/stop engine).
Red LED blinks three times during start-up	The remote controller will not start up, it detects that the battery of the remote is flat. Replace or charge the battery of the remote controller.
Red LED blinks four times during start-up	The remote controller will not start up, it detects that one or more of the joystick controllers are not in neutral position (centre position)

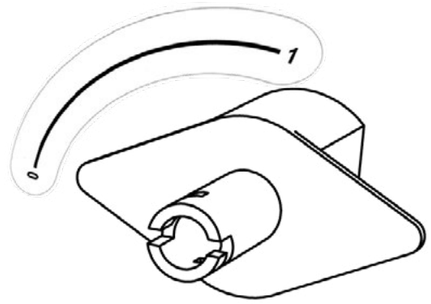
Alarm acoustic

Single beep tone during start-up	The remote controller will not start up, it detects that the Emergency stop button is not set to the ON position.
Two beep tones during start-up	The remote controller will not start up, it detects that any of the toggle switches is in the ON position or that the side-buttons being pressed (horn or Start/stop engine).
Three beep tones during start-up	The remote controller will not start up, it detects that the battery of the remote is flat. Replace or charge the battery of the remote controller.
Four beep tones during start-up	The remote controller will not start up, it detects that one or more of the joystick controllers are not in neutral position (centre position)

5.5 Shut-down Procedure



KEY SWITCH BASE CONTROL



MAIN SWITCH

When finished with the machine, place the platform in the stowed position.

1. Park the machine on a level surface.
2. Carefully exit the platform and close the entry gate.
3. Turn the key switch to the OFF position and remove the key to prevent unauthorized use.
4. Turn the main switch to the OFF position.

Note: Leaving the main switch in the ON position for an extended time will drain the battery. Always put the switch in OFF position when leaving the machine at the end of the work day.

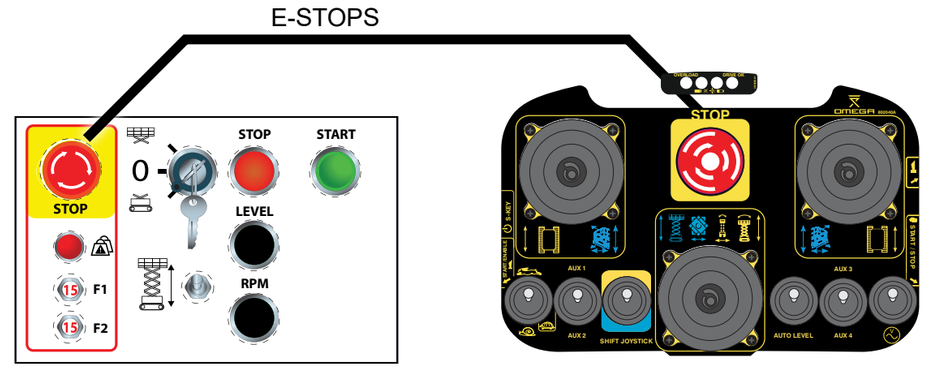
6 Emergency Systems

WARNING

If the control system fails while the platform is elevated, have an experienced operator use the emergency lowering procedure to safely lower the platform.

Do not attempt to climb down elevating assembly.

6.1 Emergency stop



Emergency Stop
The machine is equipped with an EMERGENCY STOP switch on base control panel and remote controller.

Press the EMERGENCY STOP switch at any time to stop all machine functions. Turn switch clockwise to reset.

6.2 Emergency lowering

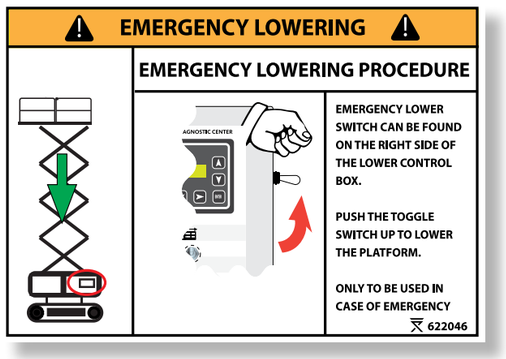
WARNING **The emergency lowering system is used to lower the platform in case of power or valve failure.**

TOGGLE SWITCH FOR EMERGENCY DOWN

To lower the platform, perform the following steps:

Push and hold the toggle switch UP to lower the platform.

The toggle switch is located on the right side at the base control.



DECAL - NEARBY LOWER CONTROLS

7 Machine Inspections

DO NOT operate this machine until you have read and understood this manual, have performed the Pre-Start Inspection, Routine Maintenance, and Functions Test, have inspected the workplace for hazards, and have learned the operating procedures for this machine.

The operator must conduct a thorough Pre-Start Inspection of the machine and test all functions before each work shift to check for damage, malfunction and unauthorized modification.

Tag and remove a damaged, malfunctioning or modified machine from service. DO NOT use a damaged, malfunctioning or modified machine.
Use the Pre-Start Inspection to determine what Routine Maintenance is required. The operator may perform only the routine maintenance items specified in this manual.

IMPORTANT - Scheduled maintenance inspection checklist are included in this manual for use only by qualified service technicians. Only qualified service technicians may perform repairs to the machine. After repairs are completed, the operator must perform a Pre-Start Inspection before proceeding to the Functions Test.

DANGER **Never perform service on the machine with the platform elevated without first blocking the elevating assembly.**

Never leave hydraulic components or hoses open. They must be protected from contamination (including rain) at all times.

Never open a hydraulic system when there are contaminants in the air. Always clean the surrounding area before opening hydraulic systems.

Use only recommended lubricants. Improper lubricants or incompatible lubricants may be as harmful as no lubrication. Watch for makeshift “fixes” which can jeopardize safety as well as lead to more costly repair.

WARNING **Hydraulic fluid under pressure can penetrate and burn skin, damage eyes, and may cause serious injury, blindness, and even death. Correct leaks immediately.**

CAUTION

Failure to perform preventive maintenance at recommended intervals may result in the unit being operated with a defect that could result in injury or death of the operator.

Immediately report to your supervisor any Defect or malfunction. Any defect shall be repaired prior to continued use of the aerial work platform.
Inspection and maintenance should be performed by qualified personnel familiar with the equipment.
Fluid leaks under pressure may not always be visible. Check for pin hole leaks with a piece of cardboard, not your hand.

7.1 Pre-Start Inspection Checklist

The operator must conduct a thorough Pre-Start Inspection of the machine before each work shift.

General Inspection Checklist

Initial	Description
_____	Check that the operator's, safety, and responsibilities manuals are in the storage container located on the platform.
_____	Perform a visual inspection of all machine components. Look for missing parts, torn or loose hoses, hydraulic fluid leaks, torn or disconnected wires, damaged tracks etc.
_____	Check all structural components of the machine for cracked welds, corrosion and collision damage.
_____	Check all hoses and the cables for worn or chafed areas.
_____	Check the platform rails and sliding mid-rail entry for damage or modification.
_____	Check that all warning and instructional labels are legible and secure.
_____	Check the tracks for damage.
_____	Check the lower limit switch for visual damage or loose or missing hardware.
_____	All structural components, pins and fasteners are present and properly tightened.

Fluid Level Checklist

Initial	Description
_____	Check for fluid leaks.
_____	Hydraulic fluid level (check with platform fully lowered).

Secure for operation

Initial	Description
_____	Secure all covers and panels. Perform Routine Maintenance as needed, then proceed to the Functions Test.

7.2 Monthly Inspection Checklist

WARNING

This checklist must be used at monthly intervals or every 100 hours of machine use, whichever occurs first.

Failure to do so could result in death or serious injury.

Scheduled Maintenance Inspections should be conducted by qualified service technicians only. Photocopy this page for reuse. Keep inspections records up to date. Record and report all discrepancies to your supervisor.

Initial	Description
_____	Perform all checks listed on Pre-start Inspection.
_____	Inspect the condition of hydraulic fluid in the reservoir. Oil should have a clear amber colour.
_____	Inspect all beams and pivot points for signs of wear and/or damage.
_____	Check the pin joints and retaining rings for security.
_____	Inspect the entire machine for signs of damage, broken welds, loose bolts, improper or makeshift repairs.
_____	Check that the platform does not drift down with a full load.
_____	Lubricate the king pins, steering cylinder pivot points, and tie rod ends
_____	Check all wire connections.
_____	Check that all adjustable flow valves are locked, check setting if any are not locked.

7.3 Quarterly Inspection Checklist

WARNING

This checklist must be used at quarterly intervals or every 300 hours of machine use, whichever occurs first.

Failure to do so could result in death or serious injury.

Scheduled Maintenance Inspections should be conducted by qualified service technicians only. Photocopy this page for reuse. Keep inspections records up to date. Record and report all discrepancies to your supervisor.

Initial	Description
_____	Perform all checks listed on Pre-start/Monthly Inspection.
_____	Check the operation speeds to ensure they are within specified limits (see Specifications).
_____	Check the emergency lowering system.
_____	Clean and lubricate all push button switches with dry lubricant and ensure that the switches operate freely in all positions.
_____	Check the overall platform and guardrail component stability.
_____	Check the electrical mounting and hardware connections for security.
_____	Check the king pins for excessive play.
	Additional maintenance requirements for severe conditions
_____	Replace hydraulic filter element (under normal conditions replace every six [6] months).

8 Maintenance

DO NOT operate this machine until you have read and understood this manual, have performed the Pre-Start Inspection, Routine Maintenance, and Functions Test, have inspected the workplace for hazards, and have learned the operating procedures for this machine.

Tag and remove a damaged, malfunctioning or modified machine from service. DO NOT use a damaged, malfunctioning or modified machine.

Use the Pre-Start Inspection to determine what Routine Maintenance is required. The operator may perform only the routine maintenance items specified in this manual.

IMPORTANT - Scheduled maintenance inspection checklists are included in this manual for use only by qualified service technicians. Only qualified service technicians may perform repairs to the machine. After repairs are completed, the operator must perform a Pre-Start Inspection before proceeding to the Functions Test.

Never perform service on the machine with the platform elevated without first blocking the elevating assembly.

Never leave hydraulic components or hoses open. They must be protected from contamination (including rain) at all times. Never open a hydraulic system when there are contaminants in the air. Always clean the surrounding area before opening hydraulic systems.

Use only recommended lubricants. Improper lubricants or incompatible lubricants may be as harmful as no lubrication.

Watch for makeshift “fixes” which can jeopardize safety as well as lead to more costly repair.

Hydraulic fluid under pressure can penetrate and burn skin, damage eyes, and may cause serious injury, blindness, and even death. Correct leaks immediately.

CAUTION

Failure to perform preventive maintenance at recommended intervals may result in the unit being operated with a defect that could result in injury or death of the operator.

Immediately report to your supervisor any Defect or malfunction. Any defect shall be repaired prior to continued use of the aerial work platform.
Inspection and maintenance should be performed by qualified personnel familiar with the equipment.
Fluid leaks under pressure may not always be visible. Check for pin hole leaks with a piece of cardboard, not your hand.

8.1 Routine Maintenance

IMPORTANT - The operator may perform routine maintenance only. Scheduled maintenance must be performed by qualified service technicians.

- **Pre-Start Inspection** Perform routine maintenance as identified in the Pre-Start inspection Checklist

8.2 Scheduled Maintenance

Maintenance performed monthly, quarterly, annually and bi-annually must be performed by a qualified service technician trained and authorized to perform maintenance on this machine, and must be done in accordance with the procedures outlined in the service manual. Scheduled maintenance inspection checklist are included in this manual for use by qualified service technicians.

Machines that have been out of service for more than three months must receive the quarterly inspection before returning to service.

8.3 Support the Platform - maintenance scissor stack

DANGER

Ensure maintenance locks are in place before doing maintenance on an elevated work platform.

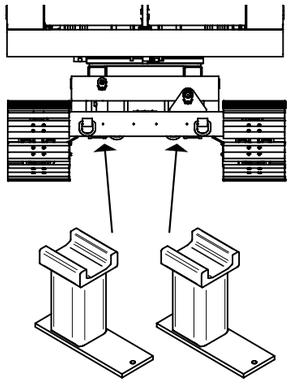
Install maintenance locks only with unloaded platform.

Use a crane with chains and straps of adequate lifting capacity to support the platform.

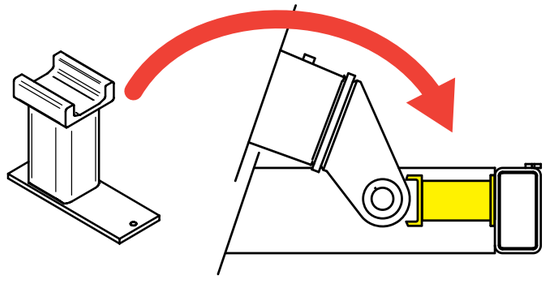
In addition to supporting the platform with the crane you can use the maintenance lock that OMEGA's 800TS / 900TS standard is equipped with.

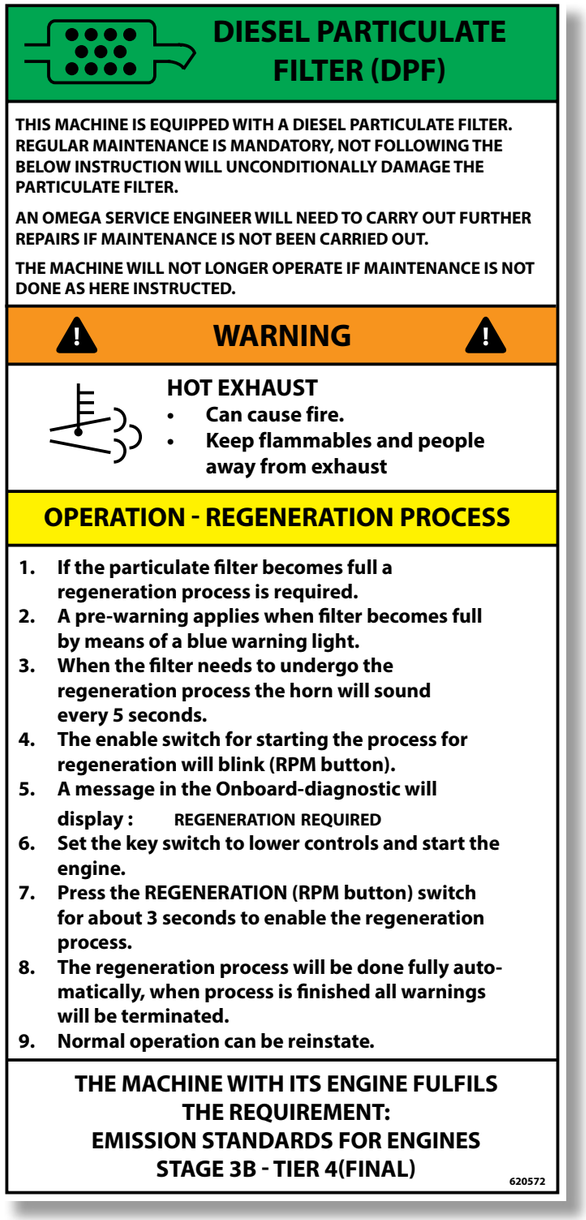
Placing the maintenance locks
The two locking brackets are mounted on the front support beam.

1. Unbolt the support beams



2. Raise the platform
3. Install both locking brackets nearby scissor arm - as indicated in below image.
4. Lower the platform and visual check if scissor arm is being supported by brackets.





DECAL DPF - NEARBY LOWER CONTROLS

8.4 Diesel Particulate Filter (DPF) - November 2017 and onwards

WARNING

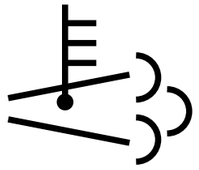
Units produced after November 2017 are equipped with a diesel particulate filter. Regular maintenance is mandatory, not following the below instruction will unconditionally damage the particulate filter.

An OMEGA service engineer will need to carry out further repairs if maintenance is not been carried out.

The machine will not longer operate if maintenance is not done as here instructed.

DANGER

HOT EXHAUST

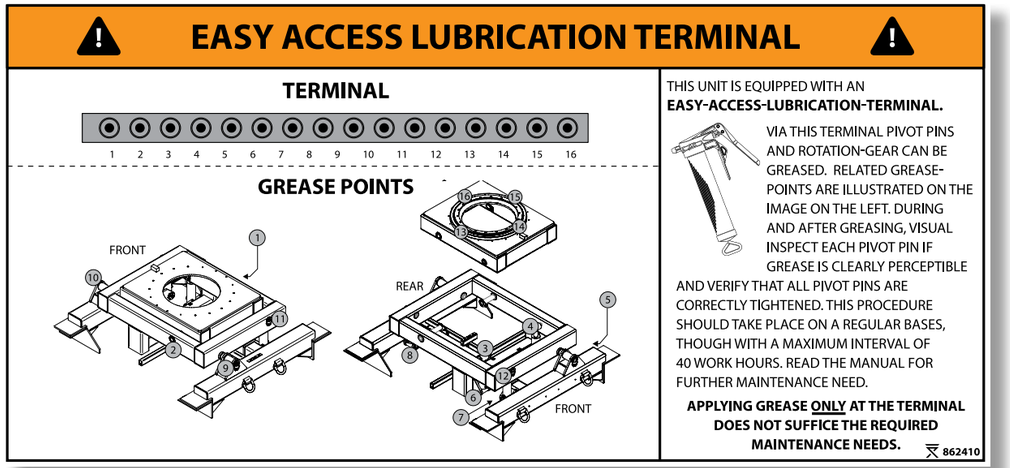


- Can cause fire!
- Keep flammables and people away from exhaust.

8.4.1 Operation regeneration process

1. If the particulate filter becomes full a regeneration process is required.
2. A pre-warning applies when filter becomes full by means of a blue warning light.
3. When the filter needs to undergo the regeneration process the horn will sound every 5 seconds.
4. The enable switch for starting the process for regeneration will blink (RPM button).
5. A message in the Onboard-diagnostic will display :

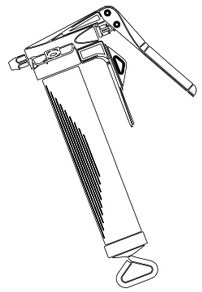
   regeneration required
6. Set the key switch to lower controls and start the engine.
7. Press the REGENERATION (RPM button) switch for about 3 seconds to enable the regeneration process.
8. The regeneration process will be done fully automatically, when process is finished all warnings will be terminated.
9. Normal operation can be reinstate.



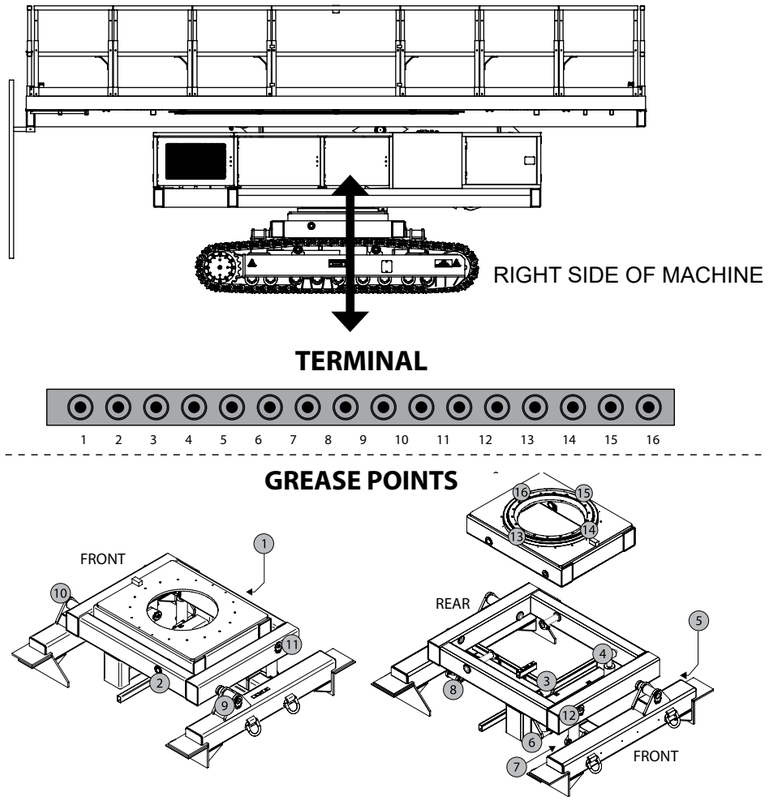
DECAL - EASY ACCESS LUBRICATION TERMINAL

8.5 Optional: Easy access lubrication terminal

Optional the machine can be equipped with an “easy access lubrication terminal”. This terminal allows central greasing for all pivot pins within the level frame. And greasing for the swing-slew-ring.



Via this terminal pivot pins and rotation-gear can be greased.
The related grease-points are illustrated on the image on the left.



WARNING

During and after greasing, visual inspect each pivot pin if grease is clearly perceptible and verify THAT ALL pivot pins are correctly tightened.
This procedure should take place on a regular bases, though with a maximum interval of 40 work hours. Read the manual for further maintenance need.

DANGER

Applying grease only at the terminal does not suffice the required maintenance needs.

9 Transporting the machine

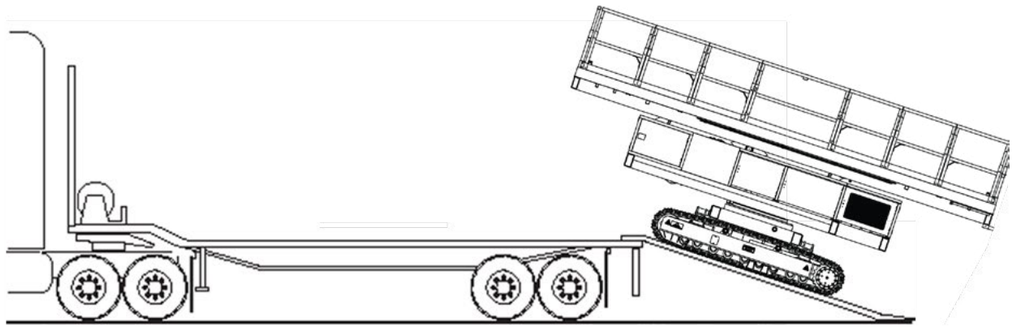
9.1 Hoisting and strapping

WARNING **Read and understand the safety markings, operating instructions and user-manual prior to working with the machine.**

Driving

- Turn the base key switch to PLATFORM. Check that the EMERGENCY STOP switch is reset by turning it clockwise.
- Enter the platform and reset the Platform EMERGENCY STOP switch.
- Test platform control functions.
- Carefully drive the machine off the transport vehicle with the winch attached.

Note: The brakes are automatically released for driving and will automatically apply when the machine stops.



9.2 Lifting and Tie Down Instructions

WARNING

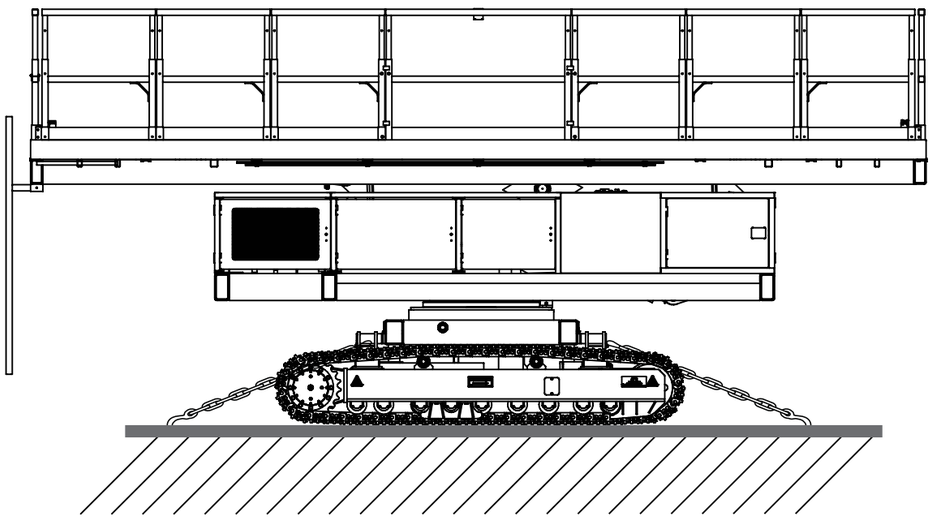
Only qualified riggers should rig and lift the machine. Ensure that the crane capacity, loading surfaces and straps are sufficient to withstand the machine weight. See the serial plate for the machine weight.

9.2.1 Lifting

- Fully lower the platform. Be sure the module doors are closed and secure. Remove all loose items from the machine.
- Fold down the guardrails.
- Determine the center of gravity of the machine.
- Attach rigging to the designated lift points only.
- Adjust the rigging to prevent damage to the machine and to keep the machine level.

9.2.2 Securing to Truck or Trailer for Transport

- Turn the key switch to OFF and remove the key before transport.
- Turn the battery disconnect switch to OFF before transport.
- Inspect the entire machine for loose or unsecured items.
- Use chains or straps of ample load capacity.
- Use a minimum of four (4) chains or straps.
- Adjust the rigging to prevent damage to the chains and the machine.



III Notes

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