



Operator's Manual

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



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II Compliances

OMEGA declare that the 600TS-series has been assessed, tested and approved in accordance with the requirements of the European Council Directive 2006/42/EC on machinery, and the EN280:2015.

EC Type-Examination number: 2400-B-858 - date submitted 14-MAY-2020

Overview of harmonized standards, norms and other referenced document, the OMEGA 600TS-series fulfils:

2006/42/EC	European Machine D
EN280:2015	Mobile elevating work criteria - Construction
IEC 60204-1 / EN 60204	Safety of machinery - General requirements
CAN/CSA B354.6-2017	Mobile elevating work requirements, and test edition, 2010-05-15, v
ISO 13849-1:2015	Safety of machinery - Part 1: General princi
ISO 13849-2:2012	Safety of machinery - 2: Validation
ANSI_SAIA_A92.20-2018	Design, Calculations, Mobile Elevating Wor
TIER 4	Emission standard No
(EU) 2016/1628 - STAGE V	Emission Regulation
2011/65/EU	Restriction of Hazard

CE

Directive

k platforms - Design calculations - Stability n - Safety - Examinations and tests

- Electrical equipment of machines - Part 1:

k platforms - Design, calculations, safety est methods (Adopted ISO 16368:2010, second with Canadian deviations)

— Safety-related parts of control systems siples for design

Safety-related parts of control systems - Part

, Safety Requirements and Test Methods for rk Platforms (MEWPs)

Ionroad Diesel Engines

European Parliament

ous Substances









III Specifications

Working height
Max. platform height
Max. drive height
Platform size
Length - decks retracted
Length - decks extended
Width
Guardrails height
Toeboard height
Lifting capacity
Capacity restriction deck extension
Max occupants
Allowed occupants deck extension
Dimensions
Length
Width
Height (guardrails up)
Height (guardrails retracted)
Height (guardrails removed)
Ground clearance
Machine weight
Max drive speed
Maximum Operating Inclination
Gradeability
Max allowed wind force
Track length
Track width
Total ground contact tracks
Noise level
Fuel tank capacity
Battery voltage / system voltage
Battery capacity
Diesel Engine
Engine model
Engine Emission classification
Engine power (max)
Fuel type
Level system
Level capability
Left / right
Fore / rear

612TS	615TS
10,2 m	10,2 m
8,2 m	8,2 m
5,0 m	5,0 m
4,0 m	4,0 m
7,1 m	7,1 m
2,1 m	2,1 m
1,1 m	1,1 m
150 mm	150 mm
1.250 kg	1.500 kg
250 kg	250 kg
4	4
2	2
4,1 m	4,1 m
2,1 m	2,1 m
3,2 m	3,2 m
2,9 m	2,9 m
2,28 m	2,28 m
35 cm	35 cm
8.340 kg	8.250 kg
0,55 m/s	0,55 m/s
3° / 3°	3° / 3°
35%	35%
12,5 m/s	12,5 m/s
3,0 m	3,0 m
40 cm	40 cm
2,3 m ²	2,3 m ²
< 93 dB	< 93 dB
100 L	100 L
12Vdc	12Vdc
120Ah	120Ah

KUBOTA D1803-CR Turbo TIER 4 FINAL / STAGE V 37 kW / 49.6 HP DIESEL - Ultra low sulfur fuel - Sulfur content <0.0015% (15 ppm) Manual or fully automatic

-3° / 3° (6° total correction) -3° / 3° (6° total correction)

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 Aerial Work Platform for its intended purpose of positioning personnel, along with their necessary tools and materials, to overhead work locations.



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'S **AERIAL WORK PLATFORM UNDER SUPERVISION** OF AN AUTHORIZED, TRAINED AND QUALIFIED OPERATOR.

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.

OMEGA SOLUTIONS produce and designed high quality and safe aerial work platforms that meet or exceeds several global essential standards. Only authorized, trained and qualified personnel should be allowed to operate or service the machine.

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

OMEGA

Leemidden 21 2678 ME De Lier The Netherlands +31 174 52 59 90 group@omegagroup.eu

THE OPERATOR'S MANUAL MUST BE READ AND UNDERSTOOD PRIOR TO OPERATING THIS OMEGA



Safety 2

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.





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



injury.

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



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.

Electrocution Hazard 2.3

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 10 m between any part of the machine, or its load, and any electrical line or apparatus carrying over 300 Volts up to 50,000 Volts.

1 meter 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 Fall Over Hazard



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.

DO NOT elevate the platform when the machine is on a surface that is soft, uneven, 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. 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, dropoffs or other hazardous conditions.

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.





2.4 Other hazards

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



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 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.

2.6 Collision Hazards



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

Check path before moving for overhead obstructions.

Check path before moving 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.



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

Check path before moving for crushing hazards when holding the platform



2.7 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.



Noise Level

With a running machine, the noise level can generate up to 93 dB.

Workplace Inspection 3

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.
- wind and weather conditions.
- the presence of unauthorized personnel.
- other possible unsafe conditions. •



Functions Test 4

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.



Operating Instructions 5

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 chapter covers the operations for - by means of cabled upper control box -"fixed upper control box".

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





reset.

Check power switch near lower control box, must be in ON position







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

Check platform control EMERGENCY STOP switch – turn clockwise to

As soon as the system is powered ON, the display will lit up and by default



Control elements 5.2



UPPER CONTROLS



5.3 Lower control panel - operate and test



U

STOP

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 the LOWER CONTROLS Turn the KEY SWITCH to LOWER CONTROLS



START

Emergency Stop functions.

Twist to reset.

Start / stop Engine

Press the green START button momentary (approx 1 sec). A sequence of event will follow, such as glow, fuel inlet control and cranking the diesel engine.

Press the red STOP button momentary to stop the engine.

level surface.



DANGER

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

- Test Operation
 - Elevate to maximum height.
 - ٠ ٠

Lower platform

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

- ٠
- ٠

Press the EMERGENCY STOP switch at any time to stop all machine

Do not elevate the platform if the machine is not on a firm

Releasing the switch will stop elevation. Pressing the EMERGENCY STOP switch will stop elevation.

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



5.4 Platform Controls - Operation and Test



capable of supporting the machine.



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



Start Engine from platform controls: Enter the platform and secure the entry. Operate the Start/stop diesel toggle switch located at the PLATFORM CONTROLS to start the diesel engine.



Horn: Operate the push button to sound the horn.





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

Twist to reset.



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



5.5.1 Drive - platform stowed



Activation of the EMERGENCY STOP switch will apply brakes immediately. This may cause unexpected platform movement as the machine comes to a sudden stop. Brace yourself and secure objects on the platform during operation of machine.



Function speed is proportional and is controlled by the movement of the joystick. The further it is moved forward or reverse, the faster the drive speed will be.

The joystick returns to the neutral (center) position when released. Each of the joysticks operates an individual track. Left joystick for the left track and vice versa.

Toggle the SELECTION TOGGLE towards the right (grey). This enables the DRIVE functions for about 10 seconds and as long as the selected function is in operation. The right LED will lit. As long as this LED is lit, DRIVE function is enabled.



To steer

Steering can be done by using the 2 joysticks, as stated before, each joystick operates one track (left joystick for left track - right joystick for right track).

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 less up or downwards.

Driving the Machine - forward

Enable drive. Operate both joysticks upwards. Test Operation

- Drive speed is proportional and is dependent on the movement of the joystick.
- Returning the joysticks to the center position will stop drive.
- Pressing the EMERGENCY STOP switch will stop drive.



Driving the Machine - reverse

Enable drive. Operate both joysticks backwards. Test Operation

- · Drive speed is proportional and is dependent on the movement of the joystick.
- Returning the joysticks to the center position will stop drive.
- Pressing the EMERGENCY STOP switch will stop drive.

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.



5.5.2 Drive - platform elevated



If the platform is not in stowed position (raised), extra attention must be given if drive is operated.

Verify the surrounding area carefully prior to operate driving.

Never operate drive if the surface is uneven.



Drive speed with elevated platform is restricted. The Engine RPM will remain idle.

Drive is disabled if the platform height is 5 meter and above.

The right LED will lit up RED at the platform height drive becomes disabled.



Drive-function disabled. Drive-function disabled, platform height 5 meter or above.

5.5.3 Drive speed selection



Speed for Drive and Lift can be pre-selected.

There are three different drive speeds to select:

- HIGH SPEED : Engine will be at high RPM and max. drive speed is about 2,0 km/h.
- MID SPEED : Engine will be at high RPM and max. drive speed is about 1,5 km/h (for more precise manoeuvring and more torque).
- LOW SPEED : Engine will stay low RPM and max drive speed is about 0,8 km/h (for accurate manoeuvring).

With the platform height being at 3 meters or above, the drive speed is limited to LOW SPEED.

5.6 Lift and Lower the platform

Prior to able to operate Lift and Lower function, it is mandatory to activate these functions by activating the LIFT / LEVEL / DECK / ROTATION toggle switch once. LIFT / LEVEL / DECK / ROTATION functions are enabled for 10 seconds after operating the toggle switch before they need to be enabled again.

Toggle the SELECTION TOGGLE towards the left (orange). This enables the LIFT / LEVEL / DECK / ROTATION functions for about 10 seconds and as long as the selected function is in operation. The left LED will lit. As long as this LED is lit, LIFT / LEVEL / DECK / ROTATION functions are enabled.



WARNING

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



FULLY RAISED



Function speed is proportional and is controlled by the movement of the joystick. The further it is moved forward, the faster the lift speed will be.

Raise / lift the platform Operate the left joystick FORWARD to lift the platform.

Lowering the platform Operate the joystick BACKWARDS to lower the platform.



Levelling Procedure 5.7

Prior to able to operate LEVEL functions, it is mandatory to activate these functions by activating the LIFT / LEVEL / DECK / ROTATION toggle switch once.

Toggle the SELECTION TOGGLE towards the left (orange). This enables the LIFT / LEVEL / DECK / ROTATION functions for about 10 seconds and as long as the selected function is in operation. The left LED will lit. As long as this LED is lit, LIFT / LEVEL / DECK / ROTATION functions are enabled.



LEVEL function can only be operated with platform at stowed position, or at least below 3 meters platform height. Above 3 meters platform height LEVEL functions are disabled.

If the machine is at a minor slope, the LEVEL-system allows to set the platform to level-position. The Level system can be operated manual, or fully automatic.



SIDE / SIDE LEVEL



FRONT / REAR LEVEL



disabled.



Manual Level: Front to Rear Tilt to Front: Move and hold the toggle switch to UP to tilt the platform to the desired position.

Tilt to Rear: Move and hold the toggle switch to DOWN to tilt the platform to the desired position.

Manual Level: Side to Side Tilt to Left: Move and hold the toggle switch to the LEFT to tilt the platform to the desired position.

Tilt to Right: Move and hold the toggle switch to the RIGHT to tilt the platform to the desired position.



Auto Level Move the toggle switch DOWN to start levelling. Hold the toggle switch DOWN until levelling operation is complete.

When the platform reaches the level position, auto levelling will automatically stop.

If the platform is off-level - the LIFT function will be



5.8 Rotation (only OMEGA 612TS)

Prior to able to operate rotation functions, it is mandatory to activate these functions by activating the LIFT / LEVEL / DECK / ROTATION toggle switch once.

LIFT / LEVEL / DECK / ROTATION functions are enabled for 10 seconds after operating the toggle switch before they need to be enabled again.

Toggle the SELECTION TOGGLE towards the left (orange). This enables the LIFT / LEVEL / DECK / ROTATION functions for about 10 seconds and as long as the selected function is in operation. The left LED will lit. As long as this LED is lit, LIFT / LEVEL / DECK / ROTATION functions are enabled.





Do not rotate unless guardrails are installed and secured. Rotation is limited to 90 degrees in relation to track-base.

Verify the area around the machine carefully. Rotation brings the chassis as well the platform away from the footprint of the machine. Make sure enough clearance is present before operating the rotation function.





Rotate counter clockwise

Rotate clockwise Operate the joystick BACKWARDS to rotate clockwise.

WARNING

reason attached.



DECALS DRIVE DIRECTION

Operate the left joystick FORWARD to rotate counter clockwise.

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

Hydraulic powered extension decks 5.9

To enlarge the working area of the platform, the OMEGA 600TS-series is equipped with on both side hydraulic powered extension decks. The hydraulic powered extension decks can only be operated with a running engine.

Prior to able to operate any of the hydraulic powered extension deck functions, it is mandatory to activate these functions by activating the LIFT / LEVEL / DECK / ROTATION toggle switch once. Toggle the SELECTION TOGGLE towards the left (orange). This enables the LIFT / LEVEL / DECK / ROTATION functions for about 10 seconds and as long as the selected function is in operation. The left LED will lit. As long as this LED is lit, LIFT / LEVEL / DECK / ROTATION functions are enabled

When operating any of the decks, verify that the decks can move freely and that overall obstructions, walls or other object not being hit.

Front deck operation

Move and hold the toggle switch to the RIGHT or to the LEFT to operate the front deck.

Rear deck operation

Move and hold the toggle switch to the RIGHT or to the LEFT to operate the rear deck.

5.10 AC power supply

DANGER

equipment can be used.

good condition AC equipment.

Activate AC supply

- switch.
- The orange LED will lit up.

not above the AC power supply system.

Een AC power supply is an optional feature. Via AC outlet mounted on the platform, AC power

The AC-supply is hazardous. Use only approved and in

The AC power supply can be powered ON via the AC toggle

Set the toggle switch to the ON position.

Assure that the AC connected equipment is suitable for the voltage and the power rating of the AC equipment is

5.11 LED indicators

5.11 Shut-down procedure

4.

Exit the platform and close the entry gate. Turn the KEY SWITCH at lower control in middle position and take out the key. Removing the key prevents unauthorized use. Turn the MAIN POWER SWITCH to the left to set it to the OFF position.

Note: If the main switch remains in the ON position, the main battery will drain in time.

Key Switch lower controls

Main switch

Green LED lit up whenever machine is powered up and no errors are detected. Normal operation of the machine is possible.

Red LED lit up if the system measures a hazardous reading. Consult the display at the lower controls for further information. Do not continue to operate the machine. Contact your OMEGA Service point if problems insists.

This LED lit up when an overload has been detected. All functions are disabled. The alarm will sound.

- 1. Push in the EMERGENCY STOP
- 2. Remove the load of the platform that caused the overload situation.
- 3. Activate the machine by setting the EMERGENCY STOP to ON twist.

Park the machine on a level surface.

Operating Instructions - radiographic remote control 6

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 chapter covers the operations by means Radiographic remote control.

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.

6.1 Pre-start

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

clockwise to reset.

Check power switch near lower control box, must be in ON position

shows the hour reading.

Check radiographic remote control EMERGENCY STOP switch - turn

As soon as the system is powered ON, the display will lit up and by default

Control elements 6.2

Radiographic remote control (transmitter)

6.2.1 Additional information and instruction for use of remote control

Key Switch lower

controls

Operating the machine via the radiographic remote control is only permissible from the work platform.

Only for loading and unloading the machine up and from a truck, the radiographic remote control may be used while standing adjacent to the machine.

it is strictly prohibited to operate the machine with people on the working platform while the operator of the radiographic remote control is not on the working platform.

Transmitting unit

When taking the transmitting unit away from the machine, turn the KEY SWITCH at lower in middle position and take out the key.

Avoid leaving the transmitting unit unattended or in such condition that it may be damaged, tampered with, or operated by people who are not qualified to do so. Avoid doing anything else while using the radiographic remote control, such as, by way of example, operate other machines, eat and/or drink, use communication devices.

Use the transmitting unit with the use of the carrying belt, which is provided with the attributes supplied with this machine.

following directives and standards: RoHS 2011/65/EU EMC 2014/30/EU EN300 220-2 V3.1.1 EN61000-6-2 EN301 489-3 V2.1.1

Receiver unit Located at lower control box

OMEGA's radio graphic remote control system meets and exceeds the

EN61000-6-3	EN60950-1
EN60204-32	EN62479
EN60204-1	EN13557
EN ISO 13849-1	EN60068-2-1

6.3 Lower control panel - operate and test

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 the LOWER CONTROLS Turn the KEY SWITCH to LOWER CONTROLS

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

Twist to reset.

functions.

Start / stop Engine

Press the green START button momentary (approx 1 sec). A sequence of event will follow, such as glow, fuel inlet control and cranking the diesel engine.

Press the red STOP button momentary to stop the engine.

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.

6.4 Radiographic remote Control - Operation and Test

capable of supporting the machine.

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

Emergency Stop functions.

Twist to reset.

Connect transmitter with receiver unit Press the ENABLE BUTTON on the left side of the remote control unit briefly. By pressing the ENABLE BUTTON the connection between transmitter and receiver is initiated. Verify that display at the lower control is lit up, by default shows the hour reading.

Start / stop Engine from radiographic remote control: Enter the platform and secure the entry. Press the START / STOP button briefly to start the engine (right side). With a running engine, pressing the START / STOP button once more, will stop the Engine.

Operating Instructions - radiographic remote control

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

Press the EMERGENCY STOP switch at any time to stop all machine

6.5.1 Drive - platform stowed

Activation of the EMERGENCY STOP switch will apply brakes immediately. This may cause unexpected platform movement as the machine comes to a sudden stop. Brace yourself and secure objects on the platform during operation of machine.

Function speed is proportional and is controlled by the movement of the joystick. The further it is moved forward or reverse, the faster the drive speed will be.

The joystick returns to the neutral (center) position when released. Each of the joysticks operates an individual track. Left joystick for the left track and vice versa.

Prior to be able to operate any function, press the ENABLE switch on the left of the remote controller briefly. After the ENABLE switch has been pressed, for a period of about 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.

To steer

Steering can be done by using the 2 joysticks, as stated before, each joystick operates one track (left joystick for left track - right joystick for right track).

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 less up or downwards.

Driving the Machine - forward

Enable drive. Operate both joysticks upwards. Test Operation

- Drive speed is proportional and is dependent on the movement of the joystick.
- Returning the joysticks to the center position will stop drive.
- Pressing the EMERGENCY STOP switch will stop drive.

TRACK LEFT

Driving the Machine - reverse

Enable drive. Operate both joysticks backwards. Test Operation

- Drive speed is proportional and is dependent on the movement of the joystick.
- Returning the joysticks to the center position will stop drive.
- Pressing the EMERGENCY STOP switch will stop drive.

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.

6.5.2 Driving with the platform elevated

If the platform is not in stowed position (raised), extra attention must be given if drive is operated.

Verify the surrounding area carefully prior to operate driving.

Never operate drive if the surface is uneven.

Drive speed with elevated platform is restricted. The Engine RPM will remain idle. A LED will lit up to indicate when platform is in elevated mode.

Drive is disabled if the platform height is 5 meter and above. A LED will lit up to indicate the platform height is above the max drive height.

6.5.3 Drive speed selection

Speed for Drive and Lift can be preselected.

There are three different drive speeds to select:

- HIGH SPEED : Engine will be at high RPM and max. drive speed is about 2,0 km/h.
- MID SPEED : Engine will be at high RPM and max. drive speed is about 1,5 km/h (for more precise manoeuvring and more torque).
- LOW SPEED : Engine will stay low RPM and max drive speed is about 0,8 km/h (for accurate manoeuvring).

With the platform height being at 3 meters or above, the drive speed is limited to LOW SPEED.

6.6 LIFT and Lower the platform

Prior to be able to operate any function, press the ENABLE switch on the left of the remote controller briefly. After the ENABLE switch has been pressed, for a period of about 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.

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

STOWED

Function speed is proportional and is controlled by the movement of the joystick. The further it is moved forward, the faster the lift speed will be.

Raise / lift the platform Operate the left joystick FORWARD to lift the platform.

Lowering the platform Operate the joystick BACKWARDS to lower the platform.

Levelling Procedure 6.7

Prior to be able to operate any function, press the ENABLE switch on the left of the remote controller briefly. After the ENABLE switch has been pressed, for a period of about 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.

LEVEL function can only be operated with platform at stowed position, or at least below 3 meters platform height. Above 3 meters platform height LEVEL functions are disabled.

If the machine is at a minor slope, the LEVEL-system allows to set the platform to level-position. The Level system can be operated manual, or fully automatic.

By means of the display and via a LED, the Level-position can be verified.

disabled.

Manual Level: Side to Side Tilt to Left: Move and hold the toggle switch to the LEFT to tilt the platform to the desired position.

Tilt to Right: Move and hold the toggle switch to the RIGHT to tilt the platform to the desired position.

position.

position.

If the platform is off-level - the LIFT function will be

Manual Level: Front to Rear Tilt to Front: Move and hold the toggle switch to UP to tilt the platform to the desired

Tilt to Rear: Move and hold the toggle switch to DOWN to tilt the platform to the desired

Auto Level

Move the toggle switch DOWN to start levelling. Hold the toggle switch DOWN until levelling operation is complete.

When the platform reaches the level position, auto levelling will automatically stop.

Rotation (only OMEGA 612TS) 6.8

Prior to be able to operate any function, press the ENABLE switch on the left of the remote controller briefly. After the ENABLE switch has been pressed, for a period of about 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.

Do not rotate unless guardrails are installed and secured. Rotation is limited to 90 degrees in relation to track-base.

Verify the area around the machine carefully. Rotation brings the chassis as well the platform away from the footprint of the machine. Make sure enough clearance is present before operating the rotation function.

ROTATE

Function speed is proportional and is controlled by the movement of the joystick. The further it is moved forward, the faster the lift speed will be.

Rotate clockwise (CW) Operate the joystick FORWARD to rotate clockwise.

Rotate counter clockwise (CWW) Operate the joystick BACKWARDS to rotate counter clockwise.

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

Hydraulic powered extension decks 6.9

To enlarge the working area of the platform, the OMEGA 600TS is equipped with on both side hydraulic powered extension decks.

The hydraulic powered extension decks can only be operated with a running engine.

Prior to be able to operate any function, press the ENABLE switch on the left of the remote controller briefly. After the ENABLE switch has been pressed, for a period of about 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.

When operating any of the decks, verify that the decks can move freely and that overall obstructions, walls or other object not being hit.

Front DECK extend / retract

Operate the joystick in the desired direction to extend or retract the deck.

Rear DECK extend / retract

Operate the joystick in the desired direction to extend or retract the deck.

AC power supply

6.10

Een AC power supply is an optional feature. Via AC outlet mounted on the platform, AC power equipment can be used.

good condition AC equipment.

Activate AC Supply

- switch.

Assure that the AC connected equipment is suitable for the voltage and the power rating of the AC equipment is not above the AC power supply system.

The AC-supply is hazardous. Use only approved and in

The AC power supply can be powered ON via the AC toggle

Set the toggle switch to the ON position.

6.11 Air-link - Dynamic Display and LED indicators

The radiographic remote control covered in this chapter, is equipped with a dynamic display. Also known as the "Air-link Radiographic remote control".

The dynamic display together with the LED indicators provides instant information on various machine statuses and its positions. It gives info on possible hazardous situations, and info on certain maintenance requirements.

☆		() Omega	
	PLATFORM HEIGHT	0 %	1 0 2 0 DPF
	LOAD	25%	2
T • 100%+	ENGINE RPM	1350	
😴 ● ∆	FUEL	55%	⚠ ● 💥
<u> ≧</u> ● ⊘	BATTERY VOLTAGE	12V	•
F • 5%	TILT LVL X / Y	3. / 2.	•
PP • 0%	AMBIENT TEMP.	10 C	•
		all -	-×-
	DMEGA		802242

AIR LINK DISPLAY

LED Indicators - left side

×			Platform is ELEVATED
	6	\$	DRIVE is disabled
₩	99	9%	Load on the platform reaching max allowed (pre-warning)
F	10	0%+	Load on the platform is beyond permitted weight - all functions blocked.
F		\mathbf{N}	In stowed position - inclination of chassis more than permitted.
MI	• 6	0	In elevated position - inclination of chassis more than permitted - all functions are locked - only lowering possible.
	5	%	Fuel tank is almost empty
P	0	%	Fuel tank is empty, engine will not run any longer
X			Blinks slow when connection is established, blink fast when connection is not established.

LED Indicators - right side

DPF level indicators, LED 1, 2 or 3 will lit up at DPF notification, see chapter DPF. (1 = pre-warning / 2 = DPF Required / 3 = DPF required(!!), machine functions locked) Error detected with Engine system. Check display at lower controls for further diagnostics. Maintenance interval is triggered, machine needs to undergo periodical maintenance.

Dynamic Display content

Blink fast when battery of remote controller is flat. Replace battery.

- if temperature is below minus 5 degrees Celsius, RPM increases by 5% - if temperature is below minus 15 degrees Celsius, RPM increases by 10%

Indication of battery level of remote controller, if RED - replace battery

6.12 Shut-down procedure

1.

Key Switch lower controls

- Park the machine on a level surface.
- 2. Exit the platform and close the entry gate.
- 3. Turn the KEY SWITCH at lower control in middle position and take out the key. Removing the key prevents unauthorized use.
- Turn the MAIN POWER SWITCH to the left to set it to the 4. OFF position.

Note: If the main switch remains in the ON position, the main battery will drain in time.

Emergency Systems 7

WARNING

procedure to safely lower the platform.

Emergency Stop 7.1

Emergency Stop

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

Main switch

EMERGENCY STOP

If the control system fails while the platform is elevated, have an experienced operator use the emergency lowering Do not attempt to climb down elevating assembly.

The machine is equipped with two EMERGENCY STOP switches.

LOWER CONTROLS

UPPER CONTROLS / FIXED

RADIOGRAPHIC REMOTE CONTROL

Emergency Lowering 7.2

Emergency Lowering

The Emergency Lowering System is to be used to lower the platform in case of system failure.

To lower the platform, perform the following steps:

- Push and hold the toggle switch UP to lower the platform.
- Once the platform is fully lowered, release the toggle switch.

The emergency lowering system is located at the lower control box right side.

Machine Inspections 8

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

assembly.

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.

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

Never leave hydraulic components or hoses open. They must be protected from contamination (including

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 **Pre-Start Inspection Checklist**

The operator must conduct a thorough Pre-Start Inspection of the machine before each work shift. Photocopy this page for reuse. Wisely to archive each inspections records. Report all discrepancies to your supervisor.

	Serial number
Date	Inspected by
	Description
	Check that the operator's, safety, ar container located on the platform. Perform a visual inspection of all ma or loose hoses, hydraulic fluid leaks Check all structural components of t collision damage.
	Check the platform rails and sliding Check that all warning and instruction Check the tracks for damage. All structural components, pins and
FLUID LEVE	L CHECKLIST
Initial	Description
	Check for any fluid leaks. Check correct hydraulic fluid level (o
	Check if there is enough fuel for the
Initial	Description
	Secure all covers and panels. Perform Routine Maintenance as ne Do a function check of all major func

Hour reading ______

achine components. Look for missing parts, torn s, torn or disconnected wires, damaged tracks etc. the machine for cracked welds, corrosion and

worn or chafed areas.

mid-rail entry for damage or modification.

onal labels are legible and secure.

fasteners are present and properly tightened.

check with platform fully lowered).

course of the working day

eeded.

ctions of machine

8.2 Monthly Inspection Checklist

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.

Check air filter engine. Replace if needed / polluted

Check play on track, tension tracks if needed

Check that all adjustable flow valves are locked

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.

Model	Serial number	Hour reading	Model	Serial number
Date	Inspected by		Date	Inspected by _

MONTHE	Y INSPECTION CHECK	QUARTE	ERLY INSPECTION CHECK
Initial	Description	Initial	Description
	Perform all checks listed on Pre-start Inspection.		Perform all checks listed on Pre-s
	Inspect the condition of hydraulic fluid in the reservoir. Oil should have a clear amber color.		Check the operation speeds to er
	Inspect all beams and pivot points for signs of wear and/or damage.		Check the emergency lowering s
	Check the pin joints and retaining rings for security. Inspect the entire machine for signs of damage, broken welds, loose bolts, improper		Clean and lubricate all push butto switches operate freely in all posi
	or makeshift repairs.		Check the overall platform and g
	Check that the platform does not drift down with a full load.		Check the electrical mounting and
	Check that the level frame does not drift		Check all pivot pins for excessive
	Check all wire connections.		Carry out maintenance needs on
	Check oil level of engine		

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.

Hour reading

e-start/Monthly Inspection.

ensure they are within specified limits

g system.

8.3 Quarterly Inspection Checklist

utton switches with dry lubricant and ensure that the ositions.

I guardrail component stability.

and hardware connections for security.

ive play.

on the engine.

Maintenance 9

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.

- before opening hydraulic systems.
- incompatible lubricants may be as harmful as no lubrication.
- 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.

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

Use only recommended lubricants. Improper lubricants or

Watch for makeshift "fixes" which can jeopardize safety as

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.

Routine Maintenance 9.1

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

Pre-Start Inspection

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

9.2 Scheduled Maintenance

Maintenance performed monthly, guarterly, annually and biannually must be performed by a gualified 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.

9.3 Scissor stack - maintenance lock

Install maintenance locks only with unloaded platform.

To set Maintenance Lock

- 1. Remove any load that might be on the platform
- Elevate platform approximately 4 meter and rotate maintenance 2. lock to Blocked position
- 3. maintenance lock.
- 4 Scissor assembly is blocked.

PLACE

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

Lower platform until scissor assembly comes to rest on the

PLATFORM

9.4 Diesel Particulate Filter (DPF)

DECAL DPF - NEARBY LOWER CONTROLS

This machine is 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.

here instructed.

EXTREME Hot exhaust

- Can cause fire.

DANGER

9.4.1 Operation regeneration process

- If the particulate filter becomes full a regeneration process is required. 1.
- 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.
- The enable switch for starting the process for regeneration will blink (RPM button). 4.
- 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.
- The regeneration process will be done fully automatically, when process is finished 8. all warnings will be terminated.
- 9. Normal operation can be reinstate.

This machine with its engine fulfils the requirements: **EMISSION STANDARDS FOR ENGINES STAGE V / TIER 4-FINAL**

the machine will not longer operate if maintenance is not done as

Keep flammables and people away from exhaust

9.5 DIESEL Fuel

ONLY USE RECOMMENDED FUEL TYPE

The use of fuels other than recommended may damage the engine or/and the engine fuel-system. This damage could be irrevocable. Damage caused by using fuels other than recommended is not covered by OMEGA's warranty terms.

FUEL TYPE TO BE USED:

DIESEL FUEL Ultra low sulfur fuel - Sulfur content < 0.0015% (15 ppm)

Additional information fuel type use:

The minimum recommended Fuel Cetane Rating is 45. A cetane rating greater than 50 is preferred, especially for ambient temperatures below -20 °C(-4 °F) or elevations above 1.500 m (4921 ft).

Diesel fuel specification type and sulfur content% (ppm) used, must be compliant with all applicable emission regulations for the area in which the engine is operated.

DO NOT USE Fuels that have sulfur content greater than 0.0015% (15 ppm).

Diesel fuels specified to EN590 (0.001% (10 ppm) sulfur maximum) or ASTM D975 (0.0015% (15 ppm) sulfur maximum) are recommended.

No. 2-D is a distillate fuel of lower volatility for engines in industrial and heavy mobile service (SAE J313 JUN87).

These engines utilize Tier 4 standards, the use of ultra low sulfur fuel is mandatory for these engines, when operated in US EPA regulated areas. Therefore, please use No. 2-D S15 diesel fuel as an alternative to No. 2-D, and use No. 1-D S15 diesel fuel as an alternative to No. 1-D for ambient temperature below -10 °C (14 °F).

9.5.1 Fuel tank / fuel level

The Fuel tank is integrated into the chassis and can be found at the left - front side of the machine. The filler cap is at the top of the chassis module: front / left side.

Via FUEL GAUGE LEVEL METER the level of the fuel tank can be monitored.

If the machine is equipped with an Air Connected Radiographic remote control, the fuel level is shown in the Dynamic display and two LED indicators are dedicated for Fuel level warning.

WARNING

Do not run the machine and its engine until the fuel tank level is too low or completely out of fuel. Running out of fuel may result in the necessity bleeding the fuel system. Contact your OMEGA service point in case fuel bleeding system presumably becomes required.

FRONT SIDE

9.5.2 Refuelling fuel tank

Do not refuel with the engine running.

The filler cap can be opened and removed by turning it counter clockwise.

Once the tank is filled reinstall the filler cap to close the tank.

	Fuel tank is almost empty
	Fuel tank is empty, engine will not run any longer
5%	Level of fuel tank. - 0% = Empty tank - Engine will not run any longer - 100% = Full fuel tank

During refuelling avoid any dirt or sand getting into the tank.

9.6 Charging battery - transmitter

The radiographic control (the transmitter unit) runs on a rechargeable battery. It is recommended to recharge / swap the battery after each shift . Within the attributes with this machine, two batteries are supplied. With the intention - to have one battery in use in the transmitter, while the other is in the battery charger.

The integrated battery charger for the battery of the transmitter unit, is only active (charging) if the system is powered on.

Battery Insertion

Push the battery towards the contacts on the Transmitting Unit (1) and insert it inside the housing (2).

Battery removal

Push the battery towards the contacts on the Transmitting Unit (3) and remove it from the housing (4).

Placing battery into charger

Insert the battery in its designated housing in the Battery Charger. Push the battery towards the contacts on the Battery Charger. Push the battery downwards. Charging of the battery starts up. The LED on the charger will be steady-ON

Once the battery is fully charged, the LED on the charger will blink fast.

9.6.1 Rechargeable battery - transmitter

Never use damaged batteries (e.g. crushed, punctured, swollen or leaking batteries). Never use batteries if they have been dropped even just once, as their internal components may have been damaged, even though this cannot be seen from the outside. Improper use of batteries may pose the hazard of fire, explosion, overheating or other hazards.

In particular, avoid the following:

- short-circuiting battery contacts
- in any way
- trying to insert objects in the battery
- immersing or exposing batteries in/to water or other liquids placing the battery inside or on heating devices (e.g. ovens,
- heaters, radiators)
- exposing the battery to impacts and drops Do not carry loose batteries in a pocket or purse together with metal objects (like keys, coins, paper clips). This can shortcircuit the battery, leading to high heat and causing burns.

Use only original OMEGA batteries and recharge them only with the suitable Battery Charger, which is provided with the attributes of this machine.

LOCATION BATTERY CHARGER FOR BATTERY TRANSMITTER

- disassembling, cutting, opening, pressing, deforming, drilling, modifying, tampering with batteries or attempting to repair them

placing the battery within high pressure containers

RY		
	239044	
	Li-ion	
	7,4V	
	1.400mAh	
	3 hr	
	IP65	
oprox)	9 hr	

10 Transporting the machine

WAARSCHUWING

machine.

10.1 Driving or winching onto or off of a transport vehicle

Driving

- Turn the KEY SWITCH at the lower controls 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.

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

10.2 Lifting and Tie Down Instructions

WAARSCHUWING

serial plate for the machine weight.

10.2.1 Lifting / hosting

- Fully lower the platform. Be sure the deck extension is retracted and the modules are
- closed and secure. Remove all loose items from the machine. •
- 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.

10.2.2 Securing to Truck or Trailer for Transport

- Securing to Truck or Trailer for Transport
- Lock the deck extension in the retracted position.
- Turn the key Selector 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 two (2) chains or straps.
- Adjust the rigging to prevent damage to the chains and the machine.

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

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IV Notes

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Operator's Manual OMEGA 600TS-series Track powered scissor lift Manual's part number: 440822