snorkel

A62JRT



OPERATOR'S MANUAL

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Appendix A – Glossary

Limited Warranty

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General Specifications

Aerial Platform

Working height	67' 8" (20.6 m)
Maximum platform height	61' 8" (18.8 m)
Up and over height	29' 6" (9.0 m)
Maximum horizontal reach	36' 6.4" (11.1 m)
Main boom	
Articulation	0° to +72.9°
Extension	10'1" (3.1 m)
Jib	
Articulation	-68.5° to +68.5°
Extension	6' (1.82 m)
Tail swing	0
Turntable rotation	360° non-continuous
Turning radius, outside	15'1" (4.6 m)
Turning radius, inside	4' 7" (1.4 m)
Wheelbase	8' (2.4 m)
Ground clearance	13.75" (350 mm)
Maximum wheel load	11,000 lb (4990 kg)
Maximum ground pressure	198 psi (448 kg/cm²)
Weight, EVW approximate	24,700 lbs (11204 kg)
Level sensor setting	5 degrees
Width	8' (2.4 m)
Stowed length	28' 2.5" (8.6 m)
Stowed height	8' 5" (2.56 m)

Platform

Dimensions	
Standard	39" x 96" (1.0 m x 2.4 m)
Rated work load	500 lb (227 kg)
Rotation	180 degrees
Maximum number of occupants	2 people
Optional AC generator	110 V
Optional AC generator	220 V, 3-phase, 7.5 kw

Function Speed

Turntable rotation	
Booms retracted	130 to 134 seconds
Riser	
Up	48 to 51 seconds
Down	49 seconds
Main boom	
Up	34 to 38 seconds
Down	28 to 30 seconds
Extend	30 to 32 seconds
Retract	33 to 38 seconds
Jib	
Up	14 to 19 seconds
Down	12 to 15 seconds
Platform rotation	8 to 11 seconds
Drive	
High, booms stowed	3.5 mph (5.6 km/h)
Low, booms stowed	0.9 mph (1.4 km/h)
Low, booms raised/extended	0.68 mph (1.1 km/h)

Drive System

Standard	4WD hydrostatic
Gradeability	45%
Axle	front oscillating
Vertical wheel travel	9" (22.8 cm)

Tires

Foam Filled Bar lug	355/55 D625, 14 ply

Electrical System

Voltage	12 V DC negative chassis ground
Source	One - 12 V battery
Fluid recommended	distilled water

Hydraulic System

Pressure	
Drive circuit maximum	6,000 psi (41368 kPa)
Boom circuit maximum	2,750 psi (18960 kPa)
Reservoir capacity	45 US gal (170 l)
Systm capacity	51 US gal (193 l)
Maximum operating temperature	200°F (93°C)
Hydraulic fluid recommended	
Above 32°F (0°C)	Mobil Fluid 424
Consistently between 0°F (-17°C) and 32°F (0°C)	ISO VG32
Below 0°F (-17°C)	ISO VG15

Engine

Diesel	Kubota V2403-T
Output	59hp/44kw

Fuel Tank Capacity

Diesel	46 US gal (173 l)
LPG	43.5 lbs (19.7 kg)
Dual fuel	
Gasoline	46 US gal (173 l)
LPG	43.5 lbs (19.7 kg)

Ambient Air Temperature Operating Range

Fahrenheit	0°F to 110°F
Celsius	-18°C to 43°C

Maximum Wind Speed

Gust or steady	28 mph (12.5 m/sec)

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⚠Danger

Pinch points may exist between moving components. Death or serious injury will result from becoming trapped between components, buildings, structures, or other obstacles. Make sure all personnel stand clear while operating the aerial platform.

- Controls to position the platform are located on the lower control panel on the turntable and on the upper control panel in the platform.
- Controls to drive the aerial platform are located on the upper control panel only.

Battery Disconnect Switch

The battery disconnect is located next to the engine on the right side of the chassis (refer to Figure 6.1).

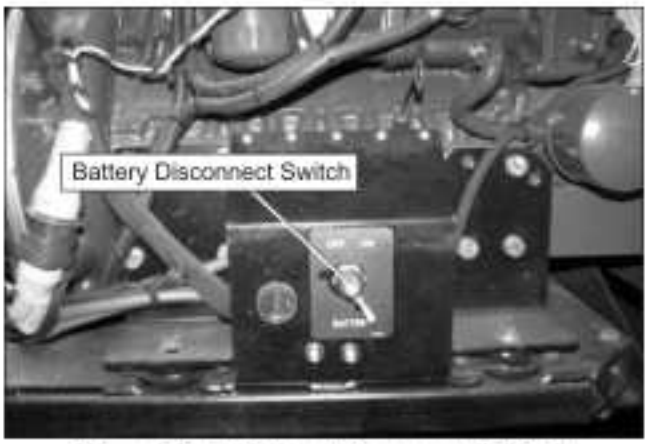


Figure 6.1 – Battery Disconnect Switch

The battery disconnect removes electrical power from all electrically controlled functions when in the off position.

- Place the switch in the on position to electrically connect the battery to the electrical system.

⚠Caution

Only authorized personnel should operate the aerial platform. Unqualified personnel may cause injury to coworkers or property damage. Lock the battery disconnect switch in the off position before leaving the aerial platform unattended.

- Lock the battery disconnect switch in the off position to prevent unauthorized use of the aerial platform.

Lower Controls

The lower controls (refer to Figure 6.2) are located on the left side of the turntable. Boom and platform functions can be operated from the lower controls. The following are located on the lower control panel:

- Emergency stop button
- Control selector switch
- Preheat button
- Start button
- Ground operation switch
- Rotation switch
- Riser switch
- Boom elevation switch
- Boom extension switch
- Jib articulation switch
- Platform level switch
- Platform rotation switch
- Engine/emergency power switch
- Hydraulic system warm-up switch (option)
- Fuel switch (dual fuel option)

Emergency Stop Button

The emergency stop (refer to Figure 6.2) is a two-position, red push button.

- Push the button inward to disconnect power to all control circuits.
- Pull the button outward to restore power.

Control Selector Switch

Use the control switch (refer to Figure 6.2) to select between lower control and upper control operation.

- Turn the switch to the left, toward the platform to operate the aerial platform from the upper controls.
- Turn the switch to the right, toward the chassis to operate the aerial platform from the lower controls.

An alarm sounds when the switch is turned on to warn others that the machine engine is being started.

Preheat Button

The preheat button (refer to Figure 6.2) is a two-position, black push button. This button operates the glow plugs to aid in starting the engine when the start switch is in the on position.

- When the engine is warmed up or the ambient temperature is above 50°F (10°C), it is not necessary to operate the glow plugs before starting the engine.
- When the ambient temperature range is 50°F (10°C) to 23°F (-5°C), press and hold the preheat button for five seconds before starting the engine.
- When the ambient temperature is below 23°F (-5°C), press and hold the preheat button for ten seconds before starting the engine.

Start Button

The start button (refer to Figure 6.2) works like an automobile ignition switch.

- Push the start button until the engine starts, then release it to on.

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Symptom	Possible Cause	Corrective Action
Electrical outlet does not work.	Power supply not plugged in.	Plug a source of power into the power-input connector on the chassis.
	GFCI is tripped.	Push reset button on outlet.
	AC generator switch not in the generator position.	With the engine running, place the AC generator switch in the generator position.
	Power cord to platform is not plugged into the AC generator.	Plug power cord into the outlet on the generator.
Improper AC generator output voltage.	Hydraulic oil is cold and thick.	Use cold weather hydraulic oil as recommended for weather conditions. Warm oil before operating the machine.
Hydraulic fluid temperature 200°F (93°C) or more.	Prolonged boom operation or driving.	Stop operation until fluid cools.
	High pressure fluid return to reservoir caused by kinked or twisted hose.	Remove the kink or twist from the hose. Let fluid cool before operating.
	Hydraulic system component failure.	Stow the machine and do not operate until repairs are made.
Severe hydraulic leak.	Failure of hose, tube, fitting, seal, etc.	Do not operate machine until repairs are made.

Fuel Line Air Bleeding – Kubota V2403-T

If the engine will not start because of air in the fuel line, use one of the following methods to remove the air to restart the engine.

Open Bleeder Valve and Crank Engine

Slightly open the bleeder valve (refer to Figure 1) and crank the engine for a few seconds to let the air out. Close the valve and start the engine.

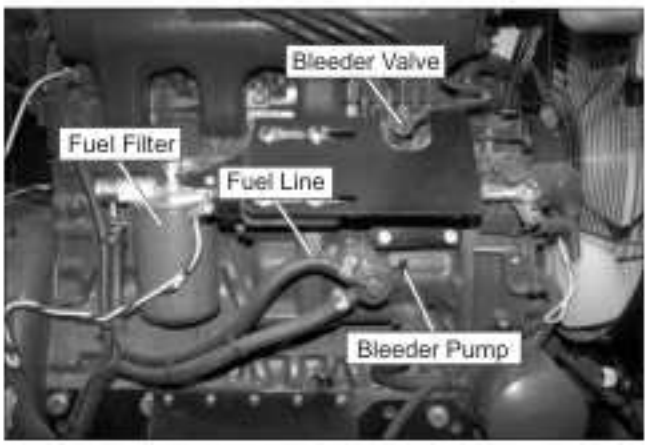


Figure 1 – Kubota V2403-T

Fill the Fuel Filter

Remove the fuel filter. Fill the filter with fuel of the correct grade and replace it. Crank the engine for a few seconds to start the engine.

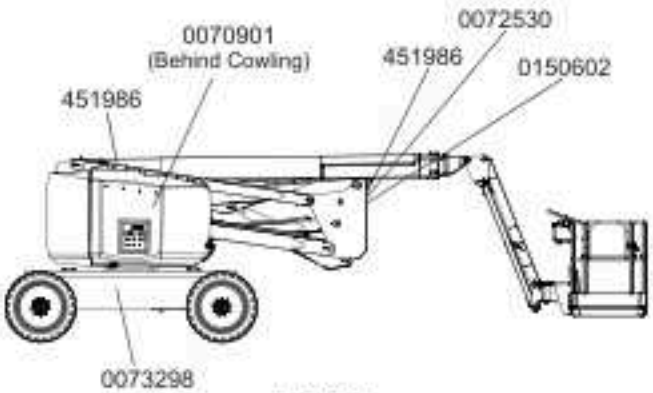
Operate Bleeder Pump

Slightly open the bleeder valve and operate the bleeder pump up and down until the air is out of the line. This make take several minutes of operating the pump before the air is removed from the line. Close the valve and start the engine.

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Left Side



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