snorkel

T125J
TB125J



OPERATOR'S MANUAL

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Table of Contents

Chapter 1 – Introduction
Aerial Platform Features....1
Options....1
Operator's Manual....1
Safety Alerts....1
Operation....2
Maintenance....2
Manual of Responsibilities....2
Additional Information....2

Chapter 2 – Specifications
Component Identification....3
Working Envelope....4
General Specifications....5
- Aerial Platform....5
- Platform....5
- Function Speed....5
- Drive System....5
- Tires....5
- Electrical System....5
- Hydraulic System....5
- Engine....5
- Ambient Air Temperature Operating Range....5
- Maximum Wind Speed....5

Engine Specifications....6
Engine Oil Viscosity....7
- Cummins B3.3....7
- General Motors 2.4L....7

Chapter 3 – Safety
Electrocution Hazards....9
Minimum Safe Approach Distance....9
Prestart Inspection....10
Work Place Inspection and Practices....10
Operation....10
Tip-Over and Falling Hazards....10
Electrical System....11
Hydraulic System....11
Engine and Fuel Handling Precautions....11
Placards and Decals....12

Chapter 4 – Safety Devices
Emergency Stop Controls....13
Emergency Power System....13
Emergency Bleed Down System....13
Emergency Lowering Knob....14
Axle/Boom Interlock....14
Ground Operation Switch....14
Platform Foot Switch....14
Guardrails....14
Lanyard Anchors....14
Envelope Management System....15
- Height Restriction....15

Ground Fault Circuit Interrupter....15
Tilt Alarm....15
Engine Protection Systems....16
- High Engine Temperature Alarm....16
- Low Oil Pressure Alarm....16

Horn....16
Drive Motion Alarm....16
Flashing Light....16
Driving Lights....16
Platform Work Lights....16

Chapter 5 – Gauges and Displays
Hour Meter....17
Engine Temperature Gauge....17
Ammeter....17
Engine Air Filter Gauge....17
Fuel....17
Engine Oil....18
Hydraulic Fluid Filter Gauge....18
Fluid Level and Temperature Gauge....18

Chapter 6 – Controls
Battery Disconnect Switch....19
Axle Controls....19
High Range Speed Selector – 4x4....19
Lower Controls....19
- Start Switch....20
- Emergency Stop Button....20
- Control Selector Switch....20
- Ground Operation Switch....20
- Boom/Axle Switch....20
- Rotation Switch....20
- Boom Elevation Switch....20
- Boom Extension Switch....20
- Boom Speed Knob....20
- Jib Articulation Switch....20
- Platform Level Switch....20
- Platform Rotate Switch....20
- Engine/Emergency Power Switch....21
- Engine Speed Switch....21
- Fuel Switch....21
- Hydraulic System Warm-Up Switch....21

Circuit Breaker Reset Buttons....21
Upper Controls....21
- Start Switch....22
- Emergency Stop Button....22
- Boom Joystick....22
- Drive Joystick....22
- Drive Range Switch....22
- Jib Articulation Joystick....22
- Platform Level Switch....22
- Platform Rotate Switch....23
- Boom Extend/Retract Joystick....23
- Engine/Emergency Power Switch....23
- Throttle Switch....23
- Horn Button....23

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Platform Foot Switch 23
Machine/Generator Switch 23
Driving and Platform Work Lights 23

Chapter 7 – Prestart Inspection

Operator's Manual 25
Engine 25
Oil Level 25
Coolant 25
Radiator 25
Fuel Tank 25
Fuel Line 26
Air Filter 26
Charging System 26
Electrical System 26
Battery Fluid Level 27
Battery Terminals 27
Cables and Wiring Harness 27
Hydraulic System 27
Fluid Level 27
Fluid Filter 28
Hoses, Tubes, and Fittings 28
Tires and Wheels 28
Axle/Boom Interlock 29
Lower Control Station 29
Operating Controls 30
Emergency Stop 30
Emergency Power 30
Envelope Management System 30
Emergency Lowering 31
Level Sensor 31
Flashing Light 32
Sandblast Protection Kit 32
Structures 32
Weldments 32
Slide Pads 32
Wire Ropes 32
Fasteners 34
Upper Control Station 34
Guardrail System 34
Lanyard Anchors 34
Operating Controls 34
Emergency Stop 35
Emergency Power 35
Horn 35
Electrical Power Outlet 35
Drive Motion Alarm 36
Driving and Work Lights 36
Platform Control Cover 36
Tow Kit 36
Placards and Decals 36
Prestart Inspection Checklist 41

Chapter 8 – Operation

Cold Weather Start-Up 43
Engine Cold Weather Start Kit 43
Cummins – Block Heater 43
GM – Radiator Hose In-Line 43
Hydraulic System Cold Weather Warm-Up 43
Hydraulic System Warm-Up Switch 43
Manually Warming The Hydraulic System 44
Preparing for Operation 44
Lower Controls 44
Axle Controls 45
Extending The Rear Axles 45
Retracting The Rear Axles 46
Upper Controls 46
Boom Operation 46
Driving and Steering 47
Drive Speeds 47
Motion Warning Alarm 48
Four Wheel Drive 48
High Range Speed Selector 48
AC Generator 48
Dual Fuel 48
Air Line 49
Driving Lights 49
Platform Work Lights 49

Chapter 9 – Stowing and Transporting

Stowing 51
Tucked Stow 51
Transporting 51
Driving 52
Winching 52
Hoisting 53
Securing for Transport 53

Chapter 10 – Emergency Operation

Emergency Power System 55
Lower Controls 55
Upper Controls 55
Electric Emergency Bleed Down System 56
Manual Emergency Bleed Down System 57
Towing 57

Chapter 11 – Troubleshooting

Troubleshooting Chart 59

Appendix A – Glossary

Limited Warranty

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Engine Specifications

Engine	Displacement	Fuel Grade	Coolant	Operating Temperature	Oil Capacity	Oil Grade
Cummins B3.3	199 cu. in. (3.26 liter)	**Diesel** ASTM No. 20 fuel with a minimum Cetane number of 40.[1] For operating temperatures below 32°F (0°C) use winterized No. 2D.	50% Water 50% Antifreeze[2]	140°F to 212°F 60°C to 100°C	2 gal (7.5 liter) total 1.6 qt (1.5 liter) Low to High	SAE 15W-40[3] API: CH4/SG
GM 2.4L	150 cu. in. (2.4 liter)	**Gasoline** Unleaded 87 octane **LPG** HD-5	50% Water 50% Antifreeze	176°F to 183°F 80°C to 84°C	With filter: 1.12 US gal (4.5 liter) Without filter: 1.18 US gal (4.25 liter)	ILSAC GF-4[4]

Note 1: Refer to the engine manufacturers manual for specific fuel recommendations and specifications.

Note 2: Ethylene glycol or Propylene glycol may be used. Refer to the Cummins® Operation and Maintenance Manual B3.3 Series Engines for specific coolant recommendations and specifications.

Note 3: Refer to the engine manufacturers manual for specific lubricating oil recommendations and specifications.

Note 4: API Starburst symbol on GF-4 oils reads "API Service SM."

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The aerial platform is equipped with several gauges to monitor the condition of the machine before and during operation.

Hour Meter

The hour meter is located on the right side of the lower controls (refer to Figure 5.1). It measures the accumulated engine operating time.

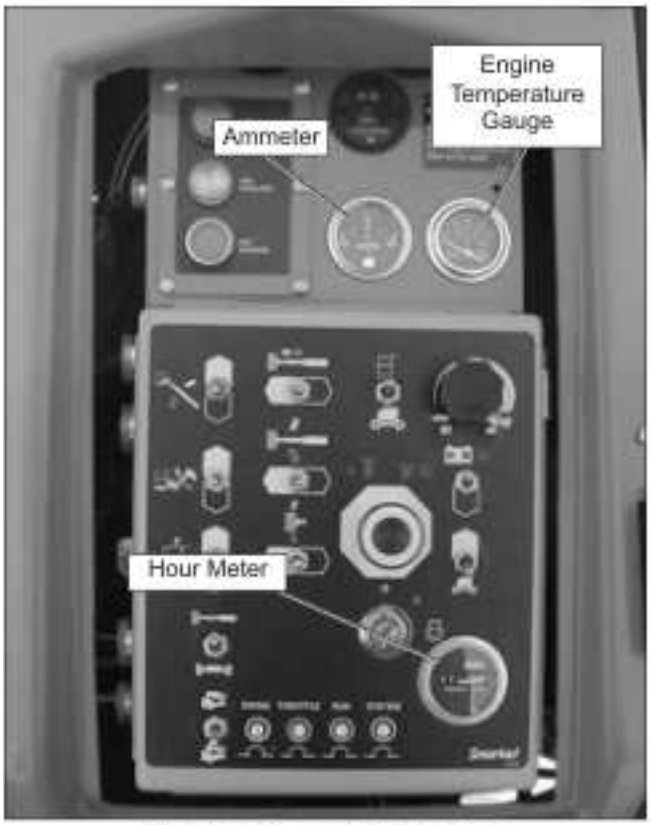


Figure 5.1 – Lower Controls

Engine Temperature Gauge

The temperature gauge is located on the lower control panel (refer to Figure 5.1). The gauge displays the temperature of the water and antifreeze mixture in the engine block.

Ammeter

The ammeter is located on the lower control panel (refer to Figure 5.1). The ammeter displays the level of current flow from the alternator to the batteries.

After the engine has been running for a few minutes under normal operating conditions, the ammeter gauge indicator should read approximately "0."

Engine Air Filter Gauge

The air filter gauge (refer to Figure 5.2) is located above the lower control panel. The gauge measures the air pressure between the intake manifold and the air filter.



Figure 5.2 – Air Filter Gauge

The yellow indicator disk inside the sight glass stays at its highest level when the engine is turned off.

When the yellow indicator disk reaches the red area, it's time to change the filter element. After changing the filter, press the reset button to reset the indicator disk to the bottom of the sight glass.

Fuel

The fuel tank is translucent. The amount of fuel in the tank can be gauged by raising the door on the right rear of the machine (refer to Figure 5.3) and looking at the tank. On older machines the fuel tank is behind the cowling door on the right side of the machine. These tanks have a gauge on top of them that measures the amount of fuel in the tank.

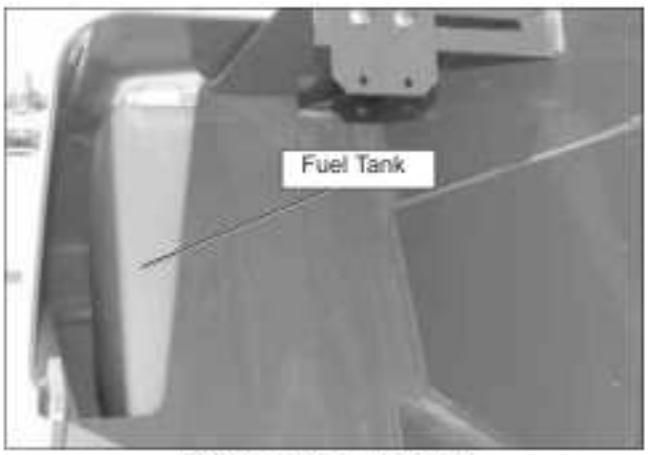


Figure 5.3 – Fuel Tank

Note
Do not run a diesel fuel tank empty. Air in the fuel line makes the engine hard to start.

LPG tanks have a fuel gauge that has two scales. One scale measures the fuel level when the tank is mounted vertical and the other is used when the tank is mounted horizontal (refer to Figure 5.4).

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If the main hydraulic system fails, the aerial platform may be lowered and stowed using the emergency power system. The main boom may be lowered using the emergency bleed down system. The machine may be towed if the drive system fails. Refer to Emergency Power System, Emergency Lowering or Towing for the appropriate procedure.

Emergency Power System

The emergency power system can be used to operate the machine from the lower or upper controls.

⚠Caution

The emergency power system is for emergency lowering and stowing only. The length of time the pump can be operated depends on the capacity of the battery. Do not use this system for normal operation.

Only use the emergency power system if the main power system fails.

Lower Controls

Use the following procedure to operate the machine using the emergency power system from the lower controls.

1. Place the battery disconnect switch in the on position (refer to Figure 10.1).



Figure 10.1 – Battery Disconnect Switch

2. Place the control selector switch (refer to Figure 10.2) in the lower controls position.
3. Pull the emergency stop button outward.
4. Hold the ground operation switch in the on position while holding the engine/emergency power switch in the emergency power position.
5. Hold the appropriate function toggle switch in the desired direction.

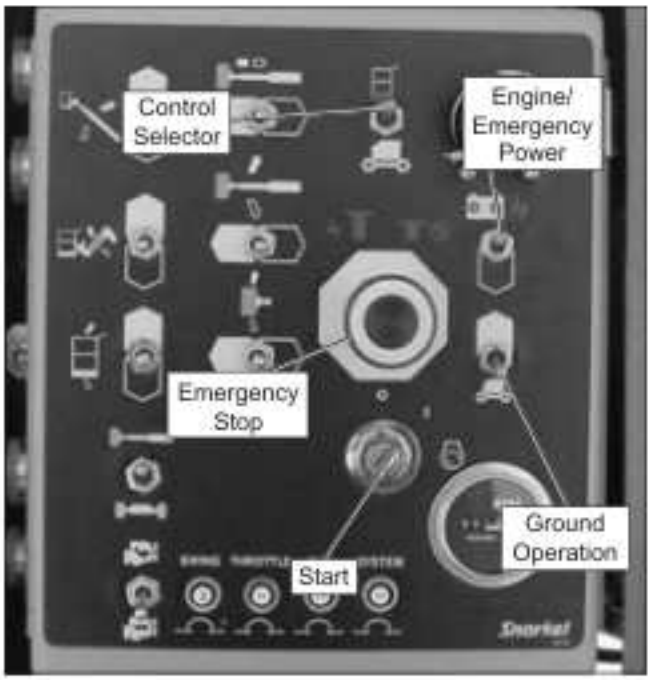


Figure 10.2 – Lower Controls

Upper Controls

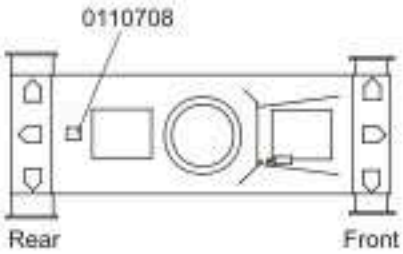
For the upper controls to be operational:

- the battery disconnect switch must be in the on position.
- the start switch at the lower controls must be turned on.
- the emergency stop button at the lower controls must be in the on position.
- the control selector switch at the lower controls must be in the platform position.

Use the following procedure to operate the machine using the emergency power system from the upper controls.

1. Pull the emergency stop button outward (refer to Figure 10.3).
2. Turn the start switch on.
3. Step down on the platform foot switch (refer to Figure 10.4).

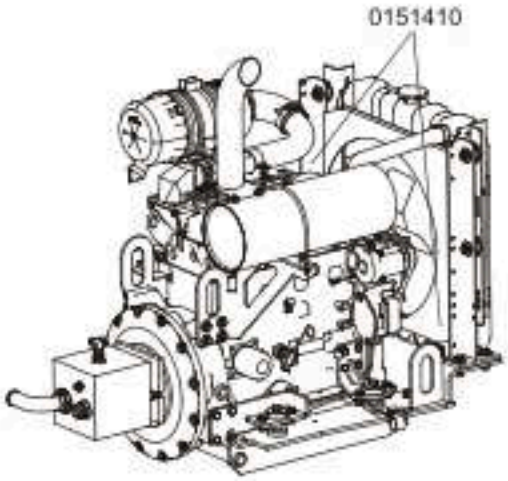
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Top View of Chassis



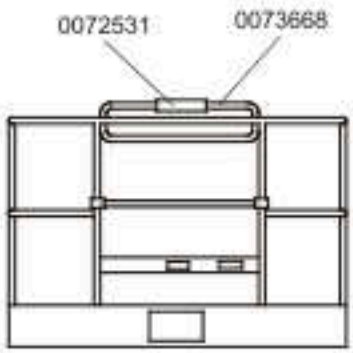
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Radiator



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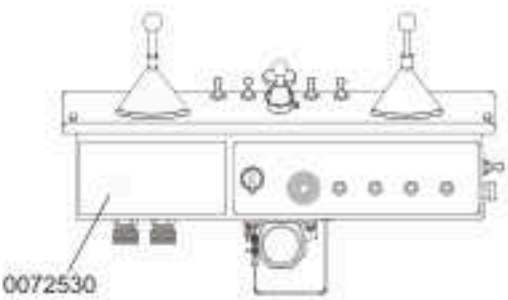
Platform



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Upper Controls



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