snorkel

S3970BE
S3370BE
S2770BE
S3970RT
S3370RT
S2770RT



Diesel
Gasoline
LPG
Bi-Energy 24V DC

OPERATION MANUAL

Serial Numbers:
S2770RT-07-000064,
S3370RT-07-000061,
S3970RT-07-000029 and after

Part Number 13865-1
December 2017 (Rev B)
Version 6

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■ General Specifications S2770RT

SPECIFICATIONS	S2270RT		S2270BE	
Nominal working height	10.28m	33' 9"	10.28m	33' 9"
Roll out deck size	1.2m	48""	1.2m	48""
Drive speed (below 2.4m)	0 to 4.5km/h	0 to 2.8mph	0 to 4.5km/h	0 to 2.8mph
Drive speed (above 2.4m)	0 to 0.9kp/h	0 to 0.6mph	0 to 0.9kp/h	0 to 0.6mph
Safe working load - Main deck (Roll out deck not extended)	580kg	1275lb	580kg	1275lb
Safe working load - Main deck Safe working load - Roll out deck extended	460kg 120kg	1015lb 260lb	460kg 120kg	1015lb 260lb
Platform size	2.73 x 1.65m	8' 11" x 5' 5"	2.73 x 1.65m	8' 11" x 5' 5"
Stowed height	2.61m	8' 7"	2.61m	8' 7"
Stowed height (hand rails folded down)	1.78m	5' 10"	1.78m	5' 10"
Overall length	3.36m	11' 0"	3.36m	11' 0"
Overall width	1.80m	5' 11"	1.80m	5' 11"
Gradeability	35%		35%	
Lift time	26 seconds		26 seconds	
Turning radius (inner)	2.7m	8' 10"	2.7m	8' 10"
Turning radius (outer)	5.0m	16' 3"	5.0m	16' 3"
Maximum wind speed (12.5m/s)	45km/h	28mph	45km/h	28mph
Insulation rating	Nil		Nil	
Tyres - Poly filled loader lug	27" x 10.5" x 15"		27" x 10.5" x 15"	
Overall weight	2886kg	6363lb	3236kg	7134lb
Ground clearance	350mm	13.8"	350mm	13.8"
Maximum sound level at platform	86db		86db	
Stabiliser maximum load	1773kg	3911lb	1948kg	4292lb
Maximum chassis inclination	$3.5^{O}/4^{O}$		$3.5^{O}/4^{O}$	
Allowable manual force	400N		400N	
Tyre contact pressure (average)	741kPa	107psi	813kPa	118psi
Tyre contact pressure (worst)	1449kPa	210psi	1592kPa	231psi

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At the start of each work day (or 8 hour shift), the machine qualified operator must perform the Daily Inspection Maintenance (or Pre-Operation Inspection as it is sometimes referred to), as listed in the table below.

The purpose of the Daily Inspection and Maintenance is to keep the S3970RT / S3370RT / S2770RT in proper working condition and to detect signs of malfunction at the earliest possible time.

This chapter shows how to perform the inspection and maintenance required for each item in the daily inspection and maintenance table. The machine should be in the stowed position and the Master Key Switch set to OFF before you begin this inspection.

Defective parts and/or equipment malfunctions jeopardize the safety of the operator and other personnel and can cause damage to the machine.

DANGER

The potential for an accident increases when operating a machine that is damaged or malfunctioning. Death or serious injury can result from such accidents. Do not operate a machine that is damaged or malfunctioning.

■ Daily Inspection and Maintenance Table

Item	Service Required
Rough terrain scissor interlock tests	Perform the tests to ensure the system is functioning
Fuel level	Visually inspect
Fuel filter (diesel engines only)	Visually inspect (condition)
Fuel leaks	Visually inspect (hoses and connections etc)
Engine oil	Check oil level (between dipstick lines)
Engine coolant	Check fluid level and radiator hoses
Radiator cap	Visually inspect installation)
Swinging gate	Visually inspect (installation, operation)
Wiring harnesses and connectors	Visually inspect (installation, operation)
Battery terminals	Visually inspect (no corrosion)
Battery fluid level	Visually inspect (covers plates)
Hydraulic tank cap	Visually inspect installation)
Hydraulic oil level	Check fluid level (at line on side of tank)
Hydraulic oil leaks	Visually inspect (hoses,tubes)
Tires and wheels	Visually inspect (condition)
Bolts,fasteners and pin keepers	Visually inspect (looseness)
Structural damage, corrosion and welds	Visually inspect (welds, cracks, dents, corrosion)
Guardrails	Visually inspect (condition)
Lanyard anchorages (option)	Visually inspect (condition)
Bubble level at base	Visually inspect (condition)
Guides, rollers and slides	Visually inspect (condition)
Non slip tread grip	Visually inspect (condition)
Wrist support	Visually inspect (condition)
Operator manual	Visually inspect (that the manual is in the holder)
Placards, decals, and Operators Manual	Visually inspect (installation and condition)
Air filter	Check condition
START THE ENGINE FROM THE GROUND CONTROL BOX	
Ground controls	Actuate and visually inspect for operation
Emergency lowering	Check operation (causes correct motion)
Platform controls	Actuate and visually inspect for operation
Flashing light	Visually check (operation)
RCD / ELCB (option)	Check operation
Safety prop	Check operation
Parking brakes	Check operation

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■ Operating Procedures

This chapter explains how to start and run the machine. Read and understand all the previous chapters before you begin to operate the machine.

■ Control Stations

The machine can be started and operated from the ground control box or the platform control box..

⚠ IMPORTANT

The ground control box can override the platform control box at any time. If a person operating the machine at any time becomes incapacitated, a person on the ground can always take over the machine control.

⚠ DANGER

The S3970RT / S3370RT / S2770RT is not electrically insulated

Death or serious injury to operating personnel can occur if the machine should come into contact with energised electrical wires during operation.

DO NOT attempt to operate the S3970RT / S3370RT / S2770RT ground controls if the platform, scissor assembly or any other conducting part of the machine is in contact with energised electrical wires or if there is an immediate danger of such contact.

Note
See the Electrical Hazard section, in this manual for a complete explanation of the hazards concerning electricity.

■ Emergency Stopping

⚠ WARNING

When the platform / ground key selector switch is set to GROUND the entire platform control box is inoperative including the Emergency Stop.

To stop the machine from the ground control box, push the Emergency Stop switch, at any time and the entire machine stops and nothing moves.

Push the emergency stop button inward when the upper and lower controls are not in use to protect against un-intentional operation.



Figure 8.1 - Emergency Stop Switch at Ground Control Box

Ground control box Emergency Stop switch location.



Figure 8.2 - Emergency Stop switch at Platform Control Box

Platform control box Emergency Stop switch location.

To stop the machine from the platform control box, push the Emergency Stop switch, at any time and the entire machine stops and nothing moves.

Note
In order for the Emergency Stop switch to have an effect at the platform, the platform / ground key selector switch must be set on platform.

Note
For a complete discussion of the Emergency Stop switches, see Controls chapter, and Emergency Operation chapter 1, in this manual.

■ Operation Considerations

To use this chapter, first decide whether you will be starting and operating the S3970RT / S3370RT / S2770RT from the ground control box or the platform control box.

Begin at the section entitled Operating From The Ground Control Box if you intend to run the S3970RT / S3370RT / S2770RT from the ground control box.

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FRONT END OF THE MACHINE

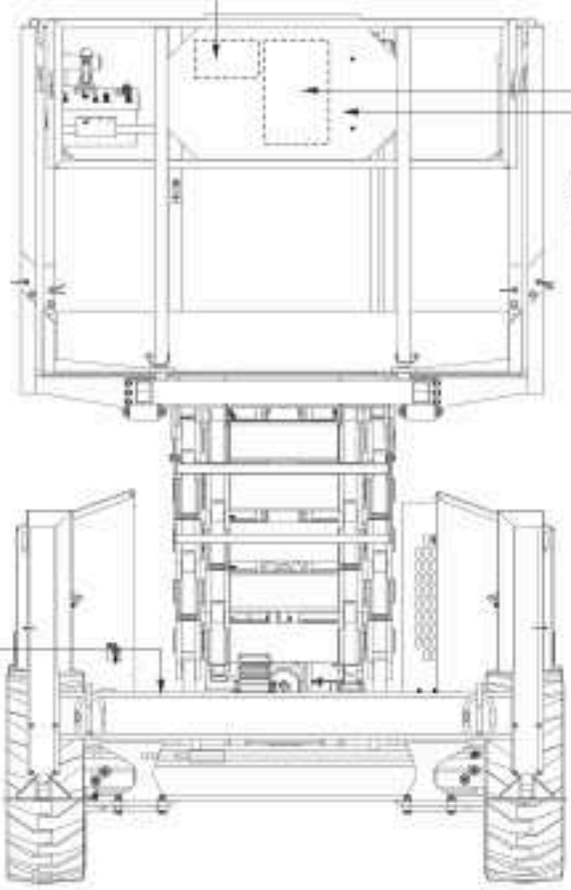


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ALL DECALS ON REVERSE SIDE

On Top Of Chassis Member



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