snorkel

S2255RT
S2755RT
S2770RT
S3370RT
S3970RT



S2255BE
S2755BE
S2770BE
S3370BE
S3970BE

SERVICE & MAINTENANCE MANUAL

Part Number 1443554-000
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GENERAL SPECIFICATIONS

S3770RT/BE

Specifications	S3370RT		S3370BE	
Normal working height	12.12m	39' 2"	12.12m	39' 2"
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 (full height)	0 to 0.36 km/h	0 to 0.22mph	0 to 0.36km/h	0 to 0.22mph
Safe working load - Main deck (Rollout deck not extended)	450kg	1000lb	450kg	1000lb
Safe working load - Main deck	330kg	740lb	330kg	740lb
Safe working load - Roll-out deck extended	120kg	260lb	120kg	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	2.78m	9.12'	2.78m	9.12'
Stowed height (Hand rails folded down)	1.95m	6.40'	1.95m	6.40'
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	50 seconds		50 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	
Tires - Poly filled loader lug	27" x 10.5" 15"		27" x 10.5" x 15"	
Overall weight	3620kg	7981lb	3970kg	8752lb
Ground clearance	350mm	13.8"	350mm	13.8"
Maximum sound level at platform	86db		86db	
Stabilizer maximum load	2075kg	4580lb	2250kg	4962lb
Maximum chassis inclination	4 ° sideways up to 8.1m +0.6m/-0.3m 2.5 ° sideways above 8.1m 4 ° fore & aft		4 ° sideways up to 8.1m +0.6m/-0.3m 2.5 ° sideways above 8.1m 4 ° fore & aft	
Allowable manual force	400 N = 90 lbs		400 N = 90 lbs	
Tire contact pressure (average)	865kPa	125psi	936kPa	136psi
Tire contact pressure (worst)	1696kPa	246psi	1839kPa	267psi

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HARNESSES

Platform Extension Harness

Upper Control Harness **Upper Controls**



Item 1	
Cav	CCT
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	X
11	X
12	X



Item 2	
Cav	CCT
A	1
B	2
C	3
D	4
E	5
F	6
G	7
H	8
J	9
K	X
L	X
M	X
N	X
P	X

Circuit	Description	Color
Left side		
1	Can H	Brown
2	Can L	White
3	Shielded	Shielded
4	Emergency Stop Power	Green
5	Ground	Yellow
6	Horn	Grey
7	Emergency Stop Signal	Pink
8	24 Volts to Upper Controls	Red
9	24 Volts from Upper Controls	Blue
10	Not Used	
11	Not Used	
12	Not Used	

Circuit	Description	Color
Right Side		
A	Can H	Brown
B	Can L	White
C	Shielded	Shielded
D	Emergency Stop Power	Green
E	Ground	Yellow
F	Horn	Grey
G	Emergency Stop Signal	Pink
H	24 Volts to Upper Controls	Red
J	24 Volts from Upper Controls	Blue
K	Not Used	
L	Not Used	
M	Not Used	
N	Not Used	
P	Not Used	

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GENERAL MAINTENANCE

- When raising a portion of the machine, be sure that adequate blocking is properly positioned. Do not depend solely on the lifting device to hold and secure weight.

- If a part resists removal, check to see if all fasteners, electrical wiring, hydraulic lines, etc., have been removed or that other parts are not interfering.

Parts should be thoroughly inspected before restoring to service at the time of reassembly. Burrs, nicks or scratches may be removed from machines surfaces by honing or polishing with a #600 crocus cloth, followed by a thorough cleaning with an approved cleaning solvent, and blown dry with compressed air. Do not alter the contour of any part. If this operation does not restore the part to a serviceable condition, replace the part.

Replace all o-rings, seals and gaskets at reassembly. Use new roll pins or cotter pins. Dip all packing rings and seals in hydraulic oil before reassembling in cylinder and manifolds. Replace any part having imperfect threads. In general, machines that have been disassembled can be reassembled by reversing the order of disassembly.

The service life of a machine can be increased by keeping dirt and foreign materials out of the vital components. Shields, covers, seals and filters help to keep air and oil supplies clean. However, these items must be maintained on a scheduled basis in order to function properly.

Clean surrounding areas, as well as the opening and fittings before disconnecting air or oil lines. As soon as a line or component is disconnected, cap or cover all openings to prevent the entry of dirt or foreign materials.

New parts should remain in their container until they are ready to be used.

Clearly mark or tag hydraulic lines and electrical wiring connections when disconnecting or removing them from the machine. This will assure that they are correctly reinstalled.

Proper assembly is critical to the successful rebuilding of any machine. Carefully, inspect any parts which are to be reused. If in doubt, replace.

"Safety First" is a good slogan.

Replace any guards and protective devices that have been removed to carry out maintenance and repair work.

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