snorkel

S2770RT
S2770BE
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OPERATOR'S MANUAL

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3. Specifications

■ General Specifications, Standard Machine SR2770

SPECIFICATIONS	SR2770	
Nominal working height	10.28m	33' 9"
Roll out deck size	1200mm	48"
Drive speed (below 2.4m)	0 to 4.5kph	0 to 2.8mph
Drive speed (above 2.4m)	0 to 0.9kph	0 to 0.6mph
Safe working load - Main deck (Roll out deck not extended)	580kg	1280lbs
Safe working load - Main deck Roll out deck extended - Roll out deck	460kg 120kg	1015lbs 265lbs
Platform size	2.73 x 1.65m	8' 11" x 5' 5"
Stowed height	2.5m	8' 2"
Stowed height (hand rails folded down)	1.7m	5' 8"
Overall length	3.36m	11' 0"
Overall width	1.7m	5' 8"
Gradeability	35%	
Lift time	26 seconds	
Turning radius (inner)	2.83m	9' 3"
Turning radius (outer)	4.6m	15' 1"
Maximum wind speed (12.5m/s)	45km/h	28mph
Insulation rating	Nil	
Tyres - Poly filled loader lug	27" x 10.5" x 15"	
Overall weight	2800kg	6272lbs
Ground clearance	350mm	13.8"
Maximum sound level at platform	86db	

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At the start of each work day (or 8 hour shift), an SR qualified operator must perform the Daily Inspection and 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 SR in proper working condition and to detect signs of malfunction at the earliest possible time.

Set the Key Switch 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

DO NOT operate an SR that is known to be damaged or malfunctioning.

Repair all equipment damage or malfunctions, before placing the SR into service

■ Daily Inspection and Maintenance Table

Item	Service Required
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 and fasteners	Visually inspect (looseness)
Structural damage and welds	Visually inspect (welds, cracks, dents)
Guardrails	Visually inspect (condition)
Lanyard anchorages (option)	Visually inspect (condition)
Bubble level on platform	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)
START THE ENGINE FROM THE GROUND CONTROL BOX	
Charging system	Check condition (gauge)
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
Air filter	Check condition
Safety prop	Check operation
Parking brakes	Check operation

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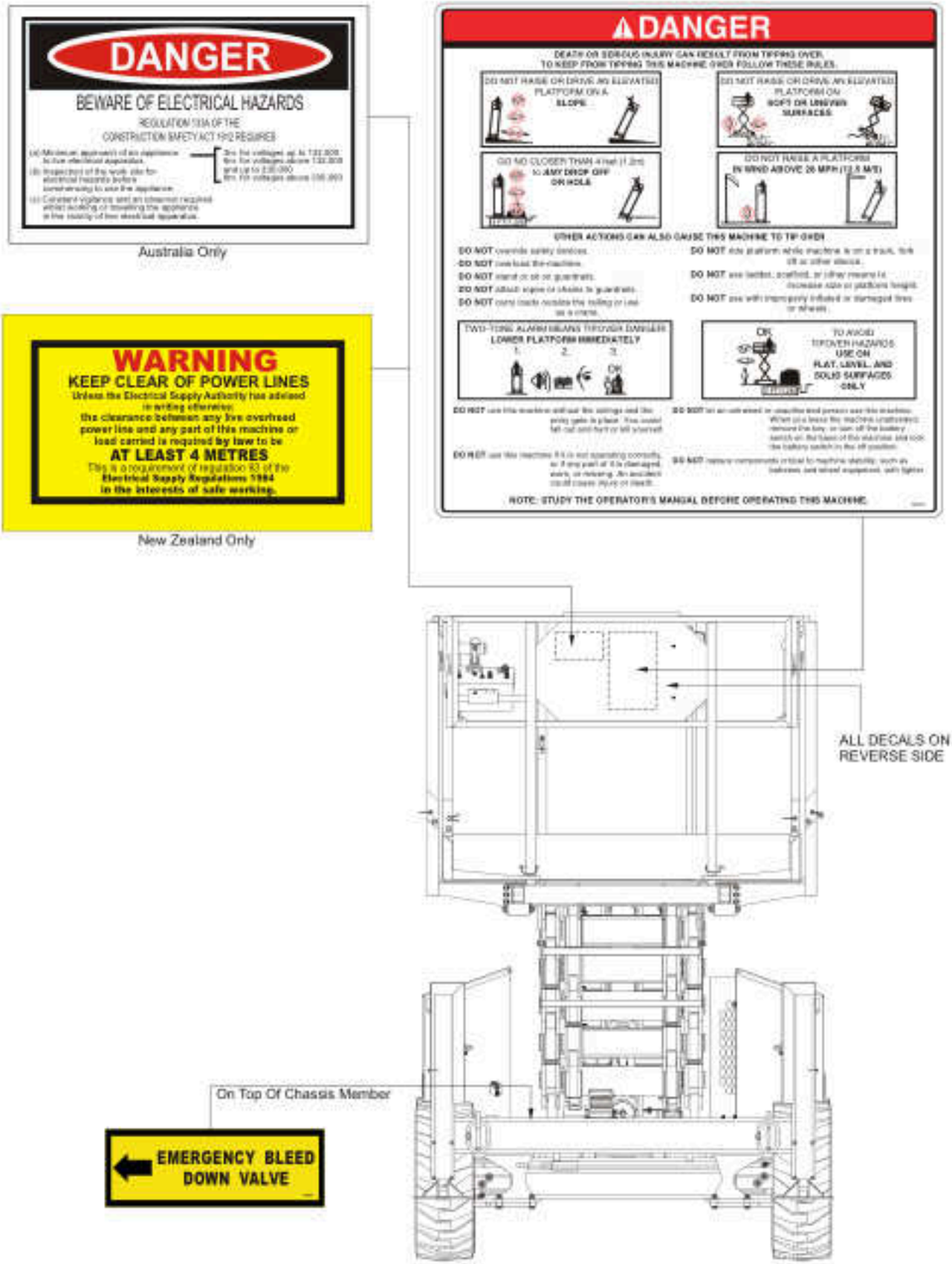
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FRONT END OF SR



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- **aerial platform**

  a mobile device that has an adjustable position platform, supported from ground level by a structure.

- **ambient temperature**

  the air temperature of the immediate environment.

- **ammeter**

  an instrument for measuring the strength of an electric current in amperes.

- **authorized personnel**

  personnel approved as assigned to perform specific duties at a specific location.

- **base**

  the relevant contact points of the aerial platform that form the stability support (e.g. wheels, casters, outriggers, stabilisers).

- **boom**

  a movable cantilever beam which supports the platform.

- **center of gravity**

  the point in the aerial platform around which its weight is evenly balanced.

- **chassis**

  the integral part of the aerial platform that provides mobility and support for the booms.

- **fall restraint**

  a system that is used while working on a boom lift within the boundaries of platform guardrails to provide restraint from being projected upward from the platform. This system includes a harness or belt, lanyard, and a lanyard anchor. Federal OSHA, ANSI, and Snorkel require the use of additional fall protection beyond the platform guardrails on boom supported aerial platforms.

- **fall or ground pressure**

  the maximum pressure, expressed in pounds per square inch, a single wheel concentrates on the floor or ground.

- **gradeability**

  he maximum slope that the aerial platform is capable of travel.

- **ground fault circuit interrupter or residual current detector**

  a fast-acting circuit breaker that opens to stop electrical circuit flow if it senses a very small current leakage to ground. Also called GFCI or RCD. The GFCI/RCD is used to protect personnel against a potential shock hazard from defective electrical tools or wiring.

- **guardrail system**

  a vertical barrier around the platform to prevent personnel from falling.

- **hazardous location**

  any location that contains, or has the potential to contain, an explosive or flammable atmosphere as defined by ANSI/NFPA 505.

- **jib boom**

  a boom assembly located between the main boom and the platform.

- **level sensor**

  a device that detects a preset degree of variation from perfect level. The level sensor is used to sound an alarm if operating on a slope greater than the preset value. It may also (depending on the machine) prevent the it from operating further until it is brought back within the preset parameters.

- **lower controls**

  the controls located at ground level for operating some or all of the functions of the aerial platform.

- **main boom**

  a boom assembly located between the turntable and the platform or jib boom. The main boom includes the base, intermediate, and tip boom.

- **maximum travel height**

  the maximum platform height or the most adverse configuration(s) with respect to stability in which travel is permitted by the manufacturer.

- **Minimum Safe Approach Distance**

  the minimum safe distance that electrical conductors may be approached when using the aerial platform. Also called MST

- **operation**

  the performance of any aerial platform functions within the scope of its specifications and in accordance with the manufacturers instructions, the users work rules, and all applicable governmental regulations.

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