snorkel

S9033RT
S9043RT
S9053RT



SERVICE & MAINTENANCE MANUAL

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HARNESSES

Stabilizer Harness
PG Operating System
Pinouts

			CONNECTOR 1		CONNECTOR 2	
WIRE #	DESCRIPTION	COLOR	DESCRIPTION	LOC	DESCRIPTION	LOC
SIGNALS						
W01	Left Front Stabilizer Top Switch	White	Stabilizer Harness	1	Splice	1
W01-A	Left Front Stabilizer Top Switch	Black	Left Front Stabilizer Top Switch	4	Splice	4
W02	Left Front Stabilizer Bottom Switch	White	Stabilizer Harness	2	Splice	2
W02-A	Left Front Stabilizer Bottom Switch	Black	Left Front Stabilizer Bottom Switch	4	Splice	2
W03	Right Front Stabilizer Top Switch	White	Stabilizer Harness	3	Splice	3
WO3-A	Right Front Stabilizer Top Switch	Black	Right Front Stabilizer Top Switch	4	Splice	3
W04	Right Front Stabilizer Bottom Switch	White	Stabilizer Harness	4	Splice	4
W04-A	Right Front Stabilizer Bottom Switch	Black	Right Front Stabilizer Bottom Switch	4	Splice	4
W05	Left Rear Stabilizer Top Switch	White	Stabilizer Harness	5	Splice	5
WO5-A	Left Rear Stabilizer Top Switch	Black	Left Rear Stabilizer Top Switch	4	Splice	5
W06	Left Rear Stabilizer Bottom Switch	White	Stabilizer Harness	6	Splice	6
W06-A	Left Rear Stabilizer Bottom Switch	Black	Left Rear Stabilizer Bottom Switch	4	Splice	4
W07	Right Rear Stabilizer Top Switch	White	Stabilizer Harness	7	Splice	7
WO7-A	Right Rear Stabilizer Top Switch	Black	Right Rear Stabilizer Top Switch	4	Splice	7
W08	Right Rear Stabilizer Bottom Switch	White	Stabilizer Harness	8	Splice	8
W08-A	Right Rear Stabilizer Bottom Switch	Black	Right Rear Stabilizer Bottom Switch	4	Splice	8
W09	Left Front Stabilizer Extend	White	Stabilizer Manifold Harness	1	SV-1A	1
W10	Left Front Stabilizer Retract	White	Stabilizer Manifold Harness	2	SV-1B	1

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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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APPENDIX A - GLOSSARY

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.

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, stabilizers).

battery tray – a swing-out compartment that holds all, or some, of the machine batteries.

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 scissors structure.

diesel particulate filter (DPF) – a device which removes soot from the exhaust of a diesel engine.

diesel particulate filter regeneration – the process of burning off accumulated soot from the DPF.

fall protection – a system to protect against falls that may include either a fall restraint or personal fall arrest system as required by national or local regulations and standards.

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. Although federal regulations, OSHA, ANSI, and Snorkel do not require the use of additional fall protection beyond the platform guardrails on scissor lift aerial platforms, local, state, or employer rules may require their use.

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

gradeability – the maximum slope that the aerial platform is capable of travel.

ground fault circuit interrupter (GFCI) – a fast-acting circuit breaker that opens to stop electrical circuit flow if it senses a very small current leakage to ground. The GFCI 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.

hydraulic tray – a swing-out compartment that holds the hydraulic pump, fluid reservoir and the fluid filter.

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.

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

manufacturer – a person or entity who makes, builds or produces an aerial platform.

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.

maximum wheel load – the load or weight that can be transmitted through a single wheel to the floor or ground.

MEWP – Mobile Elevating Work Platform.

Minimum Safe Approach Distance (M.S.A.D.) – the minimum safe distance that electrical conductors may be approached when using the aerial platform.

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

operator – a qualified person who controls the movement of an aerial platform.

personal fall arrest system – a fall protection system that is used while working on an unprotected edge (such as a roof top with no guardrail). This system includes a harness, lanyard or other connecting device, a fall arrestor, an energy absorber or decelerator, an anchorage connector, and a secure anchorage such as a building beam, girders or columns. An aerial platform is not a fall arrest anchorage.

platform – the portion of an aerial platform intended to be occupied by personnel with their tools and materials.

platform height – the vertical distance measured from the floor of the platform to the surface upon which the chassis is being supported.

prestart inspection – a required safety inspection routine that is performed daily before operating the aerial platform.

qualified person – a person, who by reason of knowledge, experience, or training is familiar with the operation to be performed and the hazards involved.

rated work load – the designed carrying capacity of the aerial platform as specified by the manufacturer.

safety prop – a bar that when properly positioned mechanically prevents the platform from lowering.

stow – to place a component, such as the platform, in its rest position.

turning radius – the radius of the circle created by the wheel during a 360° turn with the steering wheels turned to maximum. Inside turning radius is the wheel closest to the center and outside turning radius is the wheel farthest from the center.

unrestricted rated work load – the maximum designed carrying capacity of the aerial platform allowed by the manufacturer in all operating configurations.

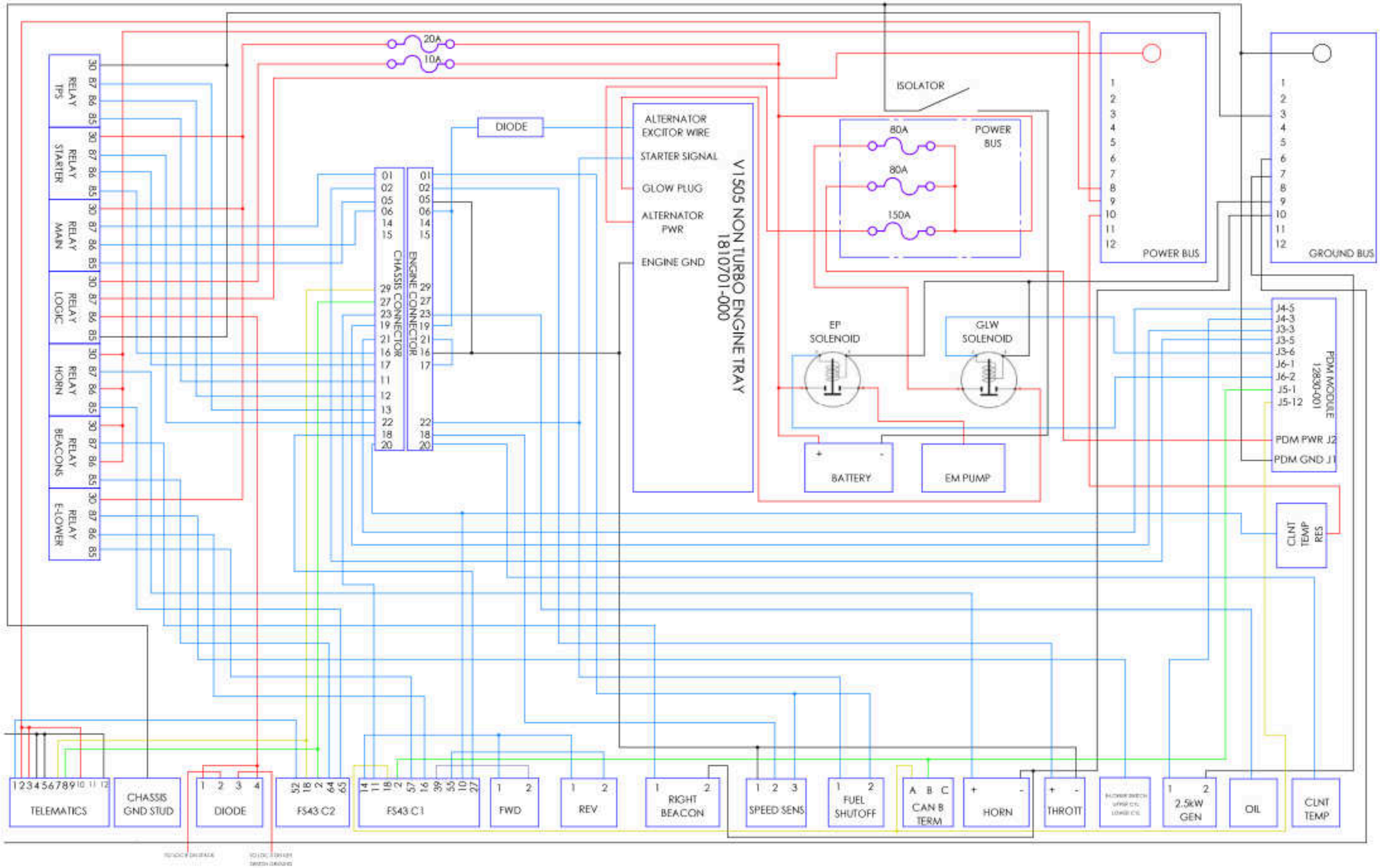
upper controls – the controls located on or beside the platform used for operating some or all of the functions of the aerial platform.

wheelbase – the distance from the center of the rear wheel to the center of the front wheel.

working envelope – the area defined by the horizontal and vertical limits of travel that the platform may be positioned in.

working height – platform height plus six feet (1.8 meters).

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RT CHASSIS SCHEMATIC WITH
V1505 NON TURBO ENGINE (PARKER CONTROLS)

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