Repair Parts Manual

Snorkel

UNO 33D/G 4x4

engine powered
diesel
gasoline
LPG

P/N 0153073
October, 1998 - revised October 2000

OmniQuip Snorkel INTERNATIONAL

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About this manual:

This repair parts manual covers current production machines only.

While Snorkel has attempted in every way to confirm that all information in this manual is correct, improvements are being constantly made to the machine that may not be reflected in this manual.

If you find information in this manual that is not correct, or is confusing, you are urged to report your findings to Snorkel for our evaluation.

Your input is important to us and will be used in future printings of this manual.

Every person who repairs this machine must be qualified and authorized to do so.

⚠CAUTION

DO NOT modify this aerial platform without prior written consent of Snorkel Engineering Department. Modification may void the warranty, adversely affect stability, or affect the operational characteristics of the aerial platform.

This machine is covered by a limited warranty that specifically identifies items warrantied by Snorkel and those items covered by original manufacturers warranty.

A copy of the Snorkel Limited Warranty is located on the inside of the back cover of this manual.

All correspondence relative to this machine, such as field reports, discrepancy reports, requests for information, etc., should be directed to:

Snorkel International, Inc.
P.O. Box 1160
St. Joseph, MO 64502-1160 USA
Phone: (816)-364-0317

http://www.snorkelusa.com

Abbreviations

The following abbreviations are used in this manual:

AC	alternating current
ANSI	American National Standards Institute
CCA	cold cranking amps
cm	centimeter
DC	direct current
EMS	envelope management system
GFCI	ground fault circuit interrupt
LP	liquified petroleum
LPG	liquified petroleum gas
mm	millimeters
ft	feet
in	inch
lbs	pounds
no	number
NPT	national pipe thread
psi	pounds per square inch
qty	quantity
UL	Underwriters Laboratories Inc.

Electrical Hazard

⚠DANGER

The aerial platform is not electrically insulated. Death or serious injury can result from contact with, or inadequate clearance from, an energized conductor.

Do not go closer than the minimum safe approach distance as defined by the minimum Safe Approach Distance as defined by ANSI Standards.

Regard all conductors as energized.

Allow for electrical wire sag and aerial platform sway.

If the work platform, or any part of the aerial platform contacts a high-voltage electrical conductor, the entire machine can become electrically charged.

If that happens, remain on the machine and do not contact any other structure or object. This includes the ground, adjacent buildings, poles, and any other objects that are not part of the aerial platform.

Such contact could make your body a conductor to the other object, creating an electrical shock hazard resulting in death or serious injury.

If an aerial platform is in contact with an energized conductor the platform operator must warn ground personnel in the vicinity to stay away. Their bodies can conduct electricity creating an electrical shock hazard resulting in death or serious injury.

Do not approach or leave the aerial platform until the electricity has been turned off.

Do not attempt to operate the lower controls when the work platform or any part of the aerial platform is in contact with a high-voltage electrical conductor or if there is an immediate danger of such contact.

Personnel on or near an aerial platform must be continuously aware of electrical hazards, recognizing that death or serious injury can result from contact with an energized conductor.

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Table of Contents

Service and parts information

To order service or repair parts i
ANSI and OSHA compliance i
Manuals i
Parts order form ii

Section 1. - Repair parts

Chassis/turntable mounting 1-2
Drive 1-3
Steering 1-4
Swing drive mounting 1-7
Fuel tank 1-8
Hydraulic oil reservoir mounting 1-9
Booms mounting 1-10
Upper boom and hose carrier 1-12
Upper boom 1-15
Hose carrier 1-16
Extend cylinder 1-19
Platform, gravity gate 1-20
Platform, swinging gate 1-23
Platform rotation gear box, Hub city 1-24
Chassis cowling 1-26
Counterweight and turntable cowling 1-28
Engine mounting, Ford gasoline 1-30
Engine, Ford gasoline 1-33
Engine mounting, Kubota diesel 1-36
Engine, Kubota diesel 1-39
Air cleaner 1-41
Placards and decals 1-42
Gear hub, drive - Auburn 1-44
Gear hub, Steer - Auburn 1-46
Swing drive - Gear Products 1-48
Swing drive, Perfection 1-50
Swing drive, Tulsa Winch 1-52
Tires and wheels 1-54

Section 2. - Hydraulics

Chassis hydraulic equipment 2-2
Chassis hydraulic hoses 2-5
Turntable hydraulic equipment 2-6
Booms hydraulic equipment 2-9
Drive control valve 2-10
Transmission valve 2-12
Package valve, Rexroth 2-14
Package valve, Vickers 2-17
Control valve package, Rexroth 2-18
Control valve package, Vickers 2-20
Control valve, drive 2-22
AC generator valve 2-23
Accumulator, chassis 2-24
Accumulator, turntable 2-25
Check valve 2-26
Boom lift cylinder 2-27
Cylinder, boom lift - GBI 2-28
Cylinder, boom lift - Green 2-29
Cylinder, boom lift - Seabee 2-30
Cylinder, extension - GBI 2-31
Master level cylinder 2-32
Cylinder, master level - Green 2-33
Cylinder, master level - Prince 2-34
Slave level cylinder 2-35
Cylinder, slave level - GBI 2-36
Cylinder, slave level - Prince 2-37
Cylinder, slave level - Texas 2-38
Cylinder, steering - Green 2-39
Cylinder, steering - Prince 2-40
Cylinder, steering - Texas 2-41
Dual counterbalance valve, Fluid Tech 2-42
Dual counterbalance valve, Weco 2-43
Emergency power pump 2-44
Flow divider, Fluid Tech 2-45
Flow divider, Sun Hydraulics 2-46
Gear flow divider 2-47
High-low speed valve 2-48
hydraulic motor and brake 2-49
Hydraulic drive motor, steering end 2-50
Hydraulic drive motor, drive end 2-52
Hydraulic oil reservoir 2-54
Hydraulic oil return filter 2-55
Hydraulic pump and fittings 2-56
Sense line dump valve 2-57
Solenoid valve, high-low shift 2-58
Transmission valve package, Fluid Tech 2-59
Transmission valve package, Vickers 2-60

Section 3. - Electrical

Chassis electrical, Ford 3-2
Chassis electrical, Kubota 3-5
Turntable, electrical 3-6
Platform, electrical 3-9
Wiring box, Ford 3-10
Wiring box, Kubota 3-13
Wiring box panel, Ford 3-14
Wiring box panel, Kubota 3-17
Upper control box, Ford 3-18
Upper control box, Kubota 3-22
Engine gauge panel, Ford 3-25
Engine gauge panel, Kubota 3-30
Platform foot switch 3-33
Boom switch, Ford 3-34
Boom switch, Kubota 3-35
Steer switch, left hand 3-36
Steer switch, right hand 3-37
Power to Platform, 125 volt 3-38
Controller, drive 3-40

Section 4. - Factory installed options

AC generator mounting 4-2
AC generator 4-5
Airline to platform 4-6
Driving lights and taillights 4-9
Dual fuel, Ford 4-10
Dual fuel engine, Ford 4-13
LP fuel only, Ford 4-14

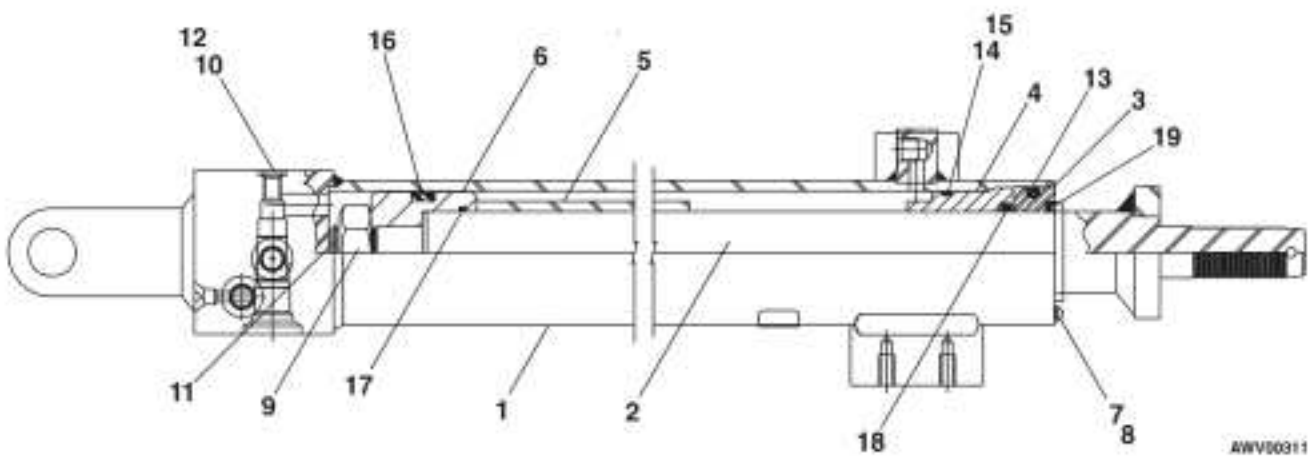
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LP fuel engine, Ford 4-17
Engine block heater. 4-18
Lanyard anchor, dual 4-19
Lanyard anchor, platform floor 4-20
Motion alarm 4-21
Operator horn 4-22
Tool tray 4-23
Tow package 4-24
Warning lights 4-26
Work lights. 4-29
Upper control box cover 4-30

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Cylinder, extension - GBI

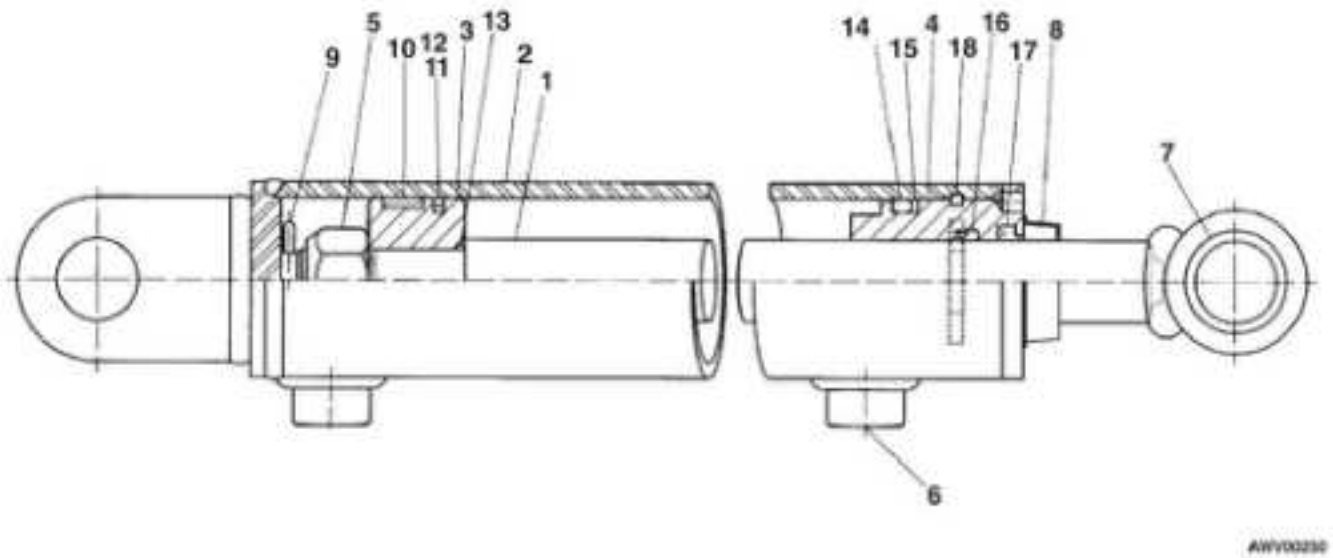
item	part no	qty	description
	0150053	1	Cylinder, extension - GBI
	0150554	1	Seal repair kit - (kit includes items 12 through 19)
1		1	Case - (not sold separately)
2	8070550	1	Rod
3	8070549	1	Thread ring
4	8070024	1	Head gland
5	8070547	1	Spacer
6	8070546	1	Piston
7	8070362	1	Lock washer
8	8070363	1	Capscrew
9	8070543	1	Nut
10	8070542	1	Port plug
11	8070540	1	Snap ring
12	kit item	1	O-ring - (not sold separately)
13	kit item	1	Nylon plug - (not sold separately)
14	kit item	1	Back-up - (not sold separately)
15	kit item	1	O-ring - (not sold separately)
16	kit item	1	T-ring - (not sold separately)
17	kit item	1	O-ring - (not sold separately)
18	kit item	1	U-cup - (not sold separately)
19	kit item	1	Wiper - (not sold separately)



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Cylinder, steering - Prince

item	part no	qty	description
	0150216	1	Cylinder, steering - Prince
	8160052	1	Seal repair kit - (kit includes items 10 through 18)
1	8160256	1	Piston rod
2		1	Butt and tube - (not sold separately)
3	8160223	1	Piston
4	8160224	1	Gland
5	8160225	1	Locknut
6	8160131	2	Port plug
7	8160226	1	Bushing
8	8160175	1	Wiper cover
9	8160174	1	Cotter pin
10	kit item	1	Wear ring - (not sold separately)
11	kit item	1	Teflon seal - (not sold separately)
12	kit item	1	O-ring - (not sold separately)
13	kit item	1	O-ring - (not sold separately)
14	kit item	1	O-ring - (not sold separately)
15	kit item	1	BU-washer - (not sold separately)
16	kit item	1	U-cup - (not sold separately)
17	kit item	1	Wiper - (not sold separately)
18	kit item	1	Square wire retainer - (not sold separately)



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Hydraulic drive motor, drive end

item	part no	qty	description
	6030027	1	Hydraulic drive motor, drive end
	0152189	1	Seal repair kit
1	kit item	2	Seal - (not sold separately)
2	8050059	1	Valve plate
3	kit item	1	Seal - (not sold separately)
4	8050060	1	Valve
5	8050061	2	Spring
6	8050062	2	Balance ring S/A with 2 pins
7	8050078	4	Bolt
8	kit item	1	O-ring - (not sold separately)
9	kit item	1	Back-up ring - (not sold separately)
10	kit item	1	O-ring - (not sold separately)
11	kit item	1	Back-up ring - (not sold separately)
12	kit item	1	O-ring - (not sold separately)
13	kit item	2	Back-up ring - (not sold separately)
14	8050050	1	Shaft seal
15	8050051	1	Back-up ring
16	8050079	1	Mounting flange SAE B 4 bolt bearingless
17	8050064	1	Drive
18	kit item	1	Face seal - (not sold separately)
19	8050065	1	Wear plate
20	8050066	1	Geroler
21	8050067	1	Main drive
22	8050068	1	Valve housing
23	8050069	2	Steel ball
24	8050070	2	Plug with o-ring
	kit item	2	Replacement o-ring - (not sold separately)
25	8050071	2	Compression spring
26	8050072	1	Plug with o-ring
	kit item	1	Replacement o-ring - (not sold separately)
27	8050073	1	Plug with o-ring
	kit item	1	Replacement o-ring - (not sold separately)
28	8050074	1	Control spool
29	8050032	1	Compression spring
30	8050033	1	Compression spring
31	8050077	1	Plug with o-ring
	kit item	1	Replacement o-ring - (not sold separately)
32	kit item	1	O-ring - (not sold separately)

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