Repair Parts Manual

UNO 41D/G 4x4

engine powered
diesel
gasoline
LPG

Manufactured 01-97 through 01-01

P/N 0152875
February 1998 - revised December 2001

Snorkel

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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 may be 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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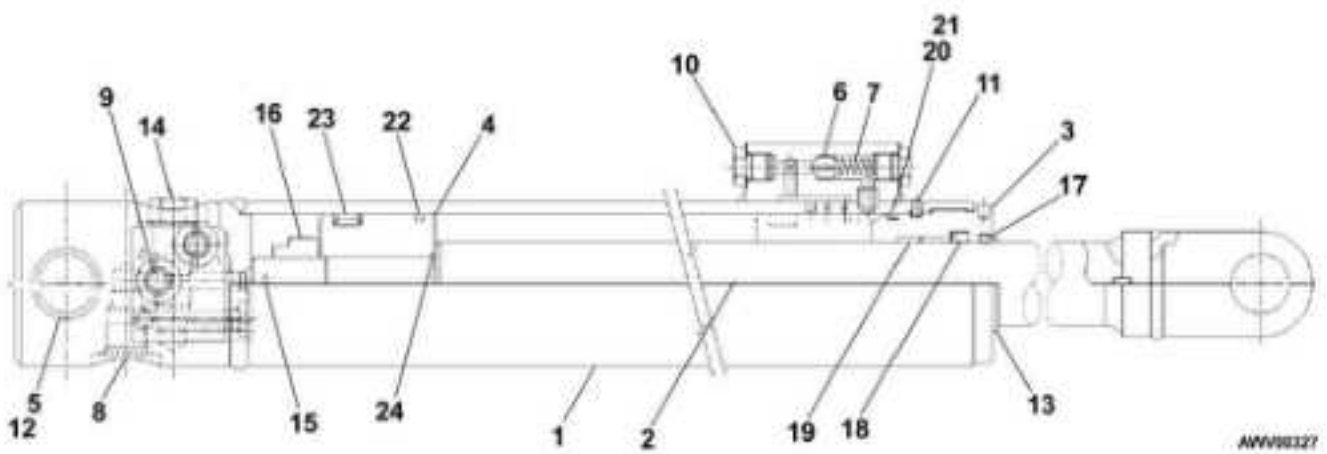
Swing drive, Perfection

item	part no	qty	description
	0151063	1	Swing drive - Perfection
	0153206	1	Seal repair kit - (kit includes items 10, 13 and 18 through 25)
1	0163001	1	Housing
2	0163002	1	Gear cap
3	0163003	1	Snap ring
4	0163004	1	Worn gear
5	0153204	1	Worm
6	0153205	1	Worm cap
7	0172035	2	Bearing cup
8	0172036	2	Bearing cone
9	0163007	1	Pinion
10	Kit item	1	Oil seal - (not sold separately)
11	0163009	1	Bearing cone
12	0163010	1	Bearing cup
13	Kit item	1	Oil seal - (not sold separately)
14	0163012	1	Spacer
15	0163013	6	Capscrew 7/16-14 x 1-1/4 inch long hex socket head
16	0163014	1	Bearing cup
17	0163015	1	Bearing cone
18	Kit item	2	Shim, .010 inch thick - (not sold separately)
19	Kit item	2	Shim, .0075 inch thick - (not sold separately)
20	Kit item	2	Shim, .005 inch thick - (not sold separately)
21	Kit item	2	Shim, .003 inch thick - (not sold separately)
22	Kit item	2	Shim, .0075 inch thick - (not sold separately)
23	Kit item	2	Shim, .005 inch thick - (not sold separately)
24	Kit item	2	Shim, .003 inch thick - (not sold separately)
25	Kit item	2	Oil seal - (not sold separately)
26	0172050	4	Pipe plug
27	970469	4	Capscrew 3/8-16 x 1 inch long hex head grade 5
28	5570003	1	Grease fitting 1/8 NPT 90°
29	0172054	1	Reducer bushing
30	0172053	1	Pressure vent plug

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Cylinder, lower boom lift - Texas

item	part no	qty	description
	0151414	1	Cylinder, lower boom lift - Texas
	8200097	1	Seal repair kit - (kit includes items 17 through 24)
1		1	Cylinder tube - (not sold separately)
2	8200157	1	Rod
3	8200156	1	Head
4	8200155	1	Piston
5	8200154	1	Spacer
6	8200153	1	Poppet
7	8200152	1	Spring
8	8200151	1	Port plug
9	8200150	1	Port plug
10	8200131	5	Port plug
11	8200149	1	Set screw
12	8200148	2	Bushing
13	8200126	1	O-ring
14	8200147	1	Cavity plug
15	8200113	1	Cotter pin
16	8200138	1	Lock nut
17	Kit item	1	Wiper - (not sold separately)
18	Kit item	1	U-cup - (not sold separately)
19	Kit item	2	Wear ring - (not sold separately)
20	Kit item	1	Back-up - (not sold separately)
21	Kit item	1	O-ring - (not sold separately)
22	Kit item	1	Cast iron ring - (not sold separately)
23	Kit item	1	CST seal - (not sold separately)
24	Kit item	1	O-ring - (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	Kit item	1	Shaft seal
15	Kit item	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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