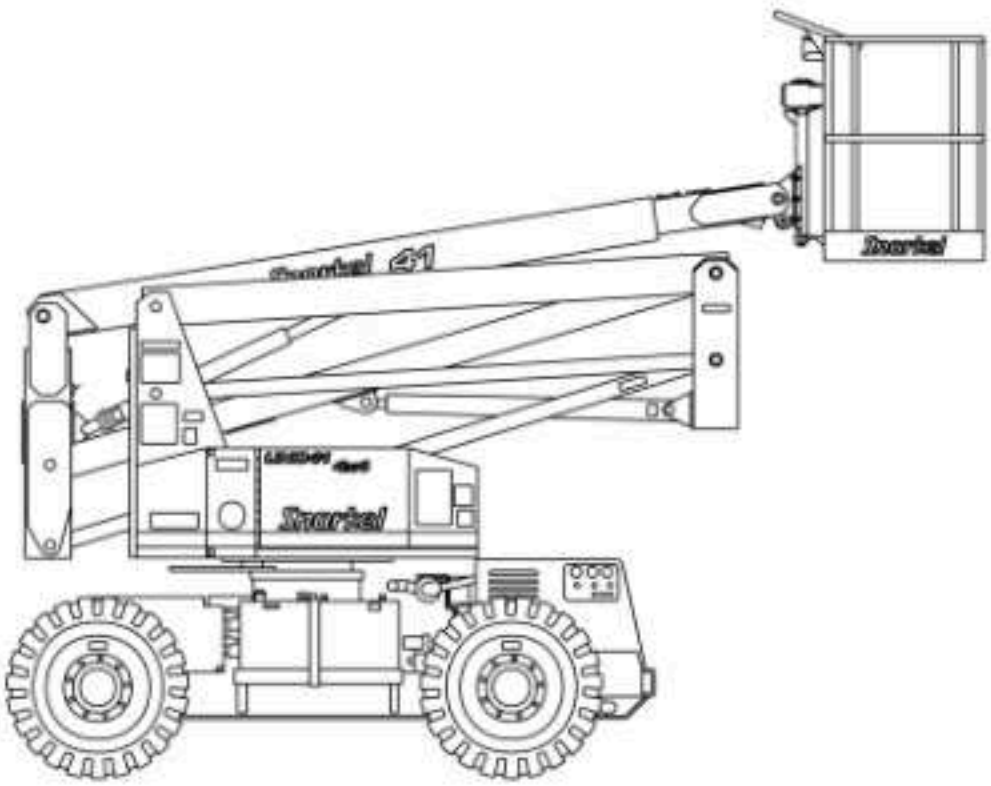
Repair Parts Manual



Manufactured 02-01 and after

UNO41

Snorkel

P/N 0153286
February 2001 - revised December 2001

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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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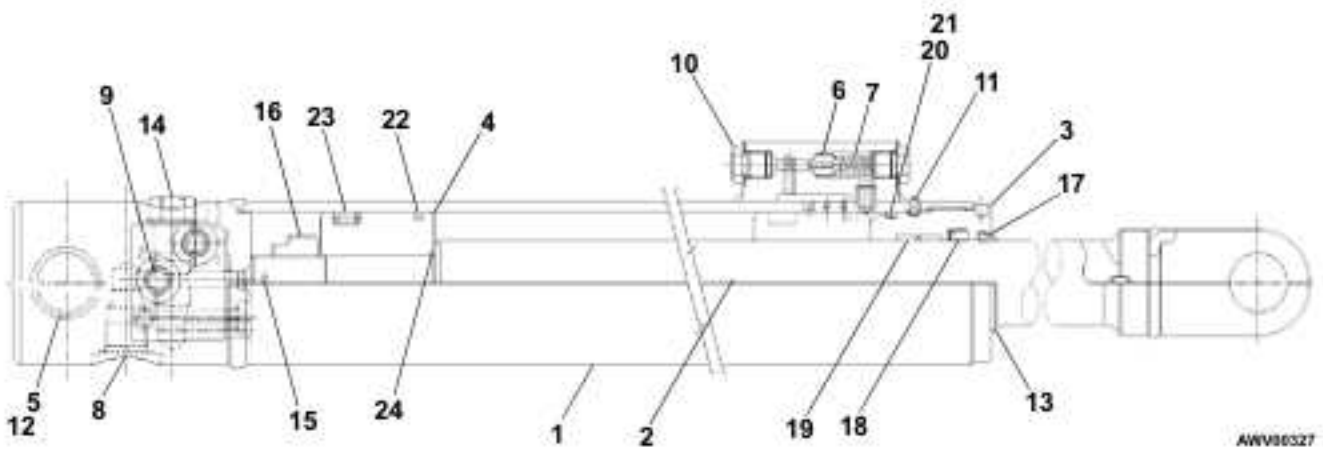
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Cylinder, lower boom lift - Texas

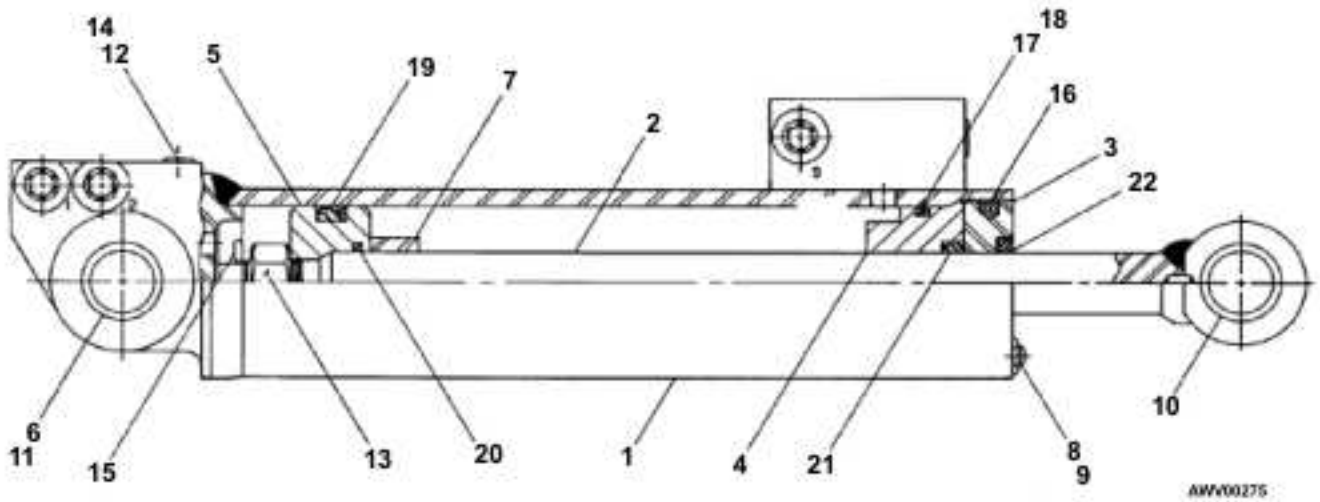
item	part no	qty	description
	0151414-99	1	Cylinder, lower boom lift - Texas
	8200097	1	Seal repair kit - (kit includes items 17 through 24)
1		1	Cylinder tube - (not sold separately)
2	8200157	1	Rod
3	8200156	1	Head
4	8200155	1	Piston
5	8200154	1	Spacer
6	8200153	1	Poppet
7	8200152	1	Spring
8	8200151	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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Cylinder, slave level - GBI

item	part no	qty	description
	0150939-99	1	Cylinder, slave level - GBI
	0150555	1	Seal repair kit - (kit includes item 14 through 22)
1		1	Tube - (not sold separately)
2	8070211	1	Rod
3	8070213	1	Retainer
4	8070587	1	Bearing
5	8070586	1	Piston
6	8070585	1	Spacer
7	8070584	1	Spacer
8	8070300	1	Lock washer
9	8070301	1	Capscrew
10	8070180	1	Bushing
11	8070581	2	Bushing
12	8070580	2	Port plug
13	8070253	1	Nut
14	Kit item	2	O-ring - (not sold separately)
15	Kit item	1	Cotter pin - (not sold separately)
16	Kit item	1	Nylon plug - (not sold separately)
17	Kit item	1	Back-up - (not sold separately)
18	Kit item	1	O-ring - (not sold separately)
19	Kit item	1	T-ring - (not sold separately)
20	Kit item	1	O-ring - (not sold separately)
21	Kit item	1	U-ring - (not sold separately)
22	Kit item	1	Wiper - (not sold separately)



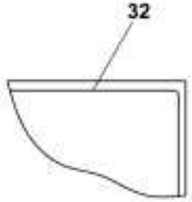
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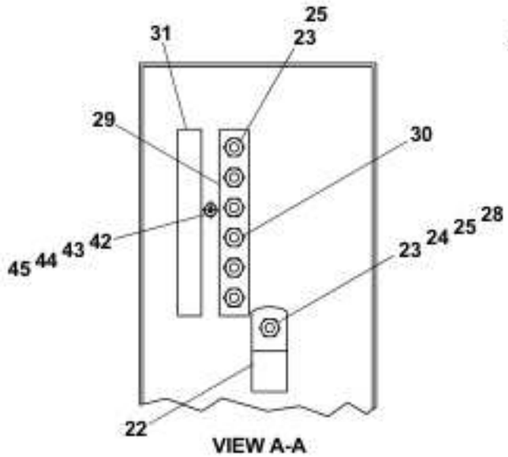
LP fuel engine, Ford

item	part no	qty	description
	0152630	1	LP fuel engine, Ford
1	0152499	1	Engine, Ford gasoline - (see page 1-33 for parts breakdown)
2	0151899	1	Dual fuel kit, liquid withdrawal - (kit includes items 3 through 11)
3	Kit item	1	Regulator
4	Kit item	1	Filterlock
5	Kit item	1	Hose adapter
6	Kit item	1	LP hose
7	Kit item	1	Street elbow 45° 3/8 NPT
8	Kit item	1	Elbow 90° male 1/4 NPT brass
9	Kit item	1	Street tee, 1/8 inch NPT
10	Kit item	1	Street 90° elbow, 1/8 inch NPT
11	Kit item	1	Connector
12	3020054	1	Vacuum switch - (included with engine)
	8130005	1	Replacement switch
13	0152629-99	1	Bracket, dual fuel
14	3044146	1	Terminal #10 stud insulated 22/18 wire
15	3040083	1	Terminal .250 tab female slip-on fully insulated 16/14 wire
16	7710013	1	Pipe plug 1/8 NPT square head
17	5090024	1	Vacuum fitting 1/8 NPT brass straight
18	5550030	2	Clamp
19	5039601	2	Splice
20	5039501	2	Beaded 90° elbow
21	5010020	1	Fuel hose, 5/8 inch diameter x 24 inch long
22	5090044	1	Vacuum line tee
23	5550010	8	Clamp
24	5010007	1	Vacuum hose, 3/16 inch diameter x 9 inch long
25	970029	2	Capscrew 1/4-20 x 3/4 inch long hex head grade 5
26	987099	2	Washer 1/4 medium lock
27	970049	2	Capscrew 1/4-20 x 1 inch long hex head grade 5
28	5560004	2	Nut 1/4-20 self locking

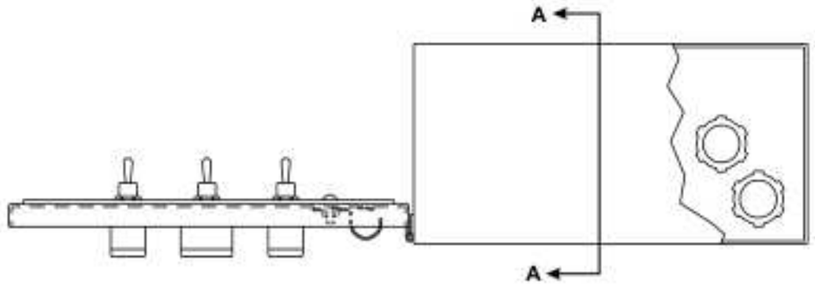
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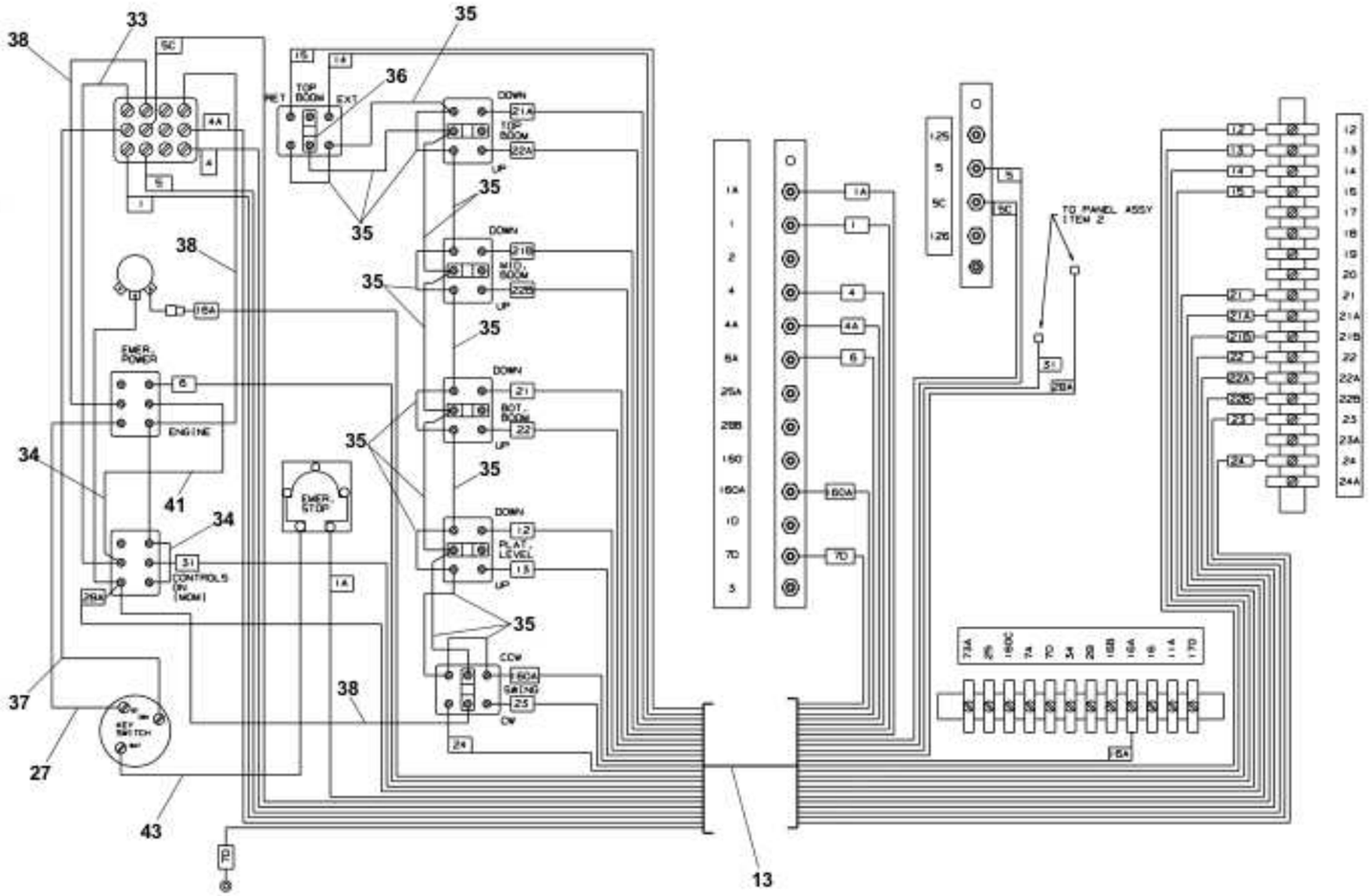


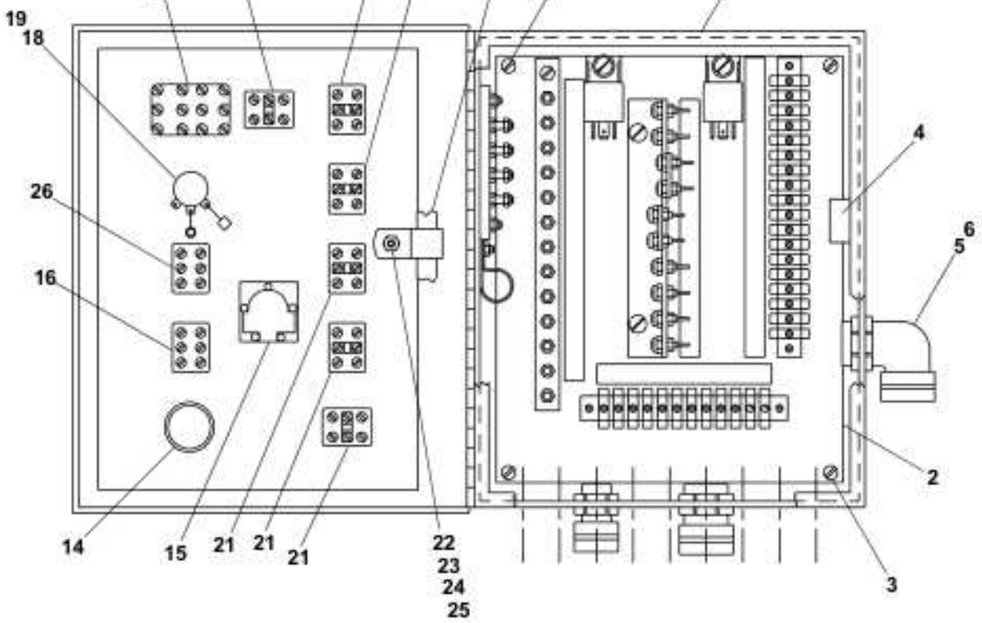
WIRING BOX
FRONT VIEW

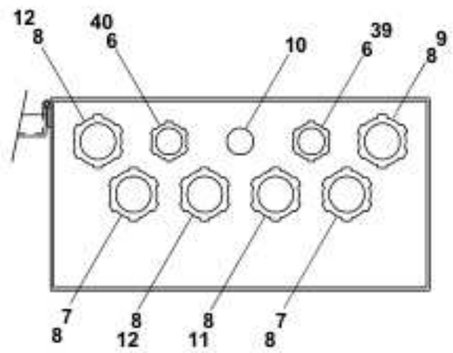


VIEW A-A









WIRING BOX
BOTTOM VIEW

AW0152544

TITLE Wiring box
Ford
Snorkel model UNO41

Snorkel INTERNATIONAL

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