



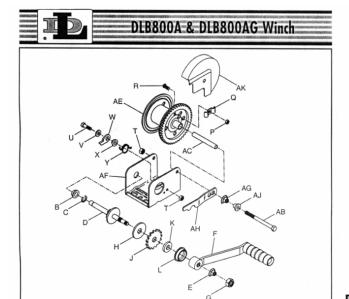
# L-11 Crank-Up Lift

**Instruction &** 

**Operation** 

Manual

722 Blue Crab Road Newport News VA 23606
Toll Free 800-883-0008 Phone 757-591-9371 Fax 757-591-9514



## PARTS LIST

Ref	Description	Part No.
Α	Base	404900
Α	Base - DLB 350AG	404945
В	Bushing	204012
С	"E" Ring	205116
D	Drive Shaft	304758
Е	Spring	204364
F	Handle	304231
	Handle - DLB 1200AG	304232
G	Nut	205015
Н	Pressure Plate	204362
J	Ratchet Wheel	404164
К	Pressure Washer	404163
L	Bushing	206328
М	Nut	205316
N	Bolt	205332
Р	Nut	206225
Q	Rope Clamp	404043
R	Carriage Bolt	205017
R	Carriage Bolt - 3/4" Lg.	205215
s	Reel	304790
Т	Locknut	204803
U	Bolt	205167
٧	Flat Washer	205055
W	Pawl	404409
	Pawl - "G" Series	404190
Х	Spacer	404166
	Spacer - "G" Series	404191
Υ	Spring	204363
	Spring - "G" Series	204460
Z	Reel Spacer	207183
AB	Bolt	203161
AC	Reel Spacer	204807
AE	Reel	304753

AF         Base         404893           Base – DLB 800AG         404895           AG         Spring (optional)         204364           AH         Lockout Lever (optional)         404176           AJ         Spacer (optional)         404476           AK         Gear Cover (optional)         404271           AL         Base         404896           Base – DLB 1200AG         404897           AM         Bushing         204009           AN         Drive Shaft         304759           AP         Screw (optional)         205189           AQ         Gear Cover (optional)         404044           AR         Spacer Washer         204360           AS         Reel         304754           AS         Reel - 1-7/8" (optional)         304768           AT         Base         404891           Base - DLB 1500AG         304265           AV         Handle - DLB 1500AG         304265           AX         Reel Spacer         204808           AY         Gear Cover (optional)         404272           AZ         Reel         304765           AX         Reel Spacer         404899 <t< th=""><th>Ref</th><th>Description</th><th>Part No.</th></t<>	Ref	Description	Part No.
AG         Spring (optional)         204364           AH         Lockout Lever (optional)         404579           AJ         Spacer (optional)         404166           AK         Gear Cover (optional)         404271           AL         Base         404897           AM         Bushing         204099           AM         Bushing         204009           AN         Drive Shaft         304759           AP         Screw (optional)         205189           AQ         Gear Cover (optional)         404044           AR         Spacer Washer         204360           AS         Reel         304756           AS         Reel - 1-7/8" (optional)         304768           AT         Base         404891           Base - DLB 1500AG         404892           AU         Drive Shaft         304760           AV         Handle - DLB 1500AG         304232           HAND         Handle - DLB 1500AG         404898           AX         Reel Spacer         204808           AY         Gear Cover (optional)         404272           AZ         Reel         304755           BA         Base         404898	AF	Base	404893
AH         Lockout Lever (optional)         404579           AJ         Spacer (optional)         404166           AK         Gear Cover (optional)         404271           AL         Base         404897           AM         Bushing         204009           AN         Drive Shaft         304759           AP         Screw (optional)         205189           AQ         Gear Cover (optional)         404044           AR         Spacer Washer         204360           AS         Reel         304758           AS         Reel - 1-7/8" (optional)         304768           AT         Base         404891           Base - DLB 1500AG         404892           AU         Drive Shaft         304760           AV         Handle - DLB 1500AG         304265           AX         Reel Spacer         204808           AY         Gear Cover (optional)         404272           AZ         Reel         304755           BA         Base         404898           Base - DLB 2000AG         404898           BB         Spacer         404434           BC         Bolt         205004           B		Base - DLB 800AG	404895
AJ Spacer (optional) 404166 AK Gear Cover (optional) 404271 AL Base 404897 AM Bushing 204009 AN Drive Shaft 304759 AP Screw (optional) 404044 AR Spacer Washer 204360 AS Reel 304754 AS Reel 1-17/8" (optional) 304764 AT Base 404891 AU Drive Shaft 304759 AV Handle 1018 1500AG 404892 AU Drive Shaft 304760 AV Handle 2040AG 304265 AX Reel 304756 AX Reel 304766 BA Base DLB 1500AG 404892 AU Drive Shaft 304760 AV Handle 304232 AU Drive Shaft 304760 AV Handle 1018 1500AG 304265 AX Reel 304755 BA Base 404898 Base DLB 2000AG 404898 BB Spacer 404434 BC Bolt 20500AG 404898 BB Spacer 404434 BC Bolt 20500AG 404898 BB Spacer 4044911 BE Intermed Drive Shaft 304761 BF Nut 205014 BG Bolt 205004 BH Reel 304755 BJ Drive Hub (Optional) 304562 BK Handle Potional) 304563 BN Handle Hub (Optional) 304638 BN Handle Hub (Optional) 304638	AG	Spring (optional)	204364
AK   Gear Cover (optional)   404271	AH	Lockout Lever (optional)	404579
AL	AJ	Spacer (optional)	404166
Base – DLB 1200AG         404897           AM         Bushing         204009           AN         Drive Shaft         304759           AP         Screw (optional)         205189           AQ         Gear Cover (optional)         404044           AR         Spacer Washer         204360           AS         Reel         304754           AS         Reel – 1-7/8" (optional)         304768           AT         Base         404891           Base – DLB 1500AG         404892           AU         Drive Shaft         304760           AV         Handle         304232           Handle         204808         304265           AX         Reel Spacer         204808           AY         Gear Cover (optional)         404272           AZ         Reel         304755           BA         Base         404898           Base – DLB 2000AG         404898           BB Spacer         404434           BC         Bolt         205006           BD         Spacer         404911           BE         Intermed. Drive Shaft         304761           BF         Nut         205014	AK	Gear Cover (optional)	404271
AM         Bushing         204009           AN         Drive Shaft         304759           AP         Screw (optional)         205189           AQ         Gear Cover (optional)         404044           AR         Spacer Washer         204360           AS         Reel         304754           AS         Reel         304768           AT         Base         404891           Base – DLB 1500AG         404892           AU         Drive Shaft         304760           AV         Handle         304232           Handle – DLB 1500AG         304232           Handle – DLB 1500AG         404808           AY         Gear Cover (optional)         404272           AZ         Reel         304755           BA         Base         404898           Base – DLB 2000AG         404898           Base – DLB 2000AG         404898           BC         Bolt         205006           BD         Spacer         404434           BC         Bolt         205006           BD         Spacer         404911           BF         Nut         205014           BG         Bo	AL	Base	404896
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AP         Screw (optional)         205189           AQ         Gear Cover (optional)         404044           AR         Spacer Washer         204360           AS         Reel         304754           AS         Reel - 1-7/8" (optional)         304764           AS         Reel - 1-7/8" (optional)         404891           Base - DLB 1500AG         404892           AU         Drive Shaft         304760           AV         Handle - DLB 1500AG         304285           AX         Reel Spacer         204808           AY         Gear Cover (optional)         404272           AZ         Reel         304755           BA         Base - DLB 2000AG         404898           BBS Spacer         404434           BC         Bolt         205004           BD         Spacer         404911           BE         Intermed. Drive Shaft         304761           BF         Nut         205014           BG         Bolt         204804           BH         Reel         304756           BJ         Drive Hub (Optional)         304582           BK         Handle (Optional)         304583	AM	Bushing	204009
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AS Reel - 1-7/8" (optional) 304768  AT Base	AR	Spacer Washer	204360
AT Base	AS	Reel	304754
Base - DLB 1500AG   404892	AS	Reel - 1-7/8" (optional)	304768
AU Drive Shaft 304760  AV Handle 304232  Handle - DLB 1500AG 304265  AX Reel Spacer 204808  AY Gear Cover (optional) 404272  AZ Reel 304755  BA Base 404898  Base - DLB 2000AG 404899  BB Spacer 404434  BC Bolt 20500AG  BD Spacer 404911  BE Intermed Drive Shaft 304761  BF Nut 205014  BG Bolt 204804  BH Reel 304756  BJ Drive Hub (Optional) 304582  BK Hax Nut (Optional) 404485  BL Handle Brk. Assy (Opt)  BM Handle (Optional) 304638  BN Handle Hub (Optional) 304638	AT	Base	404891
AV Handle		Base - DLB 1500AG	404892
Handle - DLB 1500AG   304265	AU	Drive Shaft	304760
AX         Reel Spacer         204808           AY         Gear Cover (optional)         404272           AZ         Reel         304755           BA         Base         404898           Base – DLB 2000AG         404898           BB         Spacer         404434           BC         Bolt         205006           BD         Spacer         404911           BE         Intermed. Drive Shaft         304761           BF         Nut         205014           BG         Bolt         204804           BH         Reel         304756           BJ         Drive Hub (Optional)         304562           BK         Hex Nut (Optional)         404485           BL         Handle Brk. Assy (Opt)         304795           BM         Handle (Optional)         304638           BN         Handle Hub (Optional)         304630	AV	Handle	304232
AY         Gear Cover (optional)         404272           AZ         Reel         304755           BA         Base         404898           Base – DLB 2000AG         404898           BB         Spacer         404434           BC         Bolt         205006           BD         Spacer         404911           BE         Intermed. Drive Shaft         304761           BF         Nut         205014           BG         Bolt         204804           BH         Reel         304756           BJ         Drive Hub (Optional)         304562           BK         Hex Nut (Optional)         404485           BL         Handle Brk. Assy (Opt)         304795           BM         Handle (Optional)         304638           BN         Handle Hub (Optional)         304630			304265
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BB         Spacer         404434           BC         Bolt         205006           BD         Spacer         404911           BE         Intermed. Drive Shaft         304761           BF         Nut         205014           BG         Bolt         204804           BH         Reel         304756           BJ         Drive Hub (Optional)         304562           BK         Hex Nut (Optional)         404485           BL         Handle Brk. Assy (Opt)         304538           BN         Handle Hub (Optional)         304630	BA		404898
BC Bolt 205006 BD Spacer 404911 BE Intermed. Drive Shaft 304761 BF Nut 205014 BG Bolt 204804 BH Reel 304756 BJ Drive Hub (Optional) 304562 BK Hex Nut (Optional) 404485 BL Handle Brk. Assy (Opt) 304795 BM Handle (Optional) 304638 BN Handle Hub (Optional) 304630		Base - DLB 2000AG	404899
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BE         Intermed. Drive Shaft         304761           BF         Nut         205014           BG         Bolt         204804           BH         Reel         304756           BJ         Drive Hub (Optional)         304562           BK         Hex Nut (Optional)         404485           BL         Handle Brk. Assy (Opt)         304795           BM         Handle (Optional)         304638           BN         Handle Hub (Optional)         304630	BC	Bolt	205006
BF         Nut         205014           BG         Bolt         204804           BH         Reel         304756           BJ         Drive Hub (Optional)         304562           BK         Hex Nut (Optional)         404485           BL         Handle Brk. Assy (Opt)         304795           BM         Handle (Optional)         304638           BN         Handle Hub (Optional)         304630	BD		404911
BG         Bolt         204804           BH         Reel         304756           BJ         Drive Hub (Optional)         304562           BK         Hex Nut (Optional)         404485           BL         Handle Brk. Assy (Opt)         304795           BM         Handle (Optional)         304638           BN         Handle Hub (Optional)         304630	BE	Intermed. Drive Shaft	304761
BH         Reel         304756           BJ         Drive Hub (Optional)         304562           BK         Hex Nut (Optional)         404485           BL         Handle Brk. Assy (Opt)         304795           BM         Handle (Optional)         304638           BN         Handle Hub (Optional)         304630	BF	Nut	205014
BJ         Drive Hub (Optional)         304562           BK         Hex Nut (Optional)         404485           BL         Handle Brk. Assy (Opt)         304795           BM         Handle (Optional)         304638           BN         Handle Hub (Optional)         304630	BG	Bolt	204804
BK         Hex Nut (Optional)         404485           BL         Handle Brk. Assy (Opt)         304795           BM         Handle (Optional)         304638           BN         Handle Hub (Optional)         304630	BH	Reel	304756
BL         Handle Brk. Assy (Opt)         304795           BM         Handle (Optional)         304638           BN         Handle Hub (Optional)         304630	BJ	Drive Hub (Optional)	304562
BM Handle (Optional) 304638 BN Handle Hub (Optional) 304630	BK	Hex Nut (Optional)	404485
BN Handle Hub (Optional) 304630	BL	Handle Brk. Assy (Opt)	304795
and the state of t	ВМ	Handle (Optional)	304638
BP Slotted Nut (Optional) 404970	BN	Handle Hub (Optional)	304630
	BP	Slotted Nut (Optional)	404970

### WINCH **INSTRUCTION PAGE**

WARNING READ INSTRUCTIONS CAREFULLY BEFORE ATTEMPTING TO INSTALL, OPERATE OR SERVICE THIS WINCH. FAILURE TO COMPLY WITH INSTRUCTIONS COULD RESULT IN SERIOUS OR FATAL INJURY. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE.

removed.

#### IMPORTANT SAFETY INFORMATION

- This brake winch is built for multi-purpose hauling and lifting operations. It is not to be used as a holst for lifting, supporting or transporting people, or for loads over areas where people could be present.
   Respect this winch. High forces are created when using a winch, creating potential safety hazards. It should be operated and maintained in accordance with instructions. Never allow children or anyone who is not familiar with the operation of the winch to use it. A winch accident could result in personal injury.
   Check winch for proper operation on each use. Do not use if damaged. Seek immediate repairs.
- repairs.

  Never exceed rated capacity. Excess load may cause premature failure and could result in serious personal injury. This winch is rated on first layer of cable on the hub. Using more layers of cable increases the load on the winch.

  Never apply load on winch with cable fully extended. Keep at least three full turns of cable on the reel.
- Secure load properly. When winching operation is complete, do not depend on winch to support load.

  Operate with hand power only. This winch should not be operated with a motor of any kind. If the winch cannot be cranked easily with one hand, it is probably over-loaded.

ASSEMBLY - Thread the handle onto the winch drive shaft and be certain that a clicking noise is produced when the handle is turned clockwise. Install the spring and locknut (Items E and G) on the end of the drive shaft as shown on parts drawing. These parts may appear to serve no function, but they provide several important fail-safe features, and should not be altered or removed.

WINCH MOUNTING AND CABLE ATTACHMENT – For maximum strength and safety, this winch should be mounted with three %" bolts (M10), washers and lock washers. (See parts drawing). Using fewer bolts or alternate locations will result in damage to the winch base and the winch may malfunction.

Attach cable or rope by either method

shown in sketch.

OPERATING INSTRUCTIONS OPERATING INSTRUCTIONS
Wind cable on winch reel by turning winch
handle in clockwise direction. This should
produce a-loud, sharp, clicking noise. The
load will remain in position when the handle
is released. Wind cable off the winch reel by
turning winch handle counterclockwise (no
noise will be produced). The load will remain
in position when the handle is released, but
for extra security it is recommended that the for extra security it is recommended that the handle be turned clockwise until at least two clicks are heard. This will add extra tightness to the brake mechanism. Always satisfy your-self that the winch is holding the load before releasing the winch handle.

MMPORTANT: Sufficient load must be applied to the cable to overcome internal resistance and operate the brake property, otherwise turning the crank handle counterclockwise will only remove the

handle from the shaft - the reel will not nancie from the shaft – the reel will not urn. The minimum operating load requirement is 50 lb (23 kg) for Models DL8350A, DL8350AG, DL8800A, DL8800A, DL8200A and DL81200AG and DL81200AG, 175 lb (34 kg) for DL81500AG and DL81500AG, 175 lb (80 kg) for DL82000A and DL81500AG, 175 lb (80 kg) for DL82000A

and DLB2000AG. Models DLB805A, DLB1205A, & DLB1505A, are equipped with a lockout lever for the purpose of 'freewheeling' cable out when there is no load on the winch. To 'freewheel' cable out, simply turn the handle counter-clockwise until lockout lever can be engaged behind handle hub. In this condition cable can be easily pulled from the winch drum.

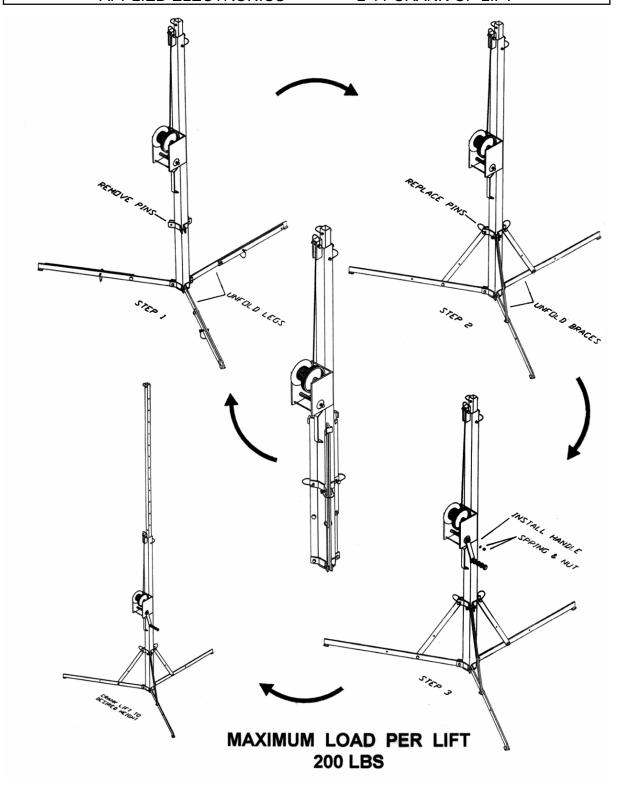
➡ WARNING: Never put winch in free-wheel mode if any potential for a load on the cable exists. Engaging the lockout lever keeps the winch from stopping in the event that a load is accidentally applied.

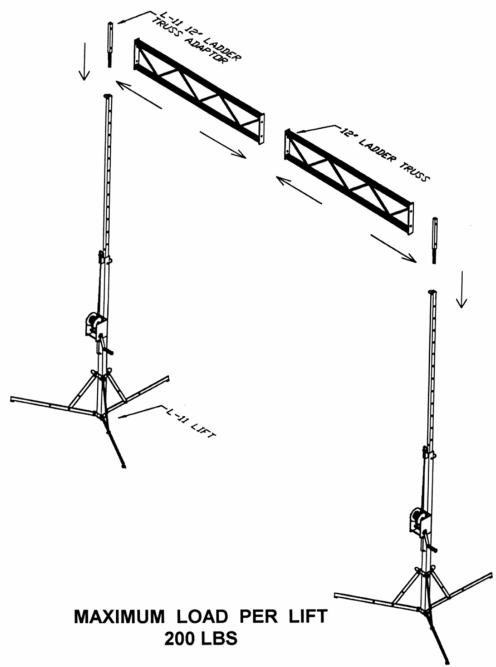
WINCH MAINTENANCE - In order to WINCH MAINTENANCE – In order to insure maximum performance, a periodic inspection for any necessary preventive maintenance should be made. Check at least once annually and more frequently when the winch is exposed to an environment which is particularly dirty or wet. For continued smooth performance and increased life, occasionally grease gears,

reel shaft and handle threads. An occasion reel shaft and handle threads. An occasion-al drop of oil on the drive shaft bearings is also recommended. NOTE: Do not oil or grease brake mechanism. Keep winch in good working order. Damaged or severely-worn parts create

unnecessary dangers and could result in personal injury or property damage.

#### NOT FOR THE MOVEMENT OF HUMAN BEINGS





Note: Maximum load for this system with two (2) L-11 Lifts is Uniform Load of 400 lbs.

#### **SPECIFICATIONS**

- Two Section 11 ft. Crank-Up Lift
- > 200 lb. Load Maximum at 6' Through 11'
- ➢ 6' Loading Height
- > 11' Maximum Lift Height
- > 72" Base Diameter For Stability
- ➤ 6' Collapsed Length
- 9.5" Collapsed Diameter
- > 48 lbs. Total Weight
- > 3/16" Steel Cable

#### FIELD REPLACEMENT PARTS

PART NUMBER	DESCRIPTION
91-504 91-503	Winch, DLB 800A Cable, 3/16"
	,
91-302	1-1/2" x 3/8" Leg Pin
91-303	2-1/2" x 3/8" Mast Pin