



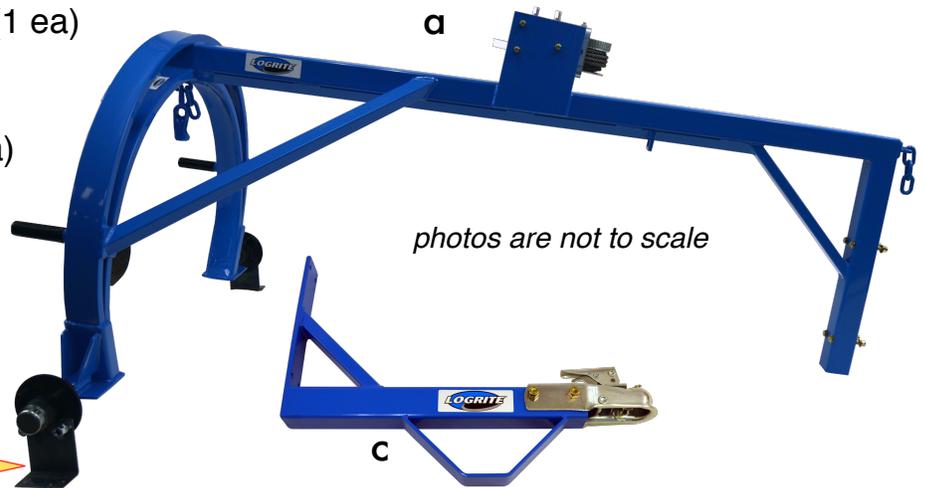
ATV Arch Packing List

60 Industrial Park Road
Vernon, CT 06066
www.logrite.com
800-631-4791

- a. ATV Arch frame w/winch and cable (1 ea)
- b. 23 x 10.5 - 12 tires (2 ea)
- c. drop tongue (1 ea)
- d. 3/8" - 16 X 3.5" hex head bolts (4 ea)*
- e. 3/8" washers (8 ea)*
- f. 3/8" - 16 nylock nuts (4 ea)*
- g. 1/2" - 20 lug nuts (8 ea)*
- h. snatch blocks (2 ea)
- i. 1" x 10 ft ratchet strap (1 ea)
- j. winch handle (1 ea)
- k. 1 oz Bluecrawler (1 ea)
- Owner's Manual

Serial # _____

Packed by _____



bracket for shipping only →

*may be preassembled





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ATV Arch Owner's Manual

The ATV arch is a forwarding arch for small to medium logs. You will find this implement handy for low impact forwarding of logs. It works best behind a 4-wheel drive ATV with minimum recommended requirement of 300CC. Because of an ATV's inherent mobility, they are the ideal tow vehicle for this arch but the arch of course will work behind a small tractor or pickup truck. The ATV arch will fully suspend a 10'-11' log that is 25" in diameter or weighing 2000 pounds. It comes with a load rated, high flotation ATV tire.

Features

- 2" ball coupler
- 2000 lb hubs and spindles
- 3200 lb 2-speed winch
- 25' of 3/8" cable with choker bell
- 2 side release snatch blocks
- attached choker bell



WARNING

- Read all instructions including the winch manufacturer's instruction manual before using.
- Remain constantly aware that safe operating is your responsibility.
- ATV arch is designed to move logs, poles, and beams only.
- Do **NOT** use the arch to move logs on any public road.
- Do **NOT** lift the arch when loaded.
- Check for proper ratchet operation on each use of the winch. Do **NOT** use if damaged. Seek immediate repairs.
- 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 not familiar with the operation of a winch to use it. A winch accident could result in personal injury.
- Maintain a firm grip on the winch handle at all times, and never release the handle when ratchet lever is in unlock position with a load on the winch. Otherwise handle will spin violently, which could cause personal injury.
- Never use the winch handle as a convenient handle for pulling or maneuvering the entire arch. Never pull on the winch handle against a locked ratchet.
- Never exceed rated capacity. Excess load may cause a premature failure and could result in serious personal injury. This winch is rated with three layers of line on the hub. Using more layers of line or a large hub 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.
- 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 over-loaded.
- Should the load begin to fall out of control when operating, do **NOT** attempt to stop the spinning winch handle with your hands or any part of your body.



log fully suspended



ATV and Jr arches in tandem

Assembly

- 1- Remove arch and parts from pallet.
- 2- Bolt the drop tongue to the arch using two 9/16" wrenches (*fig. A*).
- 3- Mount the tires using 13/16" lug wrench.
- 4- Place the winch in High gear by moving the handle to the shaft closest to the reel (Pic E). and let out enough line to reach beyond the drop tongue.
- 5- Run the winch line toward the drop tongue. Open a snatch block (*fig. B*), lay the winch line in the groove of the sheave and attach the snatch block to last link of chain (*fig. C*). The link should be inserted between the side plates of the snatch block and the bolt should pass through the link.
- 6- Next, run the winch line along the reach of the arch, insert winch line into second snatch block and attach the snatch block to last link of chain hanging in the arch (*fig. D*).



fig. A



fig. B



fig. C

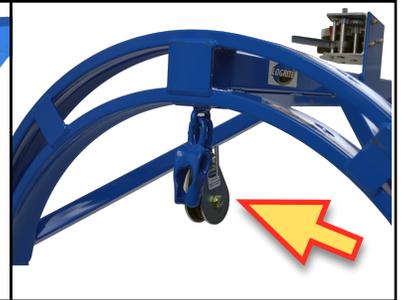


fig. D

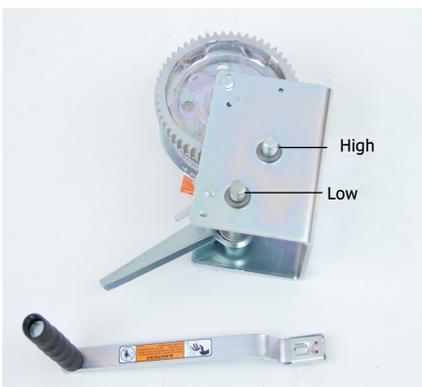


fig. E



fully suspended and strapped

IMPORTANT REMINDERS - READ BEFORE USE

Break in the winch line! When the winch line is new, it does not want to stay wrapped around a small winch spool. For the first dozen or so lifts, take a little extra time to pull all the slack out of the winch as you bring in the line before it becomes tight to the log. Always keep the winch line unsnarled.

Familiarize yourself with the handbrake. Before each use make sure it is undamaged and in good working order. Inspect the brake drum and band verifying it is clean and free of dirt, oils, snow, ice, etc.

Never pull all the choker line out of the winch; always leave at least three full turns of cable on the winch spool, so the line does not break out the welded end.

Check the coupler, winch and snatch blocks daily.

Use

1- To position the arch you can back over the log or drive up next to the log and use the two handles (pic F) to place the arch over the log. Remember to keep your back straight and knees bent to lift the arch. Do NOT attempt to lift the arch with a log in it.

2- Straddle the arch over the midpoint of the log. The arch is designed to pick up the weight of the log instead of the ATV. The amount of the log that is in the arch determines how much of the log weight will be picked up. If the log is 10 feet or less the entire log can be suspended.



fig. F

Pro tip: On longer logs, there will be a slight drag. This tail drag is often a slight advantage, as the log will trail straight behind the arch. It might also be used as resistance when on a gentle slope. The arch is designed to have a neutral tongue weight. Logs fully suspended with more weight extending out from the arch can cause negative tongue weight. This can cause the ATV to become unstable.

3- To choke the log, slip the cable under the log and place the nubbin into the red choker bell on the cable (pic G). Should the log be close to the 2000 pound capacity of the arch, we suggest using the doubling option. The **doubling option** is when you hook the winch cable into the bell that is welded to the arch (pic H). Using the doubling option will make the winch handle easier to crank.



fig. G



fig. H

Usage cont.

4- Brace yourself when winching in a log. First, while in high gear, take out the slack as you bring in the line, then grab onto the arch with your free hand to ease your work. When it becomes difficult to crank the handle switch to low gear. Two speeds on the winch are available by moving the handle from one shaft to the other (Pic E).

Pro Tip: The log will articulate around the suspension point. This is handy when maneuvering around obstacles. However, you may choose to secure the nose of the log when moving logs on a trail. Using the strap provided, secure the nose of the log to the ring welded on the reach of the arch just behind the drop tongue.

5- Always lower your load in control **never let the handle spin freely**. To lower the log, ALWAYS use low gear and the handbrake. Avoid sudden deceleration of load. Do not let the winch free-wheel. Should the load begin to fall out of control do **NOT** attempt to stop the spinning winch handle.



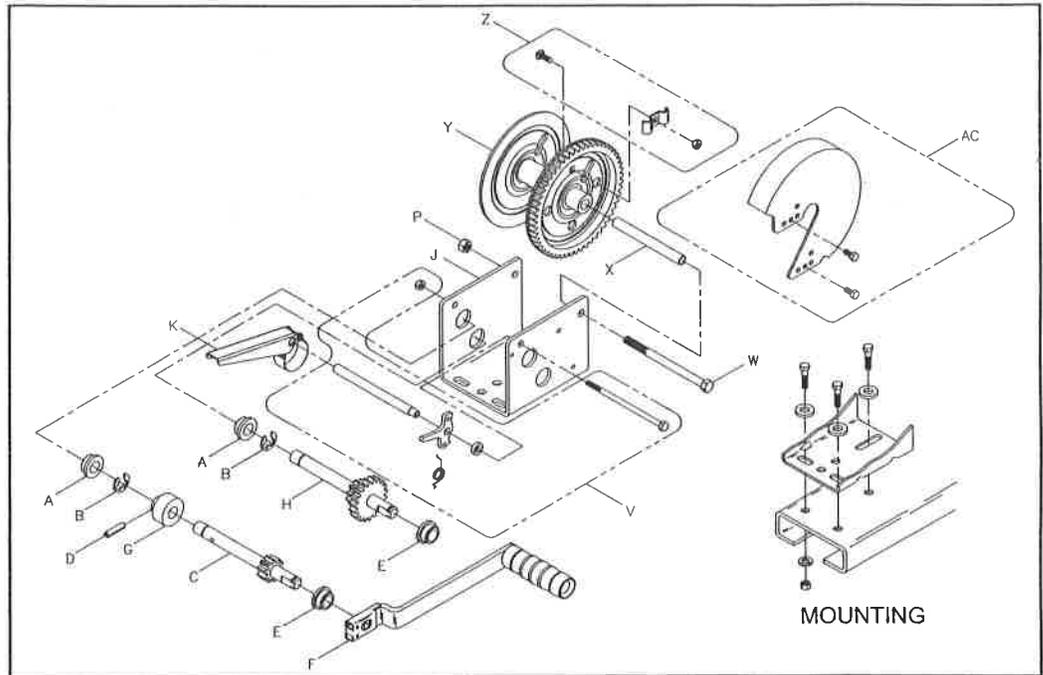
Pro Tip: When the terrain will not allow you to position the arch over the log, use the winch line to bring the log to the arch. Let out enough winch line to choke the log then use the winch to pull the log into the arch. Placing the choker 5 ft down the log will prevent you from having to rechoke the log.

Maintenance

- Check the coupler, winch and snatch blocks daily.
- Grease the winch gears and reel shaft of the hand winch weekly.
- Occasionally oil the handle shaft bearings of the hand winch using the provided Bluecreeper Penetrating Lubricant.
- Pack the hubs with grease annually or after heavy use.
- Keep the winch line unsnarled.
- Keep tire pressure at recommended pressure.



DL1800A, DL2000A, DL2500A, DL3200A



Ref	Description	Part No.
A	Bushing (2)	204009
B	E-Ring (2)	205116
C	Drive Shaft - DL1800A, 2000A, 2500A	304726
C	Drive Shaft - DL3200A	304736
C	Dr. Shaft w/Hole - DL1800A thru 2500A	304780
C	Dr. Shaft w/Hole - DL3200A	304787
D	Pin (Optional)	207255
E	Bushing (2)	204012
F	Handle	5703301
G	Drum (Optional)	404910
H	Drive Shaft - DL1800A	304732
H	Drive Shaft - DL2000A	304733
H	Drive Shaft - DL2500A	304727
H	Drive Shaft - DL3200A	304737
H	Drive Shaft - DL2500A, Spec. Opt.	304781
J	Base - DL1800A	404879*
J	Base - DL2000A	404880*
J	Base - DL2500A	404875*
J	Base - DL3200A	404907*

Ref	Description	Part No.
K	Brake Band/Handle Assy.	304810
P	Locknut	204803
V	Ratchet Kit	5704754
W	Reel Shaft - DL1800A	205127
W	Reel Shaft - DL2500A, 2000A	204804
W	Reel Shaft - DL3200A	205335
X	Spacer (Reel)	204808
Y	Reel (1-1/8" Hub) - DL1800A, 2000A	304730*
Y	Reel (2-1/2" Hub) - DL1800A, 2000A, Opt.	304755*
Y	Reel (2" Wide) - DL2000A, Opt.	304779*
Y	Reel (1-1/8" Hub) - DL2500A	304728*
Y	Reel (2-1/2" Hub) - DL2500A, Opt.	304783*
Y	Reel (2" Wide) - DL2500A, Opt.	304782*
Y	Reel (1-1/8" Hub) - DL3200A	304735*
Y	Reel (2-1/2" Hub) - DL3200A, Opt.	304788*
Z	Rope Clamp Kit	5243506
AC	Gear Cover - DL1800A, DL2000A, DL2500A, Opt., Bronze	5240387
AC	Gear Cover - DL1800A, DL2000A, DL2500A, Opt., Plated	5240403

*Specify color when ordering

To order replacement parts:

Dutton-Lainson Company
 www.dlco.com
 Tel: 800-569-6577
 Fax: 402-460-4612
 e-mail: DLsales@dutton-lainson.com

In Europe Contact

Eurowarehouse BV
 De Amstel 11
 8253PC Dronten
 The Netherlands
 Tel: +31(0) 321-337349
 Email:
 info@eurowarehouse.nl

⚠ 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.

⚠ IMPORTANT SAFETY INFORMATION

- This winch is built for multi-purpose hauling and pulling operations. It is not recommended for lifting applications. For lifting, use a self-locking winch. DL winches are not to be used as hoists 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.
- Maintain a firm grip on the winch handle at all times, and never release the handle when ratchet lever is in unlocked position with a load on the winch. Otherwise, handle will spin violently, which could cause personal injury.
- Check for proper ratchet operation on each use of the winch. Do not use if damaged. Seek immediate repairs.
- Never use the winch handle as a convenient handle for pulling or maneuvering the entire trailer or other equipment. Never pull on the winch handle against a locked ratchet.
- Never exceed rated capacity. Excess load may cause premature failure and could result in serious personal injury. This winch is rated with three layers of line on the hub. Using more layers of line or a large hub increases the load on the winch.
- Never apply load on winch with cable or rope fully extended. Keep at least three full turns of cable or rope 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.

WINCH MOUNTING AND CABLE ATTACHMENT

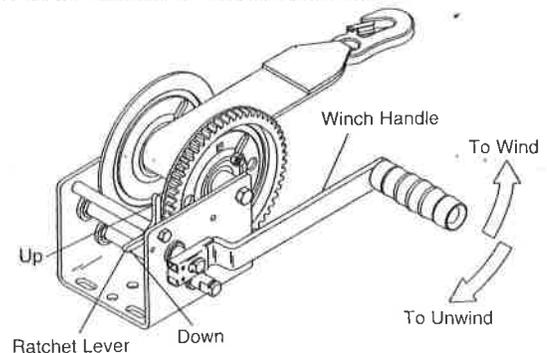
– For maximum strength and safety, (and compliance with SAE Standard J1853) this winch should be mounted with three 3/8" for M10 bolts, washers, and lock washers. (Use grade 5 or 8 for DL2500A, 2500AB, DL3200A & 3200AB). See parts drawing.

Select a winch line with breaking strength at least 1-1/2 times the winch rating and a hook 1-1/2 times stronger than the line. If steel cable

is selected, the optional reel with large hub may extend cable life. (The above combination meets SAE Standard J1853 for boat trailer winches).

Attach cable or rope by either method described in sketch. If nylon strap is used, it should have a loop sewn in one end and be attached using a 3/8" x 3-1/4" long bolt and locknut. Use a locknut, not a nut and lockwasher. Insert bolt through slots in both reel sideplates so that nut is on gear side. Tighten only until snug with bolt in bottom of slot next to reel hub.

OPERATING INSTRUCTIONS – Attach winch handle securely to primary drive shaft (upper or low speed shaft). Make sure that handle clip engages with groove in drive shaft. Wind line on winch reel by turning winch handle in counterclockwise direction with ratchet lever in "down" position. The ratchet should produce a loud, sharp, clicking noise. Make sure that ratchet lever is in "down" position and holding load before winch handle is released. To unwind or reel out line, securely grip winch handle and apply force in counterclockwise direction so that ratchet lever can easily be moved to "up" position. Carefully turn handle in clockwise direction. Do not lose control. If handle is attached to intermediate (lower or high speed) shaft, operate as described above, reversing clockwise and counterclockwise. The winch can be converted to wind line on to the underside of the reel. To do this, carefully examine ratchet assembly and remove it from winch. Do not



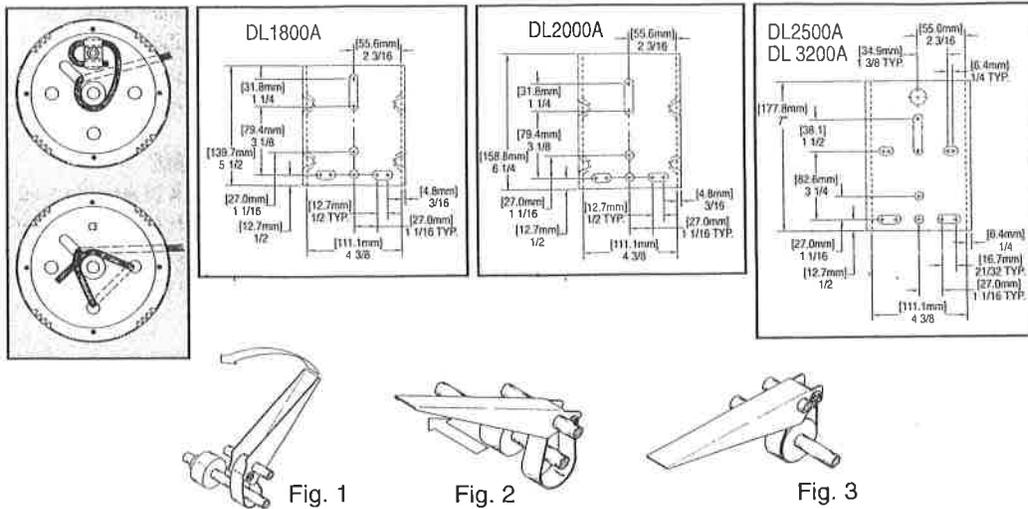
lose small parts. Turn the lever over and reassemble. Do not over tighten bolt. Check operation to insure the ratchet lever rotates fully without binding.

WINCH MAINTENANCE – This winch has been fully lubricated at the factory; but, for continued smooth performance and increased life, occasional greasing of gears and reel shaft and an occasional

drop of oil on drive shaft bearings are recommended. 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



ENGLISH – For Brake Equipped Winches: Initial Use

NOTE: The hand brake has been shipped in a retracted position to eliminate the possibility of damage during shipping. It may be quickly positioned for operation as follows:

1. Rotate the brake handle back from the forward position in FIG. 1 to the nearly horizontal position in FIG. 2.
2. Slide the brake assembly sideways until the band can be guided around the drum. The band should not overhang the drum on either side.
3. Lock the handle in place by pushing it down to the fully horizontal position in FIG. 3. The brake assembly will now stay in place and is ready to use.

DEUTSCH – Mit Bremse ausgerüstete Winden: Inbetriebnahme

HINWEIS: Die Handbremse wird in zurückgezogener Stellung versandt, um Schäden während des Transports zu vermeiden. Sie kann auf folgende Weise problemlos in die Betriebsstellung gebracht werden:

1. Den Bremsengriff von der Vorwärtsstellung in ABB. 1 in die fast horizontale Stellung in ABB. 2 drehen.
2. Die Bremseneinheit seitlich schieben, bis das Band um die Trommel herum geführt werden kann. Das Band darf nicht über die Kanten der Trommel herausragen.
3. Den Griff in Stellung arretieren, indem er ganz in die horizontale Stellung (ABB. 3) gedrückt wird. Die Bremseneinheit bleibt jetzt in Stellung und ist betriebsbereit.

ITALIANO – Verricelli con freno: approntamento del freno all'uso

NOTA: Il freno a mano viene spedito in posizione retratta per impedire il danneggiamento durante il trasporto. Approntare il freno per l'uso nel modo seguente:

1. Ruotare la manovella del freno verso il retro portandola dalla posizione illustrata nella FIG. 1 alla posizione quasi orizzontale illustrata nella FIG. 2.
2. Far scorrere il gruppo del freno lateralmente fino a quando è possibile avvolgere il nastro intorno al tamburo. Accertarsi che il nastro non sporga dai lati del tamburo.
3. Bloccare la manovella in posizione spingendola verso il basso fino a raggiungere la posizione orizzontale illustrata nella FIG. 3. Il gruppo del freno è ora in posizione ed è pronto all'uso.

PORTUGUÊS – Para Guinchos Equipados com Travão - Uso Inicial

NOTA: O guincho manual é entregue em uma posição retralada para evitar a possibilidade de danos durante o transporte. Ele pode ser posicionado rapidamente para operação da seguinte forma:

1. Gire a alavanca do travão da posição para frente mostrada na FIG. 1 até a posição quase horizontal mostrada na FIG. 2.
2. Deslize o conjunto do travão lateralmente até que a faixa possa ser guiada em torno do tambor. A faixa não deve sobressair de nenhum dos lados.
3. Trave a alavanca no lugar empurrando-a para baixo até a posição completamente horizontal mostrada na FIG. 3. O conjunto do travão está posicionado e pronto para ser usado.

ESPAÑOL – Para los cabrestantes que tienen frenos: Uso Inicial

NOTA: El freno de mano ha sido embalado en la posición de retracción para evitar la posibilidad de daños durante el envío. Para ponerlo en funcionamiento, puede colocarse rápidamente en posición de la siguiente manera:

1. La manivela del freno está en la posición delantera como se muestra en la FIG. 1, gírela hacia atrás hasta que esté casi totalmente en posición horizontal como se muestra en la FIG. 2.
2. Deslice el mecanismo de frenos lateralmente hasta que pueda guiar la banda y colocarla alrededor del tambor. La banda no deberá sobressalir del tambor en cualquiera de sus lados.
3. Asegure la posición de la manivela empujándola hasta que esté en posición totalmente horizontal como se muestra en la FIG. 3. El mecanismo de frenos ahora permanecerá en posición y está listo para ponerse en uso.

SVENSKA – Vinschar utrustade med broms: Första användningen

ANMÄRKNING: Handbromsen levereras i tillbakadraget läge för att eliminera risken för skada under transport. Den kan snabbt ställas in för användning på följande sätt:

1. Vrid tillbaka bromshandtaget från framåt-positionen i FIG. 1 till den nästan horisontella positionen i FIG. 2.
2. För bromsenheten på sidan tills bandet kan ledas runt trumman. Bandet ska inte hänga över trumman på någon av sidorna.
3. Lås fast handtaget genom att trycka ner det till den helt horisontella positionen i FIG. 3. Bromsenheten sitter nu fast och är färdig för användning.

DANSK – Til spil udstyret med bremse: Første brug

BEMÆRK: Ved forsendelsen er håndbromsen i tilbagetrækket stilling for at undgå risikoen for at beskadige den under transporten. Den kan hurtigt anbringes i arbejdsstilling på følgende måde:

1. Drej bremsehåndtaget tilbage fra fremadstillingen, der er vist i FIG. 1, til den næsten vandrette stilling, der er vist i FIG. 2.
2. Lad bremsen glide til siden, indtil båndet kan føres omkring tromlen. Båndet bør ikke hænge ud over tromlen i nogen af siderne.
3. Lås håndtaget på plads ved at trykke det ned i den helt vandrette stilling, der er vist i FIG. 3. Bremsen vil nu forblive på plads og er klar til brug.

SUOMI – Jarrulla varustetut vintturit: Ensimmäinen käyttö

HUOMI: Käsijarru on lähetetty takaisinvedetyssä asennossa, jotta se ei vahingoittuisi kuljetuksen aikana. Se voidaan saada toimimaan nopeasti seuraavalla tavalla:

1. Kierrä jarruvipu takaisin eteenpäin-asennosta (KUV. 1) melkein vaakasuoraan asentoon (KUV. 2).
2. Liu'uta jarruasennelmaa sivuttain kunnes jarruhihna voidaan ohjata rummun ympäri. Hihnan ei pidä riippua rummun yli kummallakaan puolella.
3. Lukitse kampi paikalleen painamalla se alas täysin vaakasuoraan asentoon kuten KUV. 3. Jarruasennelma pysyy nyt paikallaan ja se on valmis käyttöön.

NORSK – For vinsjer med bremse: innledende bruk

NB: håndbromsen sendes i inntrukket stilling for å hindre faren for skade under forsendelsen. Den settes rask i arbeidsstilling slik:

1. Drei bremsehåndtaket tilbake fra fremre stilling, FIG. 1, til nesten vannrett stilling, FIG. 2.
2. Skyv bremseenheten sideveis til båndet kan føres rundt trommelen. Båndet må ikke henge ut over trommelen på noen side.
3. Lås håndtaket på plass ved å skyve det helt ned i vannrett stilling, FIG. 3. Bremseenheten sitter nå på plass, klar til bruk.

NEDERLANDS – Voor met een rem uitgeruste lieren: eerste gebruik

OPMERKING: De handrem is in de ingetrokken stand verzonden om beschadiging tijdens het vervoer te voorkomen. Hij kan als volgt snel voor bedrijf worden opgesteld:

1. Draai de remkruk vanuit de voorwaartse stand in AFB. 1 terug naar de bijna horizontale stand in AFB. 2.
2. Schuif de remeenheid opzij tot de band om de trommel kan worden geleid. De band mag aan geen van beide kanten over de trommel hangen.
3. Vergrendel de kruk op zijn plaats door hem omlaag te drukken tot de volledig horizontale stand zoals in AFB. 3. De remeenheid blijft nu op zijn plaats en is klaar voor gebruik.

FRANÇAIS – Pour les treuils pourvus de frein : Utilisation initiale

REMARQUE : Le frein à main a été expédié en position rétractée pour éliminer la possibilité de dommages durant l'expédition. Il peut être positionné rapidement pour le fonctionnement comme suit :

1. Tourner la poignée du frein depuis la position avant, comme illustré à la FIG. 1, vers la position quasi-horizontale, comme illustré à la FIG. 2.
2. Faire glisser l'ensemble de frein latéralement jusqu'à ce que la bande puisse être guidée autour du tambour. La bande ne doit pas être en porte-à-faux au-dessus du tambour d'un côté comme de l'autre.
3. Bloquer la poignée en place en la poussant vers le bas jusqu'à la position pleinement horizontale, comme illustré à la FIG. 3. L'ensemble de frein restera maintenant en place et est prêt à usage.

ΕΛΛΗΝΙΚΑ – Για βαρούλκα εξοπλισμένα με φρένο: Αρχική χρήση

ΣΗΜΕΙΩΣΗ: Το χειρόφρενο αποστέλλεται σε αποσυρμένη θέση για να ελαχιστοποιηθεί το ενδεχόμενο ζημιάς κατά τη μεταφορά. Για τη γρήγορη επαναφορά του σε θέση λειτουργίας πρέπει να:

1. Περιστρέψετε τη λαβή του φρένου από την μπροστινή θέση της ΕΙΚ. 1 στη σχεδόν οριζόντια θέση της ΕΙΚ. 2.
2. Μετακινήστε πλευρικά τη μονάδα φρένου έως ότου ο μόντας να πιεστεί γύρω από το τύμπανο. Ο μόντας δεν πρέπει να προεξέχει από καμία πλευρά του τυμπάνου.
3. Αρραβώστε τη λαβή στη θέση αυτή πιέζοντάς την προς τα κάτω μέχρι την εντελώς οριζόντια θέση της ΕΙΚ. 3. Η μονάδα φρένου θα παραμείνει στη θέση της και είναι έτοιμη προς χρήση.



60 Industrial Park Rd

Vernon, CT 06066

800-631-4791

Logrite.com

info@logrite.com

Warranty Statement for Log Arches

LogRite Tools believes that log arches of our manufacture are of quality construction and superior design. We urge our customer to closely inspect their purchases immediately upon receipt. If anything is not satisfactory, it will be immediately repaired or replaced at our cost and decision.

If during the course of use, any of our products fail structurally or fails to perform the tasks it is designed for and represented as, LogRite Tools will do everything to make the product perform as intended.

If during the course of use, the product is not performing as represented, LogRite Tools invites the owner to call our toll free line for a discussion of uses and techniques, including how to use the products in order to achieve satisfactory results.

This warranty is intended for the original owner and for the period of 2 years. With correct use and maintenance LogRite products will provide a lifetime of use.

This warranty does not imply any liability to the uses of the products, which are at the discretion of the owner.

If there are any questions as to the extent or applicability of this warranty, please call immediately to resolve these questions.

ATTENTION



Bluecreeper is an extraordinary penetrating lubricant. We have included a bottle with your arch manual for you to use to maintain your winch or wheel bearings on the Junior Arch.

We encourage you to use it in your garage or shop or around the house. Use it to loosen stuck parts or tools in the garage or workshop. Works great around the house to stop squeaks, lubricate hinges, doorknobs and locks.

With its needle applicator a small drop goes exactly where needed eliminating waste and mess.

Available at www.bluecreeper.com or follow the link from the Logrite website.

Shipping is expensive so if you like it, please ask your local retailers to carry it.