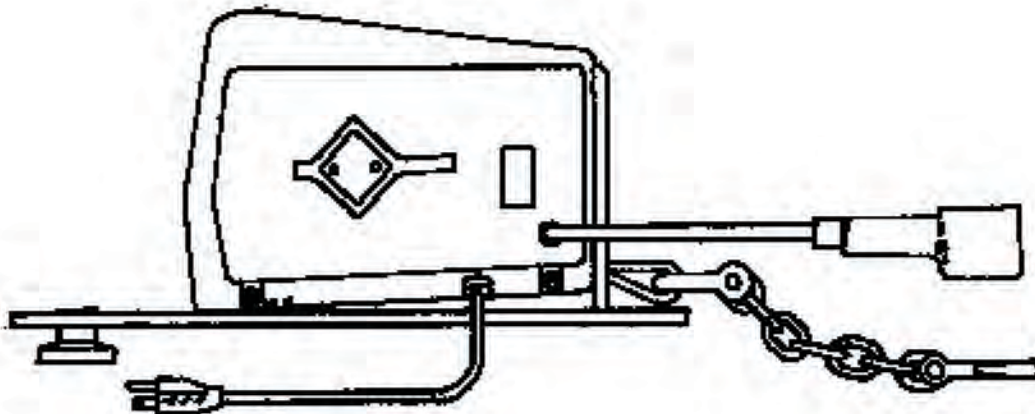


Chief Winch



USERS MANUAL

CHIEFTM
automotive technologies



CHIEF'S LIMITED ONE-YEAR WARRANTY & LIABILITY

Chief Automotive Technologies, Inc. warrants for one year from date of installation and/or purchase any of its products which do not perform satisfactorily due to defect caused by faulty material or workmanship. Chief's obligation under this warranty is limited to the repair or replacement of products which are defective and which have not been misused, carelessly handled, or defaced by repair or repairs made or attempted by others.

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Figure 1

This owners manual is designed to assist operators with the safe and efficient use of the Chief Winch. (See Figure 1.) When positioned correctly on Chief repair systems, the winch allows operators to safely load and unload disabled vehicles.

This manual identifies only the basic winch usage procedures. For additional information on winch usage as well as information on loading vehicles with locked wheels or missing drivetrains, contact the Chief Training Department.

When installing the winch, identify the repair system to which it will be installed and follow the appropriate installation procedure. Then, after correctly installing the winch on the repair system, follow the basic usage procedures.

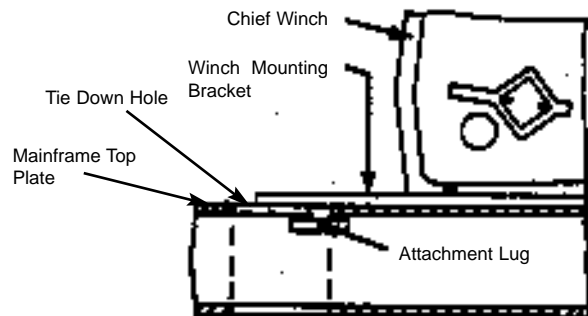


Figure 2

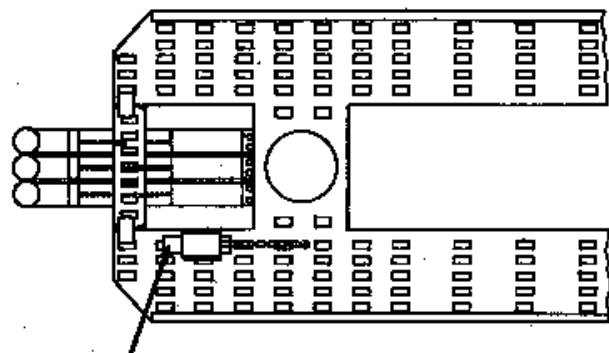
INSTALLATION

EZ Liner Installation

Position winch on mainframe and engage its attachment lug within one of the rectangular tie down holes. (See Figure 2.) Position the winch as far forward and inboard as possible. (See Figure 3.)

CAUTION:

1. Winch attachment lug must fit under top plate of mainframe as shown in Figure 2.
2. DO NOT install winch on movable crossmembers.



Winch must be positioned as far forward and inboard as possible and attachment lug must be engaged in tie down hole. (See Figure 2.)

Figure 3

G Series Installation

Install winch mounting bracket on front crossmember of machine. (See Figure 4.) Push bracket firmly against vertical surface of crossmember making sure bracket's arm extends onto top surface of adjacent crossmember.

Position winch on mounting bracket making sure its attachment lug fits within circular hole on mounting bracket. (See Figure 5.)

CAUTION: Attachment lug must fit under top plate of mounting bracket.



Figure 4



Figure 5

BASIC USAGE

Winching Vehicle Onto Machine

1. After mounting winch on mainframe, lower mainframe as per instructions for repair system being used.

IMPORTANT: On EZ Liner and G Series systems, loading ramps must be installed prior to lowering.

2. Position vehicle at lowered end of mainframe centering it in relation to the machine. If damage prohibits movement of vehicle's wheel, install dead vehicle dolly. (See Figure 6.) Make sure the dolly's rollers align with machine treadways.

CAUTION: Install dead vehicle dolly before moving vehicle onto mainframe. Use floor jack with 4 ton or greater lift capacity.



Figure 6



3. Release clutch ("free wheel" position) on winch and pull cable out desired amount.

4. Secure chain to lower control arm on vehicle. (See Figure 8.) If lower control arm is removed or badly damaged, attach chain to vehicle's lower structure.

CAUTION: Winch chain must be attached as shown in Figure 7 Inset or else it can become disengaged if there is a momentary slack in cable and chain.

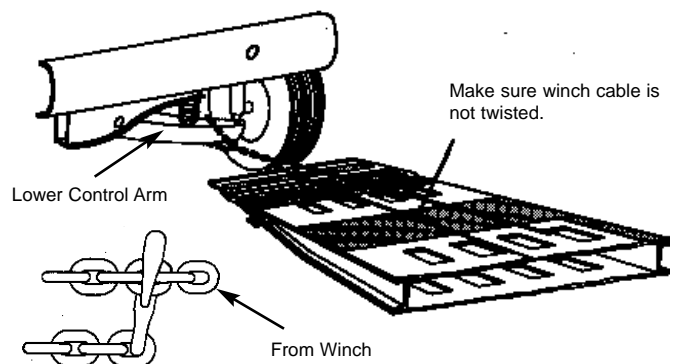


Figure 7

5. Remove any cable that is not level and tightly wound to the winch reel and engage the clutch ('engaged gears' position) while holding cable tightly.

CAUTION: Wear leather gloves when handling cable.



6. Press 'in' button on hand control and exert pressure on cable until it is taut. The cable will level wind itself.

IMPORTANT: For maximum safety and cable life, make sure all loose cable is removed from winch reel before rewinding.

7. Winch vehicle up the mainframe. When rear wheels are far enough onto mainframe to allow installation of blocking, stop the winch.

CAUTION: DO NOT stand close to, or in line with cable while pressure is applied to the system.

IMPORTANT: On EZ Liner and G Series systems, wheels must be far enough onto machine to allow the installation of blocking.



8. Block vehicle's rear wheels using 4 x 4 wood blocks.

CAUTION: DO NOT walk behind a lowered machine that has a vehicle aboard. Install blocking from sides of machine.

IMPORTANT: On EZ Extra 25 machines, block in front of and behind rear wheels.



9. Lift machine to its fully raised position.

10. Close lift ram from use.

NOTE: On EZ Liner systems, close lift valve. On G Series systems, detach foot pump's hydraulic hose from lift ram's hydraulic hose.

11. Winch vehicle forward to desired location. Then block vehicle's wheels using 4 x 4 wood blocks and remove winch cable from lower control arm.

IMPORTANT: Install blocking to prevent both forward and rearward movement.

12. Rewind cable onto winch reel and remove winch from machine.

Winching Vehicle Off Machine

1. Install winch on the repair system. See Installation Instructions, Pages 1 and 2.

2. Attach winch cable to vehicle's lower control arm. See Winching Vehicle Onto Machine, Steps 2-6, Pages 2 and 3.

3. Position 4 x 4 wood blocks behind both rear wheels.
IMPORTANT: On EZ Extra 25 machines, block in front of and behind rear wheels.

4. Prepare machine for lowering as per each system's lowering instructions.

IMPORTANT: On EZ Liner and G Series systems, preparations include installation of loading ramps at rear of machine.

5. Lower rear of machine to the floor and remove the 4 x 4 wood blocks.



CAUTION: DO NOT walk behind a lowered machine that has a vehicle aboard. Remove blocking from sides of machine.

6. Press 'out' button on hand control to winch vehicle off machine.



CAUTION: DO NOT stand close to, or in line with cable while pressure is applied to the system.

7. When vehicle is completely off machine, remove winch cable from vehicle's lower control arm.

8. Rewind cable by pressing 'in' button on hand control.

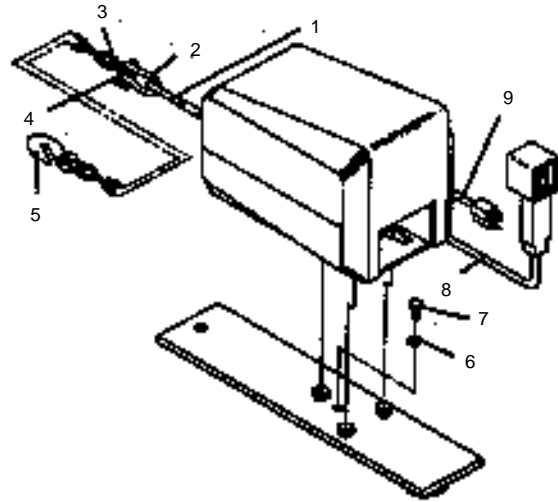
IMPORTANT: Hold cable taut while rewinding it onto winch reel.

PARTS INFORMATION

To order replacement parts for the Chief Winch, contact Chief Automotive Technologies, Inc., 800-445-9262. (If outside the United States, contact your nearest Chief Automotive Technologies, Inc. representative.)

When contacting Chief Automotive Technologies, Inc. by telephone or mail, provide the following information: name, name of shop, shop telephone number, and shop address. Additional information needed when ordering: description of part(s) and part number(s).

NOTE: Chief reserves the right to alter product specifications and/or package components without notice.



Ref.	Part No.	Description
	692924	Electric Winch, complete (Includes Winch Cable; Winch Remote Switch; Power Cord)
1	676174	Winch Cable
2	704980	Shackle
3	704964	Bolt, 7/16 x 1 3/4
4	704948	Washer, 7/16
5	603320	Safety Chain With Hook
6	629837	Lock Washer, 3/8
7	692588	Bolt, 3/8-16NC x 3/4 Lg., Gr. 5, Pl.
8	620699	Winch Remote Switch
9	620859	Power Cord
		Optional Accessory
	610706	Dead Vehicle Dolly



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