



**WINCH REEL ASSEMBLY SHOWING ATTACHMENT OF STEEL CABLE WITH SHELBY CABLE KEEPER ASSEMBLY.**

Do not remove reel assembly from winch to install cable. Place cable keeper plate (indented slot away from cable) over cable, thread nuts and washers through the cable keeper end of cable from cable keeper plate should be a minimum of one inch for maximum safety.

4. The cable and rope anchoring methods employed with these winches depends upon friction developed by 4 to 6 wraps which must remain around the drum. Therefore the winch must never be used to lift or pull a load without 4 to 6 wrappings of cable or rope around the drum to provide a proper anchor.

**INSPECTION & MAINTENANCE:**

5. Winch gears, ratchet mechanism and rotating shafts must be clean and lubricated to insure proper and safe operation.  
6. Winch components can be affected by chemicals, salts, and rust and should be examined for unsafe conditions before operating.  
7. Do not alter the mechanics of the winch (example, do not add to the handle length to make easier lifting).

**LOAD CAPACITY:**

8. Do not use this winch and/or accessories to lift more than rated load. Age, dirt, wear and improper maintenance will reduce load ratings. Do not continue operation of equipment damaged by overloading. When more force is applied to the handle than one man can crank with one hand, you are likely exceeding the design capacity. Therefore, you need to secure your requirements and use a larger capacity winch. Application of excess handle pressure may cause an unsafe condition.  
9. Never use two or more winch units to lift a load that is greater than the rated load of one winch unit. A starting load may place the entire load on one unit causing failure and accident.  
10. Apply the load evenly, do not jerk or bounce the load or allow the cable to whip, and do not use shock loads. This type of operation requires equipment with higher load rating.  
11. Never exceed the load rating of the smallest component (i.e. winch, rope, cable derrick or sling, etc.) in the system.

**OPERATOR:**

12. Remain constantly aware that safe operating is your responsibility.  
13. 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.  
14. Before operating, check for cracks, breaks, distortions, deformed parts, improper adjustments, loose parts or other unsafe conditions within all components. Discontinue use if unsafe conditions are identified.  
15. Never leave a suspended load unattended.  
16. Never walk or work under a load suspended by this winch unit.  
17. Keep hands away from load bearing cables, ropes, sheaves, drums and pulleys while operating.  
18. Do not operate winch with kinked or knotted rope or cable. Make sure that it is properly aligned on drum.  
19. Avoid sudden acceleration or deceleration of load.  
20. Each time a load is to be lifted, test winch by lifting a few inches first.  
21. Remove and store handle when leaving equipment unattended where the handle or other unauthorized persons, such as tenting tent tensioning applications.  
22. Boat trailers not equipped with keel and side hull rollers are designed to be submerged in the water when the boat is loaded. The boat should be "rigged" onto the trailer. If the trailer is not submerged, attempts to "drag" the boat onto this type of trailer can cause winch failure and possible injury.

For information or assistance regarding this product, contact your dealer or write to:

Customer Service Manager  
P.O. Box 308, Shelbyville, KY 40066-0308

**Maintenance and Operating Instructions**  
**WARNING**  
**READ BEFORE OPERATING WINCH**  
This equipment should not be installed, operated or maintained by any individual who has not read all the contents of this operator's instruction card. **FAILURE TO READ AND APPLY THE INSTRUCTIONS CONTAINED IN THIS WARNING CAN RESULT IN SUDDEN FAILURE OF EQUIPMENT, PROPERTY DAMAGE AND SERIOUS INJURY.**

**CAUTION:**  
\*WINCHES ARE NOT DESIGNED TO SECURE BOATS TO TRAILERS WHILE TOWING. BOAT TIE DOWNS SHOULD BE USED.  
\*CAPACITY RATING IS THE MAXIMUM LINE TENSION THE WINCH CAN WITHSTAND WITH ONE LAYER OF LINE AROUND THE DRUM. CAPACITY DECREASES AS LINE BUILDS UP ON DRUM.  
\*ALL WINCHES SHOULD BE FASTENED TO THE MOUNTING PLATES WITH 3/8" DIAMETER BOLTS AND NUTS.  
\*WINCHES WITH DIMENSIONS GREATER THAN 8 IN. BETWEEN FRAME SIDES AND 1400 LB. CAPACITY SHOULD BE BOLTED TO THE MOUNTING PLATE AT A MINIMUM OF 3 POINTS FOR MAXIMUM TORSIONAL STRENGTH. BOLTS SHOULD PASS THROUGH THE WINCH BASE AS CLOSE TO FRAME SIDES AS PRACTICAL. (Fig.1)

FIG. 1



UP TO 1400 LBS.

OVER 1400 LBS.

\*THIS WINCH IS NOT TO BE USED FOR THE HOISTING OF PERSONS OR FOR HOISTING LOADS OVER PEOPLE-OCCUPIED AREAS. THEY ARE INTENDED FOR TRANSFER AND HAULLING OF DEAD LOADS ONLY.

**INSTALLATION:**

1. No person shall operate the winch unless he has received thorough instructions for its safe use from a qualified person or one who has read the instructions and warning contained on this card completely.
2. Check first to make certain entire lifting or pulling structure is sound and capable of withstanding desired loads including shock loads.
3. Obtain cable and rope manufacturer's recommendation for size and type. Use proper and connection for attaching the hook to the cable or rope.

Most common knots are not satisfactory for tying synthetic fiber winch ropes to winch hooks. Under load they tend to either slip or cut fibers. Winch ropes should either be spliced to the hook or tied with the knot illustrated. (Fig.2)

FIG. 2



LOOP

SMALL ROPE OR CABLE

CABLE OR ROPE

PULL TO TIGHTEN


Attach line to winch by one of the following methods, according to style of winch. Some cable applications will require the use of optional accessory cable keeper.

LARGE ROPE

CABLE KEEPERS ARE SUPPLIED ONLY ON 2000 AND 3200 LB. CAPACITY WINCHES.

REVISION HISTORY					
ECN#	DATE	REV	DESCRIPTION	DRN	CKD
----	11-04-04	1	REDRAWN IN INVENTOR	CTD	DB

SIZE: 3.125" Wide X 8.313" Long  
COLOR: Red with Black Lettering

MATERIAL CODE	BUYOUT	
PCS/BAR	CAL WT.	LBS
MAT'L REQ'D	LBS/PC	FIN WT. LBS
DRAWN LS	TOLERANCE UNLESS OTHERWISE NOTED	
DATE	DECIMAL ±	
3-04-97	Inches / Metric	
CHECKED	.XX ± .100 / 2.54	
	.XX ± .030 / .76	
	.XXX ± .015 / .38	
	ANGULAR ± 1 -0'	
 <b>Shelbyville, Kentucky</b>		
TITLE		
WINCH TAG		
SIZE	DWG NO	
B	1650-00	
SCALE	SHEET 1 OF 1	