

OPERATING INSTRUCTIONS

This winch is of a general purpose design for MANUAL operation only and the load rating is based on an intermittent duty cycle.

When cranking counter-clockwise, this winch incorporates a mechanical brake by-pass system that winds cable off the drum when the load is very light. The brake will reset when the load is increased. When facing the crank handle side of the winch, crank clockwise to lift or move the load, and counter-clockwise to lower the load. The brake is actuated by turning the handle. The load-lok brake is designed to hold the load whenever the handle is released. NEVER release the crank handle unless the ratchet pawl is full engaged and supporting the load.

Make sure the cable is securely fastened to the object being moved or lifted AND to the winch drum. Always make sure that the cable and cable attachments are not damaged or worn. Assume that there is adequate safety factor for all components used and that they are strong enough for the load.

- 1) To pull cable in or raise the load, refer to the "Load-Unload" decal on side of winch. Crank the handle clockwise to move or lift the load, MAKING SURE the clicking sound of the ratchet is heard.
- 2) To let cable out or lower load, refer to the "Load-Unload" decal on side of winch. Crank the handle counter-clockwise. No clicking sound will be heard because the load-lok braking system is now activated.

MAINTENANCE

Do not get oil or grease on friction disks. This could allow the load to slip or fall.

- 1) Apply automotive-type grease to the teeth of both the pinion (Item #18) and drum gear (Item #20), and to the O.D. of the drum bearing (Item #23). Maintain a light film of grease on these areas at all times.
- 2) Keep the ratchet pawl (Item #8) pivot, bushings (Item #15), and pinion (Item #18) threads lubricated with automotive engine oil at all times.
- 3) Before each use, check brake friction disks (Item #11) for wear. If less than 1/16" thick, cracked or broken, replace them IMMEDIATELY.
- 4) During each use, check for proper ratchet pawl operation as follows: When cranking cable in, a ratchet clicking sound should be heard. When cranking cable out, there is no clicking AND the ratchet pawl must be fully engaged into the gear teeth.

HOW TO ORDER PARTS

Always replace broken, bent or worn parts before using this product. Use only Fulton Performance Products' parts or parts of equal quality for repair. Replacement parts are available through Fulton Performance Products' Customer Service Department, 715-693-1700. Please specify product model number, name of parts, and part number.

LIMITED WARRANTY

Fulton products are warranted to the original consumer purchaser to be free from defects in material and workmanship under normal use and service, ordinary wear and tear excepted, for a period of three (3) years from date of purchase as shown on customer's receipt. This warranty shall not apply to any defects caused by: (I) physical abuse of goods or any component or acts of vandalism by any persons other than Fulton, it's employees, agents, or subcontractors; (II) alterations, modifications, additions, or repairs made during the applicable warranty period by anyone other than Fulton employees, agents or subcontractors; (III) improper installation or use contrary to Fulton's instruction; or (IV) accidents or damage resulting from fire, water, wind, hail, lightning, electrical surge or failure, earthquake, theft or similar causes not caused or contributed to by the negligence of Fulton or it's employees, agents, or subcontractors.

FULTON
Performance Products, Inc.

50 Indianhead Dr., P.O. Box 8 Mosinee, WI 54455-0008
715/693-1700 Fax 715/693-1799
www.fultonperformance.com
fulton@fultonperformance.com

FULTON

Substitute
For 34351

Performance Products

K1550/KX1550 Standard Work Winch Owner's Manual

WARNING

- Read and understand all instructions before installing and using product. NEVER allow anyone unfamiliar with the operating instructions to use this product.
- Installation of these Fulton winches must conform to the following mounting instructions only.
- This winch IS NOT designed to be a human hoist. NEVER allow anyone to be positioned on or under the load being lifted or moved.
- Never exceed the maximum rated capacity.
- Always maintain a minimum of three complete wraps of cable on the drum.
- When moving or lifting a load you must crank clockwise when looking at the handle side of the winch.
- Never use worn, kinked, or frayed cable. Replace the cable immediately.
- Be sure that the cable on the winch is strong enough to support the load to be moved.
- Always inspect the cable and hook before each use to make sure that they are not damaged. If the cable or hook breaks, the cable will whip violently and can inflict serious injury and/or property damage.
- Never release the crank handle unless the ratchet pawl is fully engaged and the load is supported.
- Never operate with wet or oily hands and always maintain a firm grip on the winch handle.
- Never leave a weight hanging by the winch while the winch is unattended, as an unauthorized person may attempt to operate the winch, thereby creating an unsafe condition.
- This winch is designed for manual operation only.
- Do not get oil or grease on friction disks, Item #11. This could allow the load to slip or fall.
- Failure to follow these warnings and instructions may result in property damage and/or serious bodily injury.

TECHNICAL SPECIFICATIONS

Load Capacity - First layer = 1500 lbs. Max (6.7 kN)

Load Capacity - Top Layer = 700 lbs. Max (3.1 kN)

Cable 1/4" Diameter 7 x 19 Aircraft (6mm)

5.1:1 Gear Ratio, Max. Mechanical Advantage 41:1

Automatic load holding brake system

MOUNTING INSTRUCTIONS

1) See Figure 1. Assemble handle onto flattened input shaft end. Tighten the 1/2-13 locknut (Item #19) against handle. NOTE: Do not remove the double locknuts (Item #13) on long end of input shaft. They are an important part of the load-lok braking system and must be intact.

2) When bolting the winch down, use at LEAST grade five 3/8" diameter bolts, flat washers, and locknuts (not supplied).

Bolt or weld the winch to a structure capable of supporting at least five times the load the winch will be pulling. NOTE: Never exceed the rated capacity of the winch. Always use the outer slots at the end opposite the direction of line pull. Use a large flat washer if using the center slot at opposite end.

3) When installing the cable onto the drum, feed the cable over the top of the drum, through hole, and through the cable clamp with one inch of cable extending past the clamp.

4) With keeper nuts and lockwashers outside the drum side, tighten nuts until adequate cable clamping is acquired. NOTE: Always be sure that the cable is pulling straight off the winch. This will help prevent the cable from rubbing against the sides of the drum, which can wear and cause damage to the cable.

SERVICE PARTS AND ACCESSORIES

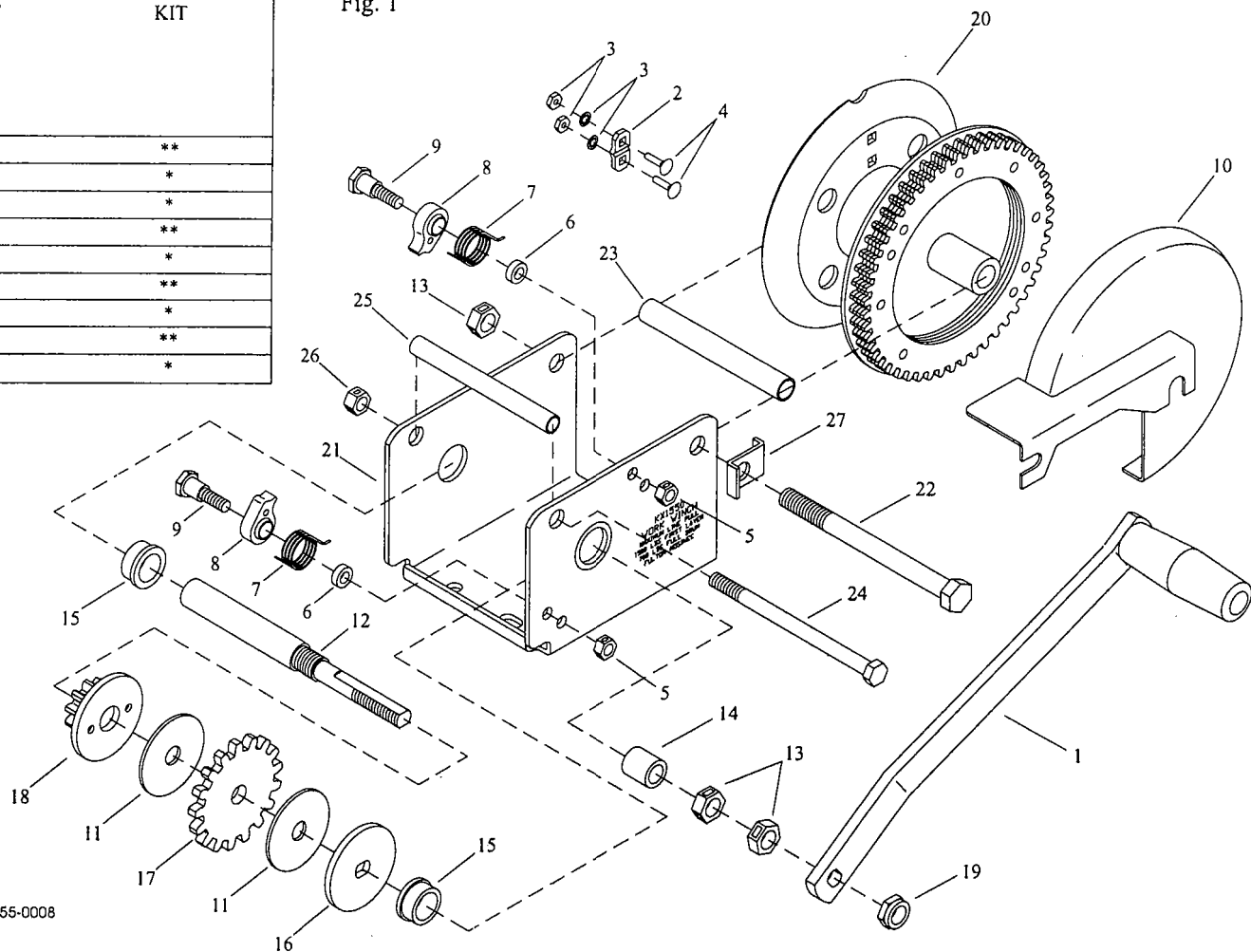
ITEM	DESCRIPTION	QUANTITY	K1550	KX1550
1	HANDLE ASSEMBLY	1	2461S01	2461S01
2	CABLE CLAMP	1	5621-01	5621-01
3	LOCKWASHER & NUT	2	CABLE KEEPER	CABLE KEEPER
4	CARRIAGE BOLT	2	KIT	KIT
5	LOCKNUT - 5/16-18	1	6730S00	6730S00
6	RATCHET SPACER	1	RATCHET	RATCHET
7	RATCHET SPRING	1	KIT	KIT
8	RATCHET PAWL	1		(2 REQUIRED)
9	SHOULDER BOLT - 5/16-18	1		
10	COVER ASSEMBLY	1	N/A	12124S01
11	FRICTION DISK KIT	2	1588S00	1558S00
12	INPUT SHAFT	1	1563S01	1564S01
13	LOCKNUT - 1/2-13	2	INPUT SHAFT	INPUT SHAFT
14	SPACER	1	KIT	KIT
15	BUSHING	2		
16	SHAFT BRAKE DISC	1		
17	RATCHET GEAR	1		
18	PINION & DISC ASSEMBLY	1		
19	LOCKNUT - 1/2-13	1	**	**
20	DRUM ASSEMBLY	1	*	*
21	FRAME	1	*	*
22	CAPSCREW - 1/2-13	1	**	**
23	DRUM SPACER	1	*	*
24	CAPSCREW - 3/8-16	1	**	**
25	FRAME SPACER	1	*	*
26	LOCKNUT - 3/8-16	1	**	**
27	BOLT LOCK	1	*	*

* Not Sold Separately

** Standard Hardware - May Be Purchased Locally

When repairing the winch, mark all parts in the order of disassembly to insure proper reassembly.

Fig. 1



FULTON
Performance Products, Inc.

50 Indianhead Dr., P.O. Box 8 Mosinee, WI 54455-0008
715/693-1700 Fax 715/693-1799
www.fultonperformance.com
fulton@fultonperformance.com