

# **K** **KEEPER**<sup>®</sup> PERFORMANCE ENGINEERED<sup>®</sup> **WINCHES**



\*Mounting plate not included.

## **Assembly & Operating Instructions** **KX9.5E, KX9.5ES & KX9.5EH**

**9,500 lbs 12V DC Electric Winch**



**CAUTION!**



**READ AND UNDERSTAND THIS MANUAL BEFORE INSTALLATION  
AND OPERATION OF THIS PRODUCT.**

**DO NOT RETURN THIS PRODUCT TO SELLER. CALL  
KEEPER WINCH AT 800-533-7372 FOR ASSISTANCE**



50 Icon, Foothill Ranch, CA 92610  
www.keeperwinches.com • www.keeperproducts.com  
1-800-533-7372  
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999-09025\_KX9500E-KX9500ES-KX9500EH\_OM\_REVA

## **KX9.5E, KX9.5ES, KX9.5EH 9500 lb 12V DC Electric Winch**

Designed for Utility Recovery, and General Utility Winching Applications.

**THIS PRODUCT IS NOT INTENDED FOR LIFTING/HOISTING**

### **Safety Precautions**

#### **⚠ CAUTION ⚠**

**PLEASE READ ALL SAFETY PRECAUTIONS AND WARNINGS BEFORE INSTALLING AND USING THE WINCH! IF YOU HAVE QUESTIONS PLEASE SEND A MESSAGE VIA [WINCHES@HAMPTONPRODUCTS.COM](mailto:WINCHES@HAMPTONPRODUCTS.COM) OR CALL 1 800-533-7372**

The Danger, Warnings, Cautions, and Instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

#### **⚠ DANGER ⚠**

Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

#### **⚠ WARNING ⚠**

Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

#### **⚠ CAUTION ⚠**

Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. This notation is also used to alert against unsafe practices.

**Note:** Indicates additional information in the installation and operation procedures of your winch.

### **Introduction**

*Thank you for purchasing your KEEPER® Winch.*

**PLEASE READ ALL INSTRUCTIONS, PAYING SPECIAL ATTENTION TO THE SAFETY INSTRUCTIONS.**

Your KEEPER® Winch has been designed and manufactured to provide years of trouble-free operation. If you are not satisfied, for any reason, please contact Customer Service at 800-533-7372, visit our website: [www.keeperwinches.com](http://www.keeperwinches.com) or contact [winches@hamptonproducts.com](mailto:winches@hamptonproducts.com). When requesting information in regard to this winch, please give the following information:

Winch Part # \_\_\_\_\_ and Serial number \_\_\_\_\_.

(Please write down this information here for future reference.) (Found on Motor Housing)

Please read and understand this Owner's Manual prior to installing and operating this product.

**PAY PARTICULAR ATTENTION TO THE GENERAL SAFETY INFORMATION.**

Your Winch is a powerful machine. If used unsafely or improperly, there is a possibility that property damage and/or personal injury can result. Your safety ultimately depends on your caution when using this product.

**This manual will cover KX9500E (KX9.5E) Wire Rope, KX9500ES (KX9.5ES) Synthetic Rope, KX9500EH (KX9.5EH) High Speed Retrieve models**

**THIS PRODUCT IS NOT INTENDED FOR LIFTING / HOISTING**

## Save this Manual

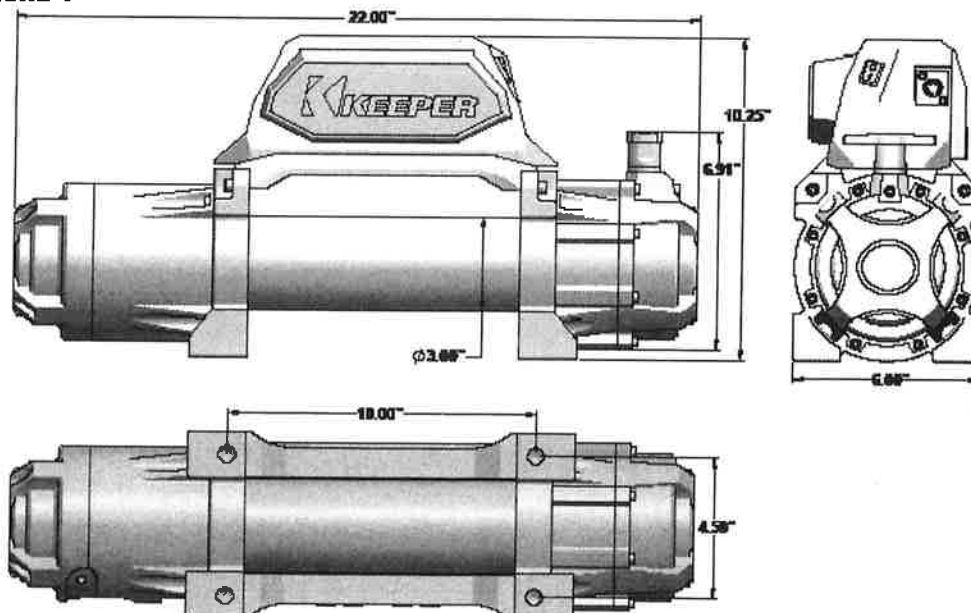
You will need this manual for the safety warnings and cautions, assembly instructions, operating procedures, maintenance procedures, trouble shooting, parts list, and diagram. Keep your invoice with this manual. Write the invoice number on the inside of the front cover. Keep both this manual and your invoice in a safe, dry place for future reference.

### KX9.5E, KX99.5ES, KX9.5EH SPECIFICATIONS

<b>Part Number:</b>	KX95122-1 Wire Rope, KX95132-1 Synthetic Rope, KX95122H-1 Wire Rope High Speed Retrieve
<b>Rated Line Pull:</b>	9,500 lbs., 4,309 kg.
<b>Motor - Series Wound:</b>	5.5HP 12V DC 6.7 HP 12V DC KW9.5EH
<b>Control:</b>	Wireless Remote with internal module, Hand Held Remote on 15' lead with built in High Density Light.
<b>Switching:</b>	High Duty Cycle Sealed Solenoid Pack
<b>Gear Train:</b>	High Efficiency 3-Stage Planetary Gear Set
<b>Gear Reduction:</b>	218:1 KX9.5E & KX9.5ES / 150:1 KX9.5EH
<b>Clutch (Freespooling):</b>	Lift and Turn
<b>Brake:</b>	Mechanical Automatic Cam Activated
<b>Wire Rope:</b>	100' of 21/64th Diameter Galvanized Wire Rope with looped thimble, HD Latched Clevis Hook and Red Warning Area. (KX9.5E & KX9.5EH) 85' of 3/8" Diameter Synthetic Rope with looped thimble, HD Clevis Hook and 3' (1 m) Protective Sleeve on Drum and Clevis End. (KX9.5ES)
<b>Drum Diameter/Length:</b>	Diameter 2.5" (63.5 mm) / Length 8.8" (224 mm)
<b>Fairleads:</b>	4-Way Roller Fairlead (KX9.5E, KX9.5EH) Aluminum Hawse Fairlead (KX9.5ES)
<b>Battery Leads:</b>	2 Gauge, 72" (1.83 m)
<b>Battery:</b>	Minimum 650 CCA
<b>Application:</b>	General Utility Load Recovery/Trailer, Truck, Tractor, Equipment
<b>Finish:</b>	All-Weather Textured Finish
<b>Weight:</b>	96 lbs. / 44 kg. (KX9.5E & KX9.5EH) 85 lbs. / 39 kg. (KX9.5ES)
<b>Warranty</b>	Limited Lifetime

### Winch Dimensions and Mounting Bolt Pattern

FIGURE 1



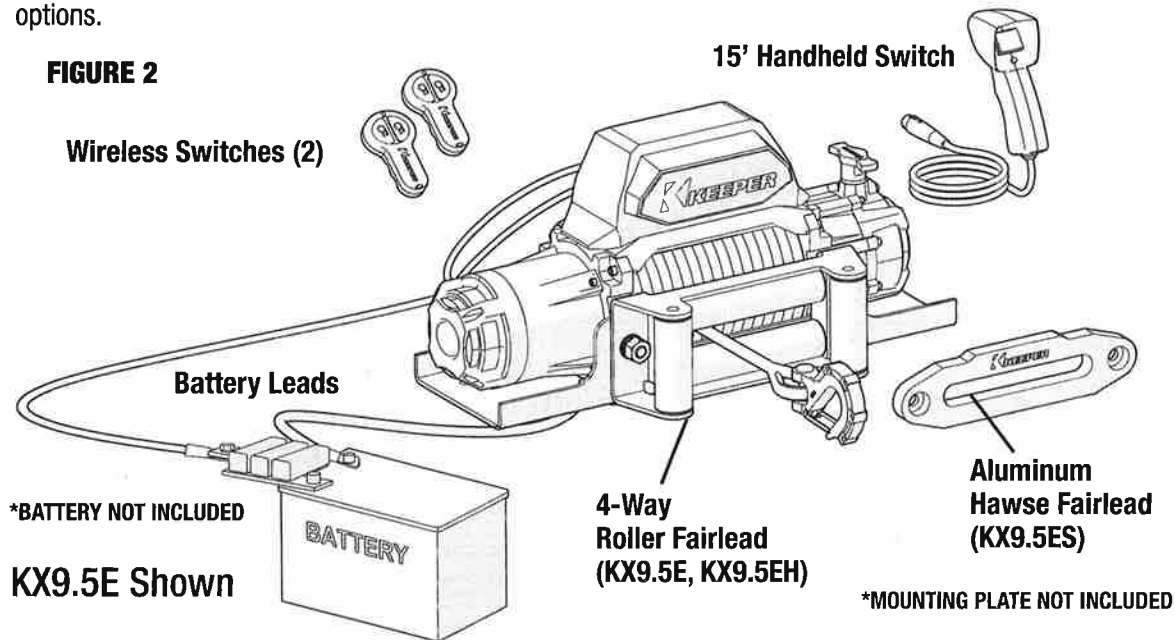
J PATTERN  
5" (114mm)

**THIS PRODUCT IS NOT INTENDED FOR LIFTING / HOISTING**

## General Description

This KEEPER® Winch is equipped with a series wound, 12 Volt DC motor and is designed for **INTERMITTENT GENERAL DUTY USE**. This electric winch is similar to most electric motor driven tools and should not be allowed to become overly hot. Stop winch if motor starts to labor or end of motor becomes hot to the touch. Stop winching and allow motor to cool down. Minimum electrical requirements are 60 amp alternator and battery with 650 CCA (cold cranking amp) capacity. This Winch (**FIGURE 2**) is not intended for use in lifting/hoisting applications and the manufacturer does not warrant it to be suitable for such use. The Freespool Clutch disengages the gearbox to allow the wire or synthetic rope to be pulled out without using electric power. A Remote Switch with 15' lead and wireless switch allows a wide variety of mounting options.

**FIGURE 2**



\*BATTERY NOT INCLUDED

KX9.5E Shown

\*MOUNTING PLATE NOT INCLUDED

## 12V DC PERFORMANCE

### KX9.5E & KX9.5ES (Regular Speed)

Line Pull (lbs/Kgs)	Line Speed FPM (m/min)	Motor (Amps)
0	23.62 (7.2 m)	56
2375 (1077)	12.56 (3.8 m)	137
4750 (2154)	9.18 (2.8 m)	207
7120 (3229)	6.63 (2.2 m)	268
9500 (4309)	4.76 (1.45 m)	329

Layer	Rated Line Pull (lbs/Kgs)	Total Rope On Drum (ft/m)
1	9500 (4309)	18.27 (5.57)
2	7120 (3229)	40.79 (12.44)
3	4750 (2154)	67.5 (20.5)
4	2375 (1077)	92 (28)

### KX9.5EH (High Speed)

Line Pull (lbs/Kgs)	Line Speed FPM (m/min)	Motor (Amps)
0	65.6 (20 m)	60
2375 (1077)	16.7 (5.1 m)	186
4750 (2154)	10.5 (3.2 m)	265
7120 (3229)	8.2 (2.5 m)	355
9500 (4309)	5.6 (1.7 m)	430

Layer	Rated Line Pull (lbs/Kgs)	Total Rope On Drum (ft/m)
1	9500 (4309)	18.27 (5.57)
2	7716 (3499)	40.79 (12.44)
3	6496 (2946)	67.5 (20.5)
4	5609 (2544)	92 (28)

## Rolling Load Capacities (1st Layer)

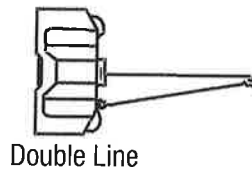
SLOPE*	10% (5.7°)	20% (9°)	40% (18°)	60% (27°)	100% (45°)
Lbs.	48,450	32,400	20,900	16,150	13,600
Kgs.	22,980	14,700	9,480	7,320	6,170

\*SLOPE: a one (1') rise over ten (10') feet in length equals a GRADE of 10%. A 10% grade is equal to a 5.71° incline angle. A 100% grade equals a 45° angle of incline.

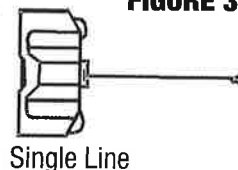
## ! General Safety Warnings & Cautions !

**1. READ AND UNDERSTAND THIS MANUAL BEFORE OPERATING YOUR WINCH.** After installing the Winch, practice using it before the need arises. **NEVER ALLOW PERSONS UNFAMILIAR WITH THIS PRODUCT TO OPERATE IT. ALWAYS WEAR SAFETY GLASSES AND LEATHER GLOVES WHILE WORKING WITH MACHINERY.**

**2. DO NOT EXCEED RATED CAPACITY OF THE WINCH. DO NOT OVERLOAD! DO NOT ATTEMPT PROLONGED PULLS OF HEAVY LOADS!** Overloads can damage the Winch and/or the rope and create unsafe operating conditions. **FOR LOADS OVER 75% OF THE RATED WINCH CAPACITY, WE RECOMMEND THE USE OF A PULLEY BLOCK TO DOUBLE LINE THE WIRE ROPE. (Figure 3).**



Double Line



Single Line

FIGURE 3

This reduces the load on the Winch, the strain on the rope and electrical system.

**3. Never apply a load to your winch with the wire or synthetic rope fully extended.** Keep at least 5 wraps on the winch drum.

**4. THE VEHICLE ENGINE SHOULD BE RUNNING DURING WINCH OPERATION.** If winching is performed with the engine turned off, the battery may be too weak to restart the engine.

**5. DO NOT** operate your vehicle to assist the Winch in pulling the load. The combination of the Winch and vehicle pulling together could overload the wire or synthetic rope and the Winch.

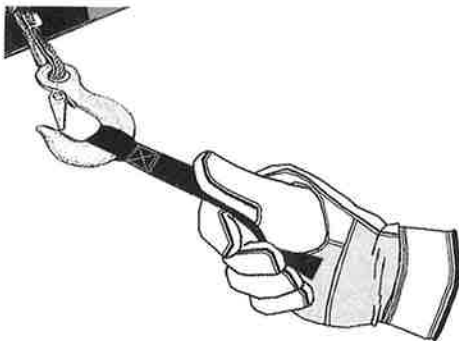


FIGURE 4

**6. WHEN IN USE, ALWAYS STAND CLEAR OF WIRE ROPE, HOOK AND WINCH.**

**7A. INSPECT WIRE ROPE AND EQUIPMENT FREQUENTLY. A FRAYED, KINKED OR FLATTENED WIRE ROPE NEEDS TO BE REPLACED IMMEDIATELY.** Periodically check the Winch installation to ensure that all bolts are tight.

**7B. INSPECT SYNTHETIC ROPE AND EQUIPMENT FREQUENTLY. A FRAYED, KINKED, OR MELTED SYNTHETIC ROPE NEEDS TO BE REPLACED IMMEDIATELY.** Periodically check the winch installation to ensure that all bolts are tight and secure.

**8. USE HEAVY LEATHER GLOVES** when handling rope. **DO NOT LET ROPE SLIDE THROUGH YOUR GLOVED OR UNGLOVED**

**HANDS. ALWAYS USE THE HAND-SAVER STRAP** when guiding the rope in or out (Figure 4).

**9. NEVER WINCH WITH LESS THAN 5 WRAPS OF ROPE AROUND THE WINCH DRUM** since the wire rope end fastener may **NOT** withstand full load.

**10. KEEP CLEAR OF WINCH, TAUT ROPE AND HOOK WHEN OPERATING WINCH. NEVER STEP OVER TAUT ROPE.**

**11. NEVER HOOK THE ROPE BACK ONTO ITSELF.** This will damage the rope. Use a **KEEPER 02953 3" X 6' WINCH STRAP**, tree saver or other recommended accessory for this type connection (Figure 5).

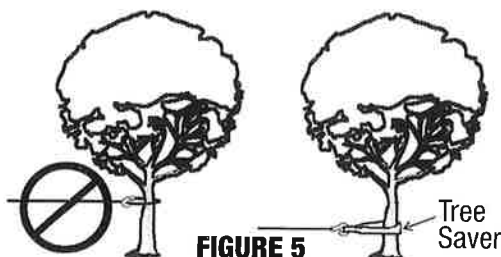


FIGURE 5

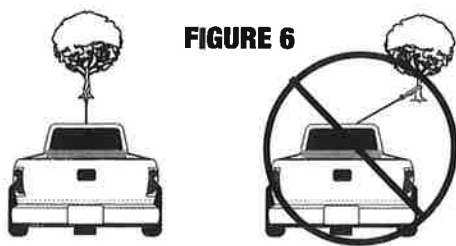
Tree Saver

**12. NEVER USE YOUR WINCH FOR LIFTING OR MOVING PEOPLE!**

**13. YOUR WINCH IS NOT INTENDED FOR OVER HEAD HOISTING OPERATIONS.**

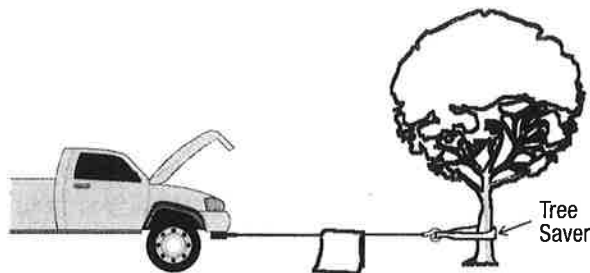
**14. AVOID CONTINUOUS PULLS FROM EXTREME ANGLES.** This will cause the rope to pile and jam in the Winch, causing damage to the rope or Winch (Figure 6).

**! General Safety Warnings & Cautions (Continued) !**



**FIGURE 6**

**FIGURE 7**



**15. NEVER OBSCURE THE WARNING INSTRUCTION LABELS ON THE WINCH.**

**16.** It is highly recommended to lay a heavy cloth (such as a blanket or tarp) over the wire rope when pulling heavy loads (**Figure 7**). If a wire rope failure should occur, the cloth will act as a damper and help prevent the wire rope from whipping. If mounted on the front of a vehicle then raise the hood for further protection.

**17.** Always operate Winch with an unobstructed view of the Winching operation.

**18.** Equipment such as hooks, pulley blocks, straps, etc. should be sized for winch capacity and periodically inspected for damage that could reduce their strength.

**19. NEVER RELEASE FREESPOOL CLUTCH WHEN THERE IS A LOAD ON THE WINCH.**

**20. NEVER WORK ON OR AROUND THE WINCH DRUM WHEN WINCH OR ROPE IS UNDER LOAD.**

**21. DO NOT OPERATE WINCH WHEN UNDER THE INFLUENCE OF ANY DRUGS OR ALCOHOL.**

**22. ALWAYS DISCONNECT WINCH POWER LEADS TO BATTERY BEFORE WORKING ON OR AROUND THE WINCH DRUM** so that Winch cannot be turned on accidentally.

**23.** When moving a load, slowly take up rope slack until it is taut. Stop, recheck all Winching connections. Be sure the hook is properly seated. If a tree saver is used, check the attachment to the load.

**24.** When using a vehicle mounted Winch to move a load, place the vehicle transmission in neutral (never in Park), set vehicle hand-brake, and chock all wheels.

**25. DO NOT USE THE WINCH TO HOLD LOADS IN PLACE.** Use other means of securing loads such as **KEEPER** brand tie-down straps. For tie-down information go to [www.keepercorp.com](http://www.keepercorp.com)

**26. USE ONLY FACTORY APPROVED SWITCHES, ADAPTERS, REMOTE CONTROLS AND ACCESSORIES.** Use of non-factory approved components may cause injury or property damage and could void your warranty.

**27. DO NOT MACHINE OR WELD ANY PART OF THE WINCH.** Such alteration may weaken the structural integrity of the Winch and could void your warranty.

**28.** This is a 12 Volt DC Winch. **CONNECT ONLY TO 12 VOLT DC BATTERY. DO NOT CONNECT WINCH TO EITHER 110V OR 220V AC CURRENT AS WINCH WILL BURN OUT OR FATAL SHOCK WILL OCCUR.** This will void warranty.

**29.** Never allow shock loads to be applied to Winch or rope.

**30. USE EXTREME CAUTION WHEN WINCHING A LOAD UP AND DOWN A RAMP OR INCLINE/.**

**31.** Keep people, pets, and property clear of Winching path, front, rear and sides for 80'.

**32. NEVER EXCEED RATING OF YOUR RECIEVER HITCH.**

**THIS PRODUCT IS NOT INTENDED FOR LIFTING / HOISTING**

## Winch Installation

Correct installation of your Winch is required for proper operation. Installation should be on a flat surface following the bolt pattern shown in **FIGURE 1**.

Read and follow directions carefully to ensure proper Winch alignment and trouble free operation.

This Winch **MUST** be mounted with the rope in the under-wind direction (**FIGURE 8**).

**MUST** use only genuine Keeper Winch replacement Wire Rope part number KWA14520 or Synthetic Rope part number KVA10041S.

### **⚠ WARNING ⚠**

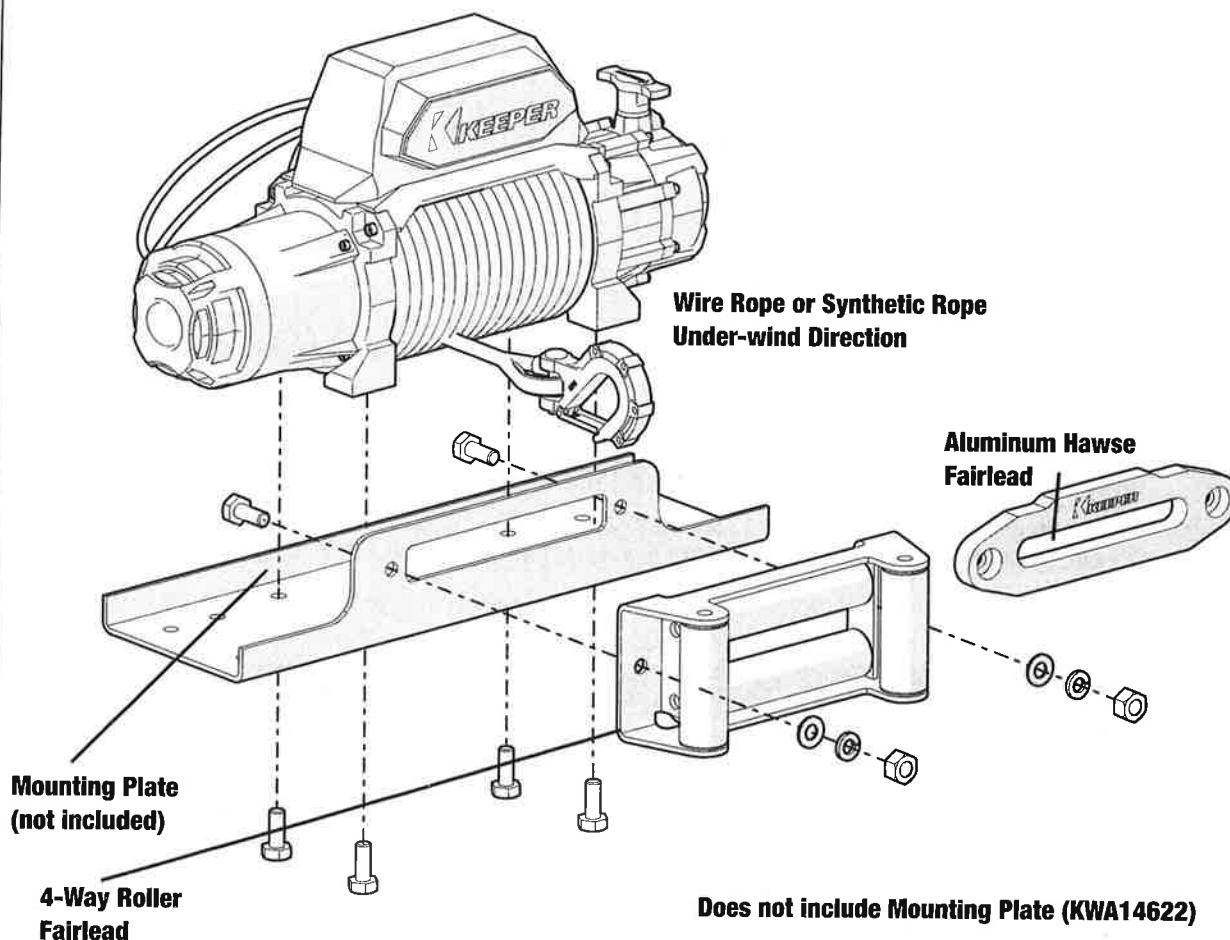
Improper mounting could damage your Winch and void your warranty.

### **⚠ WARNING ⚠**

#### **DO NOT EXCEED THE RATING OF YOUR RECIEVER HITCH**

**Step 1** Mount the Winch to the mounting kit base plate, proper mounting bolts are supplied. If using the Roller Fairlead or Hawse Fairlead included, install now to mounting plate. You may need to remove one or more of the rollers on the roller fairlead to pass through the wire rope. After doing this you may now attach the clevis hook. See (**Figure 8**) for order and bolt direction.

**FIGURE 8**



**THIS PRODUCT IS NOT INTENDED FOR LIFTING / HOISTING**

## Winch Installation (Continued)

### ⚠ WARNING ⚠

USE ONLY 3/8" -16 UNC BOLT AND NUTS WITH MINIMUM ISO GRADE 8.8.

### ⚠ WARNING ⚠

Batteries contain gases, which are flammable and explosive. **WEAR EYE PROTECTION DURING INSTALLATION AND REMOVE ALL METAL JEWELRY.** Do not lean over battery while making connections.

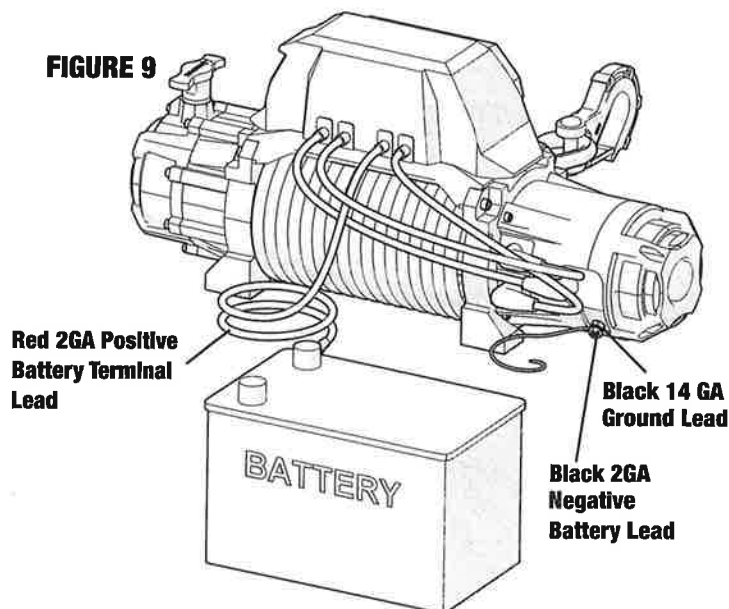
### ⚠ WARNING ⚠

Ensure that the wiring harness does not interfere or come in contact with any hot or moving engine, suspension, steering, braking or exhaust parts.

**MINIMUM ELECTRICAL REQUIREMENTS ARE 60 AMP ALTERNATOR AND BATTERY WITH 650 CCA (COLD CRANKING AMP) CAPACITY.**

- Step 2** Follow electrical connection diagram (**FIGURE 9**). Bolt the circuit breaker to the terminal end of the Red 2 GA battery lead that is factory connected to the sealed solenoid switching pack. Now connect the circuit breaker to the positive battery terminal.

**FIGURE 9**



- Step 3** Connect Black 2 GA battery lead to the negative motor terminal located on the bottom of the motor and also connect the Black 14 GA ground lead from the solenoid pack to the same negative motor terminal.
- Step 4** **Connect the other terminal end of the Black 2 GA battery lead to the negative battery terminal. If longer wiring harness is required then purchase KWA14607**
- Step 5** Remove the dust cover on the plug receptacle and insert the plug end of the handheld pendant switch. The plug end is keyed and will fit easily onto the socket only one way. **DO NOT FORCE.**
- Step 6** Lift and turn the freespool clutch handle to the Disengage position (**See FIGURE 12**). Pull 5 feet of rope off the drum. Return the freespool clutch handle back to Engaged position. Activate the Winch cable in and out by momentarily pressing the handheld pendant switch to check drum rotation direction. The switch is labeled "IN" for winching in and "OUT" for winching out. When released the switch will automatically go to the off position. **IF THIS DOES NOT OCCUR THEN REMOVE THE HAND HELD PLUG FROM THE RECEPTACLE.**

If the drum rotates in the wrong direction then check the trouble shooting area in this manual or call for assistance 800-533-7372. or contact [winches@hamptonproducts.com](mailto:winches@hamptonproducts.com)

- Step 7** You are now ready to winch. Practice winching operations by freespooling cable out and winching in under low loads. Make sure all wraps are wound on tight and close against the previous wrap. Plan some tests in advance and learn to watch and listen. Recognize the sound of a light steady pull, a heavy pull and sounds caused by load jerking or shifting. You will gain confidence. **ALWAYS WEAR SAFETY GLASSES, LEATHER GLOVES AND USE THE HAND SAVER STRAP (FIGURE 4).**



## Handheld Pendant Operation

The handheld pendant switch activates a solenoid that activates power to the winch motor.

To connect the handheld pendant switch, remove the cover on the plug receptacle and insert the plug end of remote switch (See Figure 10). The plug on the pendant control cord is keyed and will fit into the socket only one way.

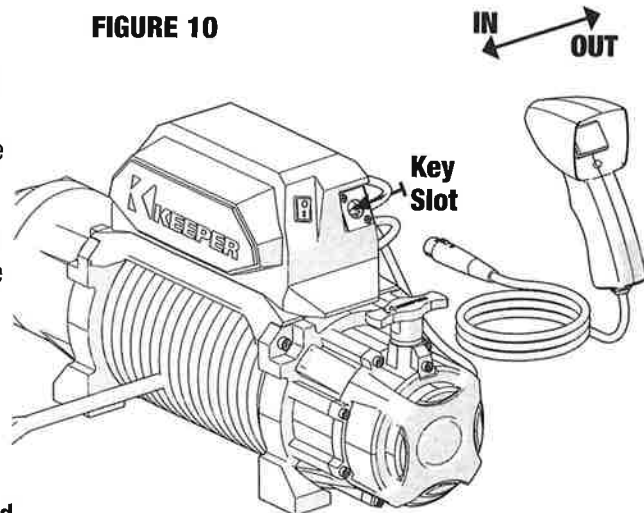
The switch trigger returns to the "Off" position when released. To change direction, move the toggle in the other direction. (See Figure 10).

The red push button activates the LED work light.



**The switch assembly must be kept free of dirt and moisture to ensure safe operation.**

FIGURE 10



## Wireless Operation

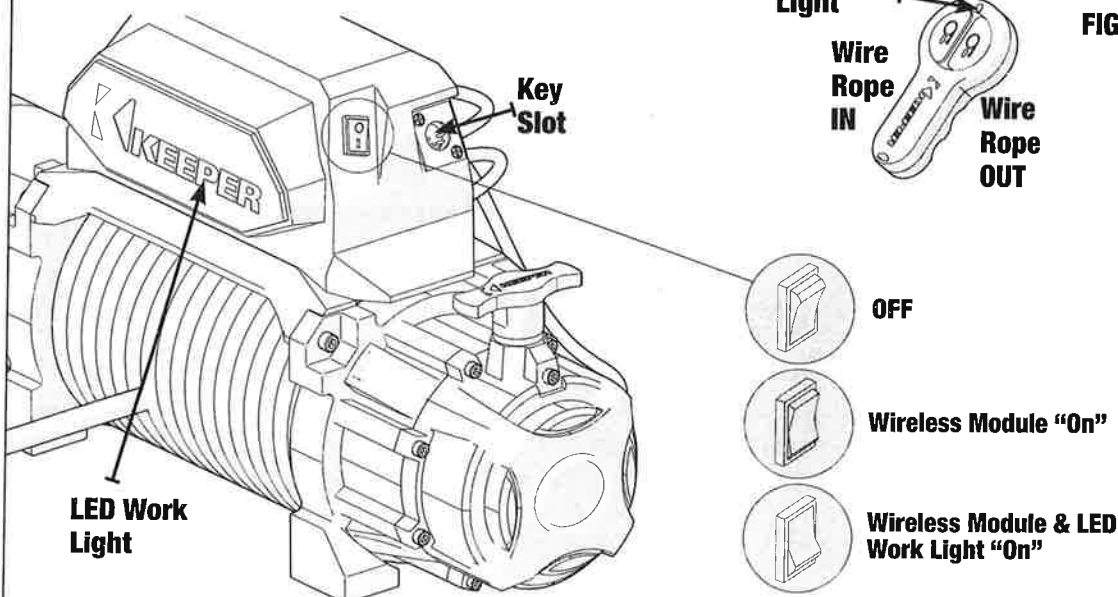
Your winch has an internal Wireless Remote Module that is activated via the 3-way switch on the side of the top cover. This will also control the LED Work Light mounted on the top cover. Never leave the Work Light "on" while driving. The three positions function as follows; Down – all features "OFF", Middle – Wireless Module "ON", Up – Wireless Module & LED Work Light "ON". To operate your Wireless Remote feature, place the switch on the side of your unit in the "Middle" or "Up" position, holding your Remote Fob depress both buttons at the same time and hold for 3-5 seconds. The indicator light will turn on indicating your unit is ready for use. Each Fob has a battery saver feature that shuts off the Fob after 10 minutes of none use to save battery power. Simply depress both buttons again for 3-5 seconds to turn the unit back on again.

**Please note that the unit is programmed for a 1 second delay in both starting and stopping. This may represent a 6" to 8" travel of the rope, please use caution.**

Your "Extreme" series winch comes with a built-in LED Work Light to aid you in low light conditions. To use, remove the protective cover and place the 3-way switch in the "Up" position. Your Work Light is now on and ready to use. Always replace the protective cover when not in use and remember to move the 3-way switch to the "Bottom" position when not in use.

Indicator Light

FIGURE 11



## Reprogramming Instructions for Wireless Remote Instructions de reprogrammation de la télécommande sans fil Instrucciones de reprogramación para control remoto inalámbrico

In the event you need to replace your Wireless Remote (due to loss or damage) you can replace it with Keeper # KTA14126 Wireless Remote Switch. Your KX Model has an internal wireless control module that will need to be accessed to accomplish this. If you have questions or concerns about accomplishing this, please call our Customer Service at 1-800-533-7372 8:00 – 4:00 PM EST and ask for a winch technician, we will be happy to walk you through the necessary steps.

En cas de remplacement de la télécommande sans fil (en cas de perte ou de casse), elle peut être remplacée par la télécommande sans fil Keeper KTA14126.

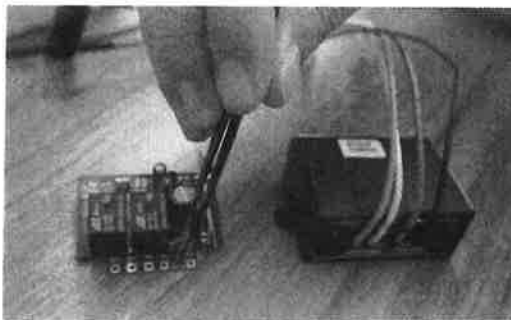
Le modèle KX dispose d'un module de contrôle sans fil interne auquel il faut accéder pour accomplir cette tâche. En cas de questions ou de doutes sur cette opération, merci d'appeler le service clientèle au 1-800-533-7372 8:00 - 16:00 EST et demander un technicien de treuil qui sera heureux de fournir toute l'aide nécessaire tout au long des étapes.

En el caso de que necesite reemplazar su control remoto (por pérdida o daños), puede hacerlo con el interruptor remoto inalámbrico Keeper # KTA14126.

Su modelo KX tiene un módulo de control inalámbrico interno al que deberá acceder para realizar la reprogramación. Si tiene preguntas o consultas sobre el proceso, llame a nuestro Centro de atención al cliente al 1-800-533-7372 de 8:00 a 4:00 p.m. EST y solicite hablar con un técnico de cabrestante y con gusto lo ayudaremos en todos los pasos necesarios.

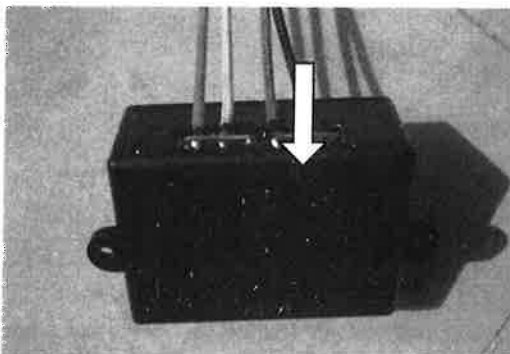
- 1) To begin you will need to remove the screws on the top of your unit to expose the internal control module.
- 2) You must have power to your winch during this process, take extra caution to ensure body parts or clothing is clear of the winch in case the unit activates.
- 3) Inside the top cover you will find the circuit board and wireless receiver. (Fig. 1.)
- 4) Using a metal tweezer or copper jump wire, contact the two small holes on the receiver while pressing either button on your new wireless remote. (Fig. 2.)
- 5) Hold for 3 seconds, you should hear a "tone" confirming the winch and wireless remote are now in sync.
- 6) If you do not hear a "tone", please repeat steps 4 & 5 making sure your jump wire is in contact with the metal contact points on the receiver.
- 7) Replace cover, ensure that no wires are pinched or cut during this process.
- 8) Retest your unit to confirm both in/Out operations function properly.
- 9) If you are unable to successfully sync the winch and wireless remote, please contact our Customer Service at 1-800-533-7372 for personal assistance.

FIG. 1



- 1) Commencer par retirer les vis situées sur le dessus de l'appareil pour exposer le module de contrôle interne.
- 2) Il faut alimenter le treuil pendant ce processus, prendre de grandes précautions pour s'assurer que les parties du corps ou les vêtements sont dégagés du treuil au cas où l'appareil serait mis en fonction.
- 3) À l'intérieur du capot supérieur, se trouve le circuit imprimé et récepteur sans fil. (Fig. 1)
- 4) À l'aide d'une pince métallique ou d'un fil de cuivre, faire un contact entre les deux petits trous du récepteur tout en appuyant sur l'un des boutons de la nouvelle télécommande sans fil. (Fig. 2)
- 5) Maintenir la touche enfoncée pendant 3 secondes, une « tonalité » se fait entendre confirmant que le treuil et la télécommande sans fil sont maintenant synchronisés.
- 6) S'il n'y a pas de « tonalité », répéter les étapes 4 et 5, en s'assurant que le fil est bien en contact avec les deux points de contact sur le récepteur.
- 7) Remettre le couvercle en place, en veillant à ce qu'aucun fil ne soit pincé ou coupé pendant l'opération.
- 8) Retester l'appareil pour confirmer que les opérations de rembobinage et de dévidage fonctionnent toutes les deux correctement.
- 9) Au cas où la synchronisation du treuil et de la télécommande sans fil ne se fait pas, contacter notre service à la clientèle au 1-800-533-7372 pour obtenir de l'aide.

FIG. 2



- 1) Para comenzar, necesitará quitar los tornillos de la parte superior de la unidad para exponer el módulo de control interno.
- 2) Durante este proceso es necesario que el cabrestante reciba energía eléctrica. Tome precauciones adicionales para asegurarse de que su cuerpo y ropa no estén en contacto con el cabrestante en caso de que se active la unidad.
- 3) Dentro de la cubierta superior encontrará la placa de circuitos y el receptor inalámbrico. (Fig. 1)
- 4) Con una pinza de metal o un cable conector de cobre, contacte los dos pequeños orificios en el receptor y presione algún botón del nuevo control remoto inalámbrico. (Fig. 2)
- 5) Mantenga presionado por 3 segundos hasta escuchar un "tono" que confirmará que el cabrestante y el control remoto inalámbrico están sincronizados.
- 6) Si no escucha un "tono", repita los pasos 4 y 5 y asegúrese de que el cable conector esté en contacto con los puntos de contacto metálicos del receptor.
- 7) Reemplace la cubierta y asegúrese de no apretar o cortar ningún cable durante este proceso.
- 8) Vuelva a probar la unidad para confirmar que las operaciones de entrada/salida funcionan correctamente.
- 9) Si no puede sincronizar correctamente el cabrestante y el control remoto inalámbrico, contáctese con el Servicio de atención al cliente al 1-800-533-7372 para obtener ayuda personal.

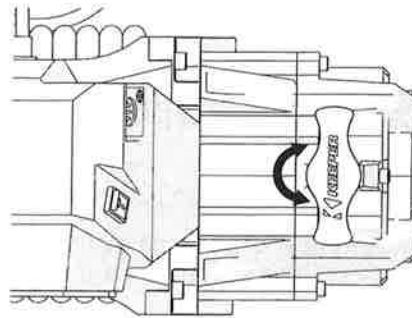
## Freespool Operation

1. Lift and rotate the clutch lever to the "Disengaged" position as shown in **Figure 12**. If there is a load on the rope, the clutch lever may not turn easily. **DO NOT FORCE THE CLUTCH LEVER**. Release tension by joggling out some of the rope, then try releasing the clutch.
2. Pull out the rope and secure to anchor or load.
3. Check that there are at least five (5) wraps of rope left on the drum.
4. Re-engage the drum by lift and rotating the clutch lever to the "Engaged" position, apply power to engage clutch (**see Figure 12**).



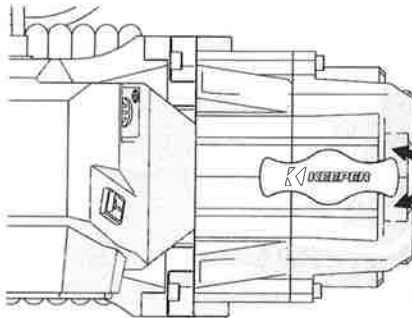
### CAUTION

Lever must be in the engaged position and locked before winching.



ENGAGE

FIGURE 12



DISENGAGE

## Brake Operation

Your winch incorporates an automatic load holding brake. After winching in a load, this mechanism holds the load, up to the rated capacity of the winch. While powering out the load, the winch controls the rate of speed by applying the brake in proportion to the amount of the load in the winch cable. This results in heavier loads powering-out more slowly than lighter loads.

Similar to the friction-type brakes in your automobile which can generate heat if used for a long period of time, the winch brake can generate heat if used to power-out a load for a long period of time.

**To ensure optimum winch performance, always limit powering-out a load to 2 minutes and allow the brake to cool for 15 minutes before continuing to winch.**

Under normal use, the brake mechanism should not require any adjustment. Should the brake fail to hold a load or maintain a constant rate of speed during power-out operation, the brake spring may be worn and require replacement.

FOR PARTS INFORMATION PLEASE CHECK [www.keeperwinches.com](http://www.keeperwinches.com),  
[winches@hamptonproducts.com](mailto:winches@hamptonproducts.com), OR CALL CUSTOMER SERVICE 1-877-533-7372

## Extending the Life of Your Winch

The following guidelines apply for both wire rope and synthetic rope models

1. **KEEP A TIGHTLY WOUND ROPE DRUM.** Keep the rope tightly and evenly wound on the drum all the time. Do not allow the rope to become loosely wound. A loosely wound drum allows a rope under load to work its way down into the layers on the drum. When this happens, the rope may become wedged within the body of the windings damaging the rope. A good practice is to rewind the rope under tension after each use. Apply tension using hand saver strap (**FIGURE 3**) and ALWAYS wear safety glasses and leather gloves.
2. **DO NOT ALLOW WINCH MOTOR TO OVERHEAT.** Keep the duration of pulls as short as possible. If the motor becomes uncomfortably hot by touching, stop winching and allow the motor to cool down. **KEEP THE VEHICLE ENGINE RUNNING TO RECHARGE THE BATTERY** during the cooling break.

## Extending the Life of Your Winch

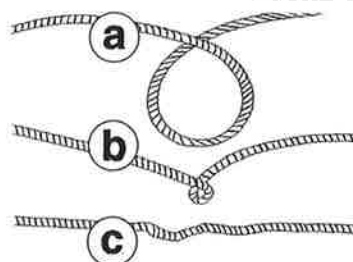
**3. USE A PULLEY BLOCK FOR HEAVY LOADS.** To maximize Winch and rope life, use a pulley block (not included) to double line heavier loads. (See **FIGURE 3**) For maximum performance use a pulley block that is greater than 75% of the rated capacity of the winch. For the 9,500 lbs. winch use a pulley block once you exceed 7,125 lbs. Always use a pulley block (for part number **Call Keeper Winch**) that is rated twice the capacity of the winch.

**⚠ CAUTION ⚠** If the winch motor stalls, do not continue to apply power.

**4.** The pull required to start a load moving is often much greater than the pull required to keep it moving. **AVOID FREQUENT STOPS AND STARTS DURING THE PULL.**

**5. PREVENT KINKS IN WIRE ROPE BEFORE THEY OCCUR (FIGURE 13).**

- a. This is the start of a kink. Wire rope should be straightened.
- b. Wire rope was pulled and loop has tightened into a kink. Wire rope is now permanently damaged and **MUST** be replaced.
- c. Result of kinking is that each strand pulls a different amount causing strands under greatest tension to break and reduce load capacity of wire rope. The wire rope **MUST** be replaced. Use only genuine Keeper Winch replacement part number **KWA14520 100' X 21/64"**



**FIGURE 13**

Contact: [winches@hamptonproducts.com](mailto:winches@hamptonproducts.com)  
to order.

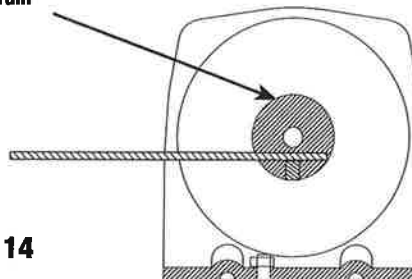
## Replacing The Wire Rope

**⚠ WARNING ⚠**

Never Substitute a heavier or lighter wire rope. Never use rope made of any other materials other than wire. Use only recommended Keeper replacement wire rope, 100' x 21/64" KWA14520.

Attach wire rope to the drum using screw provided **FIGURE 14**).

Winch Drum



**FIGURE 14**

## Synthetic Rope Care and Replacement

**⚠ WARNING ⚠**

Never substitute a heavier or lighter synthetic rope. Never use rope made of other materials than originally supplied with your unit. Use only recommended Keeper replacement synthetic rope part number KVA10041S.

Synthetic Rope is an excellent alternative to wire rope providing a weight savings on your vehicle and much easier to handle. Synthetic Rope can also be much safer in the event of a line break and less susceptible to backlash during failure. Keeper still recommends using our Winch Safety Blanket part number KWA400All for all winching activities.

Fraying of the rope is the major concern and can reduce the strength of your synthetic rope considerably. Always take special care to eliminate running the rope over edges that may promote damage. If a cut or fraying is discovered, immediately replace the synthetic rope for strength and safety concerns.

## Replacing the Synthetic Rope

- 1) Remove all old and damaged synthetic rope from the drum and inspect to ensure there are no burrs or sharp edges on the drum. Remove the protective sleeve on the leading and trailing end of the old rope and

install on the new replacement rope. This provides abrasion and heat protection from damaging the synthetic rope.

- 2) Confirm that the length of the replacement rope matches the original length supplied with your unit. You may need to trim it to the correct length.
- 3) Feed the trailing end of the rope through the hole in the drum and secure with the set screw. You may want to wrap the trailing end in tape to make inserting it in the hole easier.
- 4) Run the new rope with the protective sleeve along the length of the drum and begin winding it on the drum, making sure it feeds along the bottom. You can use a piece of tape to help hold the sleeved section in place while winding the first layer in place.
- 5) Make sure each layer is installed in an even and tight pattern until the full length is installed. Overlapping layers can cause difficulties in free spooling and up take when you need your winch the most.

## Maintenance & Repair



Before each use, check mounting bolts for tightness, inspect rope for damage. Inspect remote control assembly for any damage. Periodically use a clean, dry towel to remove dirt and debris from winch housing. **Lubrication:** The gear box is permanently lubricated. Do not attempt to disassemble the gear box. This will void your warranty.

**The following guidelines apply for both wire rope and synthetic rope models**

- 1. KEEP A TIGHTLY WOUND WIRE ROPE DRUM.** Keep the rope tightly and evenly wound on the drum all the time. Do not allow the rope to become loosely wound. A loosely wound drum allows a rope under load to work its way down into the layers of rope on the drum. When this happens, the rope may become wedged within the body of the windings damaging the wire rope. A good practice is to rewind the rope under tension after each use. Apply tension using hand saver strap (**FIGURE 3**) and ALWAYS wear safety glasses and leather gloves.
- 2. DO NOT ALLOW WINCH MOTOR TO OVERHEAT.** Keep the duration of pulls as short as possible. If the motor becomes uncomfortably hot by touching, stop winching and allow the motor to cool down. **KEEP THE VEHICLE ENGINE RUNNING TO RECHARGE THE BATTERY** during the cooling break.
- 3. USE A PULLEY BLOCK FOR HEAVY LOADS.** To maximize Winch and rope life, use a pulley block (not included) to double line heavier loads. (**See FIGURE 3**) For maximum performance use a pulley block that is greater than 75% of the rated capacity of the winch. For the 9,500 lbs. winch use a pulley block once you exceed 7,125 lbs. Always use a pulley block (for part number **Call Keeper Winch**) that is rated twice the capacity of the winch.

### CAUTION

If the winch motor stalls, do not continue to apply power.

4. The pull required to start a load moving is often much greater than the pull required to keep it moving. **AVOID FREQUENT STOPS AND STARTS DURING THE PULL.**
- 5. PREVENT KINKS IN ROPE BEFORE THEY OCCUR (FIGURE 13).**
  - a. This is the start of a kink. Rope should be straightened.
  - b. Rope was pulled and loop has tightened into a kink. Rope is now permanently damaged and **MUST** be replaced.
  - c. Result of kinking is that each strand pulls a different amount causing strands under greatest tension to break and reduce load capacity of rope. The rope **MUST** be replaced. Use only genuine Keeper Winch replacement part number **KWA14520 100' X 21/64"**

**Contact:** [winches@hamptonproducts.com](mailto:winches@hamptonproducts.com) to order.

## Troubleshooting

If a problem arises, **DO NOT RETURN TO RETAILER** call Keeper® Winch Customer Service at 800-533-7372 or e-mail [winches@hamptonproducts.com](mailto:winches@hamptonproducts.com).

Symptom	Possible Causes	Corrective Action
<b>Motor will not operate or runs in one direction only</b>	<ol style="list-style-type: none"> <li>1. Broken wires or bad battery connection</li> <li>2. Switch inoperative</li> <li>3. Damaged winch</li> <li>4. Damaged solenoid</li> <li>5. Circuit breaker malfunction</li> </ol>	<ol style="list-style-type: none"> <li>1. Check for poor connection(s) and that all wiring is tight and clean</li> <li>2. Check that switch wires are connected properly to the solenoid</li> <li>3. Replace or repair</li> <li>4. Replace solenoid</li> <li>5. Replace circuit breaker</li> </ol>
<b>Motor runs extremely hot</b>	<ol style="list-style-type: none"> <li>1. Long period of operation</li> <li>2. Damaged during operation</li> </ol>	<ol style="list-style-type: none"> <li>1. Allow to cool</li> <li>2. Replace or repair</li> </ol>
<b>Motor runs but with insufficient power or line speed</b>	<ol style="list-style-type: none"> <li>1. Weak/Low battery</li> <li>2. Battery to Winch wire too long</li> <li>3. Poor battery connection</li> <li>4. Poor ground</li> <li>5. Damaged motor</li> </ol>	<ol style="list-style-type: none"> <li>1. Recharge or replace battery. Check charging system.</li> <li>2. Use only supplied wires. If increase in length is needed, drop down wire size to 2 or 3 AWG.</li> <li>3. Check battery terminals for corrosion. Clean as required.</li> <li>4. Check and clean connections</li> <li>5. Replace or repair</li> </ol>
<b>Motor runs but drum does not turn</b>	Clutch not engaged	Engage clutch
<b>Winch runs backwards</b>	<ol style="list-style-type: none"> <li>1. Battery wires reversed</li> <li>2. Switch wires reversed</li> <li>3. Switch installed incorrectly</li> </ol>	<ol style="list-style-type: none"> <li>1. Recheck wiring</li> <li>2. Recheck wiring</li> <li>3. Check switch installation</li> </ol>

**LIMITED WARRANTY:** Hampton Products International Corporation warrants product according to provisions below: Mechanical components are warranted for lifetime of the winch to be free from defects of material and workmanship. Electrical components are warranted for 1 year to be free from defects of material or workmanship. If a defect in material or workmanship occurs, call 800-533-7372 for instructions on how to have the Product repaired or replaced. This Warranty applies only to the original Purchaser/Consumer of the Products from the date of purchase of the Product. Defective Products returned become property of the manufacturer. Limitations on the Warranty: The following limitations apply to the Warranty: (a) The Warranty applies only to Products which are defective in material or workmanship. This Warranty does not cover normal wear and tear. The Warranty does not cover service or labor charges which are incurred in removing or replacing any Product. (b) The Warranty does not cover the winch finish or wire rope. Accordingly, the manufacturer will not replace, repair or refinish any Products if the finish on the Product is worn in any manner. (c) The Warranty does not extend to Products which are damaged or which fail as a result of the Product being abused, neglected, or misused in any manner, or as a result of any accident, or which are misapplied, overloaded, improperly installed, or altered in any manner by anyone other than the manufacturer its agents or representatives.

**Obligations of Purchaser/Consumer.** To obtain the benefits of the Warranty, The Purchaser/Consumer must return the defective Product(s), freight prepaid together with proof of purchase within the warranty period from the date of purchase to Hampton Products or an authorized service center.

**Legal Rights and Limitations of Purchaser/Consumer.** **THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU ALSO MAY HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE. ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON ANY PRODUCT SHALL BE LIMITED TO TERMS OF WARRANTY FROM THE DATE OF PURCHASE AT RETAIL TO THE ORIGINAL PURCHASER. SOME STATES DO NOT ALLOW LIMITATIONS**

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**THIS PRODUCT IS NOT INTENDED FOR LIFTING / HOISTING**