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XLT HIGH POWERED DRILL

User Manual

L2 Trucking Products, Inc.

https://www.xpresslifttool.com

Base Tool KIt consists of Drill, Charger, 4AH Battery, Bag (not shown is pair of TED straps)

A coupler, designed for the exact use the XLT Drill System will be used for will be supplied with the kit when specialized kit is purchased. Most common couplers are the T-Coupler and Grain/Ag Coupler.

XLT DRILL KIT COMPONENTS

The main component of this kit is the drill itself. This is a high powered drill that requires a T.E.D. anytime it is used. A **T.E.D. is a torque elimination device** specifically made for use with the XLT Drill to create a safe user environment. As you can see by the picture on the previous page, this drill is not like most standard drills available. This drill uses a steering wheel design which was specifically created due to the torque and power generated when needed.

Like a steering wheel on a vehicle it is meant to be controlled with both hands on it during use. That is due to the power generated by the drill. **Both hands** should always be on the drill during use to prevent injury and to accomplish the task at hand (raising/lowering trailer or opening/closing grain hopper doors) along with a T.E.D. being utilized for safety purposes.

A pair of T.E.D. (torque elimination device) straps are part of the original base kit. TEDs will be explained later in this user manual and when properly used will prevent the drill from spinning or turning which could potentially injure the user.

The US battery charger is a 110/120V AC charger that was specifically designed to only charge the 18V DC lithium-ion batteries used by the XLT Drill. This charger should only be used for these special batteries and likewise, the batteries should only be charged on this charger.

The battery in the drill kit is either a 4AH or 5AH (upgrade) battery rated at 18V DC. One battery comes standard with the kit. Each battery will raise and lower many trailers easily between charges.

The base drill kit does not come with a coupler. Specific kits: Trailer Kit and Grain Kit do though. Specific couplers have been manufactured and can be purchased separately. These couplers address the unique shafts used to control the raising and lowering of landing gear and opening and closing of grain hopper doors along with standard trailer jacks.

GENERAL SAFETY WARNINGS

Read all safety warnings, instructions, illustrations and specifications provided with this drill, charger and battery.

Failure to follow all instructions listed here may result in electric shock, fire and/or serious bodily injury. Save all warnings and instructions for future reference.

WORK AREA AND TOOL SAFETY

Do not operate drill or charger in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks and may ignite the dust or fumes.

Keep children and bystanders away while operating the drill.

Do not expose drill or charger to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.

Battery charger plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) powered tools.

Do not abuse the charger cord. Never use the cord for carrying, pulling or unplugging the charger. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.

If operating the charger in a damp location is unavoidable, use a ground fault circuit interrupter (GFCI) protected supply. Use of an GFCI will reduce the risk of electric shock.

PERSONAL SAFETY

The drill must ALWAYS be used with a T.E.D.

Stay alert, watch what you are doing and use common sense when operating the drill. Do not use the drill while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention may result in serious personal injury.

Prevent unintentional activation. Ensure the switch is in the off-position before connecting to the battery pack, picking up or carrying the drill. Carrying the drill with your finger on the switch or energizing power tools that have the switch on can cause an accident.

Do not overreach. Keep proper footing and balance at all times. This enables better control of the drill in unexpected situations.

Dress properly. Do not wear loose clothing or jewelry. Keep your hair and clothing away from moving parts. Loose clothes, jewelry or long hair can be caught in moving parts.

DRILL USE AND CARE

The drill must ALWAYS be used with a T.E.D.

Do not use the drill if the trigger type switch does not turn it on and off properly and immediately. A drill that cannot be controlled with the switch is dangerous and must be repaired.

Remove the battery pack from the drill before making any adjustments, changing accessories, or storing. Such safety measures reduce the risk of the drill starting accidentally.

Store the drill out of the reach of children and do not allow persons unfamiliar with the drill or these instructions to operate it. Power tools are dangerous in the hands of untrained users.

Maintain the drill and its accessories. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the drill's operation. If damaged, have the drill repaired before use.

Use the drill, accessories and couplers in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the drill for operations different from those intended could result in a hazardous situation.

Keep handles and grasping surfaces dry, clean and free from oil and grease. Slippery handles and grasping surfaces do not allow for safe handling and control of the drill in unexpected situations

Periodically clean the battery terminals and the drill terminals. Lint, dust or other small particles may congregate there and limit the connectivity needed between battery and drill.

Never use petroleum products on the drill, battery or battery charger. These items are mainly plastic devices and petroleum use will negatively affect the quality of the item and void your warranty.

Never disassemble the drill, battery or battery charger.

Contact a L2 Trucking Products service center for repairs, warranty service or questions on use. A contact email address, supplied at the end of this manual, can be used for any of the above contact instances needed. The online web site also has email send capabilities.

BATTERY AND CHARGER USE AND CARE

Specialized XLT 18-volt batteries are required to be used with this high-powered drill. Use only those batteries to ensure safety and eliminate potential for drill damage or even worse: injury, fire or explosion during use.

Recharge the XLT 18-volt batteries only with the XLT 18-volt charger supplied for use with this drill. Use of a different charger may create a risk of fire or explosion and voids all warranties.

The XLT 18-volt battery charger should only be used to charge XLT 18-volt batteries.

When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.

Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.

Do not use a battery pack or tool that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.

Do not expose a battery pack or tool to fire or excessive temperature. Exposure to fire or temperature above 265°F (130°C) may cause explosion.

Follow all charging instructions and do not charge the battery pack or tool outside the temperature range specified in the above instructions. Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.

https://www.xpresslifttool.com/Docos/XLT_Manual_Charger.pdf

REFER TO THE USER MANUAL FOR THE BATTERY AND CHARGER FOR DETAILS ON CHARGING AND SAFETY PRECAUTIONS ON USE.

WARRANTY

The warranty for the drill, battery charger and battery is 1 year from date of purchase.

This warranty shall be void if:

- any modifications are implemented which have not been expressly approved by L2 Trucking Products,
- use of non-authorized replacement parts,
- misuse or failure to maintain or service the product in accordance with L2 written policies,
- not adhering to the limitations of use as specified within this manual.

The full warranty statement can be found online at:

https://www.xpresslifttool.com/Docos/XLT_Warranty.pdf

Repair service or questions can be emailed to:
SUPPORT@XPRESSTRUCKTOOLS.COM

or by sending an email message from the web site
www.xpresslifttool.com

T.E.D. (torque elimination device)

The drill must ALWAYS be used with a T.E.D.

Failure to use a T.E.D. can potentially injure the operator due to the high torque generated by the drill when it is needed. A T.E.D. is a device that limits the movement of the drill during use and if used properly eliminates the chance for injury to the operator of the drill.

There are currently three types of T.E.D.s. One is a "STRAP T.E.D." which is meant to be a temporary use device until all trailers in a fleet have a fixed connector added to them. This allows for immediate and safe use of the drill. The straps will be removed from the drill once all trailers in a fleet, or all trailers in a region/area of use, have been modified allowing for activation and use of the PERMANENT T.E.D..

There are two ways to use "Strap T.E.D.s". Both utilize two straps attached to the drill housing. The SIDEWALL T.E.D. consists of individual straps attached to the right and left side of the drill. At the end of each strap is a clamp with a large thumb screw on it. The clamp will be attached to the trailer sidewall or frame and hand tightened. The second type is a WEIGHT T.E.D.. Straps attached to the right and left bottom of the drill is looped on the ground the user steps into the loop with legs slightly spread apart. This will allow for users' weight to prevent the drill from turning or twisting. Both straps have a cambuckle which allows for the strap to be tightened to eliminate excessive play in the strap. The drill can now be used safely with very minimal to no torque transmitted to the operator that is holding onto both handles during use.

The second PERMANENT T.E.D. consists of drill plate attached to the front of the drill. This plate has rods connected to it which are inserted into a corresponding fixture installed on the trailer. That fixture can either be a trailer plate or a trailer bar. Both have places to accept the drill plate rods. This is done at the same time the coupler is slid over the shaft used to raise/lower the trailer legs, which has had the handle removed, and together eliminate all torque.

The final and third T.E.D. is the SA Drill Plate which attaches to the front of the drill. It requires no fixture to be placed onto the trailer – it is Stand Alone. Projecting out from the top of the drill with the SA Plate installed are a set of support arms. These arms will impact the trailer, just above the leg shaft, thereby preventing any spinning of the drill.

Pictured below is the drill with a Permanent T.E.D..

Drill with Stand Alone plate that needs trailer plate below.

Below is trailer plate with drill inserted into tubes to eliminate torque.

The trailer bar is depicted below attached to the trailer with drill inserted.

DRILL OPERATION – Landing Gear

The landing gear crank handle has been removed previously. Lock the trailer coupler onto the landing gear crank shaft used to raise and lower the trailer. This is done by sliding the coupler over the shaft and spinning the drill slowly so the coupler locks onto the latch pin residing on the shaft.

If using the T.E.D. straps, attach the straps properly to the trailer using clamps or use your weight in loops on the ground. Use of a T.E.D. is required to prevent the drill from rotating when in operation which can injure the user.

If using the permanent T.E.D. insert the T.E.D. rods into the corresponding tubes on the trailer plate or the holes in the trailer bar at the same time as you are sliding the coupler over the landing gear crank shaft.

Both high and low gear on the landing gear are equally usable. When the drill starts laboring when in high gear it should be placed into low gear. This is done by either pulling or pushing the landing gear crank shaft in/out to properly position the landing gear mechanism. The amount of torque needed cannot exceed the capacity of the drill. If that happens the drill will protect its internal components by shutting itself off. To reset the drill the battery will need to be disconnected and reconnected from the drill itself.

When disconnecting the trailer from the tractor you will be physically raising the trailer. Once weight is being transferred onto the legs (can only occur in low gear) it is recommended to raise the trailer for only 1-3 seconds to achieve the clearance needed to drop the trailer properly.

ALWAYS, keep both hands on the drill when raising or lowering the trailer legs. This is especially important, even when a T.E.D. is being used.

DRILL OPERATION – Grain Hopper Doors

Place the grain coupler over the low or high speed nut on the grain hopper trailer door. Raise the lock plate, if it exists, to allow for both nuts to freely turn.

If using the T.E.D. straps, attach the straps properly to the trailer. Use of a T.E.D. is required to prevent the drill from rotating when in operation.

The Grain TED, a special device designed by L2, can be used to control the drill to ensure safe use when torque is needed to prevent the drill from turning.

When the hopper door is approaching fully opened or fully closed, slow the rotation down. This will prevent the quick stop that may occur when reaching the open or close tabs.

DESCRIPTION OF DRILL

The rotating shaft of the drill is a 3/8 inch male attachment used to hold the couplers. The drill output shaft has an inset that will be used to connect the coupler (via a set screw) more securely onto it. This allows the user to easily use either low or high gear on landing gear as well by using the drill to modify the gears available in the landing gear mechanism.

Shown on the left of the drill, in orange, is the variable trigger. This trigger controls the operation of the drill and allows for speeds from 0-150 rpm.

Just behind the variable trigger is a push button through the handle. This controls the rotational direction of the drill and whether trailer is to be raised or lowered.

The inset at the middle and bottom of the drill is for the battery. It is inserted and removed from the back side with a small push lever on the battery itself which clips the battery onto the drill. If torque needed exceeds the drill capability the battery will shut the drill off. To reset the battery simply depress the lever on the battery and slide the battery out slightly and back in. This will allow for drill to again operate properly as needed.

The drill operates using a 18V lithium-ion battery system. The batteries and battery chargers are specifically made for the XLT drill and should only be used to operate it.

CORPORATE CONTACT INFORMATION

The X-Press Lift Tools is a group of tools within the X-Press Truck Tools division. The corporate entity is L2 Trucking Products Inc with headquarters located in England, AR USA.

Much information for use of this high-powered drill system, including instructional videos, are online at:

www.xpresslifttools.com

The hours for reaching L2 Trucking Products are 8AM-430PM, Mon-Fri USA CT. The corporate direct phone number is:

214-884-8258.

An email can be sent to L2 Trucking Products from the above online web site or direct email:

support@xpresstrucktools.com

L2 Trucking Products has been in business since 2010. Its primary function is to create productivity tools for the trucking industry. These tools are meant to be safe, eliminate mundane tasks and increase productivity. With those three goals in mind a fleet will operate more efficiently allowing for more trucking goods to be delivered in a timely fashion.