Ezy-Lift™

Flat Bed
2000 Lbs

Installation Guide

Patent No.
US 6,799,935 B1

FLAT BED EZY-LIFT 2000

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SAFETY

Caution: Read this entire procedure before beginning work. Always wear safety glasses and use care when working with power tools.

Safety is a primary concern in the design and manufacturing of our products. But remember that all efforts to provide safe equipment can be totally negated by a single careless act of an installer or operator.

Accident prevention and safety are dependent upon the awareness and proper training of the personnel who operate and maintain this equipment. The best safety device is a careful and informed owner/operator.

The Flat Bed Ezy-Lift Model 2000 8.0 lifting system has a rated lift capacity of 2000 pounds.

Overloading the vehicle can cause potential safety hazards! Carefully read all the installation and operating instructions in this manual. Failure to follow safety precautions may result in accidents that may result in property damage, serious injury or death.

Product Specifications

Lifting Capacity	2,000 Lbs. for Flat Bed
Power Supply	12 V DC operation from vehicle battery, 150 amp fuse at vehicle battery
Hydraulic System	Single direction system with directional valve. Two 3” cylinders provide lift rotation.
Crane Winch	Designed for lifting with 159:1 gear ration, full load mechanical brake, 5:1 safety factor.
Cable	1/4” diameter 7x19 construction, galvanized, 15 ft in length with a 1.5 ton eye hoist hook with latch.
Frame	11 gauge steel with powder black finish
Lifting Arm	High strength structural steel
Hub Bushings	Self lubricating bronze sleeve bushings
Remote Control	2 button 4 way control: up/down (Hoist), in/out (Boom) with 10 ft. long cord
Operating Time	From fully retracted to fully extended approximately 45 seconds
Hydraulic Fluid	ATF, OD18 or other clean hydraulic oil with a viscosity of 150 to 360 SUS at 38° C (100° F)
Operating Temp.	Range between -20°F (-29°C) to 150°F (66°C)
System Weight	320 Pounds
Load Clearance	Boom up perpendicular to bed, from winch hook to bed 90 inches
Warranty	One Year

PREPARE FOR INSTALLATION

Completely empty the truck bed. Once empty it is recommended that the bed be power washed prior to installation.

Bed Liners Spray-in bed liners provide an acceptable mounting surface for Ezy-Lift installations. **However, hard plastic drop-in bed liners must be removed from the truck bed in order to provide a solid mounting suitable for installing Ezy-Lift.**

It Takes Two. Several steps in the installation require the help of another person, for example placing components properly, or attaching backing plates under the bed. **Identify all components** supplied in the installation kit and match them with the parts list. If any components are missing, contact Ezy-Lift Tech Support at 713.589.9449 before beginning installation.

Park the truck on a level surface and set the parking brake and chock the wheels for safety.

Tools Needed

Rivet Nut Tool (Dodge Only)	Metric Allen Wrench Set
Drill	Standard Open End Wrench Set
Tape Measure	Metric Open End Wrench Set
Ratchet	1” Hole Saw Bit
Rasp	Rubber Mallet
Standard Socket Set	Drill Bit Set
Standard Allen Wrench Set	

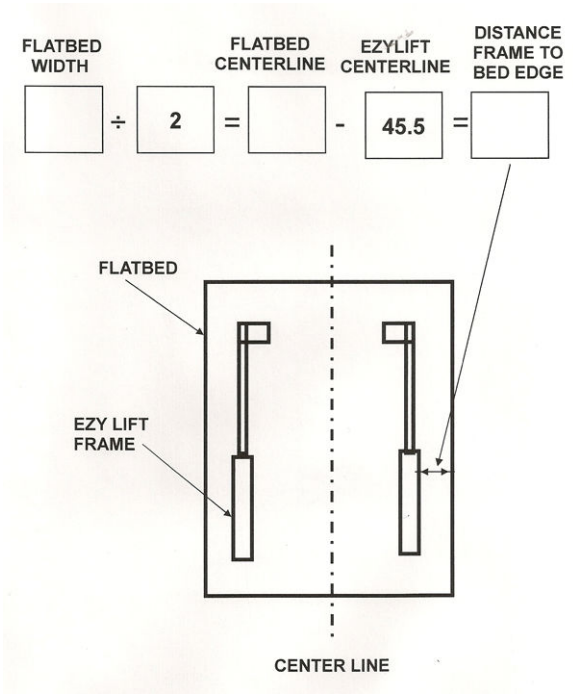
Attaching Pieces Included

Description	Description
5/16x1-1/4 Button Head Screw	5/16 Flat Washer
1/4x3/4 Button Head Screw	1/4 Split Lock Washer
3/4 Self Tapping Screw	Rubber Grommets
5/16 Rivet Nut	Black Tie Wraps
5/16 Hex Nut	1/4 KEP Nut

Extra Parts The Ezy-Lift is shipped with a few extra attaching parts i.e. screws, washers, nuts, and bolts to ensure that there is enough to complete the installation. Having leftover attaching parts is normal.

INSTALLATION

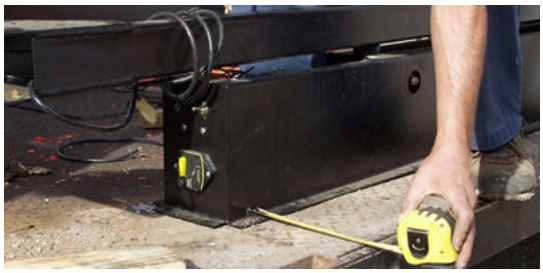
The unit installed is exactly 91" wide at the outside of the Unit Frame base. Use the chart below and first measure the width of the Flat Bed and write down that distance in inches in the first box. Divide that number by 2 and write it down as the flat bed width center line. Subtract the Ezy Lift center line (45.5") from the Flat Bed center line and the distance remaining is the distance from the edge of the flat bed that the outside frame edge must be positioned on both sides.



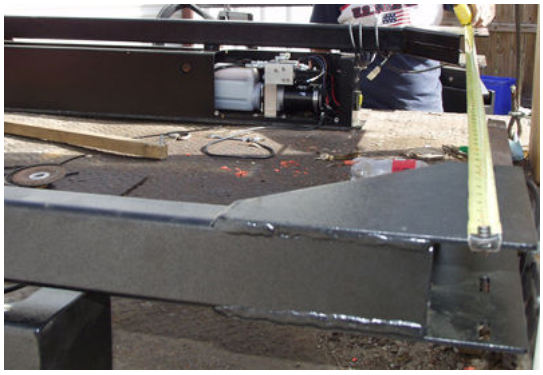
Place the two Unit Arm Frames on the flat bed. The frame without the Hydraulic Pump is on the passenger side of the flat bed.

When determining whether to place the Ezy-Lift closer to the rear of the truck bed or towards the truck cab the decision should be based on the size of the loads mostly hoisted. The larger the <u>dimensions</u> of the load the further back towards the rear of the bed the unit should be mounted. For example, when the unit is installed towards the rear of the bed a larger palate or box can clear the edge of the bed when being loaded.

Locate the chassis cross members under the flat bed, adjust the frames slightly to line up at least two of them with two of the Unit Frame predrilled mounting holes that run the length of both sides of the Unit Frame. Once a determination of the position is made and the Unit Arm Frames are positioned measure the distance between the end of the Unit Arm and the truck cab. In order to leave sufficient room for the Winch Crossbar, this distance cannot be less than 3 inches.



Use the number, (Distance Frame to Bed Edge), arrived at in the equation above and the tape measure and adjust the position of the Unit Arm Frames so that they are exactly parallel with the edge of the bed and exactly the distance from the bed edge the entire length of the frames. With the permanent marker mark the bed through the outside rear frame mounting hole and the inside front frame mounting hole.



Next, with the unit positioned, measure the distance from the outer edge of the front arms to the outer edge of the front arm. The distance should be 85 1/2" within an inch.

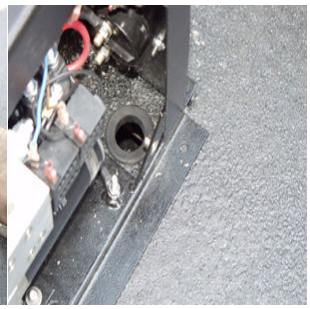
NOTE: Make use of the tape measure. The time to measure is far exceeded by the time to correct an installation error. You cannot measure too many times.

Once it is determined that both of the Unit Frames are correctly positioned, use a 5/16" bit to drill a hole through the marked rear outside Unit Frame mounting hole and loosely secure with the 5/16x4" bolt, washer and nut. Use the tape measure and recheck the alignment of the front of the Unit Frame equidistant from the flat bed edge. Through the Unit Frame mounting hole on the front inside of the Unit Frame drill through the Unit Frame mounting hole and bed then loosely secure with the 5/16" bolt, washer and nuts. Repeat these steps on the Unit Frame on the other side of the flat bed.

Recheck all your measurements:

- End of arm to the cab (minimum 3")
- Outer edge of Unit Frame and flat bed edge both sides
- Distance from outer arm to outer arm in front

If, after measurements are rechecked, it is determined that the Unit Frames' respective positions are correct, look inside the Pump Housing on the driver's side Unit Frame and mark a center point for the hole that the power cords and hydraulic lines will pass through. Do the same thing for the passenger side Unit Frame. Remove the four screws holding the driver's side Unit Frame in position and move the Frame aside. Leave the passenger side Unit Frame in place.



Use the drill and 1" Hole Saw Bit and drill the cord and hose hole where the center point is marked. Once the hole has been drilled use the rasp to smooth the edges and insert the rubber grommet. After these steps, reposition the Unit Frame by aligning the two holes previously drilled with the Unit Frame mounting holes and reinsert the screws attaching with the washers and nuts. This time tighten these screws securely.

Use the drill and hole saw to drill a hole at the center point marked in the passenger side Unit Frame. After creating the hole, use the rasp to smooth the edge and insert the grommet. Now tighten the screws securely on the passenger side Unit Frame.

Take the hose ends found in the space on the passenger side's frame space and pass them down through the hole. Set the hose ends aside.

Find the Unit Frame mounting holes that line up with the chassis cross member. These should have been marked earlier. Drill 5/16" holes through the bed and chassis cross members for all four screws. Insert the screws and securely tighten with the washers and nuts. Repeat these steps on the other Unit Frame. There must be a minimum of four screws, (two on each side) used to secure the Unit Frame to the chassis on each side.

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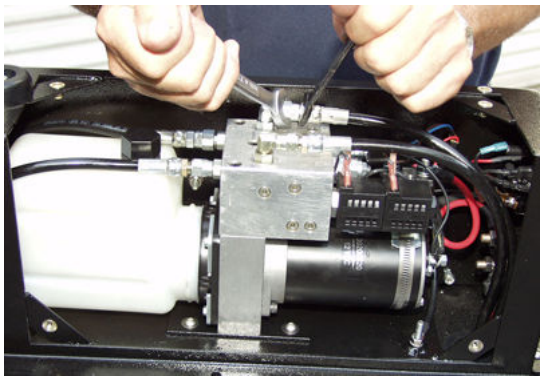
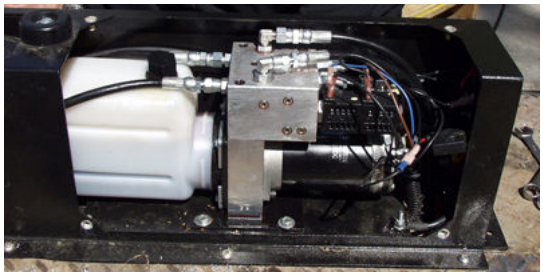
Attach hydraulic hoses



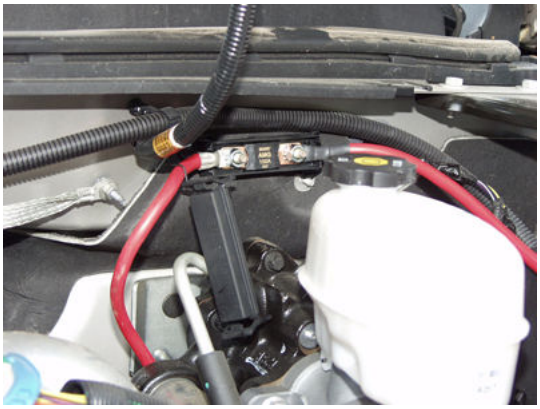
Bring the hydraulic hose ends up through the hole in the Pump Housing to be connected. Remove one of the fitting-plug from one of the hoses, affix the end to the valve fitting and tighten. Repeat with the other hose end. The larger (#6) fitting requires an 11/16" wrench and the smaller (#4) requires a 9/16" wrench.



Once the hose ends are connected to the pump pull the excess hose lengths out of the Pump Housing and bring the slack back to the space in the Unit Frame on the passenger side. Use the tie wraps and secure the hoses to the chassis under the truck, coil the remaining length in the passenger side space and use the tie wraps to hold the coil together.

Connecting the Electrical Cords

Open the red Power Cord package. Locate the long red Power Cord and lay it out the length of the truck cab along side the driver's side. Find the Fuse Box and Fuse and the short Power Cord. Position the short cord from the battery to a clear area of the



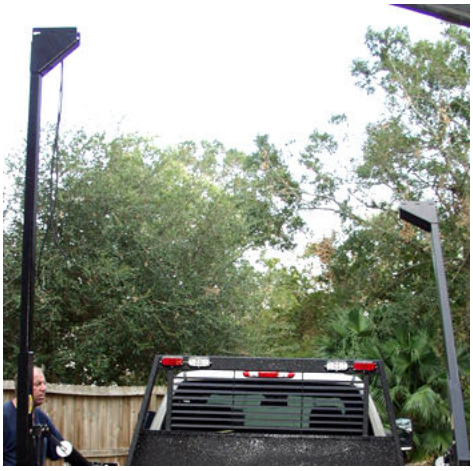
short Power Cord. Position the short cord from the battery to a clear area of the truck's engine compartment firewall. Mount the Fuse Box to the firewall in this area. Connect the short cord to the Fuse Terminal closest to the battery. Pass the end of the long up into the engine compartment and connect it to the other Fuse Terminal. Place the Fuse Box cover on the Fuse Box and secure.

Run the long Power Cord under the truck bed and attach it to the chassis with the supplied tie wraps. Pass the power cord end through the hole in the bottom of the pump compartment of the Unit Frame.

Feed the positive up through the remaining hole, which should be the hole closest to the tail-gate. Attach the red power to the power terminal marked "Line" on the On/Off Switch. Run the ground line from where it is secured on the lift frame run it down through the same hole and mount it to the chassis under the truck. Insure that the terminal attaching points are clean to bare metal. Connect the Power Cord to the truck's battery terminal.

Check the Remote Control and the Hydraulic Fluid in the Lift Pump

Plug the female fitting into the receptacle on the rear of the pump side frame. Depress and hold the "Boom Out" button.



Both of the unit arms will begin to move up and back towards the rear of the truck bed. It is normal that the arm on the pump side should move at a brisker pace than the other side. Bring the arms all of the way out to the rear. The unit is bled at the factory. **Note. It is important to watch the fluid level in the pump reservoir for the entire movement of the arms. If the fluid level drops too low during the arm movement it will be necessary to bleed the system.**

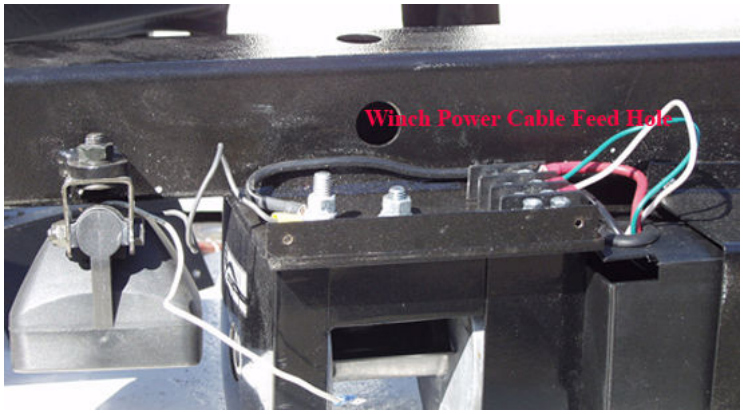
As the arms come out, the hydraulic fluid level in the pump reservoir will drop towards the bottom indentation in the reservoir (indicated by the red line in the illustration). Allowing the fluid level to drop below the bottom indentation may lead to air entering the system. As the level approaches the bottom indentation release the "Boom Out" button to stop the arms. Use the hydraulic fluid provided to refill the reservoir up to the level of the top reservoir indentation indicated by the black line in the illustration.

After the Boom has been extended completely out, depress and hold the "Boom In" button on the remote to bring the arms to the full in position.

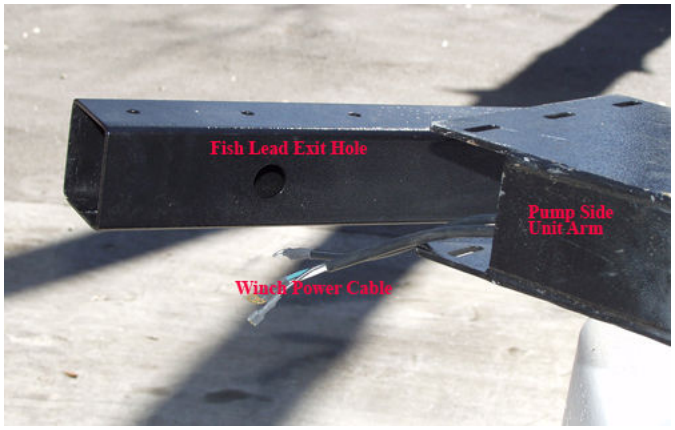
MOUNT THE WINCH CROSSBAR

Use the remote control to bring the arms out to about chest high when standing in the bed. The arm on the pump side will rise much faster than the arm on the opposite side. When the pump side arm reaches the correct height simply hold it down until the opposite side arm reaches a parallel height then release the "boom out" button on the remote.

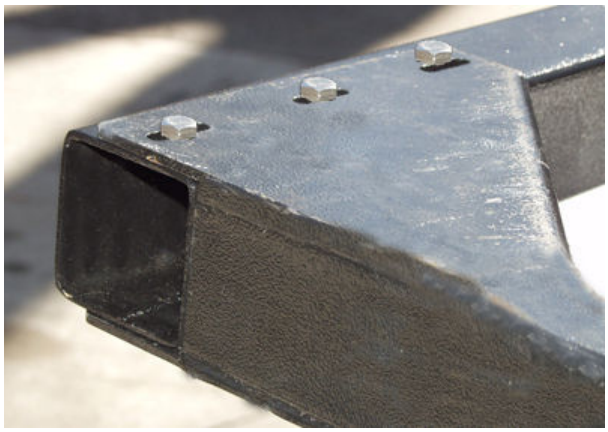
Back out the three screws that secure the Winch Terminal Block Cover. Remove the cover and set it aside.



A fish lead will extend out of the Winch Power Cable Feed Hole and run through the crossbar towards the end that abuts to the pump side arm. There the fish lead exits the cross bar.

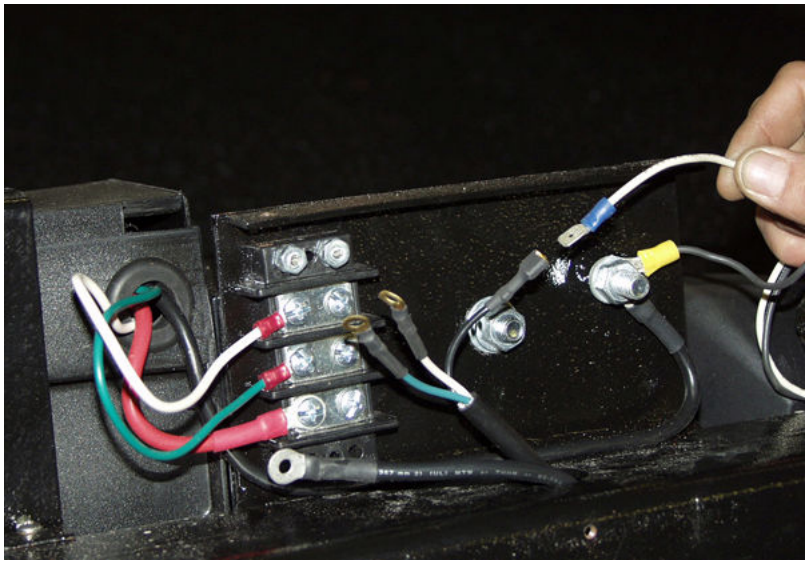


Locate the Winch Power Cable in the pump side arm and pull the ends out of the arm. Connect the power cable to the fish lead and pull the fish lead through the Winch Power Cable Feed Hole. Set the electrical leads aside.



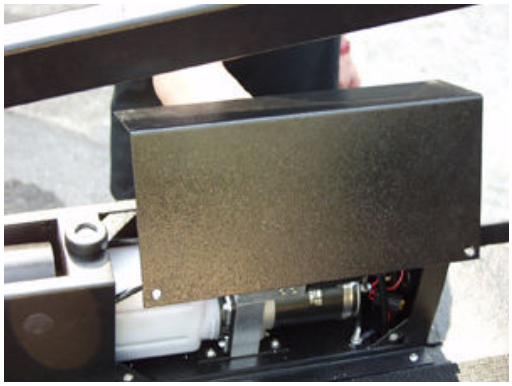
Secure the crossbar to the unit arm brackets with the 5/16” x 4” bolts and the lock nuts. The crossbar fit into the bracket is extremely tight. It may be necessary to tap it in place with the rubber mallet.

After the crossbar is secured insert the plastic caps into the open ends.



Connect the Winch Power Cable leads to the winch terminal block. The black lead connects to the red lead. Connect the green lead to green, the white to white and finally, the blade connection to the blade receptacle.

Finish Frame Construction



Finally, attach the Side Filler Panels to both sides of the Unit Arm Frames.

The installation is complete and the unit is ready to lift, load and go.

Technical Support call: 713.589.9449
Email: techsupport@ezylift.com

KNOW YOUR EZY-LIFT

SAFETY

It is the Owner's/Operator's responsibility to use good judgment in the operation and maintenance of this equipment.

It is the Owner's/Operator's responsibility to instruct and ensure that all operators fully understand the safe operation and maintenance of the Ezy-Lift lifting system. Anyone who operates the equipment must read and fully understand this manual, prior to operating the lift. Failure to observe these instructions and safety procedures can result in serious injury and/or property damage.

Train Ezy-Lift inspection and maintenance personnel for routine and periodic inspections and maintenance. Such training requirements should also provide information for compliance with any Federal, State and Local Code Requirements, existing company safety rules and regulations and instructions furnished for the Ezy-Lift system.

Because Ezylift, Inc. has no direct involvement or control over the Ezy-Lift operation and application, conforming to good safety practices is the responsibility of the owner, the user, and its operating personnel.

It is the responsibility of the Owner/Operator to require that all personnel that will install, inspect, test, maintain, and operate the Ezy-Lift devise read the contents of this Owner's Manual.

Only those authorized and qualified personnel who have shown that they have read and have understood the owner's manual and that they understand the proper operation and maintenance of the Ezy-Lift should be permitted to operate the Ezy-Lift.

<u>General Safety Information</u>

Read and save all instructions

Do not engage in any practice that will divert your attention while operating Ezy-Lift

Do not overload. Overloads can cause damage and create unsafe operating conditions. Ensure that the rated load capacity of any sling, lifter or fitting is not exceeded. Learn to use Ezy-Lift. Take time to practice so that you are comfortable with the operating system.

Do not allow the wire winch cable to slide through bare hands. Use leather gloves when handling the winch cable.

Never allow children or unauthorized personnel to operate the system at any time.

Do not use the unit for lifting, supporting or transporting people.

Never stand beneath the load or Ezy-Lift frame or use over areas where people are present.

Do not work under load unless the load is supported by blocks, jacks or a solid footing that will support the entire weight.

Use caution, Keep people, pets and property clear of the path of the load, keep the work area clear and free of obstructions.

Do not use for supporting an unattended load.

Do not use for towing other vehicles

BEFORE OPERATING

Visually inspect the hook, winch cable, winch and accessories for any damage or wear. Reject nylon slings with abnormal wear, torn stitching, broken or cut fibers or discoloration or deterioration. Reject wire-cable with kinking, crushing, bird-caging, or other distortions, evidence of heat damage, cracks, deformation, or worn end attachments, six randomly broken wires in a single cable lay, three broken wires in one strand of cable, cracked hooks and hooks open more than 15% at the throat.

Ensure that the truck's cargo bed and suspension system are in good condition, i.e., shocks, springs, etc.

Check to see that all fasteners are secure and that the gusset screws are all tight

Check for any evidence of hydraulic fluid leaks

MOVING A LOAD

Center the hook over the load to keep the cable from slipping out of the drum grooves and overlapping, and to prevent the load from swinging when it is lifted. Inspect the drum to verify that the cable is in the grooves.

Lift the load only high enough to clear the tailgate or rear of the cargo bed.

Avoid putting fingers arms in pinch points between Ezy-Lift arm frame and top of cargo box.

Do not stand in cargo bed when loading or unloading.

Avoid side pulls. These can cause the winch cable to slip out of the drum groove, damaging the wire or destabilizing the winch.

Never leave suspended loads unattended. In an emergency where the Ezy-Lift has become inoperative. If a load must be left suspended for any length of time, barricade and post signs under the load and on all three sides. Turn off the truck and lock it so it cannot b moved.

Never move truck with a suspended load.

OPERATION

Your Ezy-Lift system operates from the vehicles12-volt battery, which provides power to the crane winch and the hydraulic power unit. The hydraulic unit is completely self-contained with a DC motor, gear pump, reservoir, load hold checks and relief valves to prevent overloading. Flow from the pump to a pair of double acting cylinders, provides the lift and rotation necessary to extend and retract the lift arms via the hand held remote control. **Using the unit under low voltage conditions can reduce the life of the hydraulic pump and winch.**

TURN THE OFF/ON SWITCH ON

Step 1: Position your truck to allow the entire loading or unloading operation to be performed without having to move the vehicle. Ideally the truck will be on level solid ground. Make sure that there is adequate overhead clearance for the lift arms.

Step 2: Set the truck's parking brake and leave the engine running so as not to discharge the battery.

Step 3: Open the truck's tailgate. This is very important to prevent damage to the truck or the cargo. **In some instances it is preferred to remove the tailgate prior to loading cargo.**

Step 4: Plug the remote control assembly into the power/control jack that is located on the driver's side, near the top of the tailgate opening. The unit is now ready to be operated.

The Remote Control unit has two rocker buttons, one for the boom and one for the hoist. Each button is double acting with the following commands: Boom In, Boom Out, Hoist Down and Hoist Up. To activate the Lift Arms, press and hold the "Boom Out" control button. This will cause the arms to rise from their parked position and rotate out over the truck bed approximately 150°. To reverse the process and return the lift arms to their parked (down) position, simply press and hold the "Boom In" control button until the arms are fully down. Similarly, to activate the Crane Winch, press and hold the "Hoist Down" control button to lower (unwind) the wire and the "Hoist Up" control button to raise (wind) the . Both the lift Arms and the Crane Winch can be stopped in any position by simply releasing the control button.

Become comfortable with operating the system, practice moving the arms in and out, raising and lowering the wire cable. Attaching a small load or providing tension to the winch's hook when raising and lowering the wire cable will help keep the wire cable tightly wound on the drum. Make sure that the wire winds evenly across the entire surface of the winch drum.

Step 5: Now that you are familiar with the controls, press and hold the "Boom Out" control button to raise the lift arms and position them over the object lifted.

Ensure that the winch is positioned directly above the center of the load to be lifted in order to prevent the load from swinging as it is hoisted from the ground. A swinging load could cause injury and/or property damage.

For large objects it may be necessary to remove the truck's tailgate in order to correctly position the winch above the load. Failure to do so may cause damage to your vehicle and/or cargo.

Step 6: With the Lift Arm and Winch now centered over the load, press and hold the "Hoist Down" button to lower the wire cable's hoist hook into position for attaching to the load. Keeping tension on the wire cable while it unwinds will prevent slippage of the wire cable once the load is attached.
Never wrap the lifting cable around the load. Use a nylon sling or metal chain attached to the load to hook onto. Wrapping the wire cable around the load and hooking it back onto itself can damage the cable and create a potential safety hazard.

Never attach a sling or chain link on the tip of the lifting hook or attempt to lift a load from the tip of the hook. Make sure that the nylon sling or chain is properly seated in the saddle of the hoist hook.

Step 7: With the load now attached, press and hold the "Hoist Up" button. Slowly take up slack in the wire cable until it becomes taut. Keep tension on the wire cable during this process and make sure that the cable winds evenly across the drum. Stop. Recheck all lifting connections before proceeding to lift the load.

Step 8: When sure that all the lifting connections are secure, slowly "Hoist Up" the load from the ground just high enough to clear the truck's tailgate.

Step 9: Press and hold the "Boom In" button to move the load onto the truck bed. Use the "Hoist Down" button to keep the load low during the process. Once the load is at the desired position, release the "Boom In" button to stop the lift arms.

Step 10: Slowly lower the load onto the truck bed by pressing and holding the "Hoist Down" button. Once the load is resting safely in the truck bed, disconnect the wire cable's hoist hook from the load.

Step 11: "Hoist Up" to rewind the wire cable on the winch spool. DO NOT OVERWIND as this could damage the winch and/or wire cable. Keep tension on the cable and apply tension to insure that it winds evenly. This will allow the wire cable to rewind smoothly on the winch spool.

Step 12: Return the lift arms to their parked position using the "Boom In" button.

Step 13: Remove the remote control from the power jack and store it in a clean, dry, location.
To prevent unauthorized use of the unit, never leave the truck unattended with the remote control inserted into the power jack. Lock the remote control in the truck.

Avoid pulls from angles, as this can damage the lift arms. Continuous pulls at angles will also cause the wire cable to pile up at one end of the drum. This can jam the wire cable and damage the winch and/or cable .

Always maintain at least five (5) wraps of the wire cable on the winch drum, otherwise the wire cable drum fasteners will not withstand the load.

Ezy-Lift Inspection & Maintenance

Ezy-lift is designed to give years of carefree operation. However, as with any mechanical product, periodic inspection and maintenance is required to keep the unit in its best operating condition.

Here are a few tips that owners/operators should periodically perform to keep the unit in top condition. Please review this information. If you should have any questions please contact us during normal business hours, Central Standard Time, Monday through Friday, excluding holidays.

INSPECTIONS

Routinely check the screws at the gusset which attach and strengthen the cross arm assembly to side arms.
Lifting vibration can cause these screws to loosen over time.
Loose screws could result in the separation of the cross arm from the side arm(s) under load.
Periodically check winch installation and lift arms to assure that all bolts are tight.

WIRE CABLE

Wire Cable consists of a core, strands, and wires that comprise a strand. The wire cable fits and wraps onto grooves on the circumference of the hoist drum that transmits motion to the wire cable. Wire cable sizes are stated as the diameter of a circle that would enclose the wire cable strands, i.e. 5/16 in., 3/8 in., etc. Each wire cable size is available in various cable constructions and materials.

Routinely check that the winch wire cable has not become loosely wound. Under load, a loosely wound spool allows the wire cable to work its way down into the layers of wire cable on the drum. This can cause the wire cable to become wedged within the body of the windings on the spool and damage the wire cable. Keep tension on the wire cable during unwinding and rewinding. A good practice is to inspect and rewind the wire cable under tension after each use.

Routinely check to see that the wire cable is evenly wound on the drum and not bunched to one side of the winch drum. During winding of the wire cable check to see that the cable is winding evenly on the drum. If necessary rewind the wire cable under tension making sure that the cable is evenly placed across the width of the winch drum.

Routinely check the wire cable for evidence of kinking or damage. Replace any cable found to have evidence of kinking or damage.

Loosely wound spool or cable wound at one end of the winch drum allowing it to become wedged can damage the wire cable and could cause it to break under load resulting in the potential for both property damage and injury.

Fraying and kinking reduces the load capacity of the wire cable. Replace the wire cables immediately if either condition is found.

When replacing the wire cable, be sure to insert the attaching end of the wire cable into the correct end of the drum hole (See Figure 2). Tighten the set screws securely. Always use a wire cable with minimum break strength of at least 5,600 lbs.

Use heavy leather gloves when handling wire cable. Do not allow the wire cable to slide through bare hands.

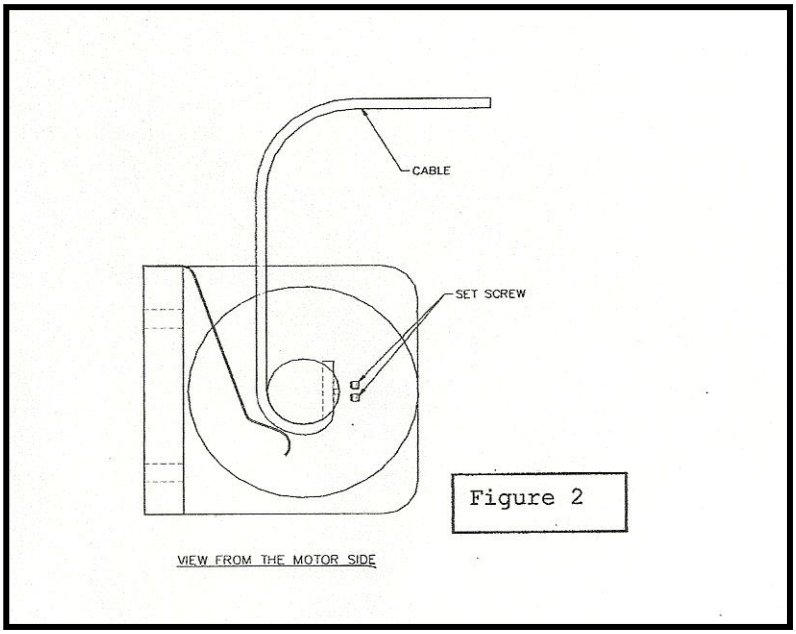


Figure 2

Ezy-Lift's Hydraulic unit is completely self-contained and requires no maintenance. However, periodic inspection of hydraulic cylinders, hoses and fittings for any sigh of leakage is recommended.

Periodically check the oil level in the fluid reservoir and add as needed to maintain full capacity. The hydraulic pump and fluid reservoir are located directly behind the cover hatch on the driver's side of the unit. With the cylinders fully retracted (lift arms in the parked position), the reservoir should be approximately 2/3 full (1 to 1-1/2 inches beneath the filler inlet) See Figure 3. Do not overfill. Adding too much oil could cause the reservoir to overflow when your vehicle is in motion. Use automatic transmission fluid with a viscosity range of 150-300 SSU at 100° F.

MAINTENANCE

Your Ezy-Lift lifting system should b serviced every 2 years or 400 hours of normal operation. That maintenance includes:

Inspect and lubricate bearings

Check all hydraulic fittings for leaks or signs of wear, tighten or replace as necessary.

- Inspect hydraulic power unit and reservoir for leaks or damage, repair or replace as necessary.

Replace hydraulic fluid and inspect old fluid for signs of problems

- Check cylinder for leaks and inspect cylinder rod for evidence of wear or damage, repair or replace as necessary.

Inspect for corrosion and treat as necessary

Inspect electrical system for corrosion or damage and repair or replace as necessary.

Inspect all bolts, including frame attachment to cargo bed, frame to arm assemblies, gusset and winch, tighten and/ or replace as necessary.

Inspect winch housing and motor for any signs of wear or problems, repair or replace as necessary.

TROUBLE SHOOTING

Problem	Possible Cause	Possible Solution
Lift Arms will not raise or lower	Unit Off/On switch is "Off"	Turn the switch "On"
	A.) Remote Control assembly not properly plugged in	Remove and re-insert the Remote Control assembly
	B.) Poor electrical connection	Check & repair or replace the Remote Control assembly
	C.) Vehicle battery charge is low	Recharge or replace battery
	D.) Fuse at vehicle battery blown	Replace Fuse
	E.) Faulty contactor	Contact factory authorized agent for repair or replacement
Winch will not operate or it runs in one direction	A.) Remote Control assembly not properly plugged in	Remove and re-insert the Remote Control assembly
	B.) Poor electrical connection	Check & repair or replace the Remote Control assembly
	C.) Vehicle battery charge is low	Recharge or replace battery
	D.) Fuse at vehicle battery blown	Replace Fuse

WARRANTY

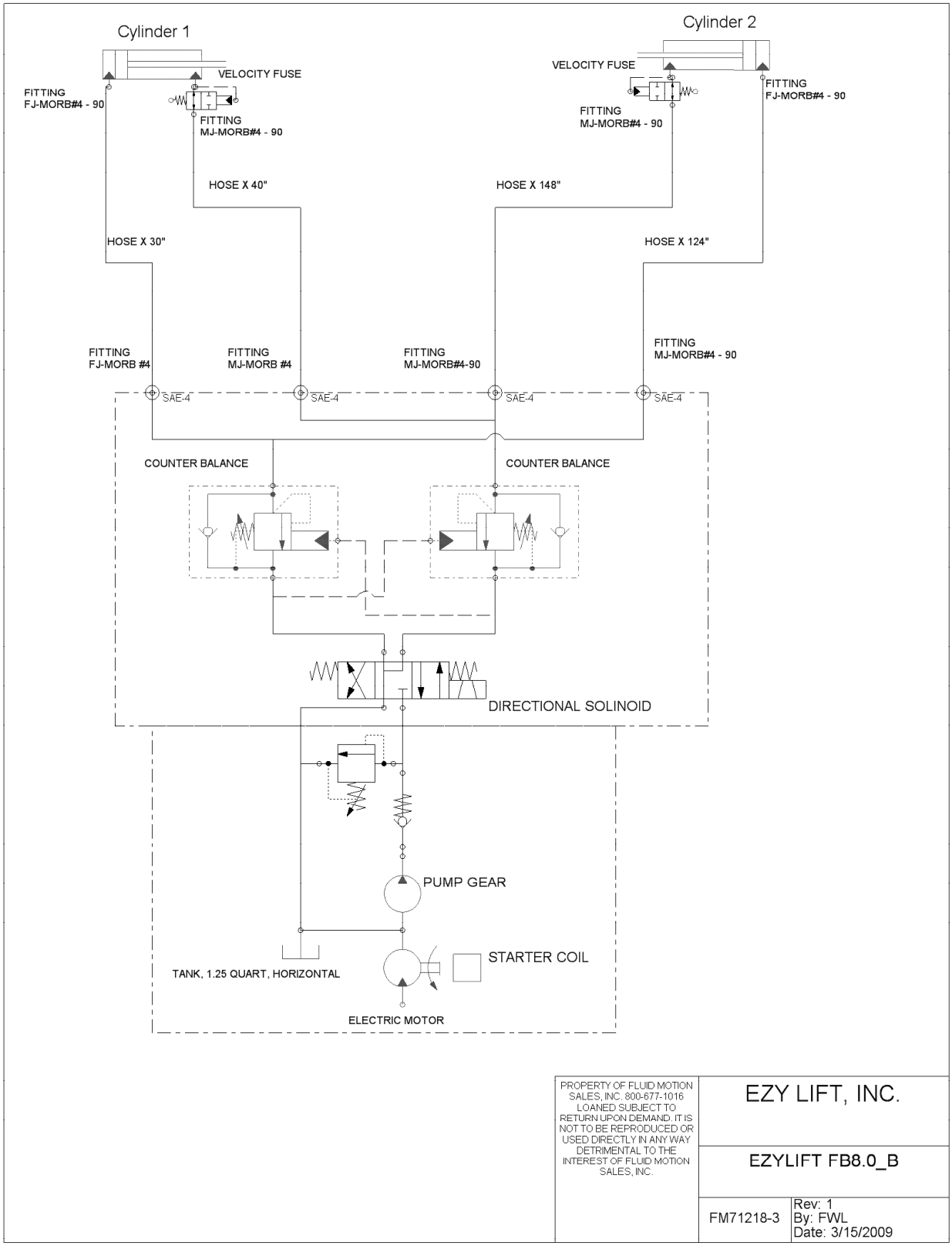
Ezy-Lift, Inc. warrants the Ezy-Lift product to the original Buyer against defective materials and parts for one (1) year from the date of purchase Ezy-Lift's sole and exclusive liability, and the Buyer's sole and exclusive remedy, under this warranty, is the repair or replacement of any materials or parts determined to be defective. In no event shall Ezy-Lift be liable for incidental or consequential damages, including, but not limited to, inspection or transportation cost, cost of cover, loss of profits, loss of use, and damages or injury of any kind based upon claim for breach of warranty.

This warranty does not cover breaking or fraying of the wire cable, cost of labor for field repairs, transportation charges in connection with replacement or repairs of defective parts, or nay damage as a result of misuse, neglect, overloading, accident, impcabler installation, maintenance or repair, unauthorized alteration, or use of the product beyond the range of normal usage.

To obtain warranty service, contact EZY-LIFT at 713.589.9449 during business hours, 8:00 AM till 5:00 PM, Central Standard Time, Monday thru Friday, excluding holidays. Be prepared to provide: (1) name, address, and phone number; (2) proof of purchase; (3) unit serial number; and (4) an explanation of the problem.

This warranty is the only warranty made by Ezy-Lift and it cannot be amended or amplified by any party.

Hydraulic Diagram



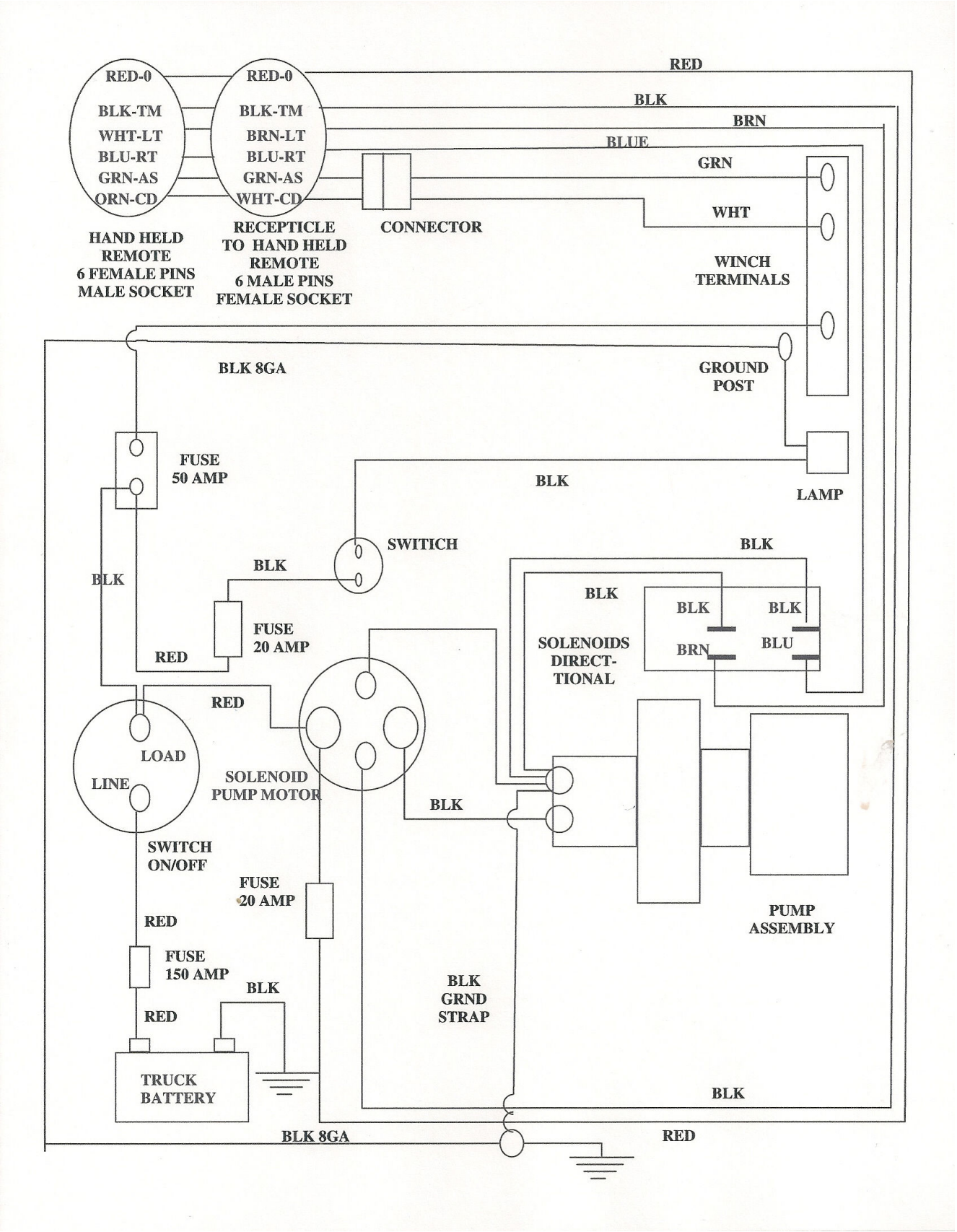
EZY LIFT, INC.

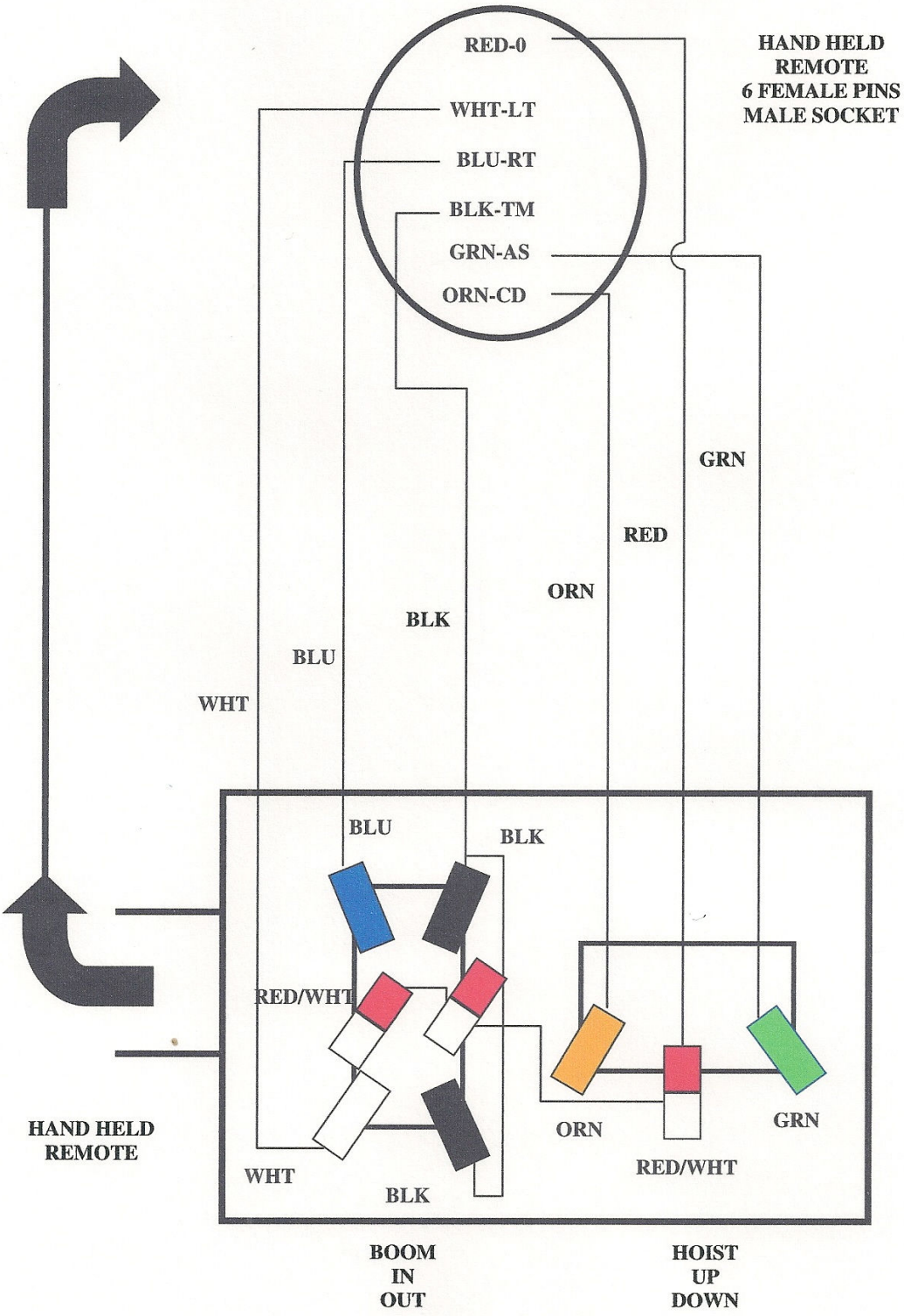
EZYLIFT FB8.0_B

FM71218-3

Rev: 1
By: FWL
Date: 3/15/2009

Electrical Diagram




RED-0
WHT-LT
BLU-RT
BLK-TM
GRN-AS
ORN-CD
HAND HELD
REMOTE
6 FEMALE PINS
MALE SOCKET
GRN
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ORN
BLK
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WHT
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BLK
RED/WHT
HAND HELD
REMOTE
WHT
BLK
ORN
GRN
RED/WHT
BOOM
IN
OUT
HOIST
UP
DOWN