

Easy Lift Equipment Co., Inc.

2 Mill Park Court, Newark, Delaware 19713 - Phone: 800-233-1800 / 302-737-7000

EASYLIFT ECONOMY DRUM TRANSPORTER WITH EG1 OR EG2L OPERATION & MAINTENANCE INSTRUCTIONS



EASY LIFT EQUIPMENT EASYLIFT ECONOMY DRUM TRANSPORTER WITH EG1 OR EG2L OPERATION & MAINTENANCE INSTRUCTIONS

INTRODUCTION

EasyLift economy drum transporters utilize an automatic clamping mechanism for handling steel, plastic, or fiber chimed drums. These models vary in capacity of up to 800 lbs. The specification plate affixed to each unit provides the following information: model number, serial number, unit weight, and lifting capacity.

This manual contains information to help instruct operators on the proper use and maintenance of your EasyLift economy drum transporter. This manual should be made available to all operators that will use this equipment. Properly following the maintenance procedures will help ensure a safe and reliable service life. Do not operate this equipment until you have read and understand these instructions.

COMMISSIONING YOUR ECONOMY DRUM TRANSPORTER

1. Perform a visual inspection for potential damage, including checking for hydraulic oil leaks.
2. Remove all packing materials, protective strapping, and wood shipping blocks. It is recommended to use protective eye gear when cutting any metal strapping. Then, using a company forklift, carefully lift and remove the drum transporter from the shipping pallet or crate.
3. Check that the ergonomic step-down floor lock is functioning properly by depressing the small portion of the step-down pedal to release the floor lock. To engage the floor lock, depress the large portion of the step-down pedal, which will engage contact with the floor and secure the equipment in place. With the floor lock disengaged, check that the caster wheels are free of obstruction and functioning properly.
4. Verify that lift and lower functions are in proper working order by pumping the larger foot pedal all the way down and allowing it to travel all the way back up in between each pump. Test the lowering function by pressing softly on the small lowering pedal. The lowering pedal is pressure sensitive allowing the operator to control the speed of descent. Pressing down too hard on the lowering pedal while holding a load can cause the clamping mechanism to lower rapidly – use caution.

DAILY SAFETY INSPECTION

1. Perform a visual inspection, checking for any apparent damage to the machine or any hydraulic oil leakage from previous use. Check all hydraulic fittings, components and connections and look under the machine itself for leaks.
2. Ensure that the step-down floor lock is functioning properly and that the wheels are free of obstructions.
3. Perform a visual inspection, checking for any loose or damaged springs and jaws in the clamping mechanism.
4. Verify that lift and lower functions are in proper working order by pumping the larger foot pedal down and up repeatedly. Test the lowering function by pressing softly on the small lowering pedal.

Do not operate your EasyLift Drum Transporter if you notice any unsafe condition(s) that may have been caused by an accident or malfunction from previous use. Immediately report any unsafe conditions or issues with the equipment to your supervisor. Tag the machine properly to keep others from using it until the issue has been corrected.

SAFETY PRACTICES

1. Do not lift loads that exceed the machines' rated capacity.
2. Only lift the drum to the minimum height needed for proper floor clearance while transporting the drum to its destination. Do not transport or move a drum at heights greater than 6" (15cm) above floor level.
3. **Always** keep hands, feet and other objects clear of any pinch points, including mast channel(s), lifting and rotation chains (where applicable), the clamping mechanism(s), lift cylinder and *any* other moving parts. Also keep your hands and feet clear of the lifting area in front of the unit.
4. Do not use the machine on inclined floors having a slope of more than 5 degrees.
5. Never lay the unit down horizontally.

WARNINGS

WARNING: Never lift or suspend loads over people. Stay clear of suspended loads.

WARNING: Do not attempt to operate the equipment beyond its rated capacity.

WARNING: Never move the machine when the load is at its maximum lifting height. Lower the mast so the drum has only the necessary floor clearance for transport.

WARNING: Keep hands and feet away from pinch points, such as mast channel, lifting & rotation chains, clamping mechanism, lift cylinder and any other moving parts.

WARNING: Do not make alterations or modifications to the machine without authorization from Easy Lift Equipment.

WARNING: Do not leave the machine outside in inclement weather for extended periods.

WARNING: Never press the small lowering pedal too hard when lowering a load. The pedal is pressure sensitive allowing the drum to be lowered at a safe, controlled speed. Pressing the lowering pedal too hard could cause the drum to lower rapidly causing property damage or personal injury.

WARNING: Never leave the machine unattended without applying the step-down floor lock. Leaving the machine unsecured may allow it to move inadvertently and cause property damage or personal injury.

WARNING: Never operate the machine on an inclined floor with a slope of more than 5 degrees.

EASYLIFT ECONOMY DRUM TRANSPORTER OPERATING INSTRUCTIONS

TO ENGAGE, PICK AND TRANSPORT A DRUM:

1. To begin, press down on the small lowering pedal of the lift cylinder so the lower clamping jaw rests below the chime of the drum that you want to pick up. If the lower clamping jaw does not lower below the drum's chime, refer to the instructions below for adjusting the height of the clamping mechanism on the mast. Once the clamping mechanism is appropriately set and lowered, approach the drum head-on and push the equipment forward until the clamping mechanism makes full, solid contact against the drum (which will cause the clamping mechanism to collapse downward). Keep the clamping mechanism pressed tightly against the drum and pump the larger foot pedal down and up until the lower clamping jaw engages with the chime of the drum. It is recommended to apply slight forward pressure while raising the clamp to help ensure a secure grip.
2. Continue to pump the larger foot pedal allowing the pedal to travel all the way up and pressing completely down to achieve the full stroke. The weight of the drum on the lower clamping jaw will activate the mechanism causing the upper jaw to clamp down on the chime, securing the drum. After the clamp is securely engaged continue pumping the foot pedal until the drum is elevated slightly above the pallet or floor level for safe travel.
3. Only lift the drum to the minimum height needed for proper floor clearance while transporting the drum to its destination. Do not transport or move a drum at heights greater than 6" (15cm) above floor level.

TO RELEASE DRUMS:

1. Once you have arrived at the required destination, press softly on the smaller lowering pedal. The lowering pedal is pressure sensitive allowing the operator to control the speed of descent. Pressing down too hard on the lowering pedal can cause the drum to lower rapidly, potentially causing property damage or personal injury. Continue to apply pressure to the lowering pedal until the drum contacts the floor (or pallet) causing the upper clamping jaw to retract completely and allowing the drum to disengage from the clamp.

ADJUSTING THE CLAMPING MECHANISM FOR VARIOUS HEIGHT DRUMS:

MODELS WITH A STANDARD ELE ECONOMY MAST:

1. Remove the circle cotter pin & stainless-steel adjusting pin **while holding the clamping mechanism with your other hand (failure to hold the clamping mechanism while removing the adjustment pin could cause the clamp to fall and cause injury)**. Raise or lower the clamping mechanism to the desired available position so that the lower clamping jaw rests slightly below the chime of the drum with the drum at floor level. Re-insert the adjustment pin & circle cotter pin to secure the clamping mechanism into place. The lowest position available with the standard ELE mast design will enable the lower clamping jaw of the clamping mechanism to rest at 19" (48.26cm) in overall height. This will allow you to pick drums where the bottom of the chime rests above 19" from floor level.

MODELS EQUIPPED WITH SCALE SYSTEMS

If your equipment has a scale system, the indicator has already been factory calibrated and tested. The indicator has been disconnected and packaged separately for safe travel. Unpack the indicator from the box and attach it to the mounting bracket. Once securely mounted, connect the corresponding male and female indicator cables. Non-Intrinsically safe scale indicators have internal batteries. Intrinsically safe indicators have external batteries which need to be mounted and have a separate battery cable that needs to be securely connected to the back of the indicator. All scale indicators are provided with a separate set of instructions that are packaged along with the indicator. Please read the scale indicator operations manual for more specific instructions of use.

Turn the indicator "ON" and ensure it reads zero before engaging a drum. Follow the instructions listed above for engaging a drum. If handling drums containing liquids operators should allow the contents of the drum to settle prior to documenting drum weights. This will help ensure the most accurate possible measurements. Most scale indicators are set to display the weight in increments of 0.1 lb. or 0.05 kg. To speed up the process it is recommended to set the indicator to a lower sensitivity. This can be achieved by programming the indicator to read in .5 pounds or .25 kilograms or 1.0 or .5 kg. increments, this will take less time for the indicator to settle on a specific weight.

MAINTENANCE INSTRUCTIONS

1. Before every usage, check that all springs, pins and casters are in good working order and that the hydraulic cylinder works properly and isn't leaking.
2. On a monthly basis, spray light grade oil on moving parts in the clamping mechanism to ensure smooth operation. It is recommended to keep the clamping mechanism lubricated and free from foreign materials which may impede proper operation of jaws and springs.
3. For heavy usage, it is recommended to replace all springs, hydraulic oil and sealing components of the hydraulic cylinder once each year.

EASYLIFT ECONOMY DRUM TRANSPORTER MAINTENANCE CHECKLIST

			Maintenance Intervals			
			1 Mo	6 Mo	12 Mo	3 Years
Structural Steel:	1.1	Check for cracked welds on frame;		X		
	1.2	Check to verify that specification data plates are affixed to the unit;			X	
	1.3	Grease* mast tube.			X	
Clamping Head(s):	2.1	Inspect heads for loose or missing pins, cotter pins, springs, and replace as necessary;	X			
	2.2	Lubricate** clamping mechanisms;	X			
	2.3	Replace all springs;			X	
	2.4	Replace all pins, and links.				X
Wheels:	3.1	Grease* wheels and wheel swivel grease fittings;			X	
	3.2	Check wheels for excessive wear and proper alignment.			X	
Hydraulic Cylinder:	4.1	Check cylinder for leaks and proper operation.	X			

The maintenance intervals refer to normal service conditions.

In high volume usage conditions, the intervals must be increased as required.

* For Non-FDA equipment: NAPA Premium Performance Multi-Purpose Wheel Bearing Grease.

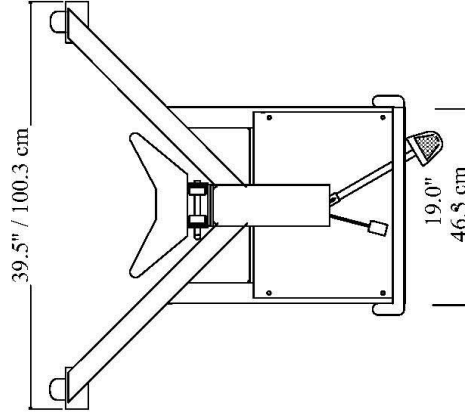
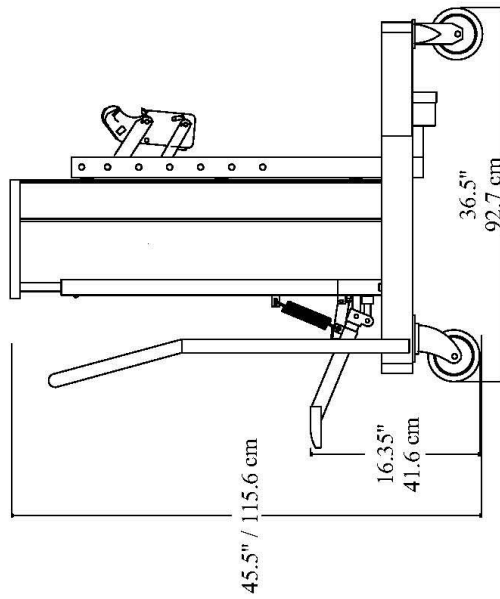
* For FDA (gray color) equipment: Super Lube Synthetic Food Grade Grease with Syncolon PTFE.

** For both Non-FDA & FDA Equipment: WD-40, Berkebile White Lithium Grease or comparable.

Hydraulic Fluid:

Non-FDA equipment: Hydraulic Oil AWG32

For FDA equipment: Food Grade 32/46 Hydraulic Synthetic Lubricant



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Newark, DE 19713

MODEL ELE800

Machine Weight: 325 lb / 147 kg.
Capacity 800 lb / 363 kg.
Drum Lift Height: 20 in. / 508 mm
spec. drawing 07122011-3

CUSTOMER AUTHORIZATION REQUIRED FOR PRODUCTION

COMPANY

SIGNATURE

QUOTE #

PURCHASE ORDER

DATE

Easy Lift Equipment Co., Inc.

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Operator's Daily Checklist

Drum Transporter (Foot Pump) with Eagle-Grip® Clamp, V-Pan or Roll Post

Inspections Performed by: _____

Note: This inspection must be made by the equipment operator **daily** at the start of the shift. Check (✓) the appropriate "OK" or "Needs Repair" field.

This Daily Checklist is intended to help verify that the equipment is in proper working order each day.

More thorough Weekly, Monthly and Yearly Maintenance schedules should still be followed.

VISUAL CHECK		DATE: / /		/ /		/ /		/ /		/ /		/ /		/ /	
		OK	Needs Repair	OK	Needs Repair	OK	Needs Repair	OK	Needs Repair	OK	Needs Repair	OK	Needs Repair	OK	Needs Repair
VISUAL CHECK: FRAME & MAST	DATA PLATES & WARNING DECALS - Data Plates & Warning Decals are affixed to the unit and in good condition														
	DAMAGE - Look for bent, dented or broken parts. This includes hydraulic lines, electrical wires, frame welds, wheels, & bolted connections														
	LIFT CHAIN - Visually ensure lift chain is connected and not loose														
	LIFT CYLINDER & FOOT PEDALS - Ensure that the hydraulic lift cylinder & both foot pedals appear in operable condition														
	LEAKS - Check for any leaking oil, hydraulic fluid or battery acid (if applicable)														
	GUARDS - Verify that all chain guards are in place and in proper condition														
VISUAL CHECK: EAGLE-GRIP CLAMP	CLAMP DAMAGE - Look for bent, dented or broken clamp components. This includes the clamp housing, the upper and lower clamping jaws, retaining pins, cotter pins, and springs														
	CLAMP PINS - Confirm that all retaining pins and cotter pins are accounted for and secure														
VISUAL CHECK: V-PAN OR ROLL POST	V-PAN/ROLL POST DAMAGE - Look for bent, dented or broken components. This includes all welds and bolted connections of both the V-Pan assembly and the Roll Post and mounting receiver, including all applicable safety pins, retaining pins, latching pins and cotter pins														
	V-PAN/ROLL POST PINS - Confirm that all applicable safety pins, retaining pins and cotter pins are accounted for and secure														
VISUAL: SCALE	SCALE SYSTEM & PRINTER - If applicable, confirm that the scale and printer as well as all wires, and cables are in good condition and properly connected														

Checklist Continued on Next Page

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Operator's Daily Checklist (cont.)

Drum Transporter (Foot Pump) with Eagle-Grip® Clamp, V-Pan or Roll Post

DATE:		/		/		/		/		/		/		/	
OPERATIONAL CHECK		OK	Needs Repair	OK	Needs Repair	OK	Needs Repair	OK	Needs Repair	OK	Needs Repair	OK	Needs Repair	OK	Needs Repair
OPERATIONAL CHECK: FRAME & MAST	FOOT FLOOR LOCK - Verify that the Foot Floor Lock engages and disengages properly														
	WHEELS AND TRAVEL - Confirm that the unit travels properly. Ensure that the wheels are aligned properly, unobstructed, and not damaged														
	LIFT PEDAL - Engage the Lift Pedal and ensure the inner mast raises properly														
	LOWERING PEDAL - Ensure the Lowering Pedal lowers the inner mast when the pedal is depressed														
	MAST - Ensure the clamping head, V-Pan or Roll Post moves smoothly up and down the mast, with no obstruction or unusual noises														
EAGLE-GRIP	EAGLE-GRIP CLAMPING HEAD - Verify that the Eagle-Grip Clamping Head engages and disengages a drum properly. Only lift the "test" drum to the minimum height required while completing this test														
V-PAN OR ROLL POST	V-PAN/ROLL POST FUNCTION - Verify proper function of all V-Pan or Roll Post components, including smooth rotation of the Stainless Steel V-Pan tray (if applicable), as well as proper operation of Roll Post rollers and/or folding capabilities (if applicable)														
SCALE & PRINTER	SCALE SYSTEM & PRINTERS - If applicable, power up the scale and printer. Ensure the scale and printer are in proper working order														

List the details of all required repairs in the comments section below. Then, **tag and decommission the equipment for safety.**

Comments (items needing repair or adjustment):

Caution – If the equipment is found to be in need of repair or in any way unsafe, or contributes to an unsafe condition, the matter shall be reported immediately to the designated supervisor, and the equipment shall not be operated until it has been restored to a safe operating condition. If during operation, the equipment becomes unsafe in any way, the matter shall be reported immediately to the designated supervisor, and the equipment shall not be operated until it has been restored to safe operating condition. Do not make repairs or adjustments unless specifically authorized to do so.

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EASY LIFT EQUIPMENT WARRANTY POLICY FOR MODELS WITH PREFIXES: ED/ER/EL/ELDR/EG & RCR

Easy Lift Equipment (“ELE”) warrants each new product to be free from factory material and workmanship defects, under normal use with proper maintenance, for a period of 12 months. Warranty coverage for this warranty period is provided by authorized dealers and includes parts. Labor is covered for the same periods of 12 months as outlined above. Please call ELE for the authorized repair dealer in your area.

ELE shall be the sole judge of the validity of any claim or defect and may elect to make any replacement or repair of any part thereof that it has agreed to be defective. Wearable Items such as: hoses, bearings, belts, brushes, seals, lift motors, clamp motors, relays, fuses, springs and wheels are wear items not covered under the warranty policy. ELE assumes no responsibility whatsoever to work done, parts replaced, or expenses incurred not specifically authorized by ELE. Normal maintenance or replacement of service items is not covered by this warranty. No warranty claims will be considered for customers with any delinquent outstanding balance. When batteries, battery chargers, scale printers or scale indicators are purchased from ELE with the equipment, the original manufacturer’s warranty applies.

WARRANTY LIMITATION/DISCLAIMERS:

Easy Lift Equipment reserves the right to void warranty coverage if the unit has been overloaded beyond rated capacity; damaged due to: abuse, misuse, neglect, accidents, freight damage, improper usage, improper repair, and/or improper storage; or any modification or repair conducted in a manner not approved by Easy Lift Equipment. Equipment used in freezers, abrasive, corrosive, and/or excessively moist conditions must be properly equipped for the environment to ensure the warranty is not voided. Warranty questions and claims should be directed to our customer service department. ELE customer service representatives will help you assess and resolve the claim or assist you in contacting the local authorized dealer or representative. The warranty described here shall constitute the sole remedy of the authorized dealer and/or the initial purchaser. ELE neither assumes nor authorizes any person to assume for it any other obligation or responsibility in connection with this product warranty. In no event shall ELE be responsible for direct, indirect, special or consequential damages or any other delay or any economic or commercial loss resulting from Easy Lift Equipment’s performance or non-performance under this warranty. This warranty is expressly in lieu of all warranties, obligations or responsibilities of ELE dealers or other authorized source, expressed, implied or statutory.

SUBMITTING CLAIMS:

To make a claim under this policy, please contact Easy Lift Equipment for assistance. We can be reached by calling 800-233-1800 ext. 4 for customer service or by writing to sales@easylifteqpt.com. Do not return defective parts unless a return authorization (RA) has been provided requesting the return. If requested, we will provide shipping information on how the part should be returned and bear the expense for the return shipping, if the part is proven to be defective. A copy of the work order made at the time of the repair and parts claimed under warranty may be requested for ELE’s inspection.

ORDERING PARTS:

Easy Lift Equipment’s parts are distributed through our customer service department and ship the same day as ordered whenever possible. You will be well taken care of whenever parts, adjustments or repairs are needed.

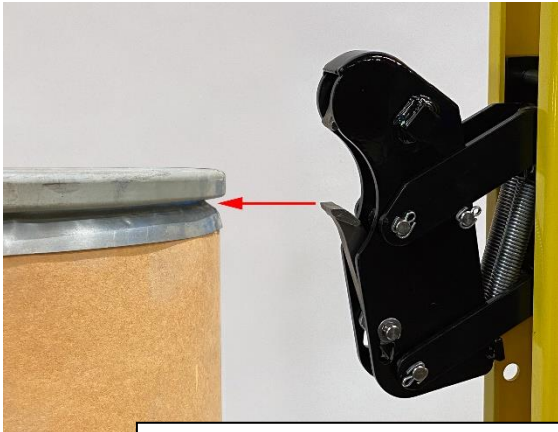
When contacting ELE, please be sure to state the model and serial number for the equipment. There is no cost for electronic copies of replacement manuals, parts lists and other general information containing part numbers and nomenclature. Most manuals contain parts pricing, but it is not guaranteed to be valid as parts pricing can change at any time without notice. Any customer service representative can provide timely parts quotations upon request. Adherence to above procedure will save time and provide prompt assistance when it counts. You are of course always welcome to bring to us any questions, comments or recommendations pertaining to your Easy Lift Equipment products.

MANUFACTURER CONTACT INFORMATION:

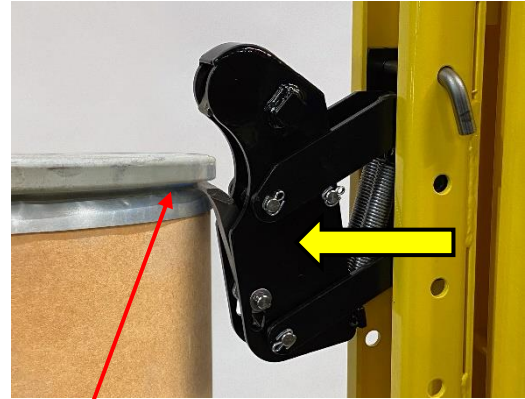
Easy Lift Equipment Co., Inc.
2 Mill Park Ct.
Newark, DE 19713
Email: sales@easylifteqpt.com

Phone: 800-233-1800: 302-737-7000
Fax: 302-737-7333
Website: www.easylifteqpt.com

EASY LIFT EQUIPMENT FIBER DRUM EG1 CLAMPING PROCEDURE



1. Raise the clamping mechanism until the lower jaw is just high enough to contact the metal skirt just below the locking band.



2. Then move the clamping mechanism forward so the lower jaw contacts the metal skirt under the drum's locking band and proceed to elevate the drum upward.



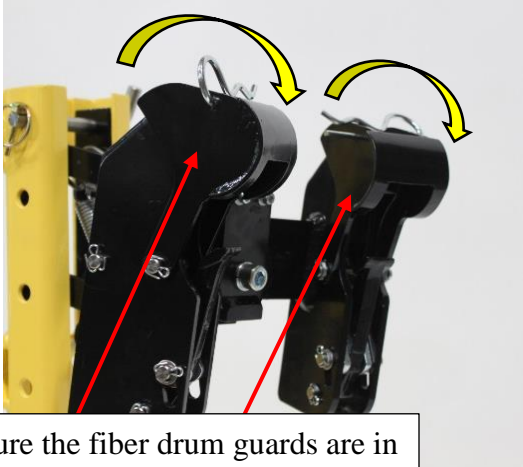
3. Maintain slight forward momentum while raising the drum so the lower clamping jaw maintains contact with the metal skirt. Do not allow the lower jaw to contact the paper portion of the fiber drum when elevating the drum.

IMPORTANT:

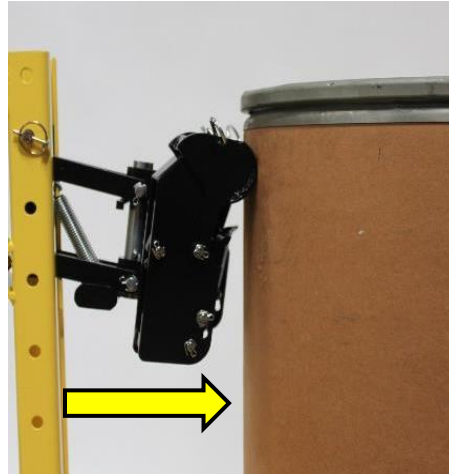
It is important that the lower jaw does not contact the paper portion of the drum when raising the clamping mechanism. Keep the lower jaw away from the paper portion of the drum until the lower jaw of the clamping mechanism is high enough to contact the metal skirt below the locking band.

Then push the clamping mechanism forward to contact the skirt. Once contact has been made, proceed to elevate the clamping mechanism. If the lower jaw contacts the paper portion of the drum when elevating the drum, the clamping mechanism will attempt to clamp the drum in this position and miss or tear the skirt. If this is done incorrectly, lower the clamp and try again. The clamping mechanism can also grip the drum without the lid and locking band.

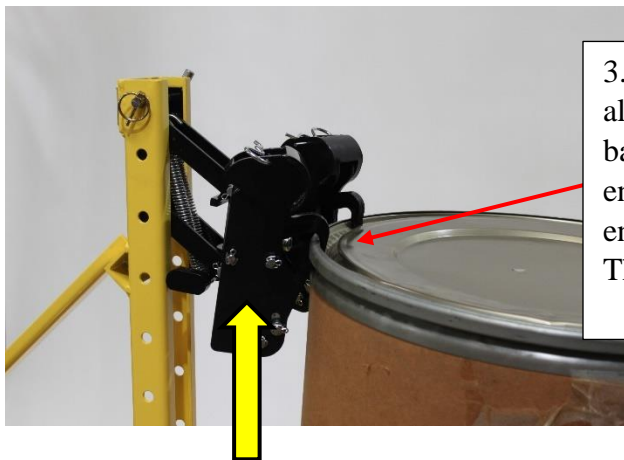
EASY LIFT EQUIPMENT FIBER DRUM EG2L CLAMPING PROCEDURE



1. Ensure the fiber drum guards are in the forward position (closer to the clamp) and the cotter pins are locking the guards in place. The guards should always be in this position when handling fiber drums. The guards can be in the rearward position (closer to the mast) when handling steel or plastic drums.



2. Push the unit forward so the fiber drum guards are contacting the paper portion of the drum.

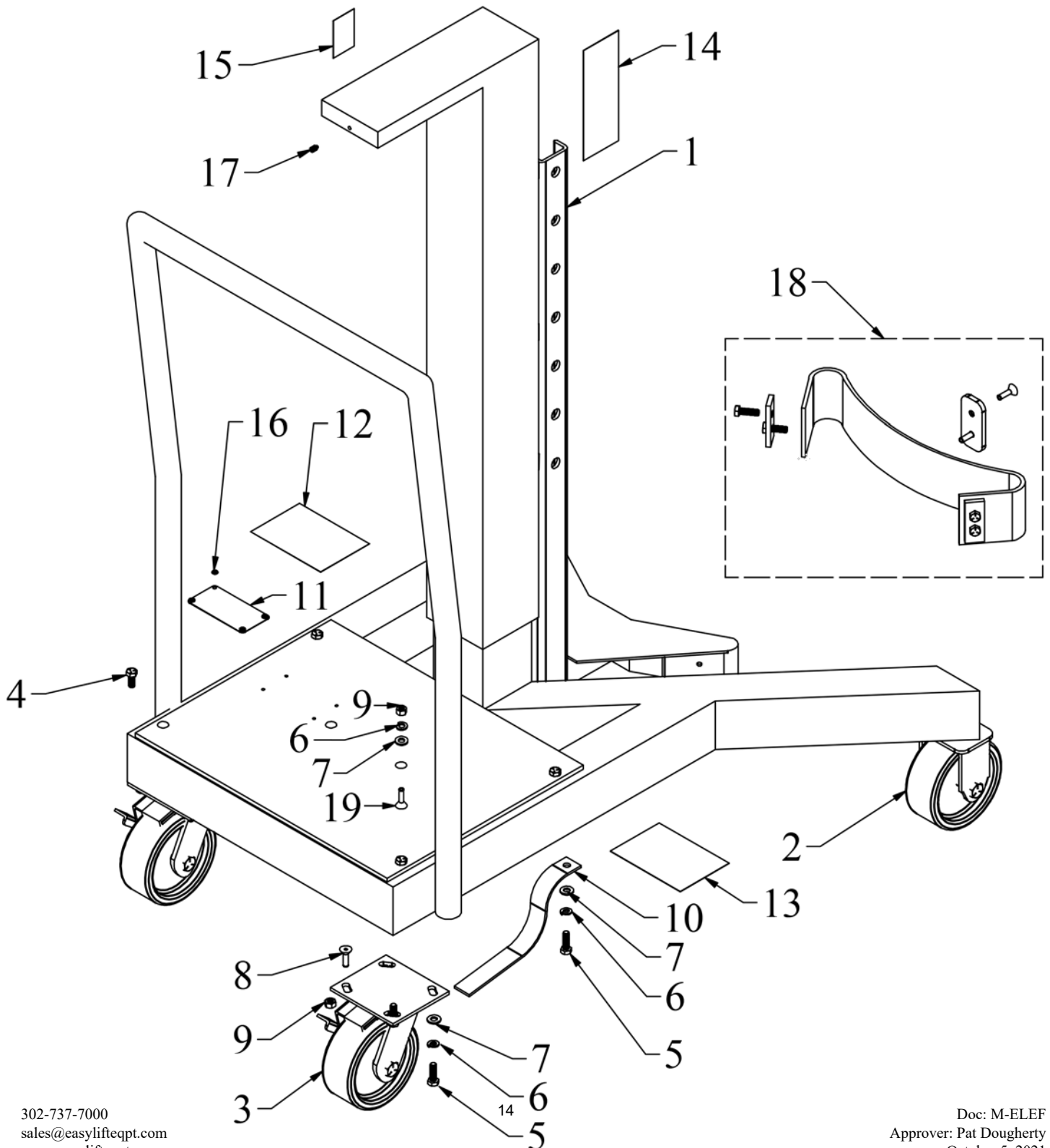


3. Elevate the clamping mechanism(s), allowing them to engage the locking band. After the clamp has fully engaged continue elevating the drum enough to ensure safe floor clearance. The drum can now be transported.

IMPORTANT:

The fiber drum guards, when in the forward position, are designed to prevent the clamp from damaging the fragile paper portion of fiber drums. Great care should still be taken to ensure the clamping mechanism only contacts the metal skirt and locking band.

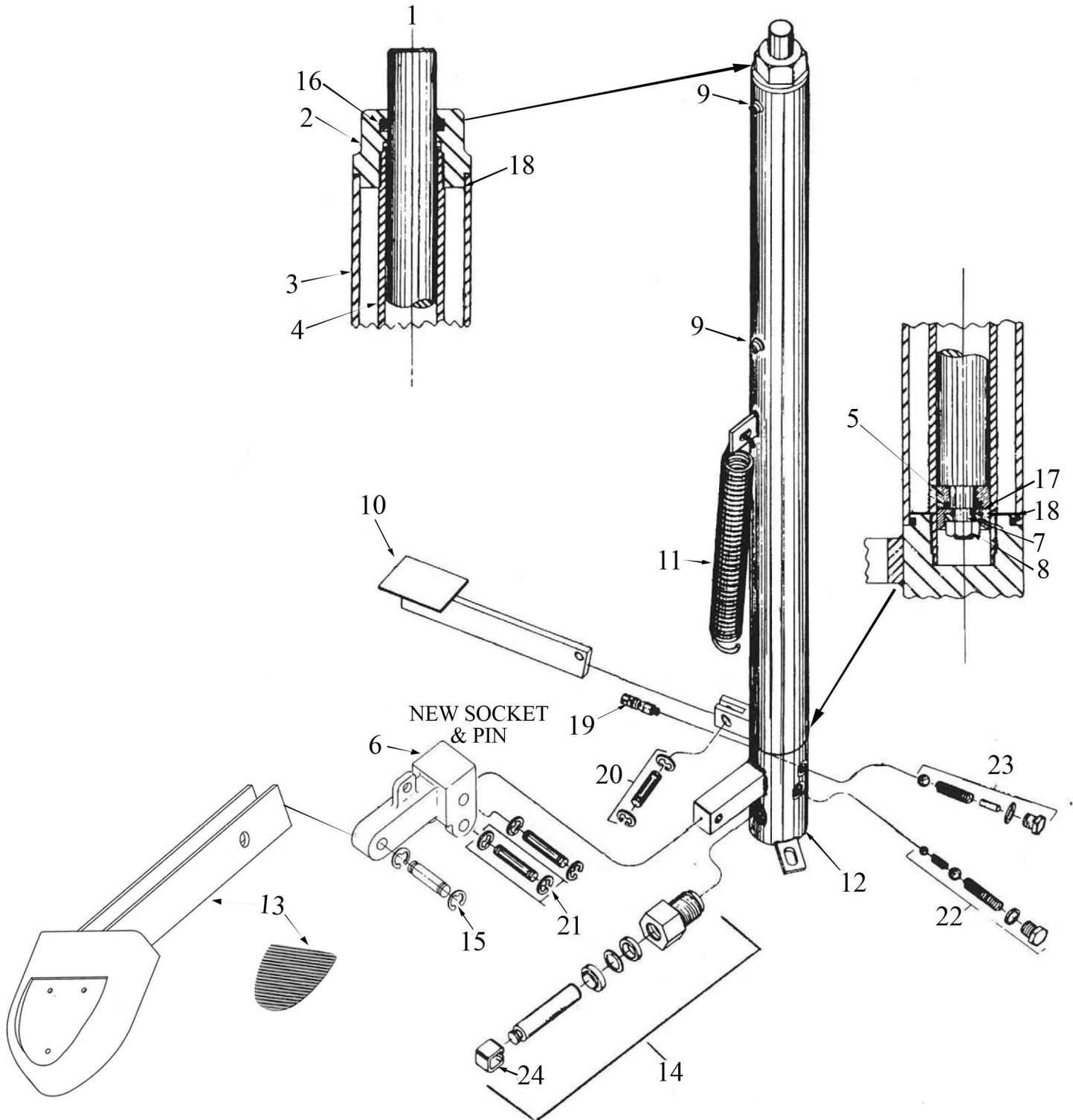
EASYLIFT ECONOMY DRUM TRANSPORTER FRAME ASSEMBLY



EASYLIFT ECONOMY DRUM TRANSPORTER FRAME PARTS LIST

<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1	3530110	ELE Frame (20" lift, foot pump)	1
1	3530111	ELE Frame (20" lift, Air powered)	1
2	16NG05201-R	Rigid Caster 5" x 2"	2
2	CW4-820R-RTRB	Rigid Caster 8" x 2" (Black Plastic)	2
3	16NG05201-SFBA	Swivel Caster 5" x 2" with Brake	2
3	CW44-820S-RTRB	Swivel Caster 8" x 2" with Brake (Black Plastic)	2
4	5/16-18 x 3/4 HHCS	5/16-18 x 3/4 Hex Head Cap Screw Grade 5 (zinc)	4
4	5/16-18 x 3/4 HHCS-SS	5/16-18 x 3/4 Hex Head Cap Screw (stainless steel)	4
5	5/16-18 x 1 HHCS	5/16-18 x 1 Hex Head Cap Screw Grade 5 (zinc)	5
5	5/16-18 x 1 HHCS-SS	5/16-18 x 1 Hex Head Cap Screw (stainless steel)	5
6	5/16 LW	5/16 Lock Washer (zinc)	7
6	5/16 LW-SS	5/16 Lock Washer (stainless steel)	7
7	5/16 FW	5/16 Flat Washer (zinc)	7
7	5/16 FW-SS	5/16 Flat Washer (stainless steel)	7
8	5/16-18 x 1 FSHCS-SS	5/16-18 x 1 Flat Socket Head Cap Screw (stainless steel)	4
9	5/16-18 HN	5/16-18 Finished Hex Nut (zinc)	6
9	5/16-18 HN-SS	5/16-18 Finished Hex Nut (stainless steel)	6
10	S-207	Grounding Strap	1
11	MCL007031	Specification Plate	1
12	ADART002	Attention Read Operations Manual Decal	1
13	ADART800	800lbs Capacity Sticker	1
14	ADART016	ELE Address Decal (Vertical)	2
15	ADART009	Warning 5 Degree Decal for ELE & EL	1
16	6 x 1/4 RU DS-SS	6 x 1/4 Round Head U Drive Screw (stainless steel)	4
17	94115A535	1/4"- 20 x 3/8" Nylon Tip Set Screw	1
18	5516E	Optional: Belt Cradle Kit (includes all hardware)	1
19	5/16-18 x 1 1/4 FSHCS-SS	5/16-18 x 1 1/4 Flat Socket Head Cap Screw (stainless steel)	2

HF500 FOOT OPERATED HYDRAULIC CYLINDER ASSEMBLY



HF500 FOOT OPERATED HYDRAULIC CYLINDER PARTS LIST

<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1	HF500-6	RAM - Specify travel	1
2	HF500-3	Top Nut	1
3	HF500-2	Reservoir Tube - Specify Travel	1
4	HF500-5	Inside Cylinder Tube - Specify Travel	1
5	HF500-8	RAM Cup Support Washer	1
6	HF500-43	Socket	1
7	HF500-9	RAM Cup Washer	1
8	QH525-13	RAM Cup Nut	1
9	HF500-30	Filler Screw & Washer (order quantity of 2)	2
10	HF500-23	Foot Release Lever Assembly	1
11	4206	Spring, Clevis (zinc)	1
12	HF500-1RP	Body Assembly - NOT AVAILABLE	1
13	MK2429-44	Lever Arm with Rubber	1
24	HF500-29SS	Stainless Steel Pump Piston Clip	1

FULL REPAIR KIT

HF500-53RP	Hydraulic Repair Kit
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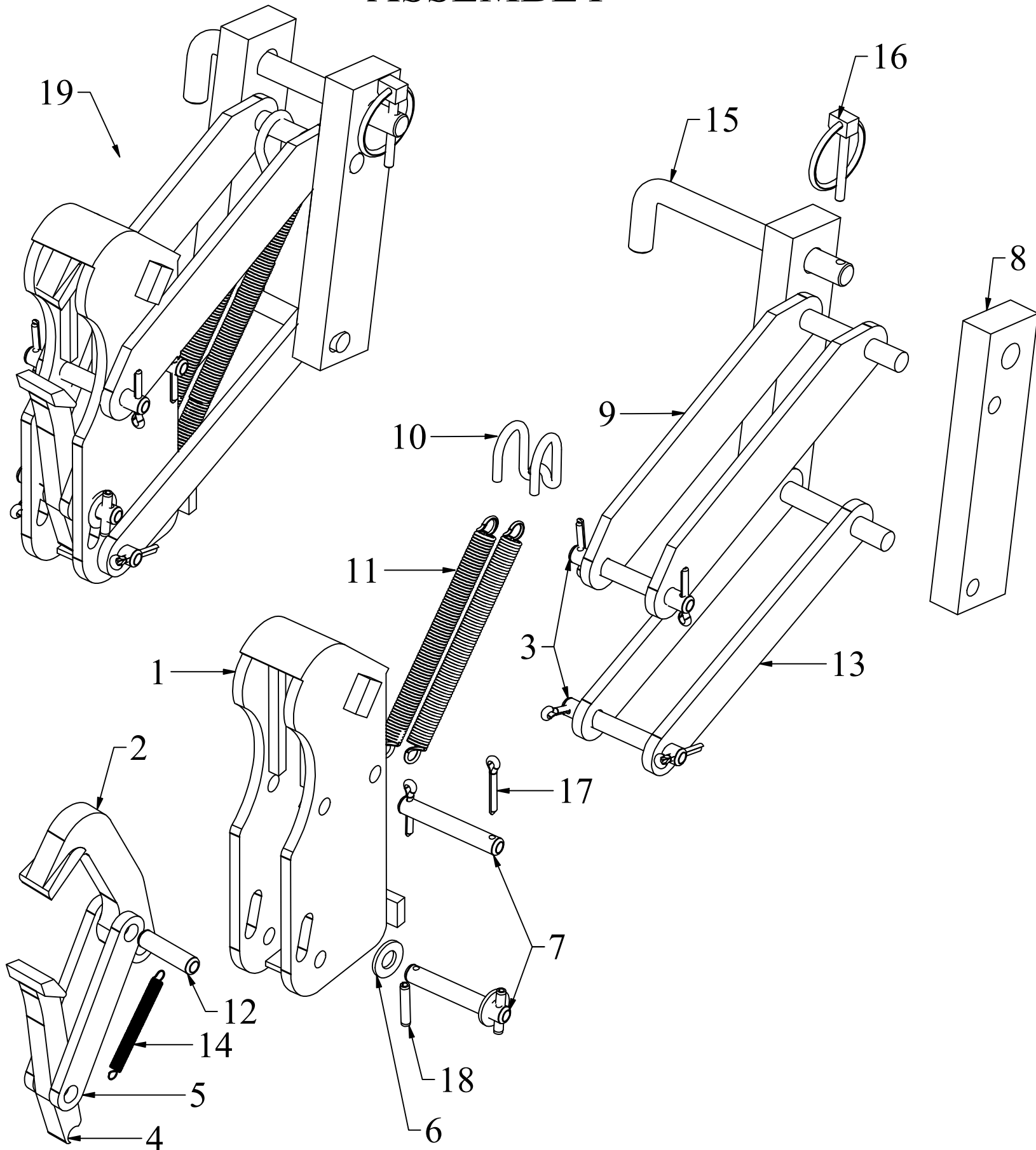
REPAIR KIT COMPONENTS

14	HF500-54RP	Pump Piston Assembly (complete, includes Pump Piston Clip)	1
15	HF500-42RP	Lever Arm Pin (including cotter pins)	1
16	HF500-4	Top Nut O-Ring	1
17	HF500-7	RAM Cup	1
18	HF500-32	Body O-Ring (order quantity of 2)	2
19	HF500-15RP	Release Plunger (including seals)	1
20	HF500-24RP	Release Lever Pin (including cotter pins)	1
21	HF500-25RP	Lever Socket Pin, including retaining rings (order quantity of 2)	2
22	HF500-51RP	Pump Valve	1
23	HF500-50RP	Release Valve	1

CYLINDER ASSEMBLIES

MK2429-20	Hydraulic Lift Cylinder
MK2429-20FG	Hydraulic Lift Cylinder (with Food Grade Hyd. Oil)
MK2429-20SS	Stainless Steel Hydraulic Lift Cylinder
MK2429-25	Hydraulic Lift Cylinder
MK2429-25FG	Hydraulic Lift Cylinder (with Food Grade Hyd. Oil)
MK2429-33	Hydraulic Lift Cylinder
MK2969	Lift Jack, Stainless Steel - 33" Stroke

EG1 LIGHT DUTY SINGLE CLAMPING MECHANISM ASSEMBLY



EG1 LIGHT DUTY SINGLE CLAMPING MECHANISM PARTS LIST

<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1	6302	Housing (Black Powder Coating)	1
1	6302SS	Housing (Stainless Steel)	1
2	9107SS	Stainless Steel Upper Jaw (Spark Resistant)	1
3	15104-1SS	3/8" x 2.242" Pin, Fibre Guard, Housing to Clevis (stainless steel)	2
4	7107SS	Stainless Steel Lower Jaw (Spark Resistant)	1
5	13009-1	Link, Jaw to Jaw (zinc)	2
5	13009-1SS	Link, Jaw to Jaw (stainless steel)	2
6	C616 FW-SS	C616 Flat Washer (stainless steel)	2
7	16104-1SS	3/8" x 1.770" Pin, Upper Jaw Link (stainless steel)	2
8	8002	Adjustment Slide (FDA Black Powder Coating)	2
8	8002SS	Adjustment Slide (Stainless Steel)	2
9	5912	Upper Clevis 8" (FDA Black Powder Coating - 5" Belt Cradle)	1
9	5912SS	Upper Clevis 8" (Stainless Steel - 5" Belt Cradle)	1
9	5912S	Upper Clevis 6" (FDA Black Powder Coating - 3" Belt Cradle)	1
9	5912SS-S	Upper Clevis 6" (Stainless Steel - 3" Belt Cradle)	1
10	8996-2	Clevis Spring Hook (Stainless Steel)	1
11	8206	Clevis Spring (zinc)	2
12	41041SS	3/8" x 1" Pin, Upper Jaw to Link, short (stainless steel)	1
13	6912	Lower Clevis 7 1/2" (FDA Black Powder Coating - 5" Belt Cradle)	1
13	6912SS	Lower Clevis 7 1/2" (Stainless Steel - 5" Belt Cradle)	1
13	6912S	Lower Clevis 5 1/2" (FDA Black Powder Coating - 3" Belt Cradle)	1
13	6912SS-S	Lower Clevis 5 1/2" (Stainless Steel - 3" Belt Cradle)	1
14	1206	Spring, Jaw to Housing (stainless steel)	1
15	10204-1SS	1/2" x 4-1/2" Adjusting Pin (stainless steel)	1
16	HANG-1	3/16 x 1-1/4 Shank Lynch Pin "Hang 1" (9016)	1
17	3006-CP	Cotter Pin, 1/8" x 3/4" (zinc)	6
17	1/8 x 3/4 CP-SS	1/8 x 3/4 Cotter Pins (stainless steel)	6
18	5/32 x 1/2 Roll Pin	Stainless Steel 5/32 x 1/2 Roll Pin	2
	CRC 05037	White Lithium Grease Can	1
<u>FULL ASSEMBLIES</u>			
19	9004	EG1 Single Clamping Mechanism (FDA Black Powder Coating - 5" Belt Cradle)	
19	9004S	EG1 Single Clamping Mechanism (FDA Black Powder Coating - 3" Belt Cradle)	
19	9004SRC	EG1 Single Clamping Mechanism (Stainless Steel Housing - Spark Resistant - 5" Belt Cradle)	
19	9004SRC-S	EG1 Single Clamping Mechanism (Stainless Steel Housing - Spark Resistant - 3" Belt Cradle)	
19	9004SS	EG1 Single Clamping Mechanism (Stainless Steel - Spark Resistant - 5" Belt Cradle)	
19	9004SS-S	EG1 Single Clamping Mechanism (Stainless Steel - Spark Resistant - 3" Belt Cradle)	
<u>PREVENTATIVE MAINTENANCE KITS</u>			
	EG1PMKIT	EG1 Preventative Maintenance Kit	
	EG1BCPMKIT	EG1 Preventative Maintenance Kit w/ Belt Cradle	

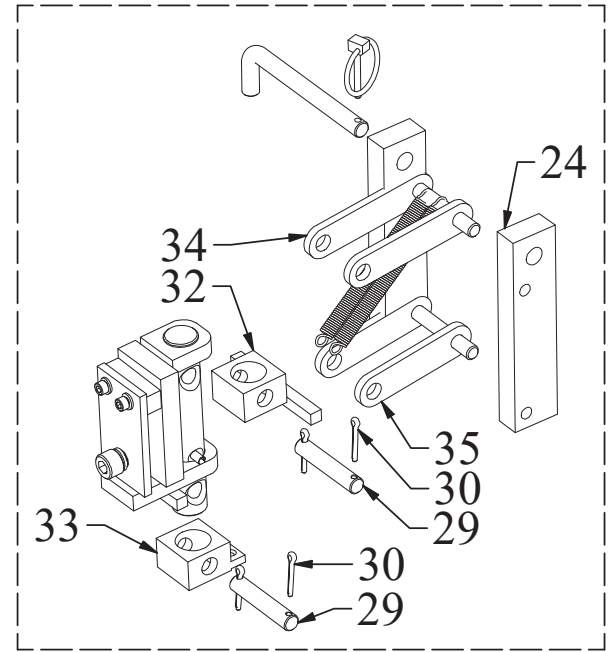
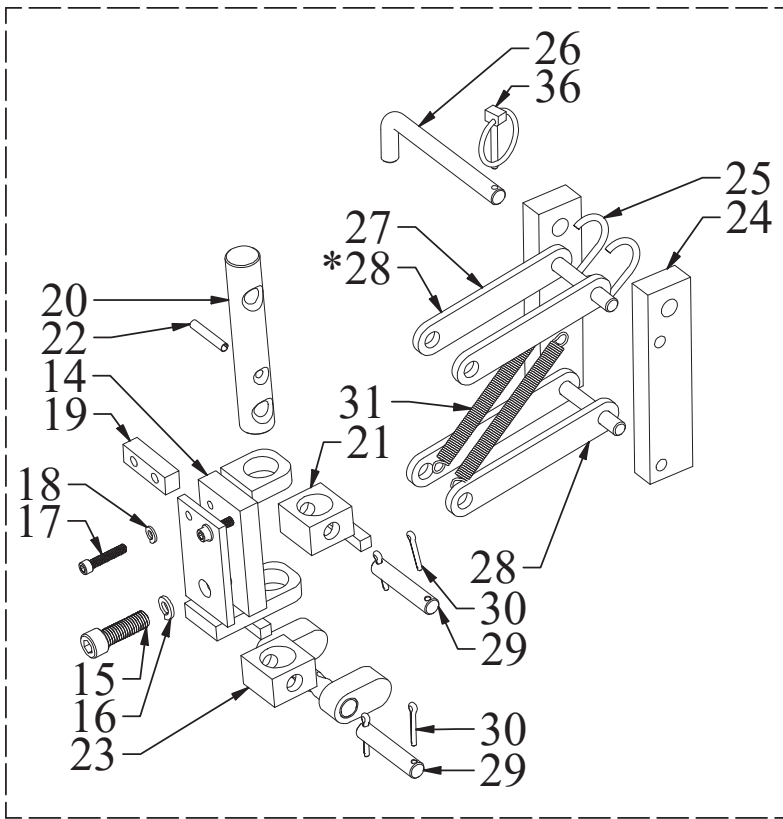
EG1 SINGLE CLAMPING MECHANISM PREVENTATIVE MAINTENANCE KIT BREAKDOWN

EG1 PREVENTATIVE MAINTENANCE KIT			
<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
11	8206	Clevis Spring (zinc)	2
14	1206	Spring, Jaw to Housing (stainless steel)	1
16	HANG-1	3/16 x 1-1/4 Shank Lynch Pin "Hang 1" (9016)	1
17	3006-CP	Cotter Pin, 1/8" x 3/4" (zinc)	6
18	5/32 x 1/2 Roll Pin	Stainless Steel 5/32 x 1/2 Roll Pin	2
	WLG	12oz White Lithium Grease	1
ALL ABOVE ITEMS PART NUMBER: EG1PMKIT			

EG1 PREVENTATIVE MAINTENANCE WITH BELT CRADLE KIT			
	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
11	8206	Clevis Spring (zinc)	2
13	5516E	Optional: Belt Cradle Kit (includes all hardware)	1
14	1206	Spring, Jaw to Housing (stainless steel)	1
16	HANG-1	3/16 x 1-1/4 Shank Lynch Pin "Hang 1" (9016)	1
17	3006-CP	Cotter Pin, 1/8" x 3/4" (zinc)	6
18	5/32 x 1/2 Roll Pin	Stainless Steel 5/32 x 1/2 Roll Pin	2
	WLG	12oz White Lithium Grease	1
ALL ABOVE ITEMS PART NUMBER: EG1BCPMKIT			

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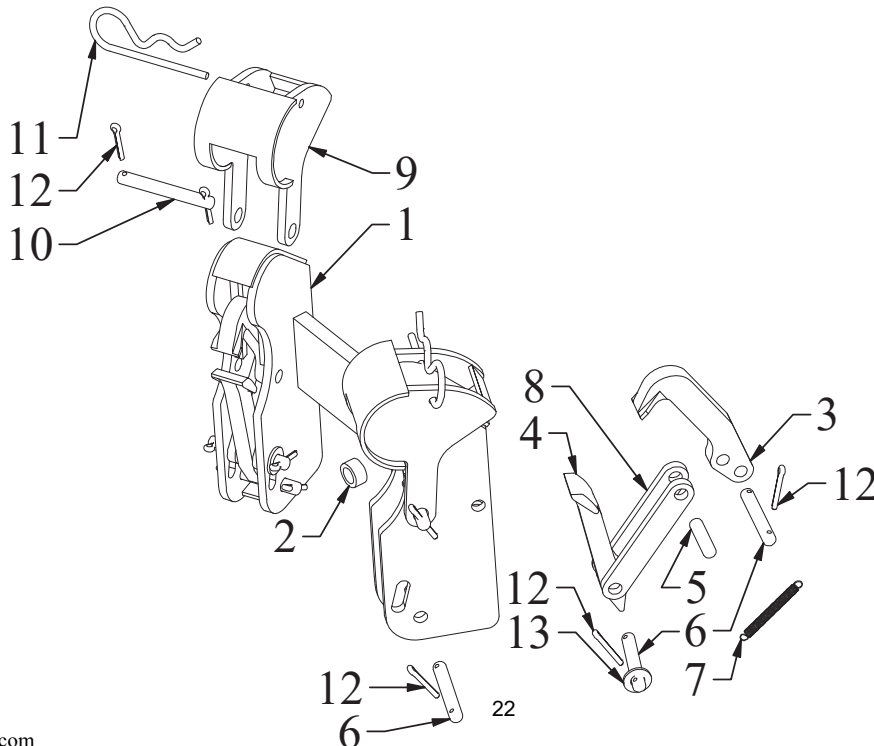
EG2 LIGHT DUTY DOUBLE CLAMPING MECHANISM ASSEMBLY



SEEN ON LEFT: **ERGO UNITS WITH A 5" BELT CRADLE** WILL PRIMARILY USE A 6" UPPER CLEVIS (#27) AND A 5-1/2" LOWER CLEVIS (#28). ALONG WITH A LOWER PIVOT BLOCK WITH OVAL STOP BARS (#23) AND AN UPPER PIVOT BLOCK WITH A 2-1/4" STOP BAR (#21).

***EAGLE-GRIP ATTACHMENTS** WILL PRIMARILY USE 5-1/2" LOWER CLEVISES (#28) FOR BOTH THE TOP AND BOTTOM CLEVISES.

SEEN ON THE RIGHT: **ERGO UNITS WITH A 3" BELT CRADLE** WILL PRIMARILY USE A 4-1/2" UPPER CLEVIS (#34) AND A 4" LOWER CLEVIS (#35). ALONG WITH A LOWER PIVOT BLOCK (#33) AND AN UPPER PIVOT BLOCK WITH A 3-3/4" STOP BAR (#32).



EG2 LIGHT DUTY DOUBLE CLAMPING MECHANISM PARTS LIST

<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1	7302R	Housing, Double Clamping Mechanism (Black Powder Coating)	1
1	7302RSS	Housing, Double Clamping Mechanism (Stainless Steel)	1
2	10001	Bushing, Housing Yolk Trunion (zinc)	1
3	9107SS	Stainless Steel Upper Jaw (Spark Resistant)	2
4	7107SS	Stainless Steel Lower Jaw (Spark Resistant)	2
5	41041SS	3/8" x 1" Pin, Upper Jaw to Link, short (stainless steel)	2
6	16104-1SS	3/8" x 1.770" Pin, Upper Jaw Link (stainless steel)	6
7	1206	Spring, Jaw to Housing (stainless steel)	2
8	13009-1	Link, Jaw to Jaw (zinc)	4
9	621	Fiber Drum Guard (Black Powder Coating)	2
9	621SS	Fiber Drum Guard (Stainless Steel)	2
10	15104-1SS	3/8" x 2.242" Pin, Fibre Guard, Housing to Clevis (stainless steel)	2
11	7019	3-7/8" Hair Pin Clip (zinc)	2
12	3006-CP	Cotter Pin, 1/8" x 3/4" (zinc)	16
13	C616 FW-SS	C616 Flat Washer (stainless steel)	4
14	6012R	Universal Body (Black Powder Coating)	1
15	1/2-13 x 1 1/2 SHCS	1/2-13 x 1 1/2 Socket Head Cap Screw (zinc)	1
16	1/2 LW	1/2 Lock Washer (zinc)	1
17	1/4-20 x 1 1/4 SHCS	1/4-20 x 1 1/4 Socket Head Cap Screw Alloy Plated	2
18	1/4 LW	1/4 Lock Washer (zinc)	2
19	50064	Spacer (Black Powder Coating)	1
20	64061	Universal Pin (zinc)	1
21	50021R	Upper Pivot Block (Black Powder Coating - 5" Belt Cradle)	1
22	70062	Spring Roll Pins 1/4 X1-1/2 (zinc) (xref 70641)	1
23	5012R	Lower Pivot Block with Oval Stop Bars (Black Powder Coating - 5" Belt Cradle)	1
24	8002	Adjustment Slide (FDA Black Powder Coating)	2
25	8996-2	Clevis Spring Hook (Stainless Steel)	1
26	10204-1SS	1/2" x 4-1/2" Adjusting Pin (stainless steel)	1
27	5912R	Upper Clevis 6" (Black Powder Coating - 5" Belt Cradle)	1
27	5912RZ	Upper Clevis 6" (FDA Powder Coating - 5" Belt Cradle)	1
28	6912R	Lower Clevis 5 1/2" (Black Powder Coating - 5" Belt Cradle)	1
28	6912RZ	Lower Clevis 5 1/2" (FDA Powder Coating - 5" Belt Cradle)	1
29	16033-1	1/2" x 2.625" Pin, Clevis (zinc)	2
30	6006-CP	Cotter Pin, 5/32" x 1" (zinc)	4
31	8206	Clevis Spring (zinc)	2
32	50021RS	Upper Pivot Block (Black Powder Coating - 3" Belt Cradle)	1
33	5012RS	Lower Pivot Block (Black Powder Coat- 3" Belt Cradle)	1
34	5912RS	Upper Clevis 4 7/16" (Black Powder Coating - 3" Belt Cradle)	1
34	5912RZS	Upper Clevis 4 7/16" (FDA Powder Coating - 3" Belt Cradle)	1
35	6912RS	Lower Clevis 4" (Black Powder Coating - 3" Belt Cradle)	1
35	6912RZS	Lower Clevis 4" (FDA Powder Coating - 3" Belt Cradle)	1
36	HANG-1	3/16 x 1-1/4 Shank Lynch Pin "Hang 1" (9016)	1

FULL ASSEMBLIES

4004R	EG2L Double Clamping Mechanism (Black Powder Coating - 5" Belt Cradle)
4004RS	EG2L Double Clamping Mechanism (Black Powder Coating - 3" Belt Cradle)
4004RSRC	EG2L Double Clamping Mechanism (Stainless Steel Housing - Spark Resistant - 5" Belt Cradle)
4004RSRC-S	EG2L Double Clamping Mechanism (Stainless Steel Housing - Spark Resistant - 3" Belt Cradle)

PREVENTATIVE MAINTENANCE KITS

EG2LPMKIT	EG2LDCM Preventative Maintenance Kit
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EG2 LIGHT DUTY DOUBLE CLAMPING MECHANISM PREVENTIVE MAINTENANCE KIT PARTS LIST

<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1206	Spring, Jaw to Housing (stainless steel)	2
HANG-1	3/16 x 1-1/4 Shank Lynch Pin "Hang 1" (9016)	1
7019	3-7/8" Hair Pin Clip (zinc)	2
3006-CP	Cotter Pin, 1/8" x 3/4" (zinc)	16
8206	Clevis Spring (zinc)	2
5516E	Optional: Belt Cradle Kit (includes all hardware)	1
WLG	12oz White Lithium Grease	1

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