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WARRANTY...... F1442-A



CRANE SAFETY RULES

CAUTION!

- 1. READ AND UNDERSTAND OPERATOR'S MANUAL.
- 2. INSPECT VEHICLE AND CRANE, INCLUDING ITS OPERATION, BEFORE DAILY USE.
- 3. USE THIS EQUIPMENT ONLY ON SOLID LEVEL GROUND WITH OUTRIGGERS OR JACKSTANDS PROPERLY SET.
- 4. BEFORE OPERATING THE CRANE REFER TO MAXIMUM LOAD CHART ON CRANE FOR OPERATING LOAD LIMITS.
- 5. BE SURE LOAD BEING LIFTED IS WITHIN SAFE WINCH CAPACITY AS WELL AS SAFE CRANE CAPACITY. MULTI-PART LINE OPERATION IS REQUIRED WHEN SINGLE LINE LOAD CAPACITY OF WINCH IS EXCEEDED.
- 6. DO NOT OPERATE, WALK, OR STAND UNDER THE BOOM OR ANY SUSPENDED LOAD.
- 7. ALWAYS PAY OUT LOAD LINE BEFORE EXTENDING BOOM. WIRE ROPE DAMAGE AND / OR BREAKAGE MAY OCCUR.
- 8. BOOM MUST BE IN ITS REST BEFORE MOVING VEHICLE.
- 9. BOOM TIP MUST BE DIRECTLY OVER THE LOAD BEFORE ANY LIFTING IS STARTED. DO NOT DRAG LOADS WITH THIS CRANE.
- 10. MAINTAIN THIS CRANE AS REQUIRED IN THE OWNER'S MANUAL.
- 11. DO NOT ALLOW PERSONNEL TO RIDE ON THE LOAD LINE, LOAD, OR BOOM OF THIS CRANE.
- 12. IT IS UNLAWFUL TO OPERATE THIS EQUIPMENT WITHIN TEN FEET OF HIGH VOLTAGE LINE



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INTRODUCTION

This crane is a powerful machine designed to lift and move heavy loads. There are many hazards associated with these operations. Liftmoore has designed this crane to be as safe as possible but -

IT IS THE OPERATOR'S RESPONSIBILITY TO PREVENT ACCIDENTS!

This takes pre-planning, attention, and knowledge of basic principles and rules. Even if you have used similar cranes, reading this manual in its entirety will help prevent damage, injury, or even loss of life; benefits well worth the short amount of time it takes to read these pages.

REGULATORY AUTHORITY

Use of this crane is governed by OSHA 29 CFR 1910.180 and may be governed by other federal, state, or local regulations.

IT IS THE OPERATOR'S RESPONSIBILITY TO UNDERSTAND AND COMPLY WITH ALL APPLICABLE REGULATIONS GOVERNING THE OPERATION, INSPECTION, AND MAINTENANCE OF THIS CRANE.

Personnel should be trained, tested, and certified, as recommended by OSHA and ANSI standards, before operating this crane.

USING THIS MANUAL

This manual assumes that the crane is mounted on a typical service body type or similar truck, which is powered by the vehicle electrical or hydraulic system, and is controlled by either the standard pendant control or FM radio control sold by Liftmoore, Inc.

This manual is supplied to provide basic guidelines for the safe use, routine maintenance, and general inspections of this crane.

Laws, regulations, standards, or policies may be more restrictive than this manual. If a conflict exists for any limit or condition, the safest or most prohibitive shall be used. Under no circumstances shall the load, moment, or stability ratings be exceeded.

Pay particular attention to the following:

WARNING! – Draws attention to hazards, conditions, or procedures that if not observed could result in injury or death.

CAUTION! – Draws attention to hazards, conditions, or procedures that if not observed could result in damage to the crane, load, or other equipment. Equipment failure could in turn lead to injury or death.

NOTE! – Draws attention to conditions or procedures that are essential to emphasize.

For questions, interpretations, or to report errors, please contact Liftmoore, Inc, Engineering Dept.



OPERATING RESTRICTIONS

DUTY CYCLE

For Electric Cranes the duty cycle time should be limited to 10%. This is limited by heat buildup in the motors and declining charge in the batteries. (Installing extra batteries near the crane helps keep the voltage at maximum.)

PERSONNEL

LIFTING OR MOVING OF PERSONNEL IS STRICTLY PROHIBITED! This crane was neither designed nor intended to lift personnel. Under no circumstances should anyone be allowed to ride on the crane, line, or load. All non-essential personnel must be kept away when using the crane. The load must never be moved over people, nor must anyone be allowed to pass or stand under a suspended load.

ELECTRICAL LINES

Consult ANSI B30.5 for operating procedures, minimum safe distances, and prohibited zones when working around electrical lines or poles.

When operating near electrical power lines, the crane must be positioned so that the distance from the crane to the lines or poles is equal to or greater than the length of the fully extended boom plus the minimum safe distance required.

All parts of the crane, line, and load must be kept a minimum safe distance from electrical power lines and poles. This distance is 10 feet for electrical lines carrying 50kV or less.

UNDER NO CIRCUMSTANCES SHOULD A CRANE BE OPERATED UNDER ELECTRICAL POWER LINES.

OPERATING PRACTICES

SETUP

POSITION The vehicle must be positioned so that the load is kept as close to the crane base as possible to reduce the moment on the crane. Consideration must be given to starting and ending position as well as firmness and slope of the ground and any obstructions.

OUTRIGGERS The outriggers or jackstands must be firmly set and the vehicle as level as possible. This will reduce the stresses on the rotation drive and keep the load off the vehicle's suspension. Keep in mind that the weight on the vehicle will shift as the crane and load are rotated.

LOAD LIMIT The operator must understand the crane load chart. The operator must ensure that the load is within the load limits over the entire range which it will be moved. Be sure to include the weight of any lifting devices including the travel block.

The load limit chart is attached to the side of the crane to aid the operator.

The boom angle indicator and chart aids the operator in determining the load capacity at various boom angles and extensions. It also gives the load limit at that configuration.

STABILITY The operator is responsible to verify that the truck is stable at any area where the Crane is rotated.

TRAVEL BLOCK The operator must determine if the load is within the single line compatibility of the winch or if a multi-part line configuration is needed.



REEVING Ensure the proper routing of the rope through the sheaves and travel block. The rope must lie in the sheave groove and must not rub against any metal objects.

Ensure the rope is correctly wound on the winch drum. The crane assembly drawing will indicate if the rope must be wound over the top or bottom of the drum. The rope must never contact any part of the winch mounting.

WARNING!

If the winch winding direction is reversed the brake will not work and the load will fall.

ATTACHING THE LOAD

POSITION The boom tip must be moved over the load before lifting so that it will be lifted straight up.

CAUTION!

Never drag a load with the crane. Dragging a load puts very high stresses on the crane for which it was not designed.

ROPE Check the rope condition to ensure it is not frayed or damaged. Ensure that the rope is not kinked and that it does not contact any sharp edges or make any sharp bends.

If using double line configuration, ensure that the lines are not twisted.

CAUTION!

Never wrap the hoist rope around the load! Serious damage to the rope WILL occur.

HOOK Always make sure the load is applied to the throat of the hook. Never use a bent hook.

CAUTION!

Always lift with the throat of the hook. Never lift with the load applied to the tip of the hook. Doing so will bend the hook.

SLINGS If the load does not have a lifting eye, use a nylon, chain, or other type of sling designed for lifting and rated for loads greater than that being lifted.

BALANCE Ensure the load will be secure and balanced when lifted. Ensure that the load cannot shift in the sling and that the sling cannot slide across the hook should the load become unbalanced.

LIFTING THE LOAD

Before lifting, ensure that the load is free from all mountings and is no way attached or stuck to anything.

Ensure that at least five full wraps remain on the winch drum at all times.

Test the winch brake by lifting the load a few inches and ensuring that it does not slip.

HOLDING THE LOAD

The operator must keep the load in sight at all times once it is lifted.



The operator must never leave the controls once the load is lifted.

The operator must ensure that no one is allowed to pass or stand under a suspended load.

CAUTION!

Never move the vehicle with a suspended load. Doing so will put dynamic loads on the crane for which it was not designed.

MOVING THE LOAD

Before moving the load, make sure the path is free of any obstructions or people.

Avoid sudden accelerations or stops. Speeds must be kept to a minimum, especially rotation, to keep the load from swinging.

Avoid sudden reversing of direction. Do not reverse direction while the load is still moving.

Make sure the that no part of the crane, boom, or load makes contact with any obstruction or comes within a minimum of ten feet from any electrical line.

TRANSIT

While in transit, the crane must be stowed, preferably in a boom rest. The crane must be prevented from rotating and the hook prevented from swinging.



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INSPECTION AND MAINTENANCE

OSHA and ANSI require frequent and periodic inspections. Records of these inspections must be kept readily available. Liftmoore requires periodic maintenance to ensure proper operation and prolonged life of the crane.

INSPECTION

DAILY INSPECTION

OSHA 29CFR 1910.180 (d)(2)(i) requires the following be checked daily prior to use:

- All control mechanisms for maladjustment interfering with proper operation as well as for excessive wear of components and contamination by lubricants or other foreign matter.
- All safety devices for malfunction.
 This should include the anti-two block and pressure switch.
- Deterioration or leakage in air or hydraulic systems.
- Crane hooks with deformations or cracks. For hooks with cracks or having more than 15 percent in excess of normal throat opening or more than 10 deg. twist from the plane of the unbent hook.
- Electrical apparatus for malfunctioning, signs of excessive deterioration, dirt, and moisture accumulation. This should include the battery terminals, master disconnect switch, electrical swivel
- The wire rope shall be replaced if any of the following conditions are noted:
 - Kinking, crushing, birdcaging, or other damage

- Reductions from nominal diameter of more than onesixty-fourth inch for diameters up to and including five-sixteenths inch, one-thirty-second inch for diameters three-eighths inch to and including onehalf inch.
- Thimble is not in place or is damaged
- Any evidence of heat damage
- Six or more randomly distributed broken wires in 1 lay
- Three or more broken wires in 1 strand in 1 lay

MONTHLY INSPECTION

A thorough inspection of all ropes in use shall be made at least once a month and a certification record which includes the date of inspection, the signature of the person who performed the inspection and an identifier for the ropes shall be prepared and kept on file where readily available. All inspections shall be performed by an appointed or authorized person. Any deterioration, resulting in appreciable loss of original strength shall be carefully observed and determination made as to whether further use of the rope would constitute a safety hazard. Some of the conditions that could result in an appreciable loss of strength are the following:

- Reduction of rope diameter below nominal diameter due to loss of core support, internal or external corrosion, or wear of outside wires.
- A number of broken outside wires and the degree of distribution of concentration of such broken wires.
- Worn outside wires.



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- Corroded or broken wires at end connections.
- Corroded, cracked, bent, worn, or improperly applied end connections.
- Severe kinking, crushing, cutting, or unstranding.

PERIODIC INSPECTION

An Annual Inspection Form is included in this manual. OSHA 29CFR 1910.180 (d)(2)ii) requires periodic inspections of this crane. Liftmoore recommends an annual inspection using the included form.

MAINTENANCE PRECAUTIONS

Before any maintenance is performed, the vehicle should be out of the way and the crane secured.

WARNING!

Never perform any maintenance while the crane has any type of load on it. Use the manual operation procedure to lower the load if necessary.

WARNING!

Hydraulic cylinders may have high pressure stored in them even after hydraulic power is removed.

The counterbalance and pilot operated check valve in the cylinder will always hold some pressure in the cylinder. Slightly extending the cylinder then retracting a small amount will relieve most of the pressure in the cylinder. DO NOT DEADHEAD THE CYLINDER! This will store the maximum amount of pressure in the cylinder. Care should be taken when either valve is removed from the cylinder as some pressure will still remain.

After any maintenance has been performed the crane shall not be operated until all guards have been reinstalled, all safety devices reactivated, and maintenance equipment removed.

LUBRICATION Refer to the crane specification section for the periodic maintenance schedule and type of lubrication required.

BOLTS Bolts may loosen over time due to vibration; therefore they should be checked periodically. If bolts need to be replaced, make sure they are replaced with bolts of equal or greater strength. Check the periodic maintenance schedule (Crane Specification Section) for bolt specification and torque.

NOTE!

Sheave and boom and cylinder pivot bolts are not standard bolts. The shank and thread length of these bolts have been modified so that they do not pivot on the threads. Consult the parts section of this manual for part numbers of these bolts.

OTHER MAINTENANCE

Refer to parts drawings for any specific maintenance or adjustment procedures such as hydraulic winch brake, rotation drive gear set adjustment, ect.



MONTHLY INSPECTION REPORT

Manual Boom Extension

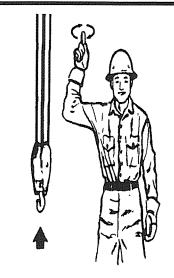
Crane Model No	Serial Number		
Are Boom Hitch Pins and Keepers in place?		Yes	No
Wire Line Hook with Safety Latch Working?		Yes	No
Is Hook OK, (Not bent)?		Yes	No
Is Thimble on Wire Rope OK?		Yes	No
Does Traveling Block function correctly?		Yes	No
Is Wire Rope OK, not kinked or frayed?		Yes	No
Are all Boom Sections straight?		Yes	No
Are Sheave Bolts in place and tight?		Yes	No
Do all Sheaves rotate easily?		Yes	No
Are Mounting Bolts torqued correctly?		Yes	No
Is Boom Angle Indicator in place and functio and is Chart legible?	ning,	Yes	No
Are Cylinder or Boom Support Mounting Bo	Its secure?	Yes	No
Are Winch Mounting Bolts tight?		Yes	No
When stopped, does winch down drift less that	an 1.0 Inches?	Yes	No
Is Load Chart in place and easily read?		Yes	No
Are functions on Pendant operating correctly	?	Yes	No
Is Hydraulic Reservoir full?		Yes	No
Is Outrigger or jackstand straight and function	ning?	Yes	No
Any items checked 'No' must be repaired	before using this crane.		



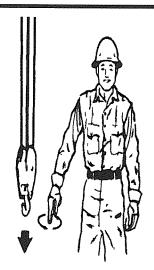
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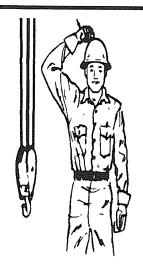
STANDARD HAND SIGNALS FOR CONTROLLING CRANE OPERATIONS



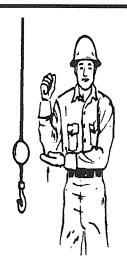
HOIST. With forearm vertical, forefinger pointing up, move hand in small horizontal circle.



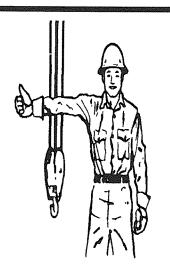
LOWER. With arm extended downward, forefinger pointing down, move hand in small horizontal circle.



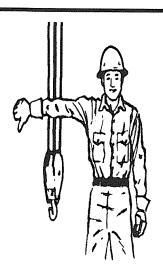
USE MAIN HOIST. Tap fist on head; then use regular signals.



USE WHIPLINE (Auxiliary Hoist). Tap elbow with one hand; then use regular signals.



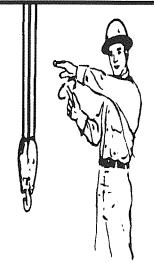
RAISE BOOM. Arm extended, fingers closed, thumb pointing upward.



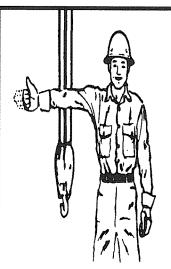
LOWER BOOM. Arm extended, fingers closed, thumb pointing downward.



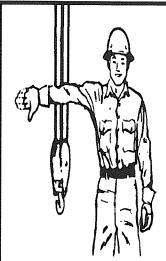
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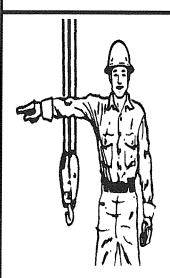
MOVE SLOWLY. Use one hand to give any motion signal and place other hand motionless in front of hand giving the motion signal. (Hoist slowly shown as example.)



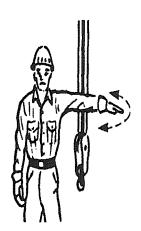
RAISE THE BOOM AND LOWER THE LOAD. With arm extended, thumb pointing up, flex fingers in and out as long as load movement is desired.



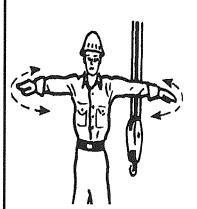
LOWER THE BOOM AND RAISE THE LOAD. With arm extended, thumb pointing down, flex fingers in and out as long as load movement is desired.



SWING. Arm extended, point with finger in direction of swing of boom.

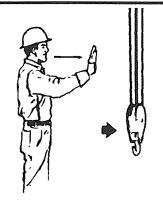


STOP. Arm extended, palm down, move arm back and forth horizontally.

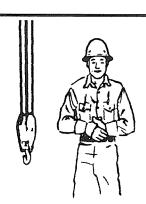


EMERGENCY STOP. Both arms extended, palms down, move arms back and forth horizontally.

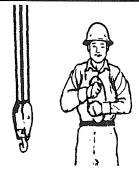




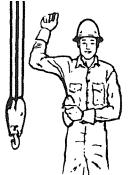
TRAVEL. Arm extended forward, hand open and slightly raised, make pushing motion in direction of travel.



DOG EVERYTHING. Clasp hands in front of body.



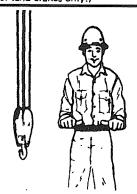
TRAVEL (Both Tracks). Use both fists in front of body, making a circular motion about each other, indicating direction of travel, forward or backward. (For land cranes only.)



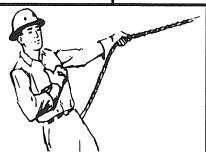
TRAVEL. (One Track) Lock the track on side indicated by raised fist. Travel opposite track in direction indicated by circular motion of other fist, rotated vertically in front of body. (For land cranes only.)



EXTEND BOOM (Telescoping Booms). Both fists in front of body with thumbs pointing outward.



RETRACT BOOM (Telescoping Booms). Both fists in front of body with thumbs pointing toward each other.



EXTEND BOOM (Telescoping Boom). One Hand Signal. One fist in front of chest with thumb tapping chest.



RETRACT BOOM (Telescoping Boom). One Hand Signal. One fist in front of chest, thumb pointing outward and heel of fist tapping chest.



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206R OPERATION

PENDANT CONTROL

All user inputs are facilitated by the remote pendant control. The pendant control plug mates with the crane control socket.

Hoist and Rotation function switches activate the respective motor through electrical contactors located inside the crane housing.

OPERATION

Raise the cover on the crane control socket and plug in the pendant. Ensure all pins are straight and free of dirt, moisture, and corrosion.

NOTE!

The control socket cover locks the plug in the socket and must be lifted to unplug the pendant.

Select the function switch and direction as indicated on the label for the desired operation.

CARE AND MAINTENANCE

The pendant control is designed to be as rugged and maintenance free as possible; however, care should be used in handling and storage as it is expensive to replace.

Follow these simple practices:

- Keep the pendant out of the weather
- When not in use, store the pendant inside the vehicle
- Do not wrap the wire too tightly as internal damage to the wires may result
- Do not place sharp or heavy objects on the cord

NOTE!

The pendant is designed to be weatherproof not waterproof. It may be used in inclement weather, but if left outside or where water can puddle, water can seep inside.

Maintenance should be limited to routine inspection of the plug, wire, and fasteners.

ELECTRICAL SYSTEM

This crane is powered by the vehicle electric system. Electrical power is connected at the crane base and is transferred to the housing through an electrical swivel. The swivel allows for continuous, unlimited rotation of the crane.

Rotation and hoist motor activation and direction are controlled by a double pole, double throw electrical contactor. The contactors are energized by control voltage from the pendant control switches.

CIRCUIT BREAKER

A circuit breaker is supplied with the crane and should be installed as close to the battery as possible.

DISCONNECT SWITCH

A power disconnect switch is supplied with the crane. Disconnecting the power will prevent inadvertent or unauthorized use and help prevent corrosion at electrical connections.

SAFETY SYSTEM

This crane does not have a load limiting or ATB safety system.

It is the operator's responsibility to understand and strictly adhere to the load limits of the crane. The operator must also know the weight of any objects to be lifted.

The operator must always be aware of the hook and travel block position and ensure that the crane is never two-blocked (allowing the travel block or hook to contact the crown plate.)



POWERED FUNCTIONS

CAUTION!

Both the hoist and rotation motors are limited duty and should not be used continuously for long periods of time. Usage must be limited to 5 minutes out of every 25 minutes or motor damage will result.

ROTATION

The crane rotates on a sealed gear bearing. The rotation drive is powered by an electrical motor through a double worm drive.

HOIST

The boom mounted hoist is electrically powered in both the up and down direction. An internal brake prevents the load from falling.

CAUTION!

The hoist brake only functions in one direction. Ensure the winding direction is not reversed by either running the rope all the way out or the rope becoming tangled on the drum. If the winding direction is reversed the brake will not function and the load will fall

MANUAL FUNCTIONS

ELEVATION

The boom angle may be manually adjusted between 0° to 75°. The boom must be adjusted before lifting the load. An internal gas spring is installed in the boom support to aid in lifting the boom. A handle is provided to aid in raising or lowering the boom.

WARNING!

Do not stand under the boom when adjusting the boom angle. If the boom falls serious injury or death may result.

WARNING!

The boom and support bar can form a pinch point. When adjusting the boom angle use the provided handle and be aware of the moving parts or hand injury may result.

CAUTION!

All boom support pins must be in place before lifting the load. The gas spring will not support a load. If proper boom pins are not installed the boom may collapse under load causing serious damage and possible injury or death.

CAUTION!

The gas spring is under pressure. The gas spring is not a serviceable part and no maintenance or adjustment should be attempted.

WARNING!

The gas spring must be fully extended before removing any boom pivot or boom support bolts. This is accomplished by removing the boom elevation cross bar on the housing and elevating the boom all the way. Ensure the boom is restrained so that it does not fall. A falling boom could cause serious injury or death.

EXTENSION

The boom may be manually extended as needed. The boom must be set to the desired length before lifting the load. A boom stop is provided to prevent the inner boom from being inadvertently removed from the outer boom.

CAUTION!

All boom pins must be in place before lifting the load. The boom stop will not support a load. If proper boom pins are not installed the boom may collapse under load causing serious damage and possible injury or death



-SECTION 3 CRANE SPECIFICATIONS

MODEL 206R CRANES

MOMENT RATING 6500 FT-LBS

LIFTING CAPACITIES AT VARIOUS LOAD RADII

LOAD RADIUS	CAPACITY
(FT)	(LBS)
3	2000
5	1300
6	1083
7	929
9	722

MAX SINGLE LINE LOAD 1000 LBS MAX DOUBLE LINE LOAD 2000 LBS

HOIST FOR THE M (P/N 22289)

LOAD	LINE SPEED	AMP DRAW
(LBS)	(FT/MIN)	
0	26	25
500	22	70
1000	18	115

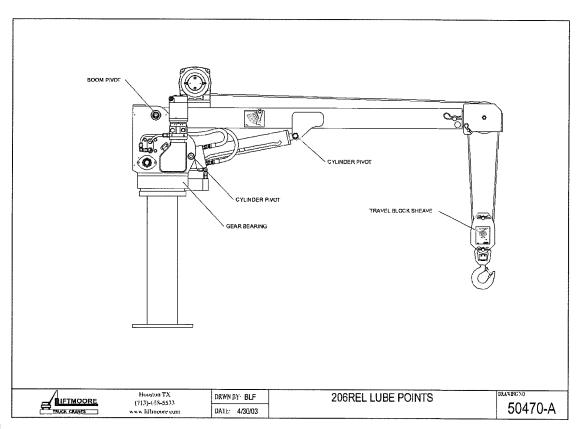
MAX SINGLE LINE LOAD 2000 LBS

HOIST FOR THE WM (P/N 22803)

LOAD (LBS)	LINE SPEED (FT/MIN)	AMP DRAW
0	17	25
400	16	45
1200	14	85



PERIODIC MAINTENANCE SCHEDULE MODEL 206 CRANES			
	BOLTS		
MOUNTING BOLTS	1/2-13 GRADE 8 TORQUE 110FT-LBS DRY	EVERY 4 MONTHS	
LUBRICATION			
GREASE FITTINGS	SEE DRAWING 50470	EVERY OTHER WEEK	
HYDRAULIC FLUID	STANDARD Chevron AW Hydraulic Oil 46 or equivalent SAE 15 weight oil COLD WEATHER AW 32 or equivalent SAE 10 weight oil	CHECK DAILY, FILL AS NEEDED	
BEARING (ZERK AND TEETH)	Oil Center Research PM 600 Military grease or equivalent Benton Based Grease NLGI Grade 2	EVERY 6 HOURS OF OPERATION	





Items with * have detailed DWG's.

P/N 22789 - BOX, CRANE PARTS 206RS

1)	P/N 22302 - MANUAL, CRANE 206R/RS/WR1pc	;
2)	P/N 33021 - WIRE, BATTERY #1 X 25' W\MECON1pc	3
3)	P/N 26084 - WIRE, GROUND 1/0 X 3' LONG	С
4)	P/N 30760 - PIN, HITCH 0.75 X 4.50 W/H-PIN	cs
5)	P/N 30815 - SCREW, HHC 0.50-13 X 2.50 GR84pc	cs
6)	P/N 30474 - WASHER, LOCK 0.50 GR5 PLATED	cs
7)	P/N 31957 - NUT, HEX 0.50-13 GR8 PLATED	cs
8)	*P/N 22599 - BLOCK, TRAV ASSY 2.0K LBS/4.0D	2
9)	P/N 16878 - BREAKER, CIRCUIT 150 AMP	С
10)	P/N 16915 - TERMINAL, LUG #1 GA 0.25 DIA2pc	cs
11)	P/N 30766 - SWITCH, DISCONNECT	С
12)	P/N 17010 - BRACKET, SWITCH MNT. ELE. CRN	С
13)	P/N 17063 - TERMINAL, LUG #1 GA 0.37 DIA	cs
14)	P/N 30864 - SCREW, HHC 0.62-11 X 1.50 GR84r	ocs
15)	P/N 31461 - WASHER, LOCK 0.62 GR5 PLATED4r	ocs
16)	P/N 22571 - INSTALLATION INTS. 2061	ЭС
17)	P/N 22373 - DECAL, LOAD CAPACITY 206	С
	P/N 22031 - BOX, CRANE PARTS 206R	
1)	P/N 22302 - MANUAL, CRANE 206R/RS/WRlpc	
2)	P/N 33021 - WIRE, BATTERY #1 X 25' W\MECON	
3)	P/N 26084 - WIRE, GROUND 1/0 X 3' LONG	С
4)	P/N 30760 - PIN, HITCH 0.75 X 4.50 W/H-PIN2pc	s
5)	P/N 30815 - SCREW, HHC 0.50-13 X 2.50 GR8	s
6)	P/N 30474 - WASHER, LOCK 0.50 GR5 PLATED4pc	S
7)	P/N 31957 - NUT, HEX 0.50-13 GR8 PLATED	S
8)	*P/N 22599 - BLOCK, TRAV ASSY 2.0K LBS/4.0D	
9)	P/N 16878 - BREAKER, CIRCUIT 150 AMP	:
10)	P/N 16915 - TERMINAL, LUG #1 GA 0.25 DIA2pc	S
11)	P/N 30766 - SWITCH, DISCONNECT	2
12)	P/N 17010 - BRACKET, SWITCH MNT. ELE. CRN1pc	;
13)	P/N 17063 - TERMINAL, LUG #1 GA 0.37 DIA2pc	cs
14)	P/N 17181 - SCREW, HHC 0.62-11 X 2.75 GR8	cs
15)	P/N 34038 - NUT, HEX 0.62-11 GR8 PLATED	S
16)		
171	P/N 31461 - WASHER, LOCK 0.62 GR5 PLATED4pc	S
17)	P/N 31054 - WASHER, FLAT 0.62 SAE GR84pc	cs
17) 18) 19)	P/N 31461 - WASHER, LOCK 0.62 GR5 PLATED	cs c



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LIST FOR BOX, CRANE PARTS 206 R/WR/RS

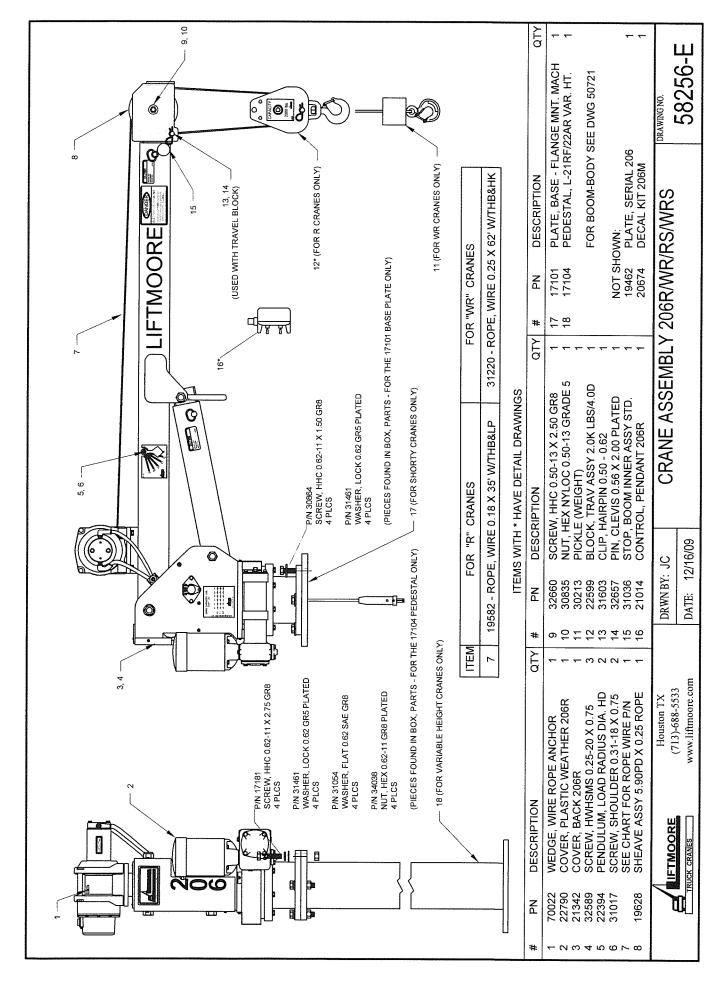
Items with * have detailed DWG's.

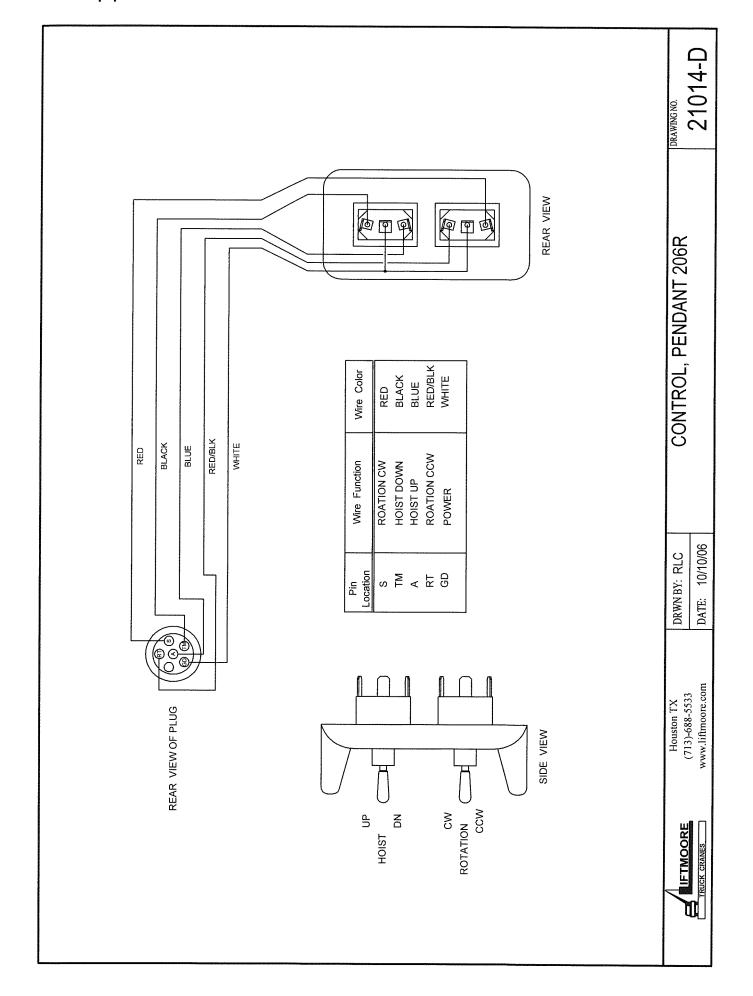
P/N 23395 - BOX, CRANE PARTS 206WR

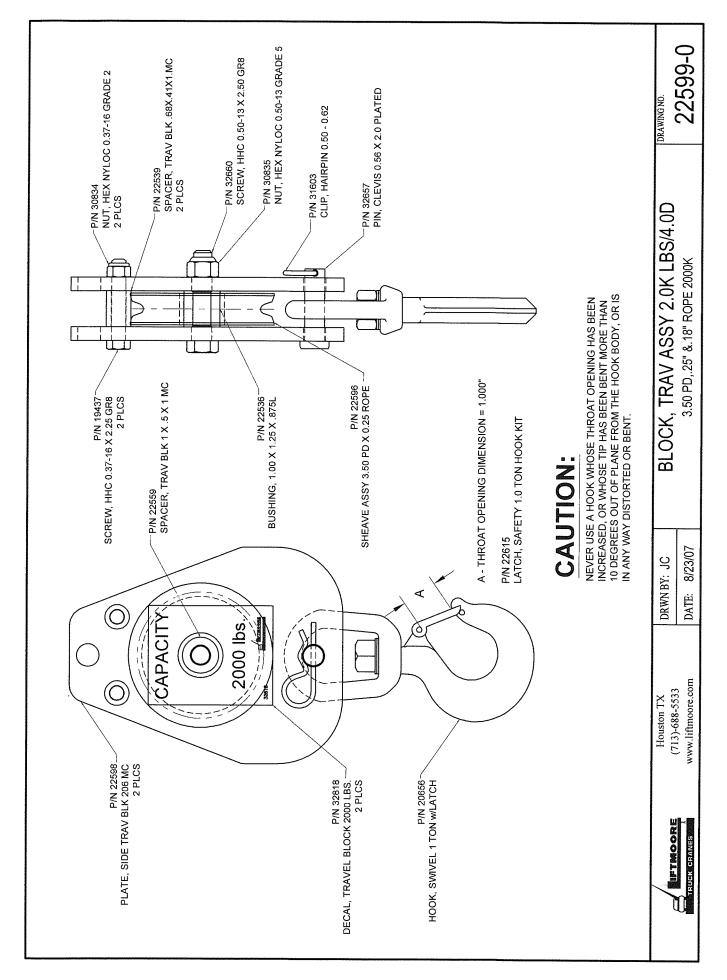
1)	P/N 22302 - MANUAL, CRANE 206R/RS/WR	1pc
2)	P/N 33021 - WIRE, BATTERY #1 X 25' W\MECON	1pc
3)	P/N 26084 - WIRE, GROUND 1/0 X 3' LONG	Ìpc
4)	P/N 30760 - PIN, HITCH 0.75 X 4.50 W/H-PIN	2pcs
5)	P/N 30815 - SCREW, HHC 0.50-13 X 2.50 GR8	4pcs
6)	P/N 30474 - WASHER, LOCK 0.50 GR5 PLATED	4pcs
7)	P/N 31957 - NUT, HEX 0.50-13 GR8 PLATED	4pcs
8)	P/N 16878 - BREAKER, CIRCUIT 150 AMP	lpc
9)	P/N 16915 - TERMINAL, LUG #1 GA 0.25 DIA	2pcs
10)	P/N 30766 - SWITCH, DISCONNECT	1pc
11)	P/N 17010 - BRACKET, SWITCH MNT. ELE. CRN	lpc
12)	P/N 17063 - TERMINAL, LUG #1 GA 0.37 DIA	2pcs
13)	P/N 17181 - SCREW, HHC 0.62-11 X 2.75 GR8	4pcs
14)	P/N 34038 - NUT, HEX 0.62-11 GR8 PLATED	
15)	P/N 31461 - WASHER, LOCK 0.62 GR5 PLATED	4pcs
16)	P/N 31054 - WASHER, FLAT 0.62 SAE GR8	4pcs
17)	P/N 22571 - INSTALLATION INTS. 206	1pc
18)	P/N 22373 - DECAL, LOAD CAPACITY 206	1pc

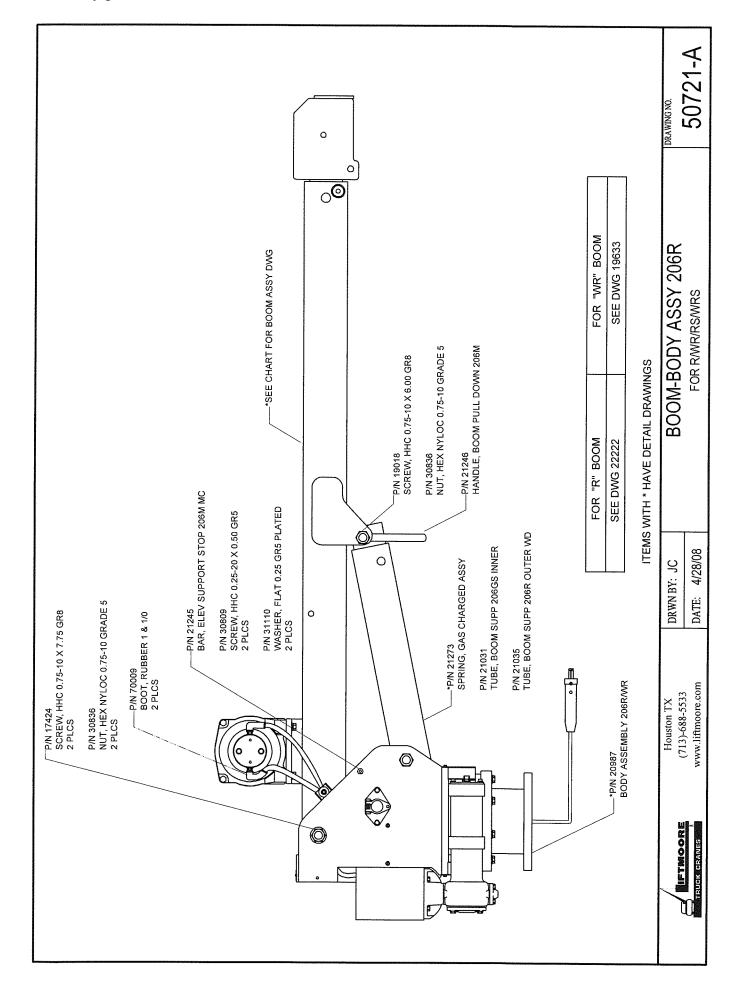


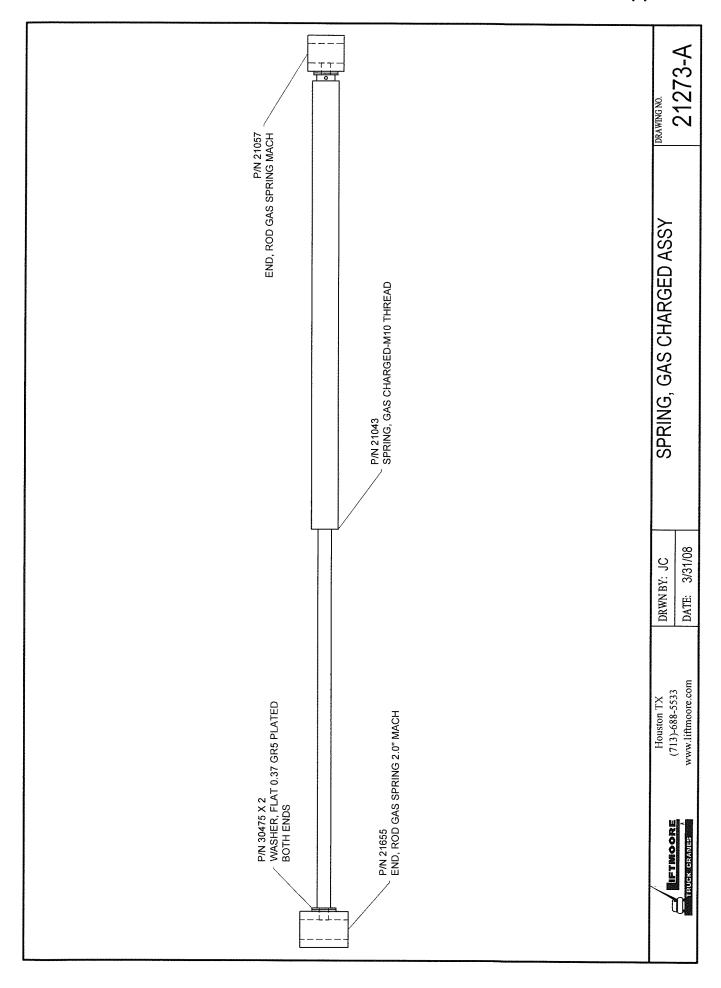
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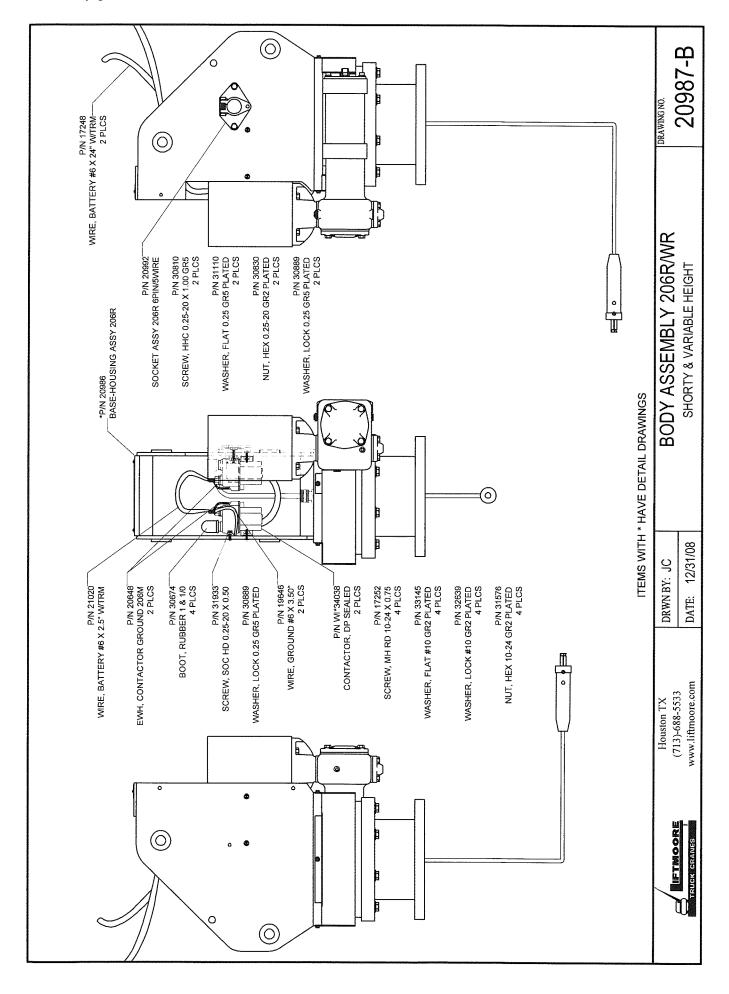


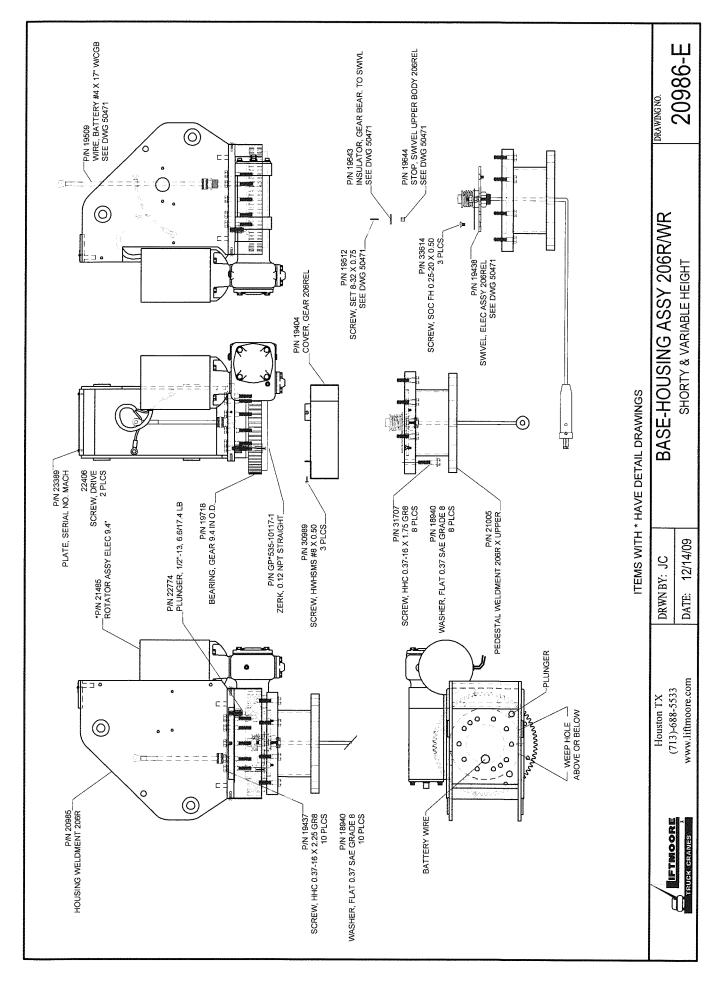


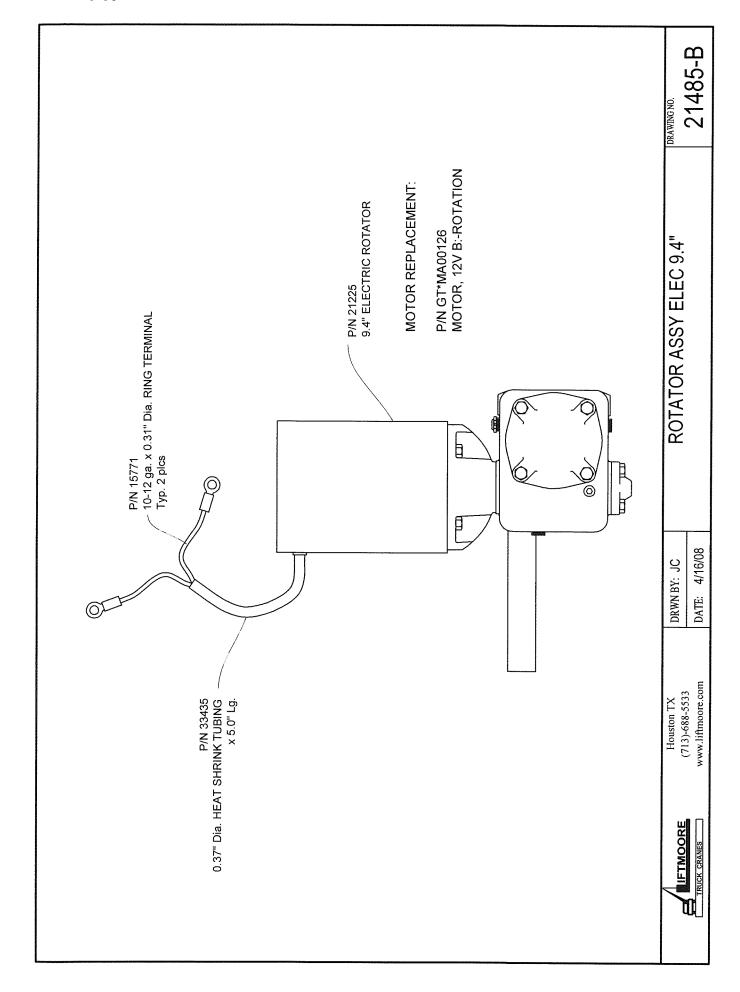


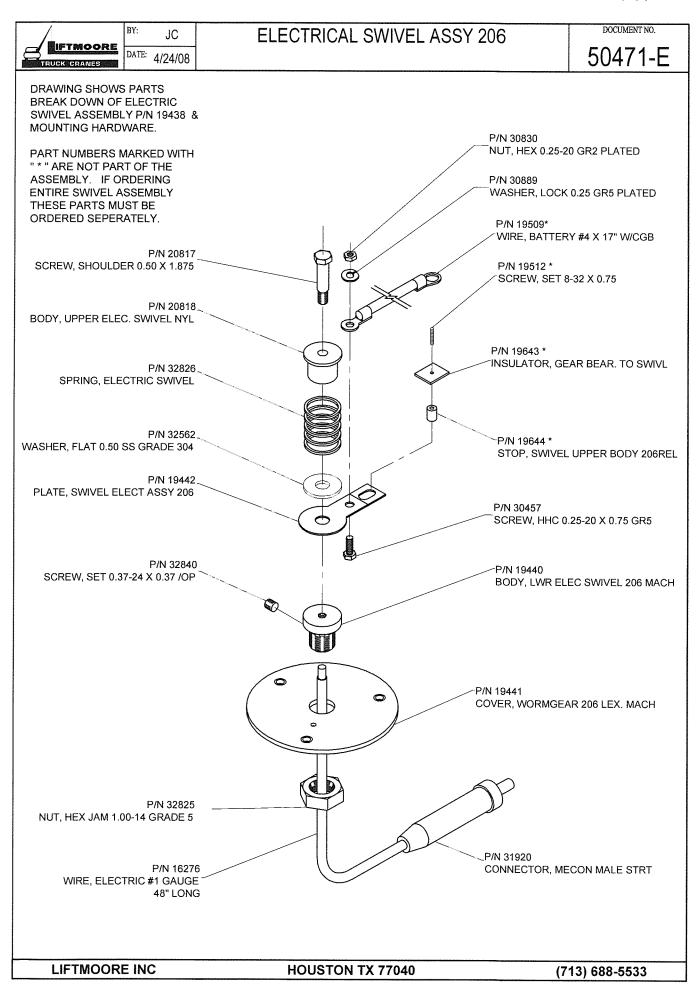


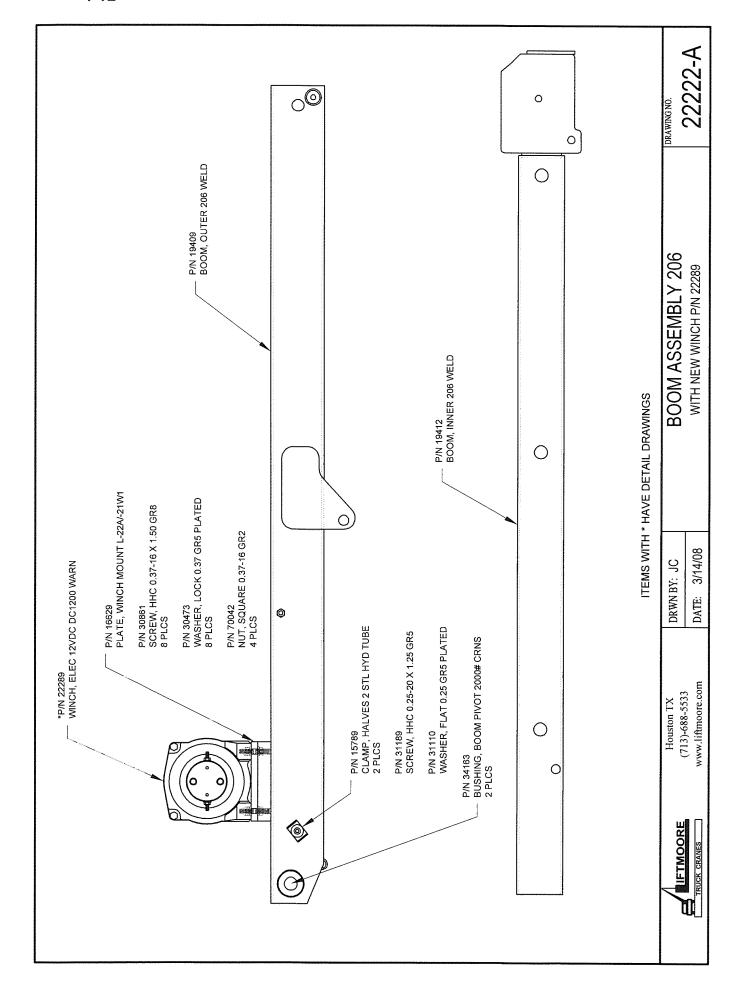


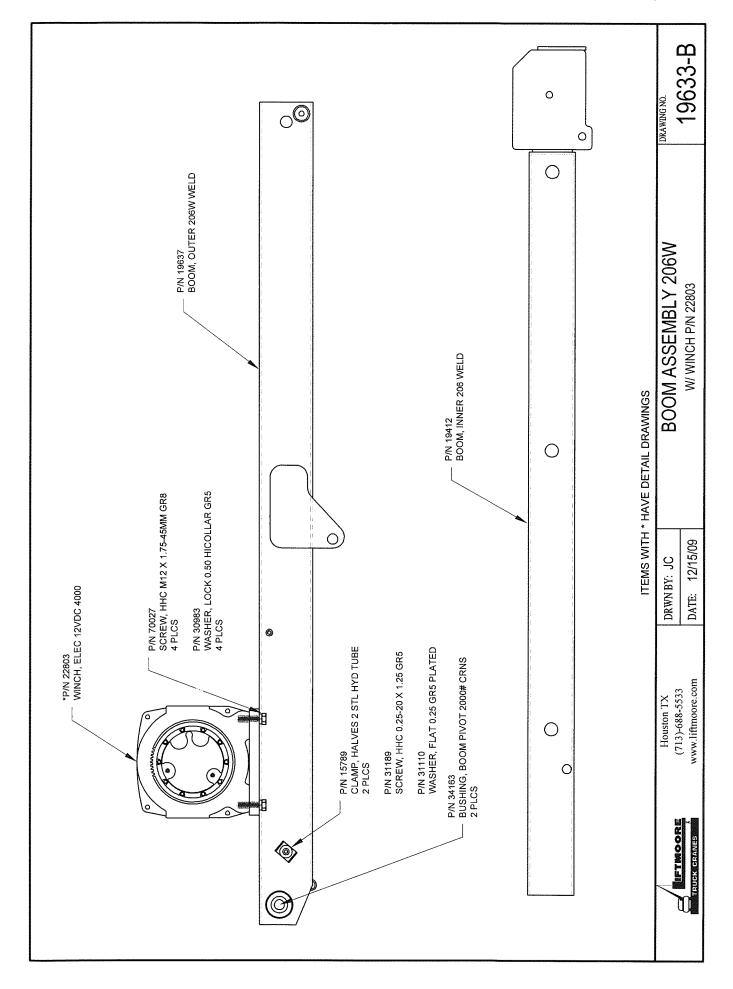


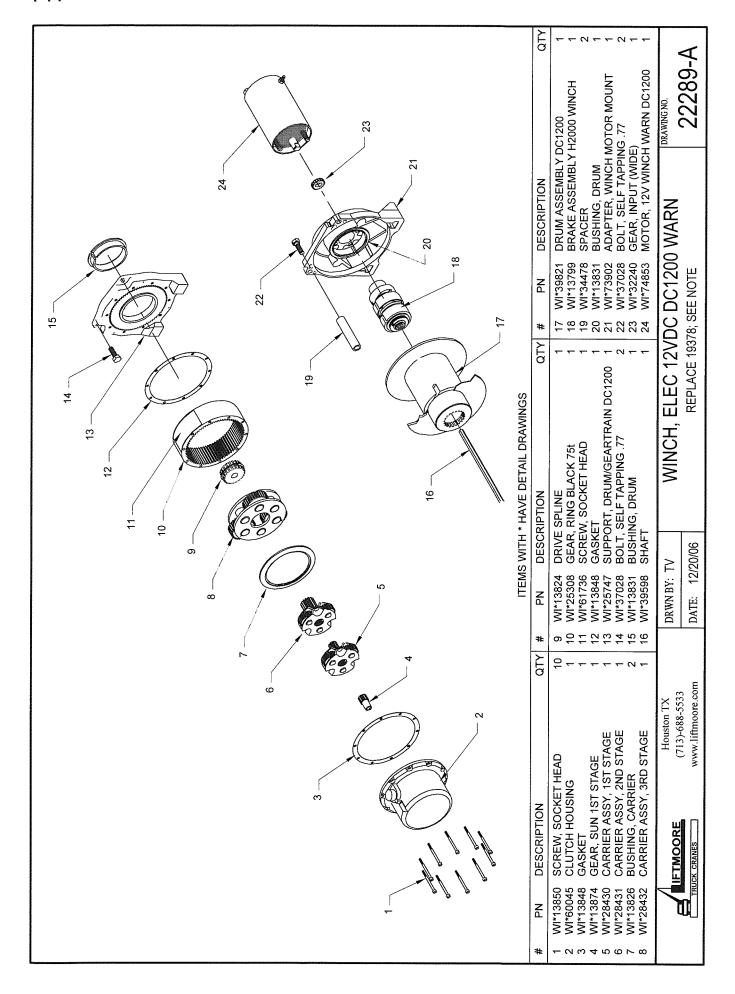


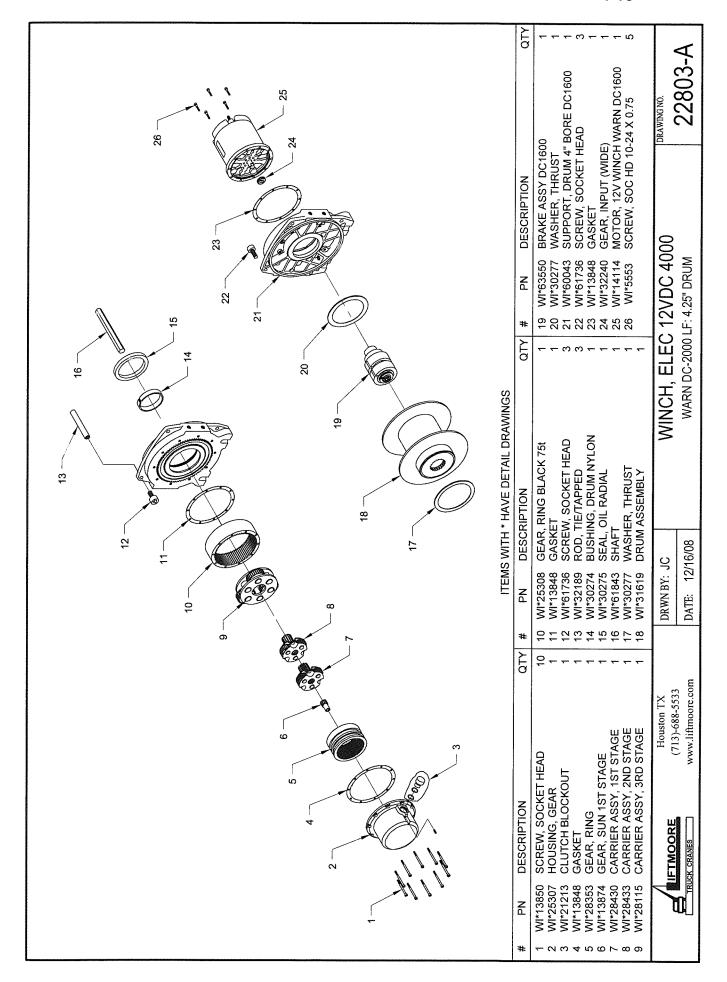


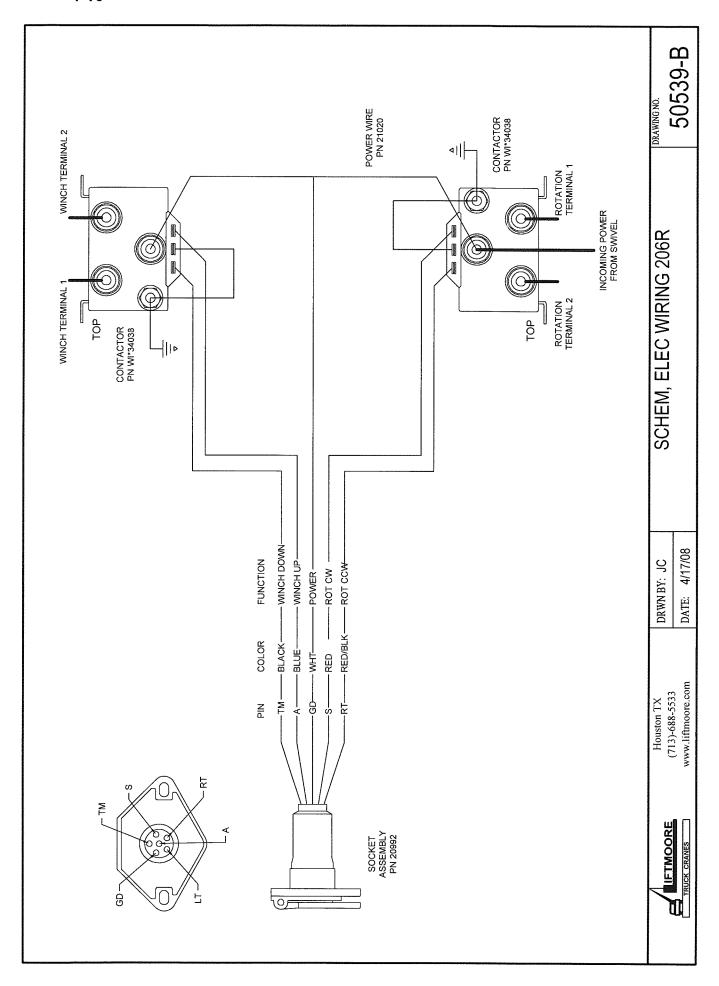


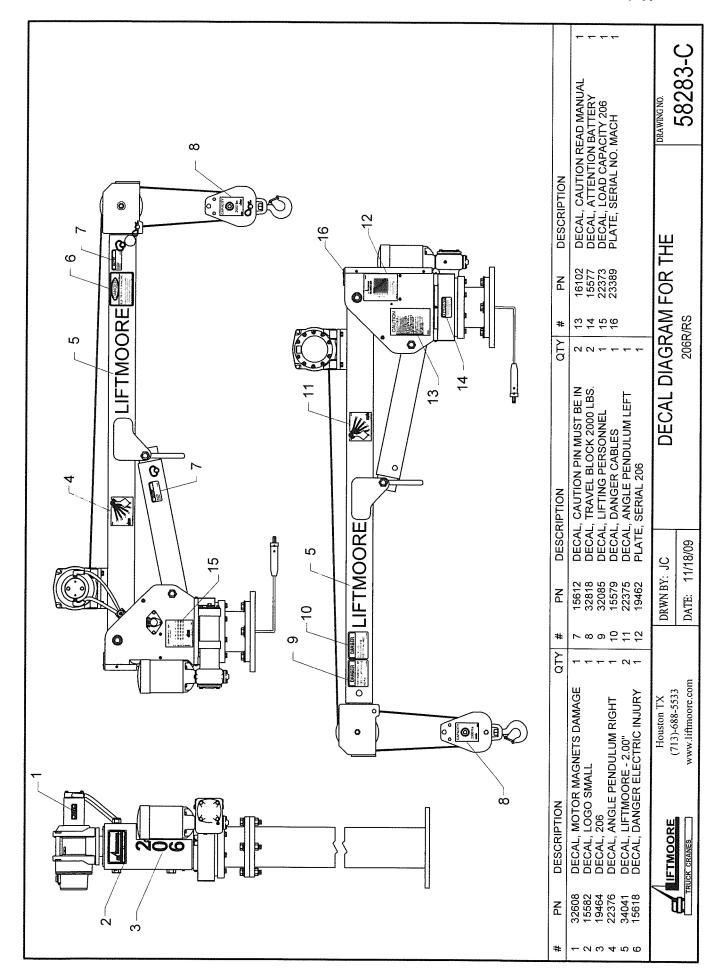












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LIFTMOORE LIMITED WARRANTY

Parts and Structural

Liftmoore, Inc. warrants each LIFTMOORE crane to be free from defects in materials and workmanship for twelve (12) months from the date of delivery to the original customer. Under the terms of this warranty the crane structural components manufactured by LIFTMOORE, Inc. are warranted for thirty-six (36) months from the date of delivery to the original customer. LIFTMOORE, Inc. will repair or replace, as its sole discretion, any equipment or part that is returned f.o.b. to LIFTMOORE, Inc.'s plant at 7810 Pinemont Drive, Houston, Texas 77040, or to one of its authorized dealers, and is found by LIFTMOORE, Inc. or its authorized dealer to have been defective at the time of original delivery.

The foregoing warranty is the exclusive warranty made by LIFTMOORE, Inc. with respect to its cranes and is in lieu of all other warranties. ANY AND ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS OF ANY CRANE FOR A PARTICULAR PURPOSE OR OPERATION, ARE HERBY EXPRESSLY DISCLAIMED.

The foregoing warranty applies only to LIFTMOORE cranes under normal use and service and does not apply in the event of damage caused by repair or alteration or damage during shipment, accident, negligence, overloading, or misuse, including operator's failure to follow any of the instructions issued with the crane.

This warranty is limited to the original purchaser and is not assignable. In order to submit a claim, the original purchaser must provide a copy of the original invoice for the crane in question within twelve (12) months following the delivery date and within 30 days from the date of repair.

The warranty applies only when the LIFTMOORE crane is used for commercial purposes and does not cover any purchase for use for personal, family or household purposes.

LIMITATION OF LIABILITY: LIFTMOORE, Inc.'s liability for any losses or damages resulting from any cause whatsoever, including LIFTMOORE, Inc.'s NEGLIGENCE or from a defective crane irrespective of whether such defects are discoverable or latent, shall in no event exceed the purchase price of the crane to which losses or damages are claimed, or at the election of LIFTMOORE, Inc., the repair or replacement of the defective crane.

In no event shall LIFTMOORE, Inc. be liable for any special, incidental, or consequential damages, including commercial losses or costs of any kind sustained by purchaser or any other person or for any damages for which purchaser may be liable to other persons by reason of any defect in any LIFTMOORE crane or any part thereof.

LIFTMOORE, Inc. reserves the right to make changes in design or construction of its cranes at any time without obligating itself to make such changes on cranes previously manufactured.

No agent, employee, or representative of LIFTMOORE, Inc. has authority to amend or modify the foregoing warranty or to bind LIFTMOORE, Inc. by any other warranty, guaranty, or assumption of liability.

In the event any provision of this warranty is for any reason held ineffective, the remaining provisions shall remain in full force and effect.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations and exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other legal rights that vary from state to state.



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