

SERVICE/PARTS MANUAL

MODEL: LJS2000



Lift Jockey™ Narrow

A 100% employee-owned American manufacturer

REVISION: B 6/2003 PN 56590

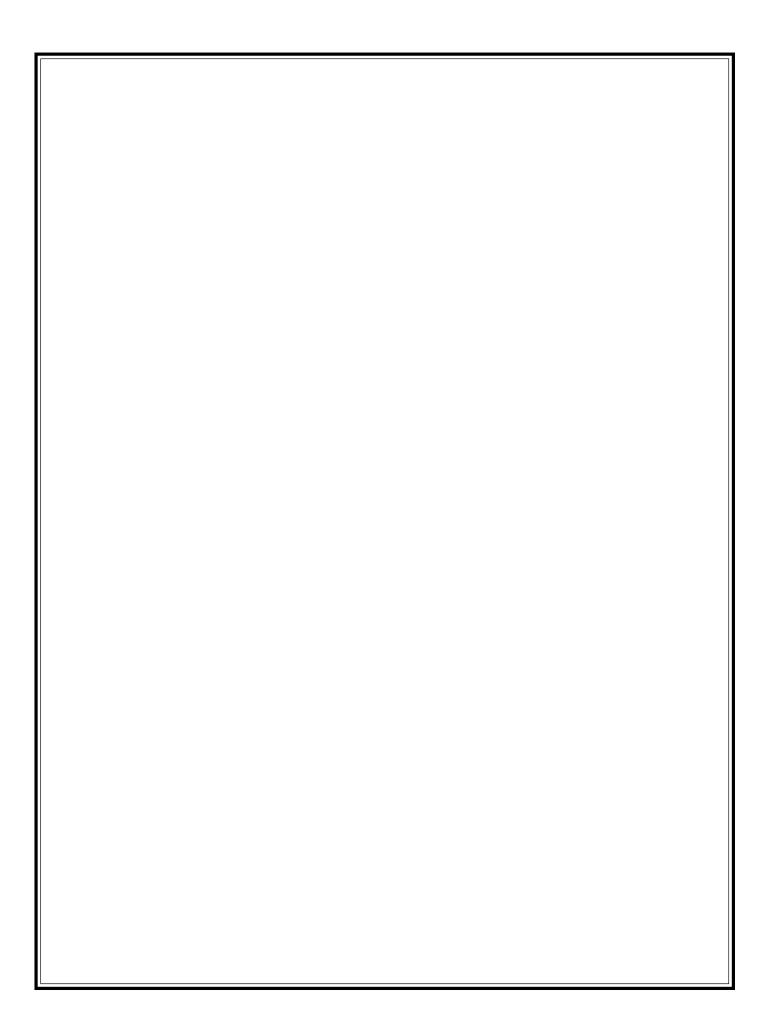


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$\textbf{Lift Jockey}^{\scriptscriptstyle \mathrm{TM}}$

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User Information

Foreword

These instructions include:

Safety regulations Operating instructions Maintenance instructions

These instructions have been prepared for operation on the construction site and for the maintenance engineer.

These instructions are intended to simplify operation of the machine and to avoid malfunctions through improper operation.

Observing the maintenance instructions will increase the reliability and service life of the machine when used on the construction site and reduce repair costs and downtimes.

Always keep these instructions at the place of use of the machine.

Only operate the machine as instructed and follow these instructions.

Observe the safety regulations as well as the guidelines of the civil engineering trade association. Observe the safety rules for operation and the pertinent regulations for the prevention of accidents.

Stone Construction Equipment, Inc. is not liable for the function of the machine when used in an improper manner or for other than the intended purpose.

Operating errors, improper maintenance and the use of incorrect operating materials are not covered by the warranty.

The above information does not extend the warranty and liability conditions of business of Stone Construction Equipment, Inc.

1.	Machine Type:
	Machine S/N:
2.	Engine Type:
	Engine S/N:
3.	VIN:
4.	Purchase Date:
5.	Dealer/Distributor Information:
	Name:
	Address:
	Phone #:
	Fax #:
6.	Battery Manufacturer:
	Battery Type:
	Battery S/N:

Location of above information:

- 1. Information on S/N tag.
- 2. Information on engine tag.
- 3. Information on S/N tag if applicable.
- 4. Date you purchased machine.
- 5. Dealer machine was purchased from.
- 6. Information on battery and battery warranty card.

Stone Construction Equipment, Inc. P.O. Box 150, Honeoye, New York 14471 Phone: (800) 888-9926

Fax: (585) 229-2363

Limited Warranty

The Manufacturer warrants that products manufactured shall be free from defects in material and workmanship that develop under normal use for a period of 90 days for concrete vibrators and electric pumps, one year for Rhino®, Bulldog®, WolfPac Rollers™, trowels, Stompers®, saws, forward plates, engine powered pumps, Lift Jockey™, Mortar Buggy™ and 6 months for all other products from the date of shipment. The foregoing shall be the exclusive remedy of the buyer and the exclusive liability of the Manufacturer. Our warranty excludes normal replaceable wear items, i.e. gaskets, wear plates, seals, Orings, V-belts, drive chains, clutches, etc. Any equipment, part or product which is furnished by the Manufacturer but manufactured by another, bears only the warranty given by such other manufacturer. (The Manufacturer extends the warranty period to "Lifetime" for the drum bearings and seals for the mortar mixers, and agrees to furnish, free of charge, the bearings and seals only upon receipt of the defective parts. The warranty is two years for eccentric bearings on the forward plate compactors, mortar and plaster mixer drums, trowel gearboxes and five years on the Bulldog trench roller eccentric bearings.) A Warranty Evaluation Form must accompany all defective parts. Warranty is voided by product abuse, alterations, and use of equipment in applications for which it was not intended, use of non-manufacturer parts, or failure to follow documented service instructions. The foregoing warranty is exclusive of all other warranties whether written or oral, expressed or implied. No warranty of merchantability or fitness for a particular purpose shall apply. The agents, dealer and employees of Manufacturer are not authorized to make modification to this warranty, or additional warranties binding on Manufacturer. Therefore, additional statements, whether oral or written, do not constitute warranty and should not be relied upon.

The Manufacturer's sole responsibility for any breach of the foregoing provision of this contract, with respect to any product or part not conforming to the Warranty or the description herein contained, is at its option (a) to repair, replace or refund such product or parts upon the prepaid return thereof to location designated specifically by the Manufacturer. Product returns not shipped prepaid or on an economical transportation basis will be refused (b) as an alternative to the foregoing modes of settlement - the Manufacturer's dealer to repair defective units with reimbursement for expenses, except labor, and be reviewed with the Manufacturer prior to repair. A Warranty Evaluation Form must accompany all warranty claims.

Except as set forth hereinabove and without limitation of the above, there are no warranties or other affirmations which extends beyond the description of the products and the fact hereof, or as to operational efficiency, product reliability or maintainability or compatibility with products furnished by others. In no event whether as a result of breach of contract or warranty or alleged negligence, shall the Manufacturer be liable for special or consequential damages including but not limited to: Loss of profits or revenues, loss of use of the product or any associated product, cost of capital, cost of substitute products, facilities or services or claims of customers.

No claim will be allowed for products lost or damaged in transit. Such claims should be filed with the carrier within fifteen days.

Effective July 2002.

Stone Construction Equipment, Inc. • 8662 Main Street, P. O. Box 150 • Honeoye, NY 14471-0150 Phone: 1-800-888-9926 • 1-585-229-5141 Fax: 1-585-229-2363 www.stone-equip.com • e-mail: sceny@stone-equip.com

Specifications

Stone Lift Jockey™ - Specifications

LJS2000 SPECIFICATIONS			
Base Weight (kg)	2,070 lbs. (941)		
Weight (kg) (7'6" Mast)	2,470 lbs (1123)		
Length (cm) (Heel of forks	Walk-behind / Ride-on		
to rear of machine)	86" (218,44) / 100" (254)		
Width (cm) single wheels	34.25" (87)		
Width with dual wheels	46.50" (118,11)		
Mast (Lift Height) (m)	7' 6" (2,3)		
	8' 6" (2,6)		
	9' 6" (2,9)		
Lowered Height (m)	5' 9" (1,8)		
	6' 3" (1,9)		
	6' 9" (2,1)		
Raised Height (m)	10' 9" (3,3)		
	11' 9" (3,6)		
	12' 9" (3,9)		
Mast Capacity - 12" load			
center (kg)	1,000 lbs. (455)		
Mast Tilt Forward	4°		
Mast Tilt Rear	6°		
Wheelbase (cm)	48" (122)		
Engine (kW)	8 hp Honda - elec. (6)		
RPM	3600		
Speed (km/h)	3 mph (4,8)		
Turning Radius (cm)	57" (145)		
Fuel Tank (I)	7 gal (26,5)		
Hydraulic Capacity (I)	7.5 gal (28,4)		
Options	Quick-Release Dual Tires		
- Pallet Forks (cm)	28 1/4", 36"		
l <u>.</u>	(60,16 / 71,76)		
- Invertable Forks (cm)	22" (55,88)		
- Block Forks (cm)	22" (55,88)		
Patents applied for: Quick-release system, brake pedal			

Machine Data

Engine Type	8 hp 4-Stroke, Overhead Valve, Single Cylinder
Engine Make	Honda
Engine Model	GX240
Max Torque @ 2500 RPM	12.3 ft lb (16.8) Nm
Idle Speed Operating Speed	1400 RPM min 3600 RPM
Battery	12 Volt System Battery BCI Group U1- 12 165 cca 5 amp Charge System
Fuel Type	Gasoline 86 Octane minimum
Fuel Tank Capacity (1)	7 gallons (26.5 liters)
Fuel Consumption	1.14 gallons-per-hour
Spark Plug	NGK BPR6ES gap .028031 inches (.78 mm)

LUBRICATION SPECIFICATIONS

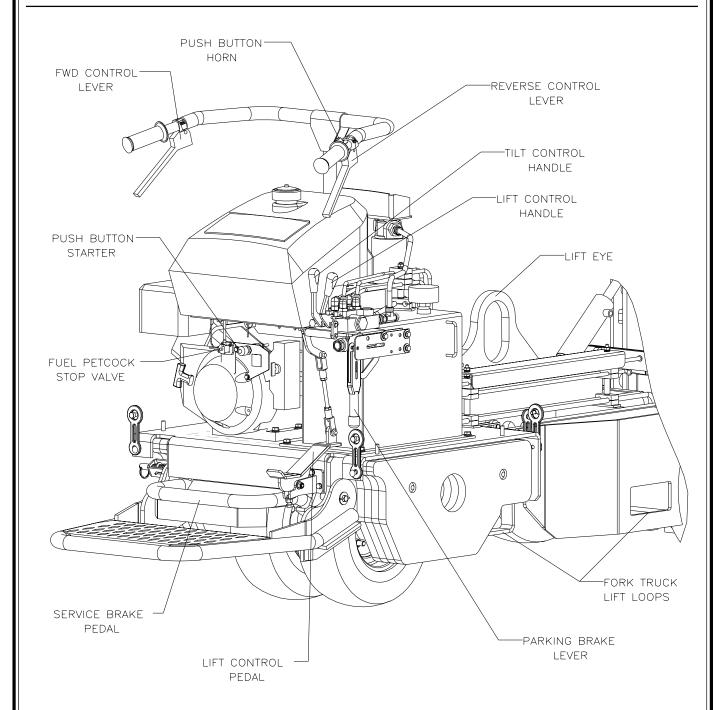
	Type	Quantity
Engine Crankcase	SAE 30	1.16 quart/1.1 liter
Hydraulic System	Mobil 424 Hydraulic Oil	7.5 gal/28.39 liter

Machine Sound Level

MACHINE SOUND LEVEL TEST

Machine Type:	Lift Jockey LJS2000
Sound Level Meter Calibration Date:	February 15, 2000
Meter Type:	Simpson Model 886-2 Type 2
Test Date:	June 2, 2003
Test Conditions	
Temperature:	65 degrees Fahrenheit / 18 degree Celsius
Ambient Sound:	dba fast mode
Soil Condition:	Silts and clays
Moisture Limit:	Approximately equal to 54%
Engine speed:	3600 rpm / 60 Hz
Test Site;	Honeoye, New York USA
Sound Level at Operator Position:	95 dba

Operator Controls



One-piece all welded steel frame provides low center of gravity for maximum stability.

Familiarization with locations and operation of controls is necessary before attempting to operate this vehicle.

Imperial Torque Chart

SAE GRADE 5 Coarse Thread, Zinc-Plated		
SIZE	TOR	QUE
	ft. lbs.	Nm
1/4 - 20 (.250)	6	8
5/16 - 18 (.3125)	13	18
3/8 - 16 (.375)	23	31
7/16 - 14 (.4375)	37	50
1/2 - 13 (.500)	57	77
9/16 - 12 (.5625)	82	111
5/8 - 11 (.625)	112	152
3/4 - 10 (.750)	200	271
7/8 - 9 (.875)	322	436.5
1 - 8 (1.000)	483	655

SAE GRADE 8 Coarse Thread, Zinc-Plated		
SIZE	TORG	QUE
	ft. lbs.	Nm
1/4 - 20 (.250)	9	12
5/16 - 18 (.3125)	18	24
3/8 - 16 (.375)	33	45
7/16 - 14 (.4375)	52	70
1/2 - 13 (.500)	80	108
9/16 - 12 (.5625)	115	156
5/8 - 11 (.625)	159	215
3/4 - 10 (.750)	282	382
7/8 - 9 (.875)	454	615
1 - 8 (1.000)	682	925

SAE GRADE 5 Fine Thread, Zinc-Plated		
SIZE	TOR	QUE
	ft. lbs.	Nm
1/4 - 28 (.250)	7	10
5/16 - 24 (.3125)	14	19
3/8 - 24 (.375)	26	35
7/16 - 20 (.4375)	41	56
1/2 - 20 (.500)	64	87
9/16 - 18 (.5625)	91	123
5/8 - 18 (.625)	128	173
3/4 - 16 (.750)	223	302
7/8 - 14 (.875)	355	481
1 - 12 (1.000)	529	717
1 -14 (1.000)	541	733

SAE GRADE 8 Fine Thread, Zinc-Plated		
SIZE	TORO	QUE
	ft. lbs.	Nm
1/4 - 28 (.250)	10	14
5/16 - 24 (.3125)	20	27
3/8 - 24 (.375)	37	50
7/16 - 20 (.4375)	58	79
1/2 - 20 (.500)	90	122
9/16 - 18 (.5625)	129	175
5/8 - 18 (.625)	180	244
3/4 - 16 (.750)	315	427
7/8 - 9 (.875)	501	679
1 - 12 (1.000)	746	1011
1 -14 (1.000)	764	1036

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Metric Torque Chart

Property Class 8.8 ZINC-PLATED Coars

ZING-PLATE
SIZE
M6
M8
M10
M12
M14
M16
M20
M24

Coa	rse	Th	read

Nm	ft. lbs.				
9.9	7				
24	18				
48	35				
83	61				
132	97				
200	148				
390	288				
675	498				

Fine Thread

Nm	ft. lbs.
NA	NA
25	18
49	36
88	65
140	103
210	155
425	313
720	531

Property Class 10.9 ZINC-PLATED Coarse

SIZE
M6
M8
M10
M12
M14
M16
M20
M24

Coarse Thread

illeau
ft. lbs.
10
25
49
86
136
210
406
701

Fine Thread

Nm	ft. lbs.
NA	NA
35	26
68	50
125	92
192	142
295	218
600	443
1000	738

Property Class 12.9

ZINC-PLATED

SIZE
M6
M8
M10
M12
M14
M16
M20
M24

Coarse Thread

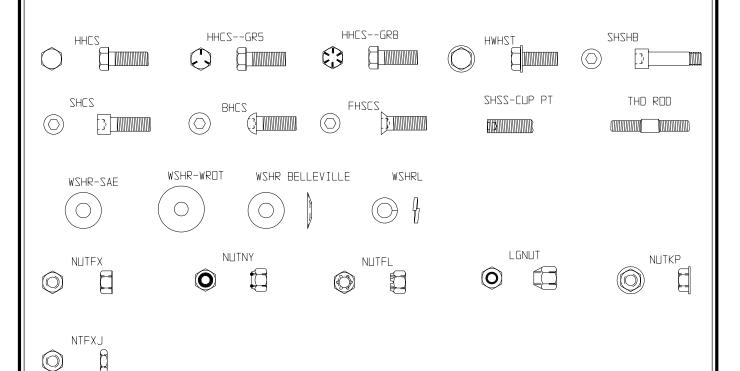
Coarse Tilleau							
Nm	ft. lbs.						
16.5	12						
40	30						
81	60						
140	103						
220	162						
340	251						
660	487						
1140	841						

Fine Thread

i ilic i ilicaa						
Nm	ft. lbs.					
NA	NA					
42	31					
82	60					
150	111					
235	173					
350	258					
720	531					
1200	885					

Conversion Factor: 1 ft. lb. = 1.3558 Nm

Hardware



Safety Precautions

Before using this equipment, study this entire manual to become familiar with its operation. Do not allow untrained or unauthorized personnel, especially children, to operate this equipment. Use only factory authorized parts for service. When warning decals are destroyed or missing, contact the Manufacturer immediately at 1-800-888-9926 for replacement. For the safety of yourself and others, it is imperative that the following rules are observed. Failure to do so may result in serious injury or death.

FOLLOW SAFETY INSTRUCTIONS



- Carefully read all safety messages and decals in this manual and on your machine safety signs. Keep decals in good condition.
 Replace missing or damaged decals. Be sure new equipment components and repair parts include the current safety signs.
 Replacement safety signs and decals are available through your dealer.
- Learn how to operate the machine and how to use controls properly. Do not let anyone operate without instruction.
- Keep your machine in proper working condition. Unauthorized modifications to the machine may impair the function and/or safety and affect machine life.
- If you do not understand any part of this manual and need assistance, contact your dealer.



This notation appears before warnings in the text. It means that
the step which follows must be carried out to avoid the possibility
of personal injury or death. These warnings are intended to help
the technician avoid any potential hazards encountered in the
normal service procedures. We strongly recommend that the
reader takes advantage of the information provided to prevent
personal injury or injury to others.

Safety Precautions

A DANGER

A WARNING

A CAUTION

UNDERSTAND SIGNAL WORDS

- A signal word DANGER, WARNING, or CAUTION is used with the safety-alert symbol. DANGER identifies the most serious hazards.
- DANGER or WARNING safety signs are located near specific hazards. General precautions are listed on CAUTION safety signs. CAUTION also calls attention to safety messages in this manual.

MY

USE COMMON SENSE WHEN HANDLING FUELS

- Transport and handle fuel only when contained in approved safety container.
- Do not smoke when refueling or during any other fuel handling operation.
- Do not refuel while the engine is running or while it is still hot.
- If fuel is spilled during refueling, wipe it off from the engine immediately and discard the rag in a safe place.
- Do not operate the equipment if fuel or oil leaks exist repair immediately.
- Never operate this equipment in an explosive atmosphere.



HOT SURFACES

- Avoid contact with hot exhaust systems and engines.
- Allow all components in the engine compartment to cool before performing any service work.

Safety Precautions



- Never perform any work on the equipment while it is running.
- Before working on the equipment, stop the engine and disconnect the spark plug wire(s) to prevent accidental starting. On electric models, disconnect the electric cord at the equipment.
- Keep cowl closed and latched during the operation, close and latch cowl immediately after starting.
- Keep hands, clothing and jewelry away from all moving parts.
- Keep all guards in place.
- Never place your hands or any solid object into the drum while the equipment is in operation.

WEAR PROTECTIVE CLOTHING



- Wear close fitting clothing and safety equipment appropriate to the job.
- Prolonged exposure to loud noise can cause impairment or loss of hearing.
- Wear a suitable hearing protective device such as earmuffs or earplugs to protect against objectionable or uncomfortable loud noises.
- Operating equipment safely requires the full attention of the operator. Do not wear radio or music headphones while operating machine.

PREPARE FOR EMERGENCIES

- Be prepared if a fire starts.
- Keep a first aid kit and fire extinguisher handy.
- Keep emergency numbers for doctors, ambulance service, hospital, and fire department near your telephone.

Safety Precautions



Warning-Eye Protection

• Always wear splash goggles when operating equipment.



• Starting fluid (ether) is highly flammable, do not use or an explosion or fire may result.



- Never operate unit in a poorly ventilated or enclosed area.
- Avoid prolonged breathing of exhaust gases.
- Engine exhaust fumes can cause sickness or death.

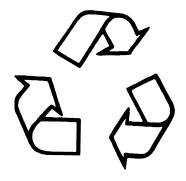




- Understand service procedure before doing work. Keep area clean and dry.
- Never lubricate, service or adjust machine while it is moving. Keep hands, feet, and clothing from power-driven parts. Disengage all power and operate controls to relieve pressure. Lower equipment to the ground. Stop the engine. Remove the key. Allow machine to cool.
- Securely support any machine elements that must be raised for service work.
- Keep all parts in good condition and properly installed. Repair damage immediately. Replace worn or broken parts. Remove any buildup of grease, oil, or debris.
- Disconnect battery ground cable (-) before making adjustments on electrical systems or welding on machine.

Safety Precautions





- Improperly disposing of waste can threaten the environment and ecology. Potentially harmful waste used with equipment include such items as oil, fuel, coolant, brake fluid, filters, and batteries.
- Use leakproof containers when draining fluids. Do not use food or beverage containers that may mislead someone into drinking from them.
- Do not pour waste onto the ground, down a drain, or into any water source.
- Air conditioning refrigerants escaping into the air can damage the Earth's atmosphere. Government regulations may require a certified air conditioning service center to recover and recycle used air conditioning refrigerants.
- Inquire on the proper way to recycle or dispose of waste from your local environmental or recycling center.

SAFETY DECALS - FOR THE SAFETY OF YOURSELF AND OTHERS REPLACE ANY DAMAGED OR MISSING SAFETY DECALS.

Part No.	Part Description	Qty
55200	Decal Lift Here	4
55398	Decal Warning Hot Surfaces	1
55422	Decal Hydraulic Fluid Mobil 424	1
55427	Decal Lifting Point	2
55467	Decal Warning No Riders	1
55468	Decal Control Lift	1
55469	Decal Control Tilt	1
55471	Decal Caution Instruction LJ100	1
55472	Decal Warning Instruction LJ100	1
55473	Decal Warning Load Low Carry	1
55474	Decal Warning Hands Clear	1
55485	Tag Switch Stop Fuel	1
55486	Decal Tag Start	1
55504	Decal Instruction Forward	1
55505	Decal Instruction Reverse Horn	1
55506	Decal Instruction Lift Point Cover	1

Tasks



IMPORTANT

The person attempting *any* of the following maintenance tasks must be authorized to do so and have read *and* understood *all* sections within this manual.

Intro/Know Your Lift

INTRODUCTION

Congratulations on your purchase of the LJS2000 Lift Jockey! You've made an excellent choice. The Lift Jockey is specifically designed for lifting and transporting a wide variety of materials on your job site. Your new Lift Jockey comes standard with the following features:

Mast Height - Choice of three (3) interchangeable, rugged, high lift masts. Lift from heights of 7'6" to 9'6". Masts tilt forward and reverse for easy handling and discharging of loads.

Load/Speed Capacity- Lifts and moves up to 1,000 lbs. at speeds up to 3 mph for getting around any site faster.

Controls- Forward and reverse travel controlled by handle grips on steering handle. All controls--horn, throttle, tilt control and lift/lower are within operators reach. Power controls automatically return to neutral position when released.

Hydrostatic Drive - Clean, quiet with totally enclosed hydraulic drive circuit. Provides reliability, lower maintenance and longer life.

Engine Cowl - Allows easy access to all maintenance points for quick service. Provides optimum airflow for cooler running and longer life on components.

Lift Points—Provide two means to lift with forks or a hoist. Two sets of fork loops are located widthwise under the frame and a lift eye under the front hood. Allows easy transport for unit and placing on elevated platforms.

Tires- Foam-filled drive and load tires provide the added toughness and reliability on a job site.

Forks- Four interchangeable, adjustable fork options provide efficient handling of all types of loads. Choose from round block forks or box forks for several different pallet sizes. The 22 inch invertable box forks can be used to increase effective lifting height for applications such as setting lintels.

KNOW YOUR LIFT

Read and understand the owner's manual before starting the unit. Make sure you understand the purpose of every control. Refer to ASME Standard B56.1-2000 amended with B56.19-2001 Standard for forklift safety training. When operating the unit, remember the capacity it can carry and adjust speed and load for changing conditions.

Pre-Operation Checklist – Upon receipt of your Lift Jockey, **CAREFULLY CHECK FOR ANY FREIGHT DAMAGE.** Any damage should be immediately reported to the carrier and a claim registered.

The Lift Jockey is manufactured to the strictest specifications and inspection procedures. After inspecting the quality of the workmanship of your machine, please complete and return the tag on the machine with the assembler's signature with your findings to Stone. We value our customer's input and welcome any and all comments on how the product may serve you better.

The following instructions were compiled to provide you information on how to obtain long and trouble-free use of the unit. Read and understand the owner's manual before starting the unit. Make sure you understand the purpose of every control. When operating the unit, know the capacity it can carry and adjust the speed and load for changing conditions.

Fluids/Lubrication

FLUIDS AND LUBRICATION

Hydraulic Oil--Check the hydraulic fluid level. Use the sight gage located on the hydraulic tank. A 1/4-1/2" air bubble will be seen at the top of the gauge showing the fluid level.

For satisfactory operation, the following fluid conditions apply:

- Accurate level readings can be checked only when the fluid is cold.
- If the natural color of the fluid has become black or milky, it is possible that an overheating or water contaminant problem exists.
- Do not mix hydraulic fluids. Mobil 424 SUS 255/55CST ISO VG55 is recommended for the hydraulic system.

CAUTION: After a new unit has run 5 hours, the oil filter should be changed. This is to rid the system of any trapped contamination from the wearin of the parts, see Maintenance.

Engine Oil--SAE 30 API SH or SJ (oil with "starburst" certification mark) is recommended for general, all temperature use. Check daily for proper oil level. DO NOT OVERFILL. See Engine Owner's Manual for specifications.



ENGINE IS EQUIPPED WITH LOW OIL SHUTDOWN. UNIT WILL SHUT DOWN IF ENGINE OIL IS LOW

Gasoline Fuel--Always use fresh, unleaded gasoline (86 octane min.). Fresh gasoline is blended for the season and reduces gum deposits that could clog the fuel system. Do not use gasoline left over from the previous season.

Refer to the Engine Manual for break- in.

DO NOT MIX OIL WITH FUEL. The engine has a separate oil reservoir in the crankcase. Unleaded gasoline is recommended for use in the engine since it leaves less combustion chamber deposits.



FUEL IS BOTH TOXIC AND FLAM-MABLE

DO NOT SMOKE WHILE WORKING WITH FUEL

DO NOT USE NEAR OPEN FLAME

ALWAYS STOP ENGINE BEFORE RE-FUELING

CLEAN UP SPILLED FUEL BEFORE STARTING

AVOID FIRES BY KEEPING ENGINE CLEAN OF ACCUMULATED GREASE AND DEBRIS

START, STORE AND REFUEL ON LEVEL GROUND TO PREVENT PERSONAL INJURY

Fuel Tank/Hydraulic Oil



DO NOT RUN UNIT IN AN ENCLOSED, NON-VENTILATED AREA

AVOID PROLONGED BREATHING OF VAPORS AND SKIN CONTACT--SERIOUS ILLNESS OR LOSS OF LIFE COULD RESULT

Fuel Tank--Gasoline ONLY (see Engine Specifications Section for requirements).

Fill fuel tank at the end of each day's operation to prevent condensation in the tank.

Drain and flush fuel tank every 1,000 hours or 12 months.

Avoid storing fuel over long periods of time. If fuel is stored for more than a month prior to use or there is a slow turnover in fuel tank or supply tank, add a fuel conditioner to stabilize the fuel and prevent water condensation. Fuel conditioner also reduces fuel gelling and controls wax separation during cold weather.

Proper fuel storage is critically important. Use clean storage and transfer tanks. Periodically drain water and sediment from the bottom of the tank. Store fuel in a convenient place away from buildings.

HYDRAULIC OIL

The hydraulic drive motors are extremely reliable and will ordinarily not need maintenance or repair. If a vibration is experienced with engine running, check the coupler between the engine and the hydraulic pump. *Do not* make this inspection while engine is running. It will be necessary to remove the inspection cover. After adjusting and tightening the

coupler, replace the inspection cover and then start engine to see if the problem has been corrected. *Do not* run the engine or operate the Lift with the cover removed or not firmly attached.



ESCAPING HYDRAULIC FLUID UNDER PRESSURE CAN HAVE SUFFICIENT FORCE TO PENETRATE THE SKIN, CAUSING SERIOUS PERSONAL INJURY.

HYDRAULIC FLUID ESCAPING UNDER PRESSURE FROM A VERY SMALL HOLE CAN BE ALMOST INVISIBLE. USE A PIECE OF CARDBOARD OR WOOD TO SEARCH FOR POSSIBLE LEAKS. NEVER USE YOUR HANDS TO DETECT PRESSURE LEAKS. IF YOU ARE INJURED BY ESCAPING HYDRAULIC FLUIDS, SEE A DOCTOR AT ONCE. SERIOUS INFECTION OR REACTION CAN DEVELOP IF PROPER MEDICAL TREATMENT IS NOT ADMINISTERED IMMEDIATELY.

Mobil 424 SUS255/55CST ISO VG55 is recommended for the hydraulic system. Do not mix hydraulic oils. Check oil level daily, replace hydraulic oil every 800 hours.

- Remove return filter cap slowly.
- Remove drain plug and drain into suitable container.
- Clean drain plug, apply thread sealant to the plug, install and tighten.

Hydraulic Oil Filter/ Hydraulic Breather Cap

- Add fresh hydraulic oil until level is visible in the sight gauge. A 1/4 – 1/2 air bubble will be seen at the top of the gauge.
- Install and tighten return filter cap.
- Idle engine 2-3 minutes, stop engine and check for proper hydraulic oil level and leaks.

CAUTION: If hoses, filter and/or hydraulic components were changed, start the engine and purge the air from the system prior to checking the oil level. To do this, idle the engine for three minutes with control lever in neutral position. Slowly engage forward to reverse. This allows fluid to replace air introduced with the filter change. If this procedure is not followed, partial or complete failure of the pump may result.

NOTE: When changing the hydraulic oil, it is recommended to also change the hydraulic oil filter.

HYDRAULIC OIL FILTER

Replace every 100 hours. Never let the filter be completely clogged. Use Stauff Filter P/N 45150.

CAUTION: Never overfill the hydraulic tank. Use the sight gage located on the hydraulic tank. A 1/4-1/2" air bubble will be seen at the top of the gauge showing the fluid level. Before disconnecting any hydraulic lines, be sure engine is shut off and relieve all pressure. Before applying pressure to system, be sure all connections are tight and lines, fittings and hoses are not damaged.

HYDRAULIC BREATHER CAP

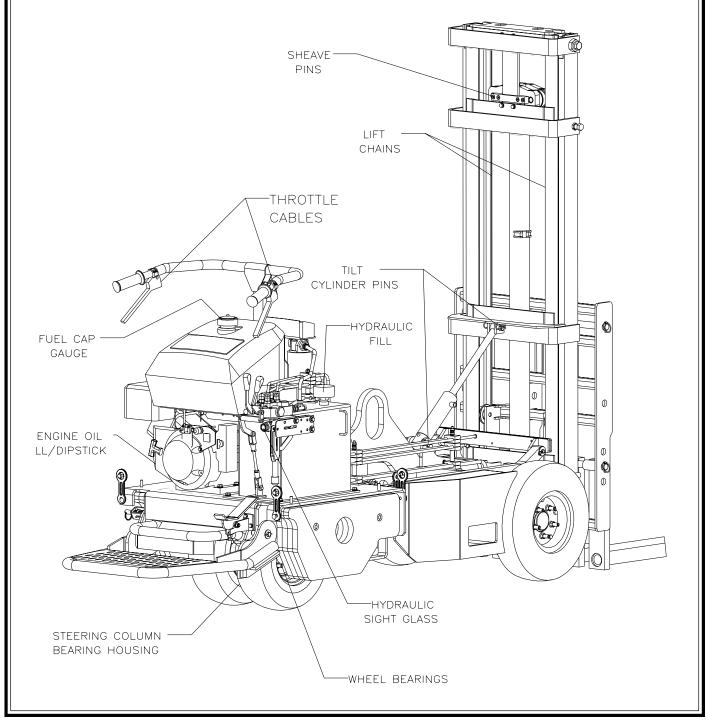
Replace every 800 hours or yearly. Use Stauff breather P/N 38521. To replace breather, use a hex wrench directly under cap.

Moving Joints, Hinges, Throttle, Controls, Cables--Lubricate with oil every 50 hours. Avoid over-lubricating lift chain. This can cause dust and dirt to cling--accelerating wear.

Lubrication Points

Lubrication Points--Refer to diagram below.

- Lube grease fittings with Lithium based grease at steering column every three (3) months or 50 hours.
- Use lube oil on the directional control pivots, sheave, pins, lift chains and tilt cylinder pins with engine oil every 3 (three) months or 50 hours.
- Avoid over lubricating lift chain. This can cause dust and dirt to cling--accelerating wear.



Engine

ENGINE

Refer to engine manual for specific engine information.

ENGINE OIL AND FILTER

- Replace oil at 20 hours, then change oil every 100 hours. Change the oil filter every 200 hours.
- Remove the oil filler cap, drain bolt and oil filter when required). Drain oil into a suitable container.
- Clean and install the drain bolt, tighten securely. When required install new oil filter, lightly oil filter seal.
- Fill with the recommended oil, fill to the upper limit mark on the dipstick, and tighten the oil filler cap securely.
- Run engine for 2-3 minutes, stop engine and check oil level and check for leaks.

NOTE: Please dispose of used motor oil and filter in a manner that doesn't harm the environment.

Under heavy loads, change engine oil and filter more frequently.

AIR CLEANER

Foam Pre-cleaner: Clean in warm soapy water, rinse and dry thoroughly. Apply oil to the foam and squeeze out excess oil. The engine will smoke if too much oil is left in the foam.

Paper Element: Tap the element lightly on a hard surface to remove excess dirt or blow pressurized air (30 psi max.) through the filter from the air cleaner cover side. Do not brush the dirt off.

Replace elements if damaged or excessively dirty.

SPARK PLUG

Recommended spark plug: BPR6ES (NGK) W20EPR-U (NIPPONDENSO)

To ensure proper engine operation, the spark plug must be properly gapped and free of deposits.

Clean and replace at scheduled maintenance. Clean engine before removing spark plug. Visually inspect the spark plug, discard if insulator or tip is damaged. Check that the spark plug washer is in good condition. If spark plug is to be reused, clean with a wire brush and set plug gap .028 - .031in (.70 - .80mm). Thread the spark plug in by hand to prevent cross threading. After the spark plug is seated, tighten with a spark plug wrench to compress the washer.

- If installing a new spark plug, tighten 1/2 turn after the spark plug seats to compress the washer.
- If reinstalling a used spark plug, tighten 1/8
 - 1/4 turn after the spark plug seats to compress the washer.

NOTICE:

- The spark plug must be securely tightened. An improperly tightened spark plug can become very hot and may cause engine damage.
- Use only the recommended spark plug or equivalent. A spark plug that has an improper heat range may cause engine damage.

ENGINE RPM

Start the engine and allow it to warm up to normal operating temperature, check the idle speed $1,400 \pm 100$, and adjust idle stop screw as required.

Check the full speed, Honda $3,600 \pm 100$ and adjust full speed stop screw as required.

Cooling System/Valve Clearance/Battery Policy

COOLING SYSTEM

The machine should be cleaned at scheduled maintenance. This should include cleaning the air inlet screens and the engine cooling fins. Wash machine with warm soapy water, rinse off mud and dirt with water, and use pressurized air (30-psi max.) to blow dirt and debris from engine.

VALVE CLEARANCE

Due to special tool requirements and training, an authorized engine dealer should perform this service unless the owner has the proper tools and proper shop manuals.

Battery-Battery replacement is a Crown U1-12 or equal 165 CCA battery. See Engine Specifications Section for battery requirements.

Battery vapors can explode. Keep sparks and flames away from batteries. Never check battery charge by placing a metal object across the posts. Use a voltmeter or hydrometer.

- Once a month check the battery condition.
 With engine off, check the battery for 12.5 volts with a voltmeter.
- Clean battery, posts, and terminals. Disconnect battery cables before charging to avoid damage to the electrical system.
- Keep batteries clean by wiping them with a damp cloth. Keep all connections clean and tight. Remove any corrosion and wash terminals with a solution of 1 part baking soda and 4 parts water. Tighten all connections and check that the battery is securely fastened with properly installed hold downs.

NOTE: Coat battery terminals and connectors with a mixture of petroleum jelly and baking soda to retard corrosion.

 Keep battery fully charged, especially during cold weather. If a battery charger is used, turn charger off before connecting charger to battery. Attach POSITIVE (+) battery charger lead to POSITIVE (+) battery post. Then attach NEGATIVE (-) battery charger lead to a good ground.

Battery Policy

Battery warranty begins when equipment is sold from Stone Construction Equipment, Inc. or a Stone dealer to a customer.

Battery warranty claims must include the unit's purchase receipt with date. Claims without purchase receipt will be based on the battery identification numbers.

Battery returns and/or adjustments are made through battery distributors.

For nearest Crown distributor call: 1-800-237-6126.

Power Train/Transmission

Power Train

See Lubrication Specifications Section. Check hydraulic oil level daily using the sight gauge located on the hydraulic tank. A 1/2- 3/4" air bubble will be seen at the top of the gauge. Keep filled to proper level with Mobil 424 Hydraulic oil or equivalent. Your local oil vendor can determine compatible oils. Mobil 424 Hydraulic Oil or equivalent should be changed every 200 hours. The Hydraulic Oil Filter needs to be changed every time the Hydraulic Oil is changed. For temperatures below 35 degrees, oil should be switched to thinner 15 weight hydraulic fluid.

For satisfactory operation, the following oil conditions apply:

- Accurate level readings can be checked only when the fluid is cold and machine is on level ground.
- If the natural color of the fluid has become black or milky, it is possible that an overheating or water contaminant problem exists.
- DO NOT mix hydraulic fluids. See Lubrications Specifications Section for hydraulic system recommendations.
- Add hydraulic oil through breather tube.
 Pour hydraulic oil through strainer basket into hydraulic tank.

The hydraulic drive motors are extremely reliable and will ordinarily not need maintenance or repair. If a vibration is experienced with engine running, check the coupler between the engine and the hydraulic pump. Do not make this inspection while engine is running. It will be necessary to remove the inspection cover. After adjusting and tightening the coupler, replace the inspection cover and then start engine to see if the problem has been corrected. Do

not run the engine or operate the lifter with the cover removed or not firmly attached.

CAUTION: This breather is designed to pressurize the reservoir to 5 PSI. Loosen cap slowly to avoid injury whenever adding oil or working on the hydraulic system. Use a wrench on the hex directly under the cap.



Transmission

The hydrostatic transmission is properly adjusted when no movement of the unit is visible.

Transmission Return to Neutral Adjustment

The hydrostatic transmission is equipped with a self-centering device that centers the swash plate to stop flow to the wheel motors, stopping the machine. If unit creeps one direction when controls are released adjustment may be required. To adjust use the following procedure:

- 1. Follow procedure in Operator Manual to Shut Off Machine.
- 2. Detach throttle control cables at transmission and jack front wheels off of ground.

Transmission Adjustment

- 3. Start machine. Increase engine throttle to full speed while checking for front drive wheel rotation. If wheels rotate proceed to Step 4. If no rotation is observed shut off machine and follow Transmission Control Adjustment procedure.
- 4. Note the directional movement of the front drive wheels. SHUT OFF MACHINE. Loosen the lock down screw until the return arm can be rotated. If wheels were observed moving forward—rotate return arm clockwise. If wheels were observed moving in reverse—rotate counterclockwise. Tighten lock down screw and follow step 3.

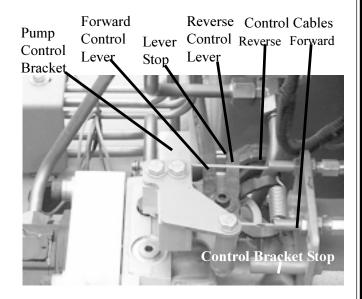
AWARNING

POTENTIAL FOR SERIOUS INJURY. CERTAIN PROCEDURES REQUIRE THE MACHINE TO BE OPERATED WHILE RAISED OFF OF GROUND. TO PREVENT INJURY, ENSURE THE MACHINE IS PROPERLY SECURED.

DO NOT ATTEMPT ANY ADJUSTMENTS WITH THE ENGINE RUNNING. USE EXTREME CAUTION WHILE INSPECTING ALL VEHICLE LINKAGE.

Transmission Control Adjustment

The transmission is controlled by two cables and a control bracket assembly. Over time the cables may stretch and require adjustment. Use the following procedure to adjust:



- 1. Follow the procedure in the operator manual to shutoff machine.
- 2. Loosen nuts at threaded end of control to loosen control cables and uncompress springs inside of pump control bracket.
- 3. Check for 3/8" clearance between the pump control bracket and the forward control lever. If there is clearance go on to Step 4 otherwise loosen bolts at top of bracket and adjust for clearance.
- 4. Tighten nuts on forward control to tighten cable at pump control bracket. Squeeze forward handle grip and check for 3/8" clearance between forward control lever and lever stop. Continue to adjust control cable until clearance is achieved. Make sure control bracket does not contact control bracket stop.

Transmission Adjustment/ Brake Adjustment

5. Next tighten nuts on reverse control to tighten cable at pump control bracket. Squeeze reverse handle grip and check for 1/16" clearance between pump control bracket and forward control lever. Continue to adjust control cable until only a 1/16" can fit between the pump control bracket and forward control lever.



DO NOT ATTEMPT ANY ADJUSTMENTS WHILE MACHINE IS RUNNING.



DO NOT MODIFY OR TAMPER WITH STOPS FOR CONTROL LEVERS.

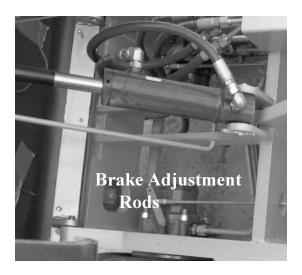


FAILURE TO FOLLOW THIS WARNING COULD RESULT IN SERIOUS INJURY OR DEATH.

Brake Adjustments

Brakes are adjusted at factory and will need to be adjusted as brake shoes wear. Check operation daily. Adjust at 25 hours then as needed.

Service Brake Adjustment—Brake adjustment rods need adjusting in equal amounts. Jack machine up so that front tire is off ground. Remove clevis pin from yoke. While screwing yoke, keep count of number of



turns for repeating the same procedure on other side until brake is adjusted.

Parking Brake Adjustment--Turning the knob on the parking brake handle clockwise can make finetuning to the parking brakes.

Tires, Lugnuts, Hardware/Changing Wheel/Quick Release Wheel

Tires, Lugnuts and Hardware

 Check that all lugnuts are tight weekly using a torque of 90 ft. lbs. (122 Nm). This is important on new machines or newly replaced wheels.



Figure 7

- Inspect all hardware is tight weekly (see Torque Charts Section).

NOTE: When installing or replacing hardware, loctite 262 threadlocker is required to prevent loosening.

Proper Care--Inspect tires for cuts, slashes, or bulges. Tires with defects need to be replaced or repaired for proper handling and safety.



WHEN REPLACING TIRES \mathbf{OR} **CHANGING** TODUAL WHEEL CONFIGURATION, USE MANUFACTURER'S RECOMMENDED TIRES ONLY. FAILURE TO FOLLOW THIS WARNING COULD RESULT IN SERIOUS INJURY \mathbf{OR} DEATH.

Changing Single Wheel to Dual Wheel

Standard Machine

- 1. Jack machine. Apply parking brake.
- 2. Remove five (5) lug nuts.
- 3. Assemble inner dual wheel adapter then replace five (5) lug nuts on adapter wheel and torque to 32 ft. lbs.
- 4. Assemble outer wheel.
- 5. Assemble five (5) lugnuts and torque to 32 ft.lbs.
- 6. Repeat above steps on opposite side of machine.

Quick Release Wheel Option

- 1. Position machine inner wheel over 2x4 and apply parking brake.
- 2. Remove large tee bolt in center of wheel with crow bar (figure 7).
- 3. Remove outside wheel with quick-change hub attached.
- 4. Repeat above steps on opposite side of machine.

Parking & Transporting / Lifting Points

PARKING/TRANSPORTING

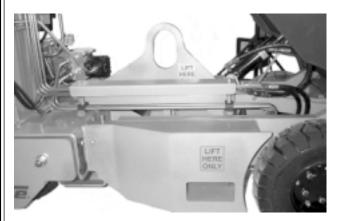
Parking on a Grade--Parking the unit on a grade should be avoided if possible. If unit has to be parked on a grade, park it at right angles to the slope and apply the parking brake and block the wheels if necessary.

Long Term Parking--When unit is not in use for long period of time, lower mast and tilt forward. Apply parking brake and park unit out of main traffic areas.

Moving Machine Without Engine Power--The unit can be moved, if the engine won't run. The transmission is provided with a bypass valve. Turn the valve counterclockwise to tow and clockwise to run.

Transporting Machine--When transporting unit, observe overall height for proper clearance of obstacles overhead. Make sure mast is lowered and tilted forward. Secure unit with the proper devices and in the proper locations.

Proper Lifting Points--There are two ways of lifting the unit, from the side or from the lifteye. Lift hood to access lifteye.



Proper Tie Down Practices—Tie unit down with proper devices. Make sure all blocking is secure.

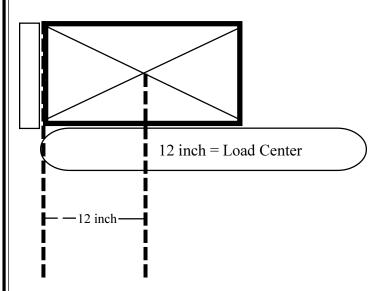
Proper Transportation Practices--Always know overall height to allow proper clearance for overhead obstructions such as power lines, overhangs, and doorways when transporting unit on a high vehicle.

Mounting/Dismounting--Always use 'three point contact' when mounting the lifter. Three points refers to three out of four arms/legs are in contact with lifter during mounting and dismounting. Always face the lifter whether mounting or dismounting.

Starting Instructions--Before starting engine, refer to engine owners' manual before you begin.

Shut-Off--Come to complete stop before setting parking brake. Idle engine for gradual cooling before shutting the engine off. Cycle hydraulic controls to eliminate residual pressure. Turn petcock to 'off' to stop engine. Set parking brake and block wheels if on a slope or incline.

Capacity & Load/Cleaning & Storage/Spring Start-Up



Capacity and Load Center

Know the rated capacity and load center of your lifter and NEVER EXCEED capacity. The rated capacity and load center are indicated on the mast capacity tag located on the Operator's right hand side column of the mast. Model numbers on the mast capacity tag and machine's serial tag must match to meet safety standard. The load center for this machine is 12 inches and is defined as the longitudinal distance from the heel of the forks to the center of gravity of the load as illustrated.

CLEANING AND STORAGE

If equipment is taken out of operation for the Winter season or a prolonged period, follow below procedures to prevent machine or engine damage.

- 1. Lower mast cylinder and tilt mast forward.
- 2. Completely clean the outside of the engine.
- 3. Drain the fuel system and fill it with the preservative fuel. If preservative fuel is not used, the system can be kept full with

normal fuel but the fuel must be drained and discarded at the end of the storage period together with the fuel filter element(s).

- 4. Operate the engine until it is warm. Stop the engine and drain the lubricating oil from the oil pan.
- 5. Preservative fluid must be drained and the lubricating oil pan must be filled to the correct level with normal lubricating oil at the end of the storage period.
- 6. Operate the engine for a short period in order to circulate the lubricating oil.
- 7. Disconnect the battery. Then put the battery into safe storage in a fully charged condition. Before the battery is put into storage, protect its terminals against corrosion. Grease may be used on the terminals.
- 8. Remove the air filter. Seal the vent pipe of the fuel tank or the fuel filler cap with waterproof tape.

Spring Start-Up

- 1. Drain engine preservative oil and fill with normal engine oil. Check engine oil level.
- 2. If fuel preservative was not used, drain and replace fuel and fuel filter.
- 3. Charge battery and install.
- 4. Check air filter.
- 5. Check hydraulic oil level.
- 6. Check hardware for looseness. If loose, tighten according to torque chart.

Hardware Guidelines/ Hoses, Fittings

- 7. Check hydraulic connectors for looseness or leaking.
- 8. Reacquaint yourself with Operations and Owner's Manuals.

Hardware Guidelines

Shear bolts are designed to fail under predetermined loads. Always replace shear bolts with identical grade.

Fasteners should be replaced with the same or higher grade. If higher grade fasteners are used, these should only be tightened to the strength of the original.

Make sure fasteners threads are clean and that you properly start thread engagement. This will prevent them from failing when tightening.

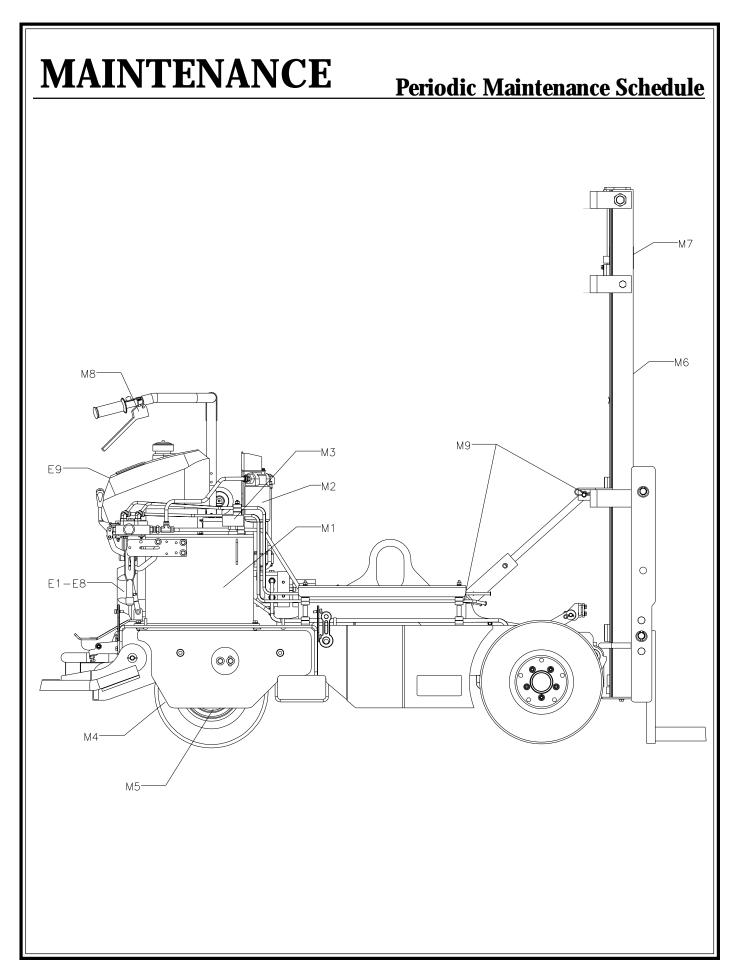
Hoses, Fittings and Leakage

Check weekly for loose hose fittings, damage, and leakage--it is important to check entire machine periodically.

Inspect Machinery—A daily inspection of the unit is recommended to insure all systems are in proper working order.

Check Travel Path--Inspect the surface on which the unit is going to travel. Avoid soft soil, slippery spots, and water spots. Avoid anything that could make you lose control.

Machine Cleanliness--Keep unit clean of all debris.



MAINTENANCE Periodic Maintenance Schedule

CHECK/ADJUST CLEAN/REPLACE		DAILY	WEEKLY	OTHER	INSTRUCTIONS
ENGINE	#				READ EMISSION WARRANTY, OPERATOR & ENGINE MANUAL
E1 OIL LEVEL		\checkmark		0	HONDA REPLACE AT 20 HRS, THEN EVERY 100 HRS SAE 10W-30 SH OR SJ
E2 FUEL CAP & STRAINER		\checkmark		0	CHECK DAILY, CLEAN EVERY 6 MONTHS OR 100 HRS
E3 SEDIMENT CUP & FILTER					CLEAN EVERY 100 HRS, GX240 P/N 31258
E4 AIR FILTER & PRECLEANER		/			CLEAN EVERY 50 HRS, REPLACE EVERY 300 HRS, GX240 P/N 31257
E5 SPARK PLUG GX240					CLEAN EVERY 100 HRS GAP SETTING .028", REPLACE EVERY 300 HRS, P/N 31234 (NGK BPR6ES)
E6 ENGINE RPM IDLE/FULL	#			/	CHECK IDLE & FULL SPEED RPM EVERY 300 HRS
E7 CLEAN COOLING SYS.			/	0	CLEAN/BLOW OUT AIR INLETS, ENGINE FINS (30 PSI MAX.)
E8 VALVE CLEARANCE	##			/	CHECK/ADJUST HONDA 300 HRS
E9 FUEL TANK				/	CLEAN EVERY YEAR OR 300 HRS
MACHINE					IMPORTANT READ OPERATOR MANUAL, & ENGINE MANUAL
M1 HYDRAULIC OIL LEVEL		/		0	REPLACE EVERY 800 HRS MOBIL 424
M2 HYDRAULIC FILTER				0	REPLACE EVERY 100 HRS (P/N 45150)
M3 HYDRAULIC BREATHER				0	REPLACE EVERY 800 HRS (P/N 38521)
M4 REAR STEERING COLUMN			\bigcirc		LUBE WEEKLY WITH LITHIUM BASE GREASE
M5 REAR WHEEL HUBS (2)				0	REPACK YEARLY WITH LITHIUM BASE GREASE
M6 LIFT CHAIN				0	CHECK/TENSION/LUBRICATE CHAIN WEEKLY WITH CHAIN LUBE
M7 ROLLER CHAIN PINS		\checkmark			CHECK OPERATION, LUBE PINS EVERY 50 HRS, LIGHT OIL
M9 THROTTLE CABLE		/			CHECK OPERATION, LUBE CABLE EVERY 50 HRS, LIGHT OIL
M9 TILT CYLINDER PINS		\checkmark			CHECK OPERATION, LUBE PINS EVERY 50 HRS, LIGHT OIL
M10 BATTERY/CHARGE SYSTEM					CHECK/CLEAN MONTHLY/ CHECK FOR 13-14 VOLTS AT FULL RPM
M11 LEAKS OIL & FUEL		/			CLEAN UNIT & INSPECT
M12 HARDWARE/ENGINE MOUNTS		/			CLEAN UNIT & CHECK TORQUE
# IMPORTANT READ ENGINE EMISSION WARRANTY STATEMENT, STONE MANUAL & ENGINE MANUAL					

SEE AUTHORIZED ENGINE SERVICE DEALER AND/OR REFER TO ENGINE SHOP MANUAL FOR PROCEDURES

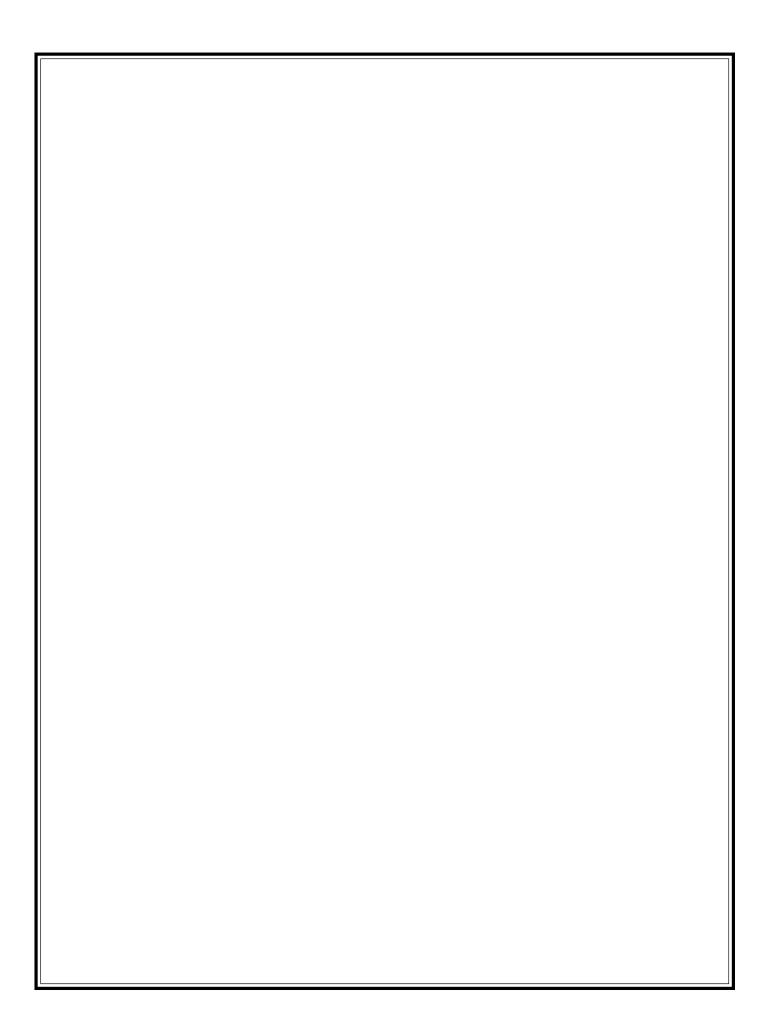
Service Record

Model No.	Serial No.						
Record Hours and Dates of Maintenance Below							
Engine Oil and Filter (100 hours)							
Air Cleaner (300 hours)							
Spark Plugs (100 hours)							
Valves (300 hours)							
Hydraulic Oil (800 hours)							
Hydraulic Filter (100 hours)							
Hydraulic Breather (100 hours)							
Battery (monthly)							
Grease Rear Tire Hub & Steering Column (weekly)							
Grease Front Wheel Hubs (yearly)							
Lubricate Cables, Sheave and Tilt Cylinder Pin (50 hours)							
Lubricate Lift Chain (weekly)							

MAINTENANCE

Troubleshooting

Problem	Cause	Remedy
Engine lacks power	Fuel line plugged	Clean or replace
	Dirty fuel filter	Clean or replace
	Air filter dirty	Clean or replace
	Worn cylinder & piston rings	Replace
	Too much oil in crankcase	Drain
Oil consumption	Worn valve guides	Clean or replace
	Worn cylinder & piston rings	Replace
	Too much oil in crankcase	Drain
	Loose bolts	Re-torque
Does not start	Out of fuel	Fill tank
	Weak or dead battery	Charge or replace
	Poor ground connection	Tighten/clean terminals
	Loose wire connection	Tighten
Lift Jockey will not move	Low hydraulic oil	Check level, add if required
forward or reverse	Faulty hydraulic pump	Replace pump if specified pressure not
		in range
	Faulty hydraulic drive	Replace drive motor is drive pressure
		is incorrect
Unit lacks power	Engine not properly warmed up	Idle approximately five (5) minutes to
		achieve operating temperature
	Low hydraulic oil level	Add fluid
	Plugged hydraulic filter/strainer	Replace
	Fuel restriction	Change filter
Forks will not extend up	Load over capacity	Remove partial load to capacity
	No cylinder pressure	Check pump pressure/valve
	Cylinder leaking	Replace or repair



Exploded Views with Parts

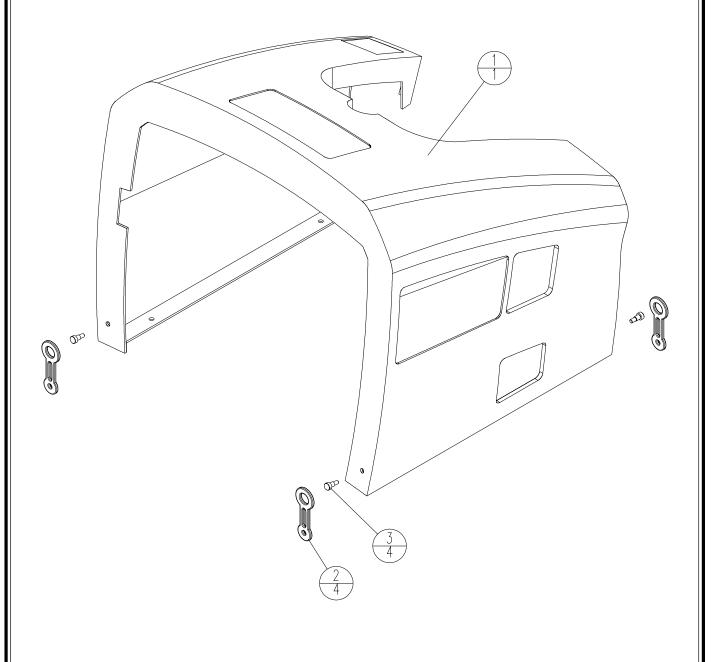
Tilt Cylinder & Front Cowl Assembly	40-41
Engine Cowl Assembly	42-43
Engine Assembly	44-45
Pump Assembly	46-47
Battery/Hose Clamp Assembly	48-49
Steering Housing Assembly	50-51
Hydraulic Tank Assembly	52-53
Steering Handle/Fuel Tank Assembly	54-55
Platform/Brake Pedal Assembly	56-57
Brake Linkage Assembly	58-59
Wheel Motor, Brake & Tire Assembly	60-61
Quick Change Hub Assembly	62-63
Hand and Foot Mast Control Assembly	64-65
Mast Assembly	66-69
Lift Frame Assembly	70-71
Hydraulic Piping Schematic	72-75
Hydraulic System Schematic	76-77
Electrical Wiring Schematic	78-79
Decal Identification/Location	80-83

PARTS LIST Tilt Cylinder & Front Cowl Assembly

Tilt Cylinder & Front Cowl Assembly

ITEM	PART NO.	DESCRIPTION	QTY
1	36928	PIN CLEVIS MAST	1
2	36929	PIN CLEVIS FRAME	1
3	37072	HITCH PIN 1/8 x 5/8	4
4	37290	WELD FRAME MAIN LJS2000	1
5	37323	BUSHING .625 OD X .500 ID X 1.5 LONG	2
6	37329-2	PLATE CLAMP HOOD	1
7	37330	CLVPN .500 OD. X 2.50 LG	2
8	37340	COWL FRONT	1
9	37342-2	WELD HINGE PLATE COWL	1
10	37365	CYLINDER HYD 2.00IN 2.95IN	1
11	37576-2	WELD ROD PROP	1
12	47182	LATCH COWL	2
13*	80087	HHCS M8-1.25 X 25 8.8 ZN	5
14	80118	WSHR WROT 1/2 ZN	2
15	80812	WSHRL M8 SPLIT ZN	5
16	80857	WSHR FLAT M8 X 16 ZN	5
17*	81130	SHSHB 10MM x 12 x M8 12.9 ZN	2
18	81172	PINHCH 5/16-3/8IN X 1-7/16IN ZN	2
19	81182	PSHNT 3/8IN ZN	1

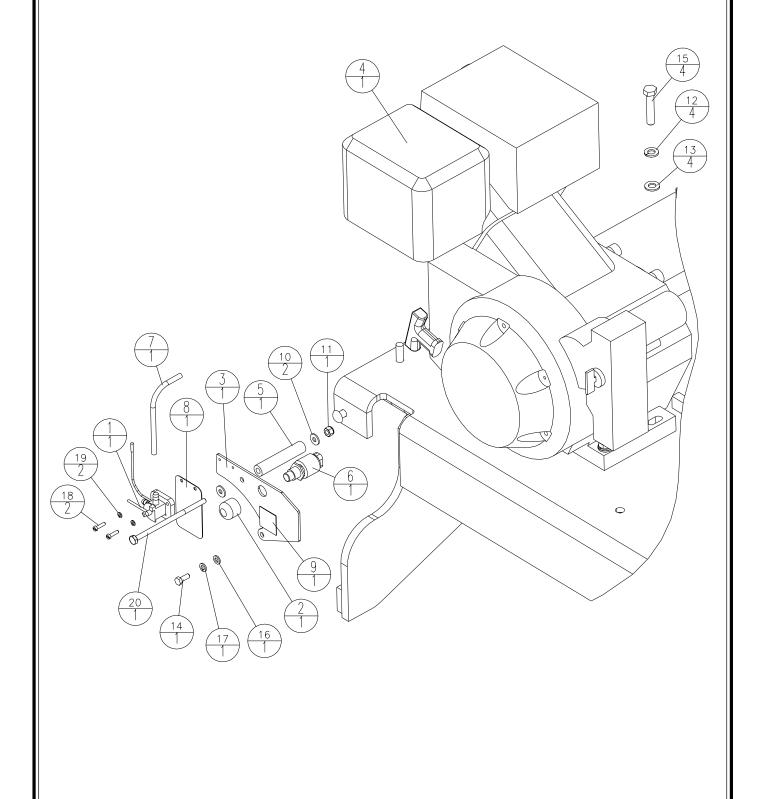
Engine Cowl Assembly



Engine Cowl Assembly

ITEM	PART NO.	DESCRIPTION	QTY
1	37596	KIT MOVER LJS2000 COWL ENGINE	1
2	47182	LATCH COWL	4
3*	81130	SHSHB 10MM x 12 x M8 12.9 ZN	4

Engine Assembly



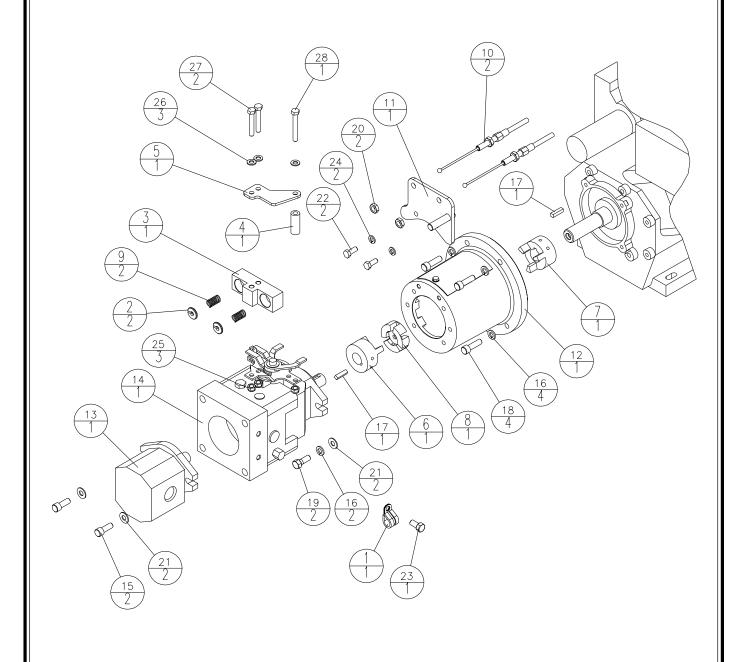
Engine Assembly

ITEM	PART NO.	DESCRIPTION	QTY
1	23130	VALVE/KILL SWITCH ASSEMBLY	1
2	37079	BUTTON SWITCH MOMENTARY	1
3	37509-2	PLATE SWITCH STOP FUEL	1
4	37515	KIT MOVER ENGINE 8HP HONDA	1
5	37517-2	SPACER PLATE SWITCH FUEL	1
6	39612	SWITCH MOMENTARY PUSH	1
7	45912	HOSE FUEL	1
8	55485	TAG SWITCH ENGINE	1
9	55486	TAG START	1
10	80571	WSHR 1/4 SAE ZN	2
11	80676	NUTNY 1/4-20 SS	1
12	80804	WSHRL M10 SPLIT ZN	4
13	80806	WSHR FLAT M10 X 20 ZN	4
14*	80836	HHCS M6-1 X 16 8.8 ZN	1
15*	80838	HHCS M10-1.5 X 50 8.8 ZN	4
16	80856	WSHR FLAT M6 X 12 ZN	1
17	80860	WSHRL M6 SPLIT ZN	1
18**	80926	CHSCS M47 X 16 4.8 ZN	2
19	80929	WSHRL M4 SPLIT ZN	2
20	81133	HHCS 1/4-20 X 5 GR5 ZN	1

^{*} LOCTITE 262

^{**} LOCTITE 242

Pump Assembly

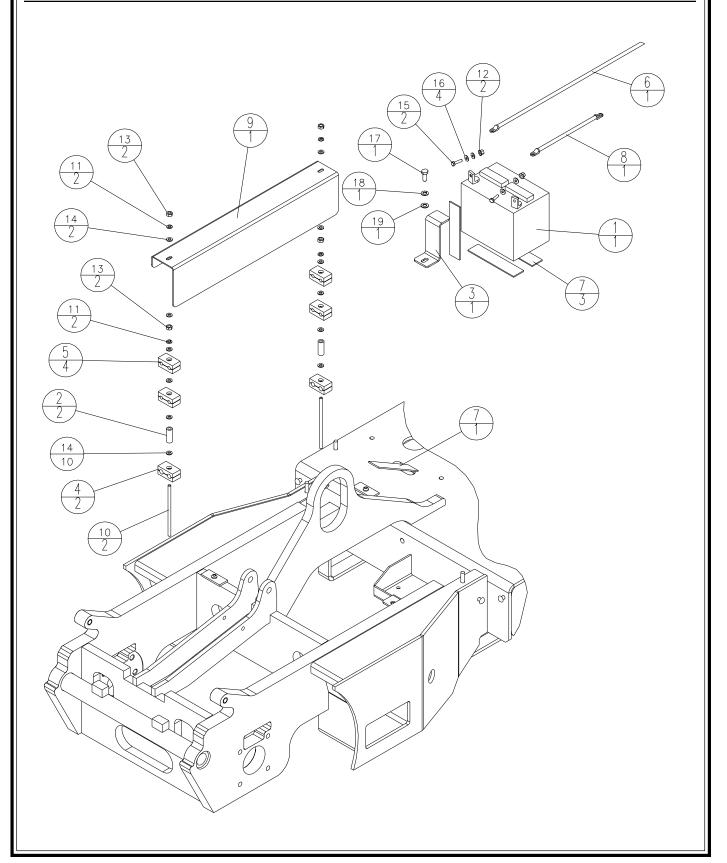


Pump Assembly

ITEM	PART NO.	DESCRIPTION	QTY
1	35448	CLAMP 5/8 RUBBER LOOP	1
2	37512-2	SPACER CABLE CLIP	2
3	37513	BRACKET PUMP CONTROL	1
4	37518-2	SPACER PLATE CONTROL	1
5	37519-2	PLATE SUPPORT CONTROL	1
6	37546	COUPLING PUMP	1
7	37547	COUPLING PUMP	1
8	37548	INSERT COUPLING PM90	1
9	37572	SPRING COMP.	2
10	37586	CABLE THROTTLE LJS2000	2
11	37590-2	WELD BRACKET CABLE PUMP	1
12	50113	ADAPTOR MOTOR/PUMP	1
13	50115	PUMP GEAR HYDRAULIC 6CC 2500PSI	1
14	50116	PUMP PISTON HYDRAULIC 16CC 2500PSI	1
15*	80047	SHCS 3/8-16 X 1 BLK	2
16	80058	WSHRL 3/8 MED SPLIT ZN	6
17	80100	KEY SQ 1/4 X 1 PLN	2
18*	80101	SHCS 3/8-16 X 1-1/4 BLK	4
19*	80102	HHCS 3/8-16 x 1 PLN	2
20	80243	NTFXJ 3/8-24 ZN	2
21	80342	WSHR SAE 3/8 ZN	4
22*	80406	HHCS M8-1.25 X 20 8.8 ZN	2
23*	80686	HHCS 3/8-16 X 3/4 GR8 ZN	1
24	80812	WSHRL M8 SPLIT ZN	2
25	80817	NUTNY M8-1.25 ZN	3
26	80857	WSHR FLAT M8 X 16 ZN	3
27	80883	HHCS M8-1.25 X 50 8.8 ZN	2
28	80944	HHCS M8-1.25 X60 8.8 ZN	1

* LOCTITE 262

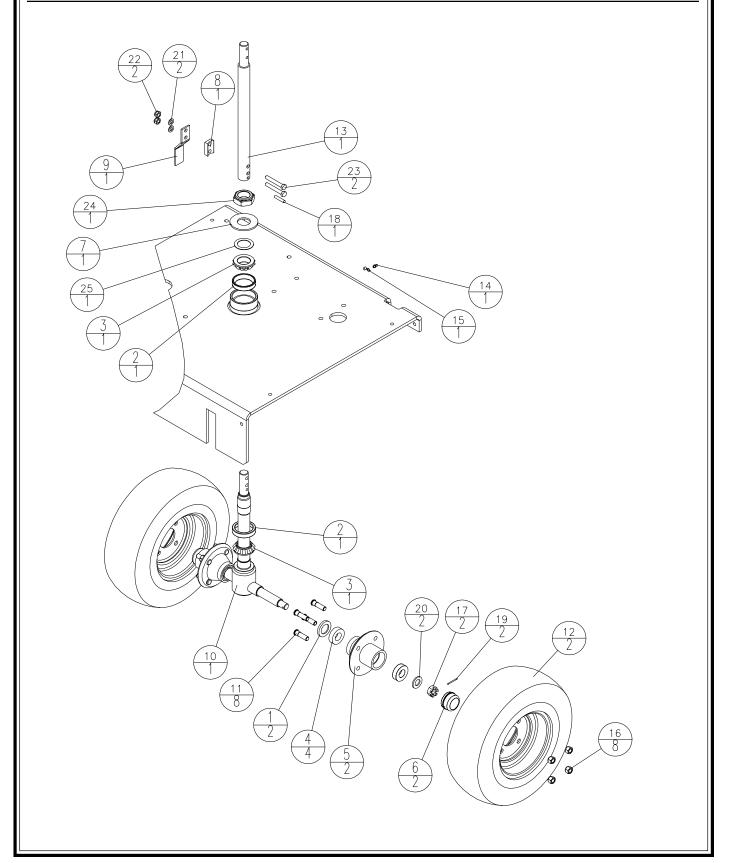
Battery/Hose Clamp Assembly



Battery/Hose Clamp Assembly

ITEM	PART NO.	DESCRIPTION	QTY
1	35321	BATTERY 12 MONTH 165 CCA	1
2	37518-2	SPACER PLATE CONTROL	2
3	37525-2	STRAP BATTERY	1
4	37529	CLAMP TWIN .500 IN TUBE	2
5	37530	CLAMP TWIN .375 IN TUBE	4
6	37821	CABLE BATTERY 10IN BLK	1
7	47244	RBR 60 DURO 1.5 X 6.75	4
8	48517	CABLE BATTERY 10IN BLK	1
9	50136-2	COVER TUBE HYDRAULIC	1
10*	50139	ROD CLAMP HOSE	2
11	80086	WSHRL 5/16 MED SPLIT ZN	4
12	80236	NUTKP 1/4-20 ZN	2
13	80245	NUTFX 5/16-18 ZN	4
14	80348	WSHR WROT 5/16 ZN	12
15	80354	HHCS 1/4-20 X 1 GR5 ZN	2
16	80571	WSHR 1/4 SAE ZN	4
17*	80618	HHCS M10 -1.25 X 25 8.8 ZN	1
18	80804	WSHRL M10 SPLIT ZN	1
19	80806	WSHR FLAT M10 X 20 ZN	1

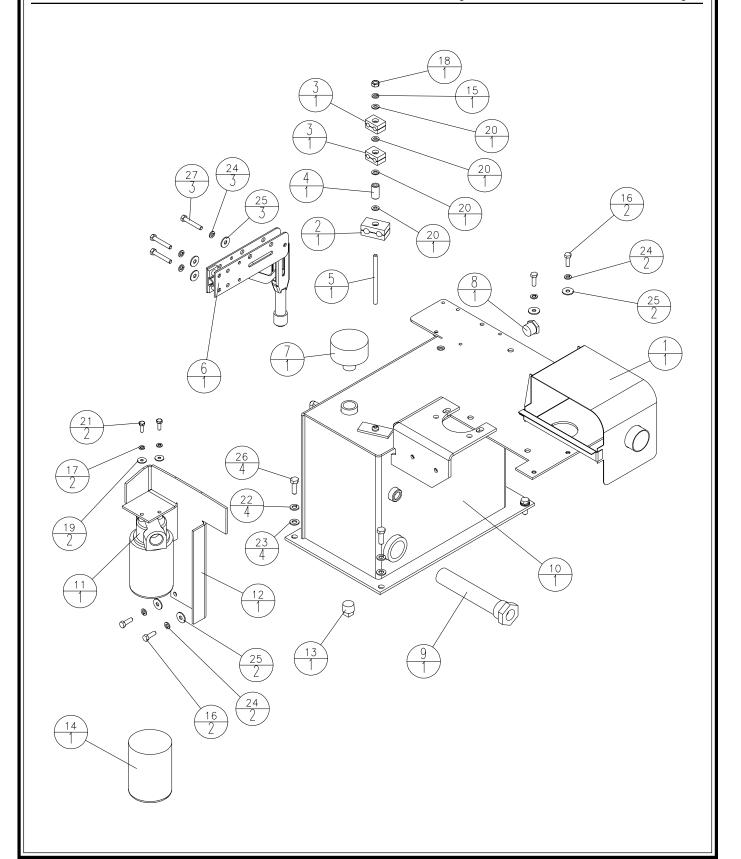
Steering Housing Assembly



Steering Housing Assembly

ITEM	PART NO.	DESCRIPTION	QTY
1	32052	SEAL WHEEL HUB	2
2	32160	CUP BEARING	2
3	32161	CONE BEARING	2
4	32233	BEARING RLR TAPER 1.000	4
5	34501	KIT HUB 4 BOLT	2
6	34573	DUST CAP	2
7	36934-2	PLATE COVER BEARING	1
8	37325-2	SPACER STOP STEERING	1
9	37348-2	BRACKET STOP STEERING	1
10	37358-2	WELD AXLE STEERING	1
11	39190	LUG STUD 1/2-20 x 1 7/32 LG	8
12	45176	WHEEL ASSEMBLY 480-8 W/FOAM	2
13	45259-2	WELD SHAFT STEERING	1
14	46042	FITTING GREASE 1/4-28 ZN	1
15	47001	CAP GREASE FITTING	1
16	80045	LUGNT 1/2-20 ZN	8
17	80054	NUT 3/4-16 ZN	2
18	80309	PINSP 5/16 X 1-1/2	1
19	80316	PINCT 1/8 X 1-1/2 ZN	2
20	80344	WSHR SAE 3/4 ZN	2
21	80806	WSHR FLAT M10 X 20 ZN	2
22	80833	NUTNY M10-1.5 ZN	2
23	80839	HHCS M10-1.5 X 70 8.8 ZN	2
24	81108	NUTNY 1 1/2-12	1
25	81109	THRUST WASHER 1 1/2	1

Hydraulic Tank Assembly

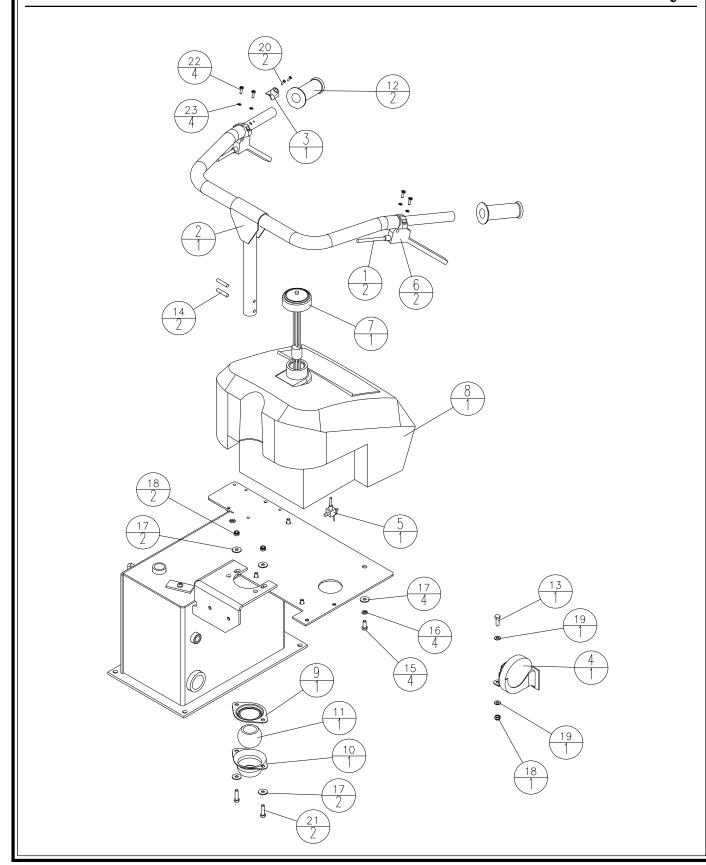


Hydraulic Tank Assembly

ITEM	PART NO.	DESCRIPTION	QTY
1	37356-2	WELD SHIELD HEAT	1
2	37529	CLAMP TWIN .500 IN TUBE	1
3	37530	CLAMP TWIN .375 IN TUBE	2
4	37549-2	SPACER CLAMP TUBE	1
5	37588	ROD CLAMP HOSE	1
6	38095	BRAKE_PARKING	1
7	38521	BREATHER/FILLER HYD	1
8	38534	SIGHT GLASS 3/4 NPT	1
9	39088	STRAINER 10 GPM	1
10	45114-2	WELD TANK HYDRAULIC	1
11	45150	FILTER RETURN 10-GPM 10 MICRON	1
12	45299-2	BRACKET FILTER OIL	1
13	46774	PLUG 3/4 NPT MAGNETIC SQ HD	1
14	47579	ELEMENT FILTER OIL PAPER 10 MICRON	1
15	80086	WSHRL 5/16 MED SPLIT ZN	1
16*	80087	HHCS M8-1.25 X 25 8.8 ZN	4
17	80116	WSHRL 1/4 MED SPLIT ZN	2
18	80245	NUTFX 5/16-18 ZN	1
19	80347	WSHR WROT 1/4 ZN	2
20	80348	WSHR WROT 5/16 ZN	4
21*	80434	HHCS 1/4-20 X 3/4 GR5 ZN	2
22	80804	WSHRL M10 SPLIT ZN	4
23	80806	WSHR FLAT M10 X 20 ZN	4
24	80812	WSHRL M8 SPLIT ZN	7
25	80813	WSHR FLAT M8 X 24 ZN	7
26*	80815	HHCS M10-1.5 X 30 8.8 ZN	4
27*	80883	HHCS M8-1.25 X 50 8.8 ZN	3

* LOCTITE 262

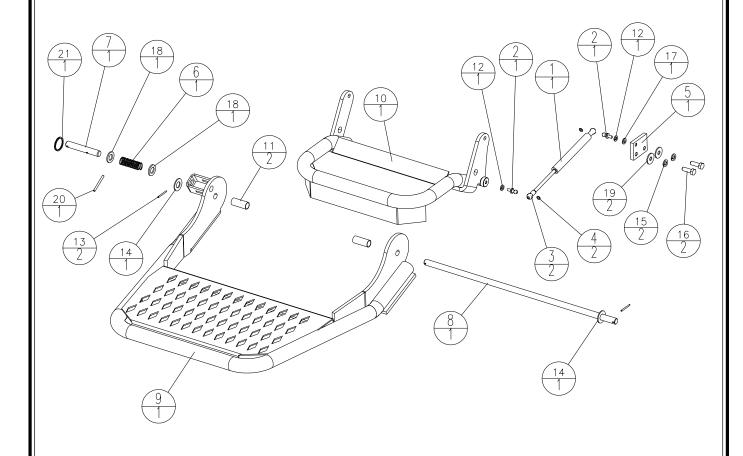
Steering Handle Bar/Fuel Tank Assembly



Steering Handle Bar/Fuel Tank Assembly

ITEM	PART NO.	DESCRIPTION	QTY
1	37586	CABLE THROTTLE LJS2000	2
2	37594-2	WELD HANDLE STEERING	1
3	37829	KIT MOVER LJS2000 HORN BUTTON	1
4	38667	HORN 12V 125 dB	1
5	39056	VALVE STRAINER	1
6	45104	CLUTCH LEVER ASSEMBLY	2
7	45263	GAUGE FUEL 12" DEEP	1
8	45924	TANK FUEL	1
9	45928	FLANGE CENTER 2 BOLT	1
10	45929	FLANGE SIDE 2 BOLT	1
11	45930	BEARING SPHERICAL 1-3/8	1
12	47125	HANDLE GRIP	2
13	80087	HHCS M8-1.25 X 25 8.8 ZN	1
14	80309	PINSP 5/16 X 1-1/2	2
15*	80406	HHCS M8-1.25 X 20 8.8 ZN	4
16	80812	WSHRL M8 SPLIT ZN	4
17	80813	WSHR FLAT M8 X 24 ZN	8
18	80817	NUTNY M8-1.25 ZN	3
19	80857	WSHR FLAT M8 X 16 ZN	2
20	80928	rivet pop #ad55h	2
21	80931	HHCS M8-1.25 X 30 8.8 ZN	2
22	81127	PHSMS M5-0.8 X 16 304 SST	4
23	81128	WSHRL M5 SPLIT SST	4

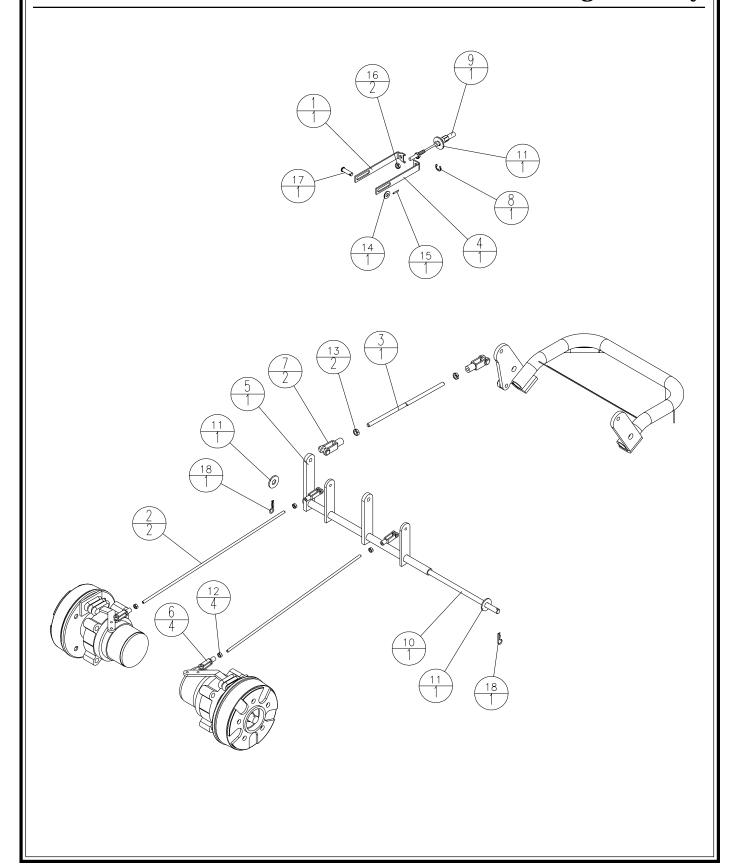
Platform/Brake Pedal Assembly



Platform/Brake Pedal Assembly

			_
ITEM	PART NO.	DESCRIPTION	QTY
1	36571	GAS SPRING 3.5 STROKE	1
2*	36572	STUD BALL 10MM 5/16-18 THRD	2
3	36580	CONNECTOR END, GAS SPRING	2
4	36581	GAS SPRING RETAINING CLIP	2
5	37497-2	PLATE PIVOT GAS SPRING	1
6	45055	SPRING COMP.	1
7	45056	PIN LOCKOUT STEP	1
8	45113-2	SHAFT PIVOT STEP	1
9	45211-2	WELD PLATFORM STEP	1
10	45216-2	WELD PEDAL BRAKE	1
11	45249-2	SPACER BRAKE	2
12	80086	WSHRL 5/16 MED SPLIT ZN	2
13	80316	PINCT 1/8 X 1-1/2 ZN	2
14	80355	WSHR SAE 5/8 ZN	2
15	80804	WSHRL M10 SPLIT ZN	2
16*	80815	HHCS M10-1.5 X 30 8.8 ZN	2
17	80857	WSHR FLAT M8 X 16 ZN	1
18	80858	WSHR FLAT M16 X 30 ZN	2
19	81042	WSHR FLAT M10 X 30 ZN	2
20	81122	PINSP 3/16 X 2.00 ZN	1
21	81124	RING SPLIT	1

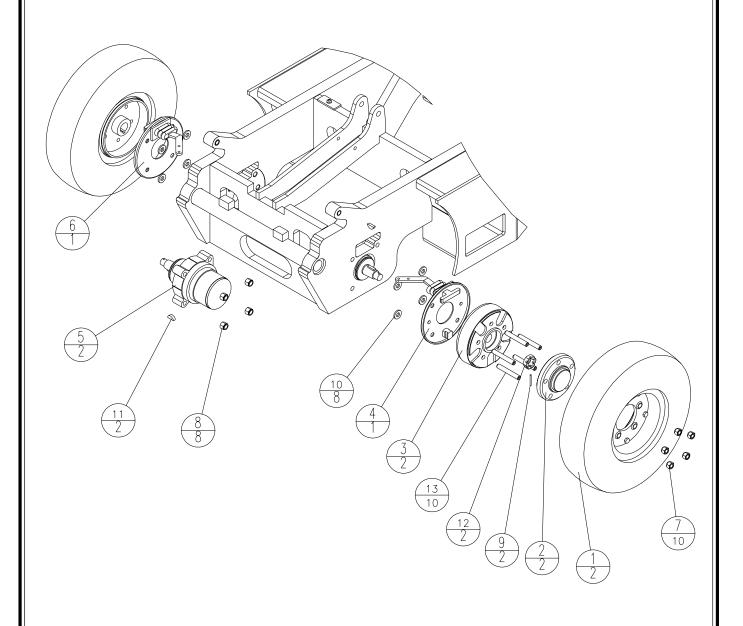
Brake Linkage Assembly



Brake Linkage Assembly

ITEM	PART NO.	DESCRIPTION	QTY
1	37324-2	BRACKET CABLE BRAKE	1
2	37347	ROD BRAKE FRONT	2
3	37450	ROD BRAKE SERVICE	1
4	37510-2	BRACKET CABLE BRAKE	1
5	37587-2	WELD LEVER BRAKE	1
6	38561	CLEVIS 1/4 DIA X 1/4-28	4
7	39255	YOKE END 3/8-24	2
8	45120	E CLIP	1
9	45199	CABLE, BRAKE	1
10	45231-2	SHAFT PIVOT LEVER BRAKE	1
11	80118	WSHR WROT 1/2 ZN	3
12	80237	NUTFX 1/4-28 ZN	4
13	80243	NTFXJ 3/8-24 ZN	2
14	80342	WSHR SAE 3/8 ZN	1
15	80424	PINCT 1/8 X 3/4 ZN	1
16	80501	NUT JAM 5/16-24 ZN	2
17	81110	CLEVIS PIN .375 X 1.25 LG SS	1
18	81172	PINHCH 5/16-3/8IN X 1-7/16IN ZN	2

Wheelmotor/Brake/Tire Assembly



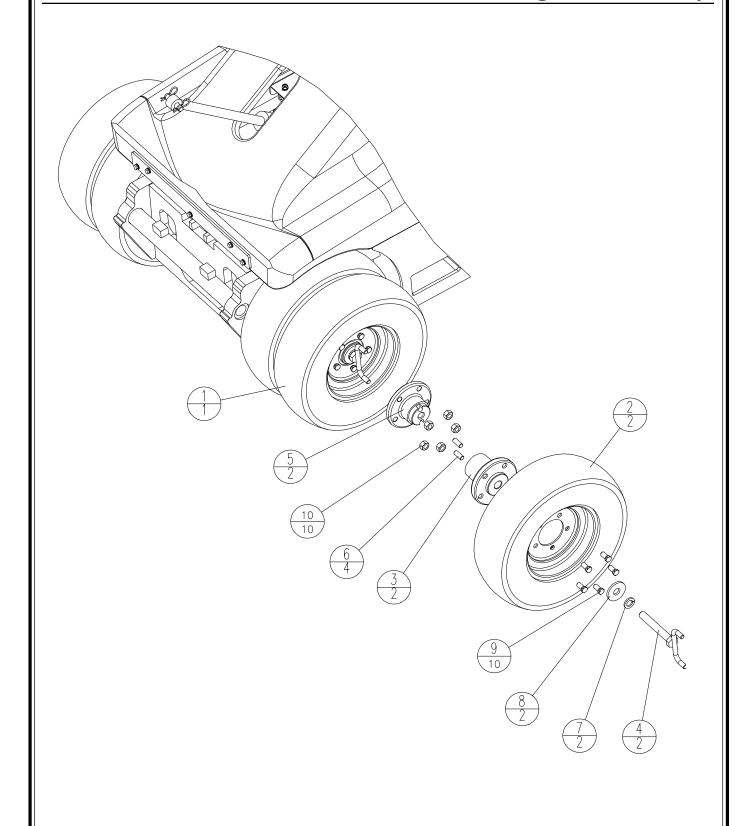
Wheelmotor/Brake/Tire Assembly

ITEM	PART NO.	DESCRIPTION	QTY
1	37361	WHEEL ASSEMBLY 5.00-8 FOAM	2
2	37368-2	SPACER WHEEL 5 BOLT	2
3	45144	BRAKE DRUM	2
4	45145	BRAKE ACTUATOR LEFT HAND	1
5	45148	MOTOR-GEAR ROTOR,15.9 CIR	2
6	45247	BRAKE ACTUATOR RIGHT HAND	1
7	80045	LUGNT 1/2-20 ZN	10
8*	80051	NUTNY 1/2-13 ZN	8
9	80316	PINCT 1/8 X 1-1/2 ZN	2
10	80891	WSHR FLAT M12 X 28 ZN	8
11	81125	KEY-WOODRUFF	2
12	81126	CASTLE NUT 1-20UNEF	2
13**	81184	SHSS 1/2-20 X 3-1/2IN GR8 BLK	10

^{*} LOCTITE 262

^{**} LOCTITE 680

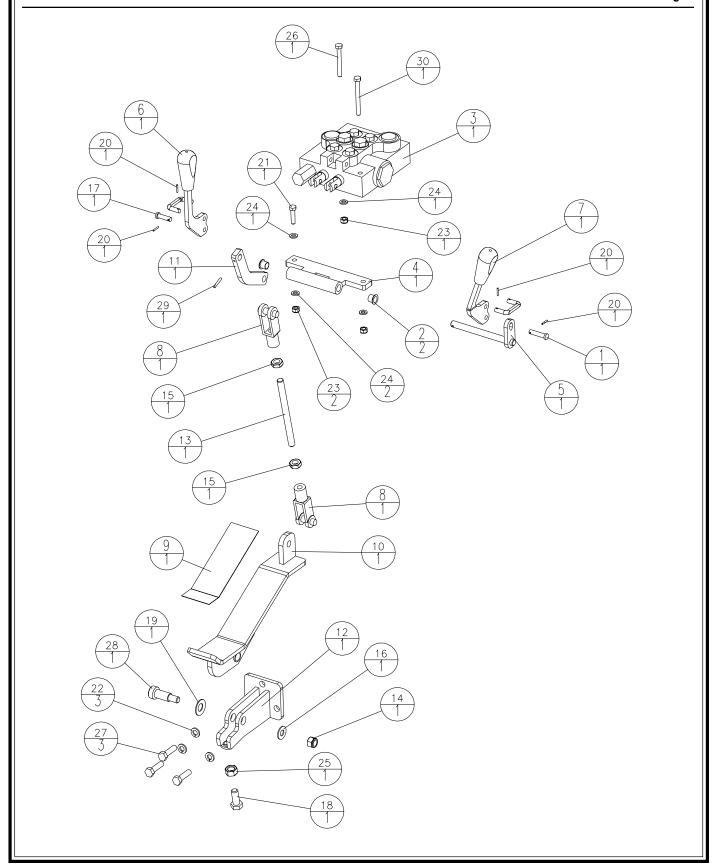
Quick Change Hub Assembly



Quick Change Hub Assembly

ITEM	PART NO.	DESCRIPTION	QTY
1	23570	KIT MOVER LJS2000 QUICK CHANGE HUB	1
2	37361	WHEEL ASSEMBLY 5.00-8 FOAM	2
3	45080-2	SPACER WHEEL MACHINE	2
4	45106-2	WELDMENT RELEASE QUICK	2
5	45242-2	HUB WHEEL MACHINE	2
6	80423	PINDL 1/2 x 1 1/4 LG	4
7	80871	WSHRL M20 SPLIT ZN	2
8	81014	WSHR FLAT M20 X 60 ZN	2
9	81114	BOLT LUG 1/2-20 X 1.25LG 60 DEG CONE	10
10	81115	NUTFX 1/2-20 ZN	10

Hand/Foot Mast Control Assembly



PARTS LIST Hand/Foot Mast Control Assembly

ITEM	PART NO.	DESCRIPTION	QTY
1	32465	PIN CLEVIS 1/4 X 1 SST	1
2	32466	BEARING NYLINER 3/8 ID	2
3	37364	VALVE HYD DIRECTIONAL CYLINDER 3000 PSI	1
4	37579-2	WELD GUIDE SHAFT	1
5	37581-2	WELD SHAFT VALVE CONTROL	1
6	37584	HANDLE VALVE LEFT	1
7	37585	HANDLE VALVE RIGHT	1
8	39255	YOKE END 3/8-24	2
9	45959	TREAD SKID	1
10	45963-2	WELD PEDAL DUMP	1
11	45968-2	ARM ACTUATOR	1
12	45973-2	WELD MOUNT PEDAL	1
13	45974	ROD DUMP	1
14	80056	NUTNY 3/8-16 ZN	1
15	80243	NTFXJ 3/8-24 ZN	2
16	80342	WSHR SAE 3/8 ZN	1
17	80404	CLVPN 1/4X7/8 ZN	1
18*	80618	HHCS M10 -1.25 X 25 8.8 ZN	1
19	80639	WSHRSP 1/2 ID BLK BELLEVIL	1
20	80787	PINCT 5/64 X 1/2 ZN	4
21	80811	HHCS M6-1 X 25 8.8 ZN	1
22	80812	WSHRL M8 SPLIT ZN	3
23	80851	NUTNY M6-1 ZN	3
24	80856	WSHR FLAT M6 X 12 ZN	4
25	80866	NUTFX M10-1.5 ZN	1
26	80881	HHCS M6-1 X 50 8.8 ZN	1
27*	80931	HHCS M8-1.25 X 30 8.8 ZN	3
28*	80957	SHSHB 1/2 X 1 BLK	1
29	81076	PINSP 1/8 X 3/4 SS	1
30	81111	HHCS M6-1 X 60 8.8 ZN	1

PARTS LIST Mast Assembly FAG 29 6 26 2 **O**OO | '°0000

Mast Assembly

ITEM	PART NO.	DESCRIPTION	QTY
1 #	32323	WASHER THRUST 3/4 BORE	6
2	36791-2	WELDMENT COLUMN INNER	1
3	36800-2	WELDMENT COLUMN OUTER 9'6"	1
4	36826	BEARING BALL 17MM X 40MM	4
5	36827	SHAFT ADJUSTING ROLLER	2
6	36829	ROLLER GUIDE	4
7	36869	ROLLER CHAIN	2
8	36870	PIN CYLINDER	1
9	36871-2	PLATE CYLINDER	1
10	36872-2	PLATE CYLINDER GUIDE	1
11	36873-2	BRACKET GUIDE CYLINDER	1
12	36874	PLATE GUIDE CYLINDER	1
13	36875	PIN ROLLER CHAIN	2
14	36876	BUSHING ROLLER PIN	4
15	36877	PIN CHAIN LINK	2
16	36879	ANCHOR CHAIN ADJUSTABLE	2
17	36901	CYLINDER MAST 9'6"	1
18*	80087	HHCS M8-1.25 X 25 8.8 ZN	4
19*	80711	SHCS M8-1.25 X 30 12.9 BLK	4
20	80787	PINCT 5/64 X 1/2 ZN	2
21	80804	WSHRL M10 SPLIT ZN	2
22	80806	WSHR FLAT M10 X 20 ZN	6
23	80812	WSHRL M8 SPLIT ZN	4
24	80815	HHCS M10-1.5 X 30 8.8 ZN	2
25	80833	NUTNY M10-1.5 ZN	2
26*	80840	HHCS M10-1.5 X 80 8.8 ZN	2
27	80857	WSHR FLAT M8 X 16 ZN	4
28	81057	HHCS M16-2 X 70 8.8 ZN	2
29	81103	PINSP 1/4 X 2 ZN	6
30	81104	NTFXJ 1-1/8 GR2 ZN	2
31	81105	NUTXJ M16-2 ZN	6

[~] NOT SHOWN

^{*} LOCTITE

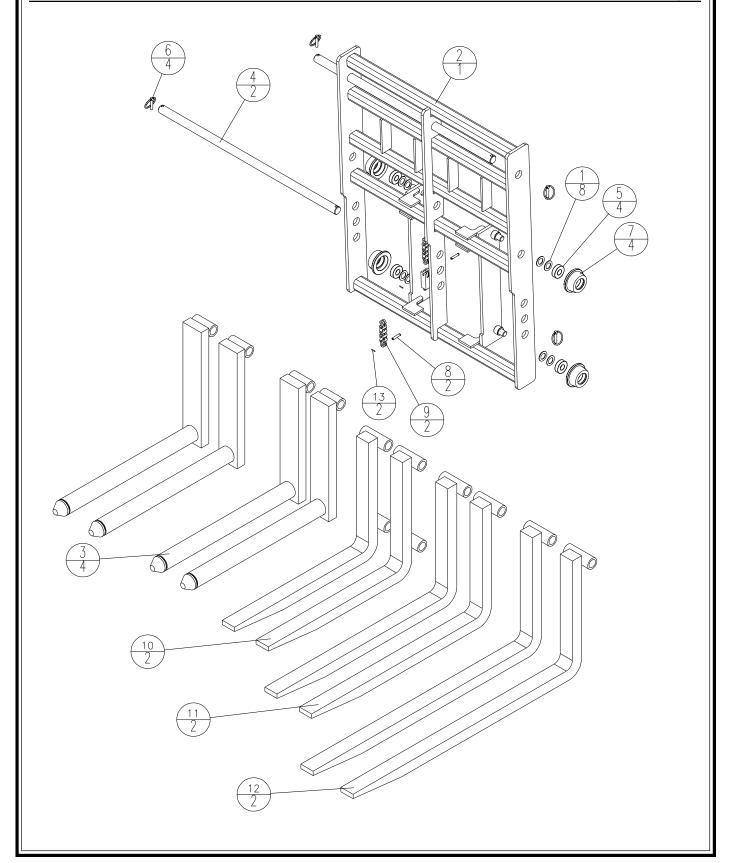
[#] AS REQUIRED

PARTS LIST Mast Assembly 30 6 **O**OO |

Mast Assembly

ITEM	PART NO.	DESCRIPTION	QTY
^	36882-2	WELDMENT COLUMN OUTER 8'6"	1
^	36885-2	WELDMENT COLUMN INNER 8'6"	1
^	36902	CYLINDER MAST 8'6"	1
^	36890-2	WELDMENT COLUMN OUTER 7'6"	1
^	36893-2	WELDMENT COLUMN INNER 7'6"	1
^	36903	CYLINDER MAST 7'6"	1
^	37127	CLAMP HOSE SADDLE	2
^	47572	CLAMP HOSE 3-3/4 IN. SIZE 52	2

Lift Frame Assembly



Lift Frame Assembly

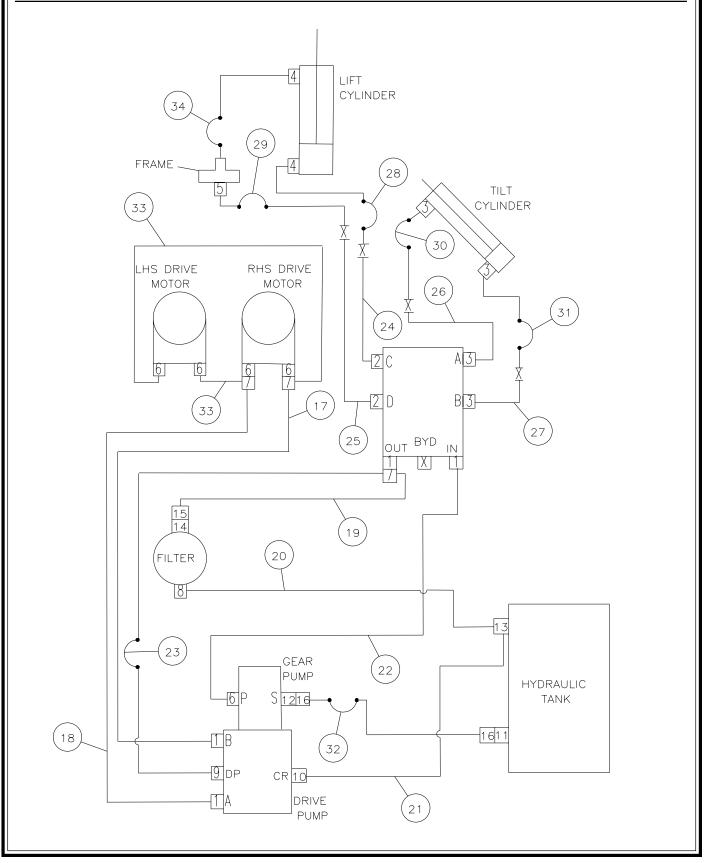
ITEM	PART NO.	DESCRIPTION	QTY
1#	32323	WASHER THRUST 3/4 BORE	8
2	36811-2	WELD FRAME LIFT	1
3	36819-2	WELDMENT FORK ROUND	4
4	36825	SHAFT FORK	2
5	36826	BEARING BALL 17MM X 40MM	4
6	36828	PIN LINCH 1/4 DIA	4
7	36829	ROLLER GUIDE	4
8	36877	PIN CHAIN LINK	2
9	36878	CHAIN LIFT 9'6" MAST	2
10	36955	FORK SQUARE PALLET 22"	2
11	36956	FORK SQUARE PALLET 28"	2
12	36957	FORK SQUARE PALLET 36"	2
13	80787	PINCT 5/64 X 1/2 ZN	2
^	36881	CHAIN LIFT 8'6" MAST	2
^	36889	CHAIN LIFT 7'6" MAST	2

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^{*} LOCTITE

[#] AS REQUIRED

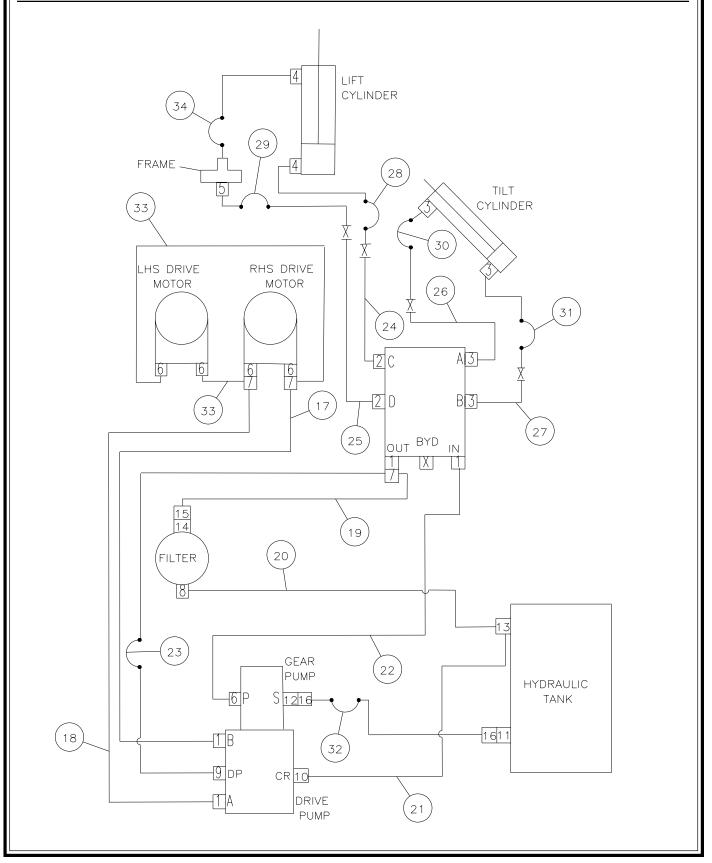
Hydraulic Piping Schematic



Hydraulic Piping Schematic

ITEM	PART NO.	DESCRIPTION	QTY	
1	46579	FTG HYD OFS ST 8 8		
2	46685	FTG HYD OFS 45 6 6	2	
3	45009	FTG HYD OFS 90 6 6	4	
4	46679	FTG HYD OFS ST 6 6	2	
5	45086	FTG HYD OFS BH 6 6	1	
6	46585	FTG HYD OFS ST 8 10	5	
7	46980	TEE RUN 1/2" THREAD STRAIGHT	3	
8	46617	FTG HYD OFS 90 8 12	1	
9	45008	FTG HYD OFS ST 6 4	1	
10	45082	FTG HYD OFS 90 8 6	1	
11	46929	FTG HB ST 3/4"	1	
12	46981	FTG HYD HB 45 3/4"	1	
13	45083	FTG HYD OFS T 8 8	1	
14	37526	FTG HYD OFS S 12 8	1	
15	37527	VALVE CHECK 30 PSI	1	
16	46691	CLAMP HOSE 3/4"	2	
17	37532	TUBE HYD .50 IN X .065 IN DRIVE		
18	37533	TUBE HYD .50 IN X .065 IN DRIVE		
19	37534	TUBE HYD .50 IN X .065 IN FILTER		
20	37535	TUBE HYD .50 IN X .065 IN RETURN		
21	37536	TUBE HYD .50 IN X .065 IN CASE		
22	37537	TUBE HYD .50 IN X .065 IN VALVE		
23	37538	HOSE HYD 6 EL JU 33.00 IN		
24	37539	TUBE HYD .38 IN X .049 IN LIFT CYL		
25	37540	TUBE HYD .38 IN X .049 IN LIFT CYL		
26	37541	TUBE HYD .38 IN X .049 IN TILT CYL		
27	37542	TUBE HYD .38 IN X .049 IN TILT CYL		
28	37824	HOSE HYD 6 ST ST 28.50 IN	1	

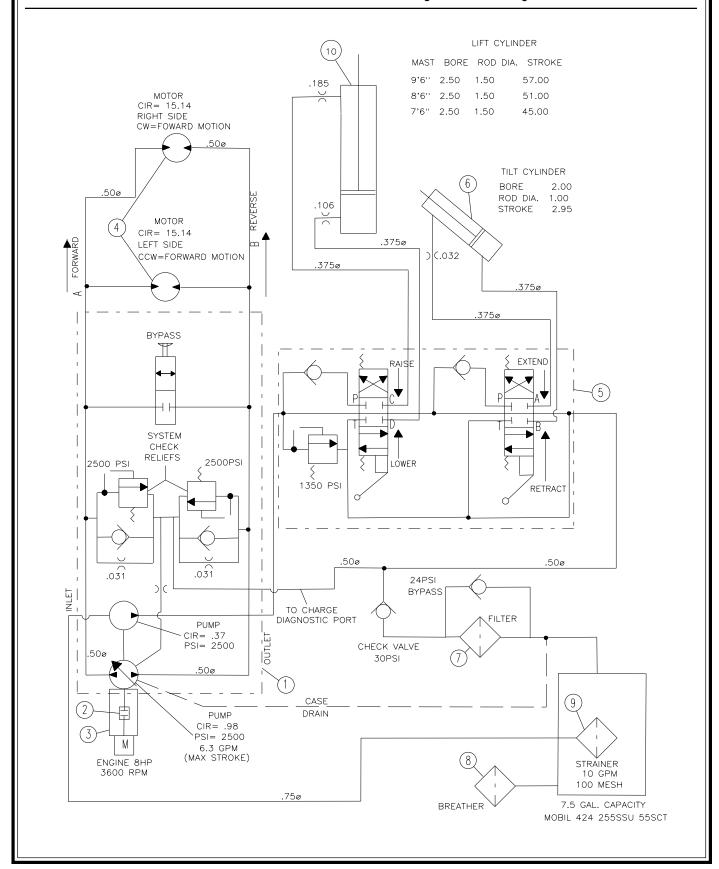
Hydraulic Piping Schematic



Hydraulic Piping Schematic

ITEM	PART NO.	DESCRIPTION			
29	37825	HOSE HYD 6 ST ST 24.50 IN			
30	37826	HOSE HYD 6 ST ST 20.00 IN	1		
31	37827	HOSE HYD 6 ST ST 27.00 IN			
32	37543	HOSE HYD 12 21.38 IN	1		
33	37823	TUBE HYD .50 IN X .065 IN MOTOR			
34	47562 47568 47567	HOSE HYD 6 EL ST 57.50 IN HOSE HYD EL ST 51.50 IN HOSE HYD 6 EL ST 45.50 IN			

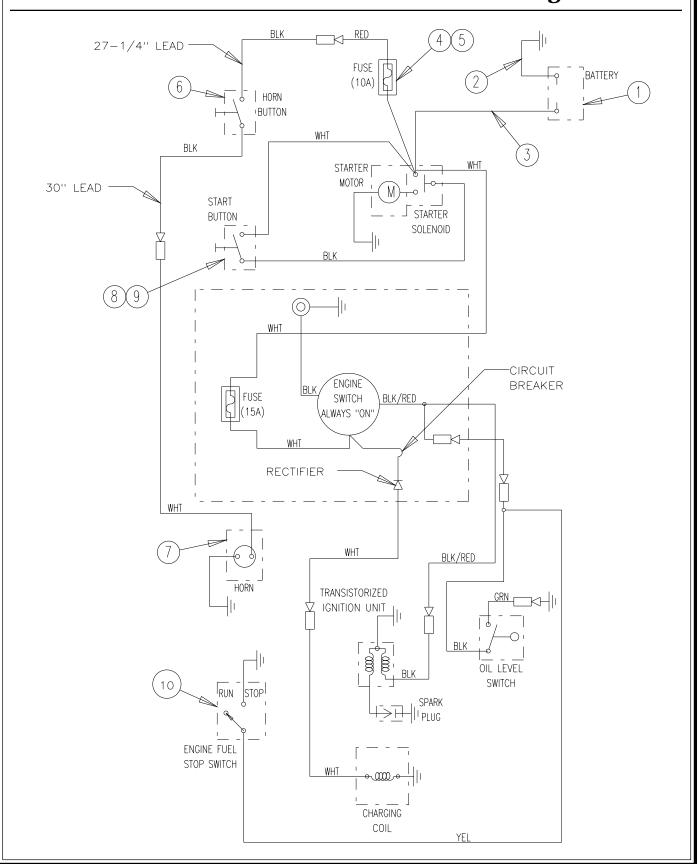
Hydraulic System Schematic



Hydraulic System Schematic

ITEM	PART NO.	DESCRIPTION		
1	37363	PUMP PISTON .98 GEAR .37 CIR 2500 PSI	1	
2	37546 37547 37548	COUPLING PUMP 7/8 IN. COUPLING ENGINE 1.00 IN. INSERT COUPLING PM90		
3	50113	ADAPTOR PUMP MOTOR	1	
4	45148	MOTOR HYDRAULIC GEAR ROTOR 15.14	2	
5	37364	VALVE HYD DIRECTIONAL CYLINDER 3000 PSI	1	
6	37365	CYLINDER HYD 2.00 IN. 2.95 IN. 2500 PSI		
7	45150	FILTER RETURN 10 GPM 10 MICRON		
8	38521	BREATHER / FILLER		
9	39088	STRAINER 10 GPM		
10	36901 36902 36903	CYLINDER MAST 9 FT. 6 IN. CYLINDER MAST 8 FT. 6 IN. CYLINDER MAST 7 FT. 6 IN.		

Electrical Wiring Schematic

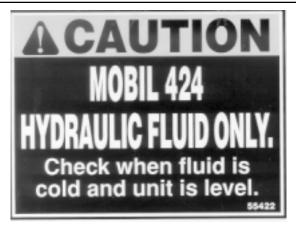


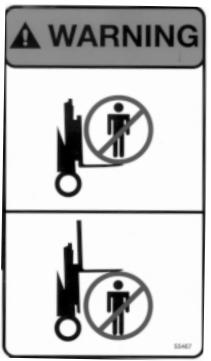
Electrical Wiring Schematic

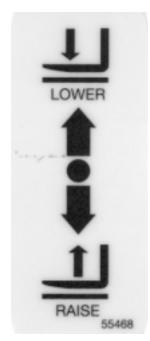
ITEM	PART NO.	DESCRIPTION	QTY	
1	35321	BATTERY 12 MONTH 165 CCA	1	
2	48517	CABLE BATTERY 10 IN. BLK	1	
3	37821	CABLE BATTERY 36 IN. RED	1	
4	37076	FUSE 10A	1	
5	37077	HOLDER FUSE IN-LINE	1	
6	37829	KIT MOVER LJS2000 HORN BUTTON	1	
7	38667	ASM HORN 12V	1	
8	37079	BUTTON SWITCH MOMENTARY BLACK		
9	39612	SWITCH MOMENTARY PUSH		
10	23130	VALVE/KILL SWITCH ASSEMBLY		
^	37598	HARNESS WIRE STARTER LJS2000		
^	37599	HARNESS WIRE HORN LJS2000		

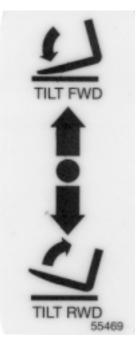
Decal Identification







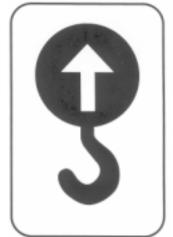






- Always follow the instructions in the operator manual.
- 2. Keep all guards and shields in place.
- 3 Wait for all movement to stop before servicing machine.
- 4 Keep hands, feet, and clothing away from power driven parts.
- Keep off of equipment unless seat or platform for operation and observation is provided.
- 6. Keep all others off of equipment.
- Make certain everyone is clear of machine before starting engine or operation.

LIFT HERE ONLY



55427

Decal Identification

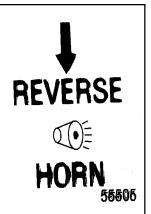
Item No.	Part No.	Part Description	Qty	Decal Location
1	55200	Decal Lift Here	4	At each Fork Loop Lift Point
2	55398	Decal Warning Hot Surfaces	1	Rear Frame at Muffler
3	55422	Decal Hydraulic Fluid Mobil 424	1	Hydraulic Tank
4	55427	Decal Lifting Point	2	Each Side of Lift Eye
5	55467	Decal Warning No Riders	1	Lift Cylinder Facing Forks
6	55468	Decal Control Lift	1	On Hood RHS Control Lever
7	55469	Decal Control Tilt	1	Hood LHS Control Lever
8	55471	Decal Caution Instruction LJ100	1	Hood Opposite Control levers
9	55472	Decal Warning Instruction LJ100	1	Hood Centered Above Handle
10	55473	Decal Warning Load Low Carry	1	Top Brace of Mast Facing Operator
11	55474	Decal Warning Hands Clear	1	Top of Lift Gate Facing Forks
12	55485	Tag Switch Stop Fuel	1	Front of Engine
13	55486	Decal Tag Start	1	Front of Engine
14	55504	Decal Instruction Forward	1	Left Hand Side Handle Bar
15	55505	Decal Instruction Reverse Horn	1	Right Hand Side Handle Bar
16	55506	Decal Instruction Lift Point Cover	1	Top of Engine Cowl

Decal Identification



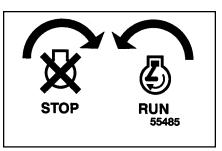
- Look out for pedestrians, other vehicles or obstructions.
- 2. Transport load only in lowered position.
- 3. Travel or tilt with caution when load is raised.
- 4. Do not exceed rated operating capacity.

55472



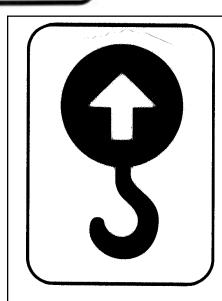








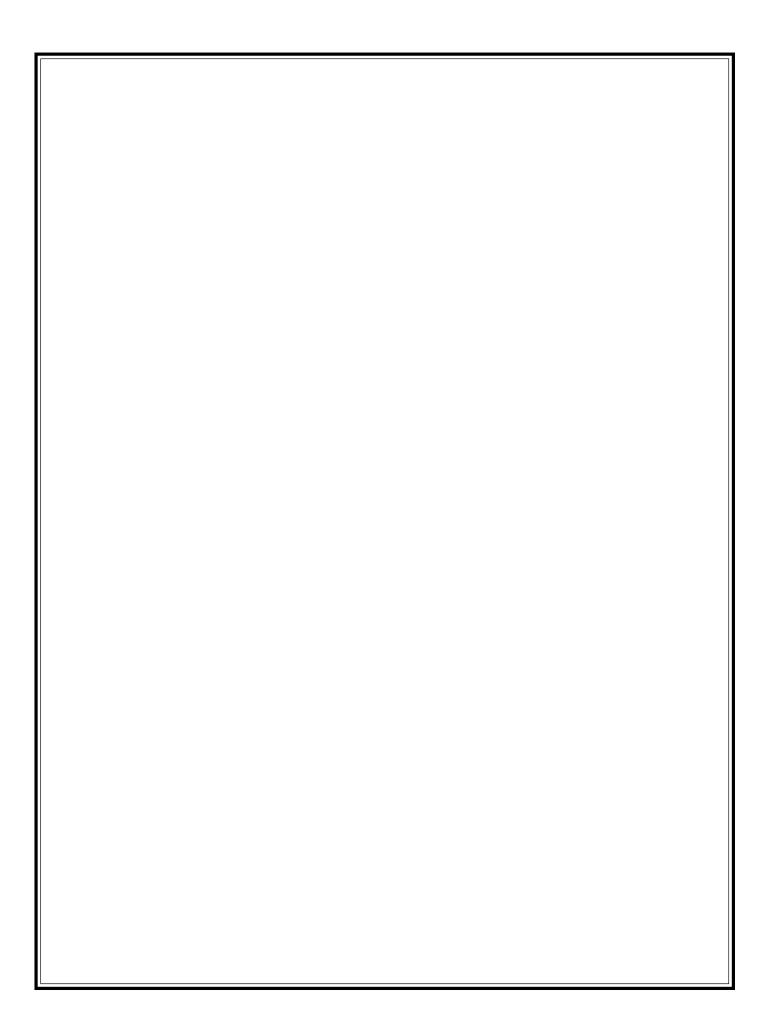


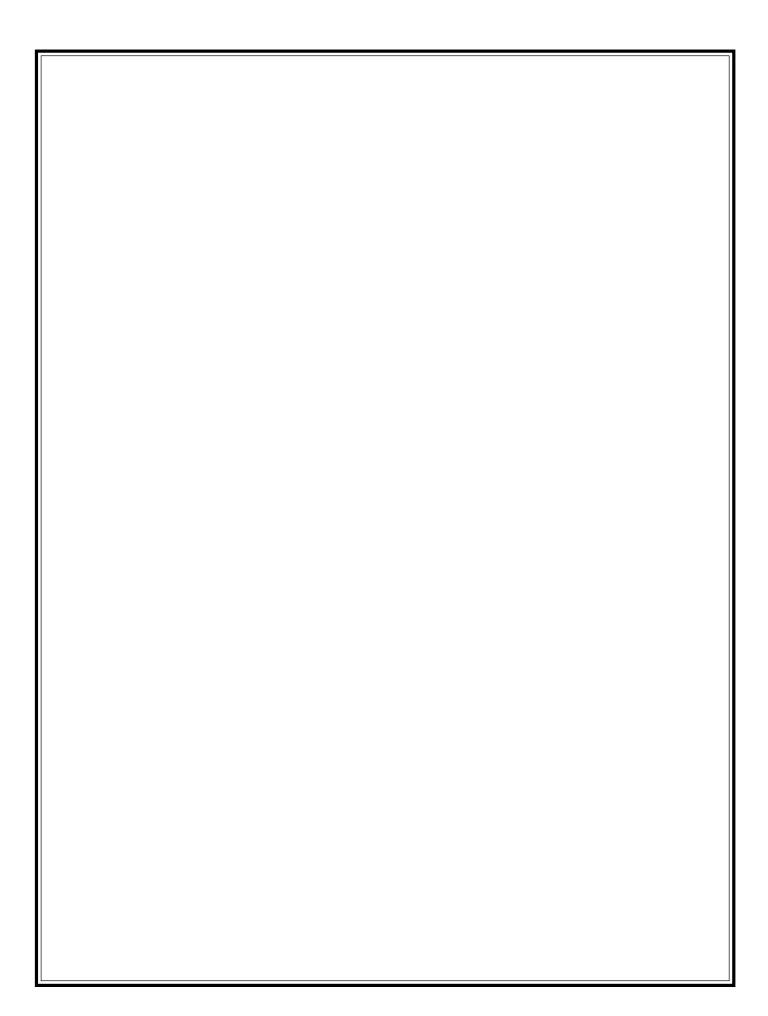


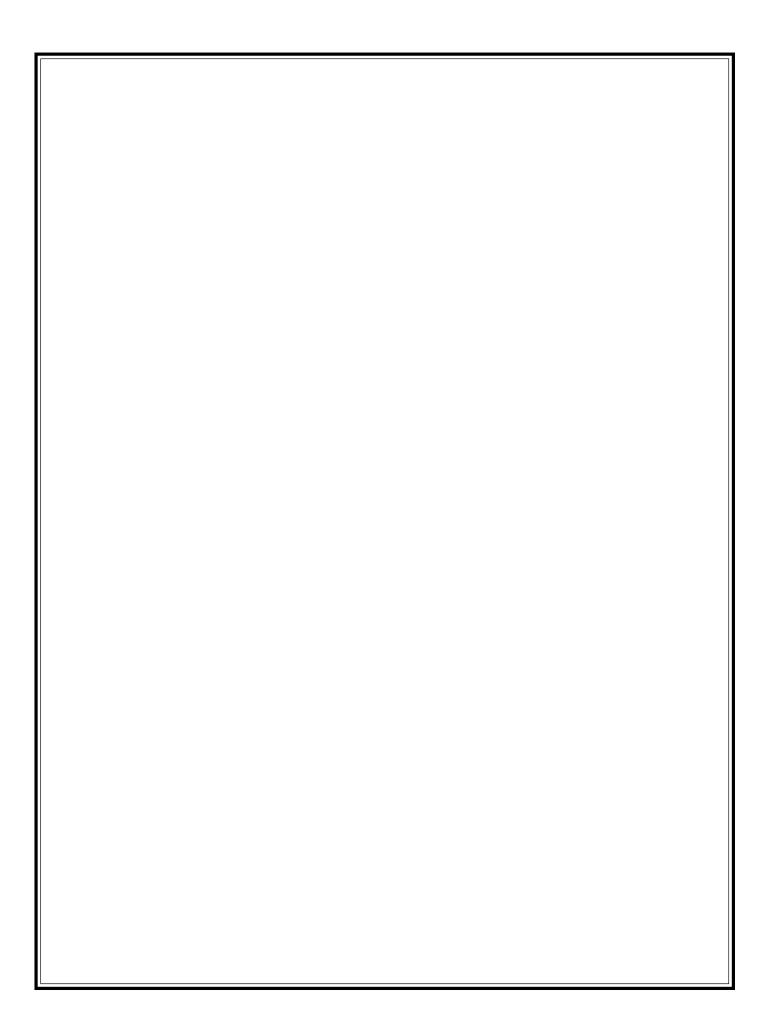
BELOW COVER

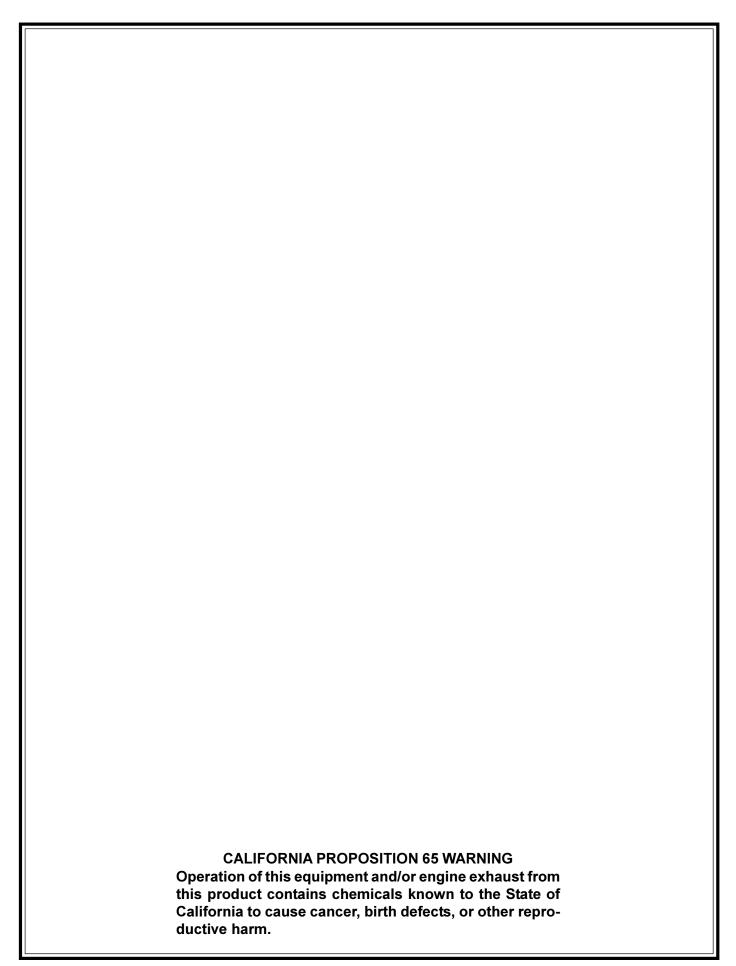
Decal Identification

Item No.	Part No.	Part Description	Qty	Decal Location
1	55200	Decal Lift Here	4	At each Fork Loop Lift Point
2	55398	Decal Warning Hot Surfaces	1	Rear Frame at Muffler
3	55422	Decal Hydraulic Fluid Mobil 424	1	Hydraulic Tank
4	55427	Decal Lifting Point	2	Each Side of Lift Eye
5	55467	Decal Warning No Riders	1	Lift Cylinder Facing Forks
6	55468	Decal Control Lift	1	On Hood RHS Control Lever
7	55469	Decal Control Tilt	1	Hood LHS Control Lever
8	55471	Decal Caution Instruction LJ100	1	Hood Opposite Control levers
9	55472	Decal Warning Instruction LJ100	1	Hood Centered Above Handle
10	55473	Decal Warning Load Low Carry	1	Top Brace of Mast Facing Operator
11	55474	Decal Warning Hands Clear	1	Top of Lift Gate Facing Forks
12	55485	Tag Switch Stop Fuel	1	Front of Engine
13	55486	Decal Tag Start	1	Front of Engine
14	55504	Decal Instruction Forward	1	Left Hand Side Handle Bar
15	55505	Decal Instruction Reverse Horn	1	Right Hand Side Handle Bar
16	55506	Decal Instruction Lift Point Cover	1	Top of Engine Cowl











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