5000 RIDE-ON SCRAPER SERVICE MANUAL

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Specifications

| | Product Specifications | | | | | | |
|------------------|------------------------|-----------------|--------------------------|----------------------------|-------|-------------------|--|
| Width | Length | Height | Weight (Machine Only) | Weight (Fully Weighted) | Power | Speed | |
| 24.5" (62 cm) | 63" (160 cm) | 48" (122 cm) | 1,656 lb (751 kg) | 2,101 lb (953 kg) | 4 HP | Up to 160 ft/min. | |

| Machine Variants | | | | | |
|-----------------------------|---------------|---------------------------|-------------|--|--|
| Region | Serial Number | Input Voltage / Frequency | Body Panels | | |
| Domestic (North America) | 5000-17XXXX | 120V / 60 Hz | Silver Vein | | |
| | 5000-11XXXX | 230V / 50 Hz | Silver Vein | | |
| International | 5000-15XXXX | 230V / 50 Hz | Orange | | |
| | 5000-20XXXX | 110V / 50 Hz | Silver Vein | | |

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GENERAL RULES FOR SAFE OPERATION

Before use, anyone operating or performing maintenance on this equipment must read and understand this manual, as well as any labels packaged with or attached to the machine and its components. Read the manual carefully to learn equipment applications and limitations, as well as potential hazards associated with this type of equipment. Keep manual near machine at all times. If your manual is lost or damaged, contact National Flooring Equipment (NFE) for a replacement.

Personal

Dress properly and use safety gear.

Do not wear loose clothing; it may be caught in moving parts. Anyone in the work area must wear safety goggles or glasses and hearing protection. Wear a dust mask for dusty operations. Hard hats, face shields, safety shoes, etc. should be worn when specified or necessary.

Maintain control; stay alert.

Keep proper footing and balance, and maintain a firm grip. Observe surroundings at all times. Do not use when tired, distracted, or under the influence of drugs, alcohol, or any medication that may cause decreased control.

Keep hands away from all moving parts and tooling.

Wear gloves when changing tooling. Remove tooling when machine is not in use and/or lower cutting head to the floor.

Do not force equipment.

Equipment will perform best at the rate for which it was designed. Excessive force only causes operator fatigue, increased wear, and reduced control.

Environment

Avoid use in dangerous environments.

Do not use in rain, damp or wet locations, or in the presence of explosive atmospheres (gaseous fumes, dust, or flammable materials). Remove materials or debris that may be ignited by sparks. Keep work area tidy and well-lit - a cluttered or dark work area may lead to accidents. Extreme heat or cold may affect performance.

Protect others in the work area and be aware of surroundings.

Provide barriers or shields as needed to protect others from debris and machine operation. Children and other bystanders should be kept at a safe distance from the work area to avoid distracting the operator and/or coming into contact with the machine. Operator should be aware of who is around them and their proximity. Support personnel should never stand next to, in front of, or behind the machine while the machine is running. Operator should look behind them before backing up.

Do not come within 3 ft. of the machine's perimeter during operation.

Guard against electric shock.

Ensure that machine is connected to a properly grounded outlet. Prevent bodily contact with grounded surfaces, e.g. pipes, radiators, ranges, and refrigerators. When scoring or making cuts, always check the work area for hidden wires or pipes.

Maintenance & Repairs

Begin maintenance work only when the machine is shut down, unplugged, and cooled down.

Use proper cleaning agents.

Ensure that all cleaning rags are fiber-free; do not use any aggressive cleaning products.

Schedule regular maintenance check-ups.

Ensure machine is properly cleaned and serviced. Remove all traces of oil, combustible fuel, or cleaning fluids from the machine and its connections and fittings. Retighten all loose fittings found during maintenance and repair work. Loose or damaged parts should be replaced immediately; use only NFE parts.

Do not weld or flame-cut on the machine during repairs, or make changes to machine without authorization from NFE.

Equipment

Use proper parts and accessories.

Only use NFE-approved or recommended parts and accessories. Using any that are not recommended may be hazardous.

Ensure accessories are properly installed and maintained.

Do not permanently remove a guard or other safety device when installing an accessory or attachment.

Inspect for damaged parts.

Check for misalignment, binding of moving parts, loose fasteners, improper mounting, broken parts, and any other conditions that may affect operation. If abnormal noise or vibration occurs, turn the machine off immediately. Do not use damaged equipment until repaired. Do not use if power switch does not turn machine on and off. For all repairs, insist on only identical NFE replacement parts.

Maintain equipment and labels.

Keep handles dry, clean, and free from oil and grease. Keep cutting edges sharp and clean. Follow instructions for lubricating and changing accessories. Motor and switches should be completely enclosed at all times with no exposed wiring. Inspect cord regularly. Labels carry important information; if unreadable or missing, contact NFE for a free replacement.

Avoid accidental starting; store idle equipment.

When not in use, ensure that the machine is unplugged and breaker is set to OFF. Store in a dry, secured place. Remove tooling when storing, and keep away from children.

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RIDE-ON SCRAPER SAFETY GUIDELINES

Scraping

Do not drive machine along hills or uneven surfaces.

The weight of the machine may become distributed differently if on an uneven surface. Too much of an angle could make the machine unsafe or cause it to tip over. Always keep the front of the machine facing downward while traveling up or down ramps or inclines. Do not run the machine in unsafe environments.

Inspect work area for potential hazards prior to operation.

Observe location of electrical supplies and extension cords. Do not allow cutting heads to come into contact with any electrical supply or extension cord.

Operator must be seated before starting machine and should stay seated until motor has stopped running.

This machine is equipped with a safety switch under the seat, which requires the operator to be seated before the machine can be operated. Do not attempt the start-up procedure without first

being seated on the machine.

Batteries and Chargers

Use caution; risk of explosive gases.

Batteries generate explosive gases during normal operation. Do not use near fuels, grain, dust, solvents, or other flammables; never smoke near the machine, battery, or charger.

Inspect battery and charger regularly.

Disconnect charger from wall outlet before operating. Machine should be off before connecting to a power source. Periodically inspect batteries, cables, charger, and all plug connections. Be extremely cautious when working with batteries. Do not open or tamper with batteries; doing so could cause electrical shock.



WARNING: BE CAUTIOUS WHEN WORKING WITH BATTERY. IF ELECTROLYTIC ACID GETS IN THE EYES, IMMEDIATELY FLUSH OUT WITH COLD, FRESH WATER FOR AT LEAST 10 MINUTES AND GET MEDICAL HELP.

Charger Operation

Ensure proper use of charger.

- Once connected and plugged into AC power, the LED will indicate whether or not it is charging. Refer to manufacturer's charger manual.
- Only use charger on branch circuits protected by a circuit breaker or fuse that can carry the power of the charger.
- Do not use charger if it shows signs of physical stress, or if DC output leads or connector feel hot when used.
- Do not disconnect DC output clamps or connector from batteries while charger is on. This could cause an explosion.
- Failure to unplug AC power before moving equipment will damage cords, plugs, and receptacles.
- Do not over-discharge batteries, this could cause batteries to fail. Re-charge as soon as possible after discharge; if they are warm, first allow them to cool.
- Charger is not water proof, only resistant, and cannot withstand immersion, continuous exposure, or heavy rain.
- A drive lockout option will disable the drive mechanism of the machine while the charger is plugged in.
- There is a built-in Low Voltage Interrupter that continuously monitors for low voltage and will sound when voltage falls. At 44V the alarm will sound; stop immediately and recharge. At 43.5V the machine will auto-disconnect and shut down; let machine sit until batteries recover enough to drive to outlet.
- Chargers are equipped with a grounding plug.

Note: Leaving the charger plugged in does not harm the battery and is preferred to leaving the battery in a state of discharge.



WARNING: ONLY USE BATTERY/CHARGER CONFIGURATIONS SPECIFICALLY APPROVED BY NFE. USE OF A DIFFERENT OR INCORRECT CONFIGURATION HAS A HIGH RISK OF LEADING TO FIRE, PREMATURE BATTERY FAILURE, DAMAGE TO MACHINE, AND/OR BODILY INJURY.



CAUTION: THE RETURN CAPACITY WHEN CHARGING THE BATTERY IS NOT 1-TO-1. ENSURE THAT BATTERY IS ALLOWED TO CHARGE FOR A GREATER PERIOD OF TIME THAN IT WAS USED (IF NOT COMPLETING A FULL CHARGE). FOR MAXIUMUM BATTERY LIFE, FULLY RECHARGE BATTERY (LED WILL APPEAR SOLID GREEN) AT LEAST TWICE PER WEEK. FAILURE TO DO SO MAY RESULT IN SHORTER RUNTIMES AND PREMATURE BATTERY FAILURE.



WARNING: GRINDING/CUTTING/DRILLING OF MASONRY, CONCRETE, METAL AND OTHER MATERIALS CAN GENERATE DUST, MISTS AND FUMES CONTAINING CHEMICALS KNOWN TO CAUSE SERIOUS FATAL INJURY OR ILLNESS, SUCH AS RESPIRATORY DISEASE, CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM. IF YOU ARE UNFAMILIAR WITH THE RISKS ASSOCIATED WITH THE PARTICULAR MATERIAL BEING CUT, REVIEW THE MATERIAL SAFETY DATA SHEET AND/OR CONSULT YOU EMPLOYER, THE MATERIAL MANUFACTURER/SUPPLIER, GOVERNMENTAL AGENCIES SUCH AS OSHA AND NIOSH AND OTHER AUTHORITIES ON HAZARDOUS MATERIALS. CALIFORNIA AND SOME OTHER AUTHORITIES, FOR INSTANCE, HAVE PUBLISHED LISTS OF SUBSTANCES KNOWN TO CAUSE CANCER, REPRODUCTIVE TOXICITY, OR OTHER HARMFUL EFFECTS. CONTROL DUST, MIST AND FUMES AT THE SOURCE WHERE POSSIBLE. IN THIS REGARD USE GOOD WORK PRACTICES AND FOLLOW THE RECOMMENDATIONS OF THE MANUFACTURER/SUPPLIER, OSHA/NIOSH, AND OCCUPATIONAL AND TRADE ASSOCIATIONS. WHEN THE HAZARDS FROM INHALATION OF DUST, MISTS AND FUMES CANNOT BE ELIMINATED, THE OPERATOR AND ANY BYSTANDERS SHOULD ALWAYS WEAR A RESPIRATOR APPROVED BY OSHA/MSHA FOR THE MATERIAL BEING CUT.

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HYDRAULIC SAFETY

Maintaining a Safe Work Environment

Establishing a safe work environment in and around your hydraulic equipment is extremely important. The easiest and most effective way to avoid problems is to make sure associates understand their equipment, know how to operate the machines safely, and recognize the dangers if handled carelessly. A few things to be aware of are:

- **Pressure:** Hydraulic fluid under pressure is dangerous and can cause serious injury. Never look for a leak when unit is under pressure. Using your hand could cause serious injury. A few common ways to encounter hydraulic fluid under pressure include:
 - Pinhole: Fluid under pressure can cause serious injury. It can be almost invisible escaping from a pinhole, and it can pierce the skin into the body.



DANGER: DO NOT TOUCH A PRESSURIZED HYDRAULIC HOSE ASSEMBLY WITH ANY PART OF THE BODY. IF FLUID PUNCTURES THE SKIN, EVEN IF NO PAIN IS FELT, A SERIOUS EMERGENCY EXISTS. OBTAIN MEDICAL ASSISTANCE IMMEDIATELY. FAILURE TO DO SO COULD RESULT IN LOSS OF THE INJURED BODY PART OR DEATH.

- Leak: Keep fittings and hoses tight. Only check and service when not under pressure. Leaking hydraulic fluid is hazardous; in addition
 to making workplace floors slippery and dangerous, it also contaminates the environment. Before cleaning an oil spill, always check
 EPA, state, and local regulations.
- Burst: Whether due to improper selection or damage, a ruptured hose can cause injury. If it bursts, a worker can be burned, cut, injected, or may slip and fall.
- Coupling Blow-Off: If the assembly is not properly made or installed, the coupling could come off and hit or spray a worker, possibly
 resulting in serious injury. Never operate machine without guards.
- Flammability: When ignited, some hydraulic fluids can cause fires and/or explode. With the exception of those comprised primarily of water, all hydraulic fluid is flammable (including many "fire-resistant" hydraulic fluids) when exposed to the proper conditions. Leaking pressurized hydraulic fluids may develop a mist or fine spray that can flash or explode upon contact with a source of ignition. These explosions can be very severe and could result in serious injury or death. Precautions should be taken to eliminate all ignition sources from contact with escaping fluids, sprays or mists resulting from hydraulic failures. Sources of ignition could be electrical discharges (sparks), open flames, extremely high temperatures, sparks caused by metal-to-metal contact, etc.



CAUTION: NEVER USE YOUR HANDS TO CHECK FOR LEAKS OVER HOSE OR HYDRAULIC CONNECTIONS. USE A PIECE OF CARD-BOARD TO LOCATE A PRESSURIZED LEAK. FOR LOW PRESSURE LEAKS (DRIPS), USE A RAG TO CLEAN THE AREA AND DETERMINE WHERE THE LEAK ORIGINATES.

- Mechanical: Hydraulic fluid creates movement, which means some equipment may move. Observe surroundings and equipment at all times.
- Moisture: Do not use in wet or high moisture conditions.
- **Electrical:** Faulty wiring can be an electrical hazard. A regular preventive maintenance program should always include a wiring check. If applicable, disconnect battery before serving.
- **Temperature:** Because this machine operates at a relatively low pressure, overheating is not common. If surface of tank becomes too hot to touch by hand (above 130°F or 55°C), shut off machine and allow it to cool.

Hydraulic Fluid

Only use Texaco Rando 46 Hydraulic Oil or compatible fluid like ISO or AW #46 from a brand name manufacturer. Non-compatible fluids could cause damage to unit or serious injury.

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Maintenance Schedule

| | | | | Interval | | |
|---|---|---------|----------|----------|--------------------------|--------------------------|
| Maintenance to be performed | | 200 hrs | 1000 hrs | 2000 hrs | After initial 100 hrs | After initial 500 hrs |
| Inspect extension cord for damage | • | | | | | |
| Check wheels, caster and wheel motors for build up; and clean | • | | | | | |
| Inspect all safety devices (e-stop, backup beeper, seat switch) | • | | | | | |
| Inspects for leaks (hoses and fittings) | • | | | | | |
| Blow out fan cover on the bottom of the motor after each job | • | | | | | |
| Grease front caster wheel | | | • | | | |
| Check hydraulic oil level | | • | | | • | |
| Replace the spin-on hydraulic oil filter | | • | | | • | |
| Change hydraulic fluid | | | • | | | • |

It is recommended to perform initial maintenance during the break-in period when first operating the machine. After the first 100 operating hours the hydraulic oil level should be checked and the spin-on hydraulic oil filter should be replaced, then every 200 hours thereafter. At the 500 operating hour mark the hydraulic fluid should be changed. Regular maintenance should be performed according to the schedule.



WARNING: THE BACK-UP BEEPER IS ON THE MACHINE FOR SAFETY. IT IS IMPORTANT TO KEEP IT IN GOOD WORKING CONDITION. FAILURE TO DO SO COULD CAUSE BODILY INJURY.

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Troubleshooting Guide

| Problem | Cause | Solution |
|--|--|---|
| Machine will not start. | Seat safety switch is disengaged. | Ensure operator is seated. |
| | Emergency stop (E-Stop) switch is disengaged. | Twist E-Stop into the "POWER ON" position. |
| | Circuit breaker is in the OFF position. | Verify circuit breaker is in "ON" position. |
| | 48 volt blue plugs are not connected. | Make sure that connection plugs are fully installed. |
| | Wire harness is disconnected. | Connect wire harness. |
| | Batteries are low. | Charge batteries. |
| Machine doesn't run as long as it used to. | Battery is not fully charging. | Verify that you are charging machine properly. |
| | | Verify that charger is working properly. Charger has a LED light to indicate. |
| | The 48 volt blue plugs are not connected. | Check that connection plugs are fully installed. |
| | Batteries no longer hold a charge. | Contact NFE customer service. |
| | Motor fan cover plugged with dust or debris. | Blow out fan cover after each job. |
| Machine is making rattling noises. | Loose hardware on machine. | Inspect and tighten bolts as needed. |
| Charger is hot. | Charger is in use. | This is normal. |
| Fluid is leaking from machine. | Hose connections/or fittings have loosened through normal use. | Tighten hydraulic hoses and fittings as needed. |
| | Pin hole in the hoses. | Replace affected hose. |
| | Oil and/or oil filter are old. | Replace oil and oil filter yearly on machine. |
| Tires/wheel motors make a slight clicking noise. | | Normal noise with proper operation. |
| Machine is jerky or jumpy. | New operator. | Additional time is required to become familiar with machine. |
| | Control levers are being moved too quickly. | Operate control levers with wrists resting on knees or arm rests. |
| Coupling leaks at thread or seat. | Missing or damaged O-rings. | Check for missing or damaged O-rings; replace if necessary. |
| | Damaged threads due to misalignment or improper seat angle. | Correct seat angle. Check for thread damage; replace if necessary. |
| | Over or under torquing. | Only hand tighten hardware. |
| Any issues not listed above. | | Please contact National to speak with a technician. |

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Maintenance



WARNING: ALWAYS DISCONNECT BATTERY BEFORE PERFORMING MAINTENANCE.

DUAL SLIDE PLATE REMOVAL



WARNING: ASSEMBLY IS VERY HEAVY. USE TEAM LIFT OR FORKLIFT TO LIFT. KEEP HANDS AND FEET OUT FROM UNDER THE ASSEMBLY. FAILURE TO DO SO COULD CAUSE SEVERE INJURY.

- 1. Lower the slide plate to the floor and place a wood block under the assembly.
- 2. Remove the front cylinder by taking the 1/2" bolt out of the bottom and removing the hitch clips and pin from the top of the cylinder.
- 3. Remove the E-clips from the pin at the bottom of the internal cylinder, then remove the pin.
- 4. Remove the pin from the top of the internal cylinder and then remove the cylinder from the machine.
- 5. Loosen the pinch bolt from the lower right side of the assembly.
- 6. Remove the lock nut from securing bolts at the top of the slide plate.
- 7. Remove the socket head screws at the top of the dual slide from both sides of the assembly.
- 8. Install 3/8-16x5" bolts into the holes the socket head screws were removed from. Once installed the bolts should be used as lifting handles.
- 9. Lift the assembly out of the machine.

LEAK MAINTENANCE

All fittings on this machine are O-ring style.

- 1. Disconnect machine from power.
- 2. If a leak is detected, tighten fitting with the proper wrench size. Do not over-tighten. Over-tightening could damage to O-rings.

CHECK HYDRAULIC OIL LEVEL

Check fluid level in the fill hole on the right side of the frame, in front of the rear wheel.

- 1. Remove filler plug. Oil should be visible 1" below hole.
- 2. Reinsert plug.

HYDRAULIC OIL CHANGE OUT

- 1. Disconnect machine from power (charger or battery).
- Drain fluid by removing the drain plug from side of tank. This unit contains 6 gallons (22.7 liters) of fluid. Ensure the container size is adequate to catch fluid.
- 3. Replace drain plug.
- 4. Remove filler plug.
- 5. Add oil into the fill hole. Total tank capacity is 6 gallons (22.7 liters). Due to a certain amount of retained oil, the oil change refill amount is 5.5 gallons (20.8 liters). NOTE: Adding more than this amount could cause the oil to overflow from the vent tube.

CHANGE HYDRAULIC CYLINDER

- 1. Disconnect machine from power.
- 2. Disconnect cylinder lines. Have a container ready to catch oil from lines.
- 3. Remove cylinder securing hexhead bolt from lower cutting head support.
- 4. Remove clips and pin from cylinder and slide plate.
- 5. Remove cylinder upper pin.
- 6. Remove cylinder.

CHANGE/REMOVE HOSE

- 1. Disconnect machine from power.
- 2. Using proper wrench size, remove hose from fitting.
- 3. When replacing, make sure O-ring is properly seated on hose fitting.

CHANGE PUMP

- 1. Undo strap and bolts. Unplug (3) electrical connectors for charger and light.
- 2. Remove both rear hood and front hood cover.
- 3. Disconnect hydraulic lines.
- 4. Remove two 5/16" pump securing bolts.
- 5. Remove pump by pulling pump straight out from pump motor.

CHANGE VALVE

- Disconnect machine from power (charger or battery).
- 2. Undo strap and bolts. Unplug (3) electrical connectors for charger and light.
- 3. Remove both rear hood and front hood cover.
- 4. Remove hoses from valve body. Have a container ready to catch leakage from lines.
- 5. Take notice of angle of valve fittings.
- 6. Remove three 5/16-18" bolts securing valve body.

CHANGE WHEEL MOTOR

- 1. Disconnect machine from power.
- 2. Block up machine to remove wheel.
- 3. Remove wheel.
- 4. Remove oil lines from wheel motor. A small amount of oil will run out of the lines. Drain into a container. Wipe up spills immediately.
- 5. Remove four 1/2" wheel motor securing nuts.
- Pull out on wheel motor to remove.

Maintenance



FIG. 1

CHANGE REAR WHEEL (FIG. 1)

- Jack machine up by pushing the cylinder lift forward to lower and adjust the angle
 of the cutting head to raise machine.
- Place blocks under forklift cups on the side of the machine that wheel is being changed.
- Let cylinder down resting machine on blocks allowing rear wheel to be lifted off the floor.
- 4. Remove five 1/2" lug nuts with an extended arm wrench, remove wheel.
- 5. Replace wheel.
- 6. Replace five lug nuts and tighten, making sure lug nuts are very tight.
- 7. Raise cylinder to raise machine off of blocks. Remove blocks and lower machine.
- 8. Repeat to other side if necessary.caster wheel maintenance

CHANGE CASTER

Keep clean and free of debris; ensure it can move freely.

- Give a shot of grease in grease fitting on caster every month to keep caster moving freely.
- To remove caster, machine will need to be raised. Push the cylinder lift lever forward to lower and adjust the angle of the cutting head to jack up the machine.

 Block up machine with wooden block. Remove four bolts, pull caster off and clean/replace as needed.
- 3. Replace caster.
- 4. Pull caster toward rear of machine; re-place and tighten the four bolts.
- 5. Lower the machine.

CHANGE MOTOR

- 1. Disconnect motor from power.
- 2. Undo strap and bolts. Unplug (3) electrical connectors for charger and light.
- 3. Remove both rear hood and front hood cover.
- 4. Remove pump.
- 5. Loosen screws and nuts.
- 6. Raise motor; disconnect electrical connections.
- 7. Remove and replace motor.
- 8. Reverse steps for installation.

SEAT REPLACEMENT

- 1. Undo strap and bolts. Unplug (3) electrical connectors for charger and light.
- 2. Remove both rear hood and front hood cover.
- 3. Remove four nuts securing seat rails. Replace seat; screw on nuts.

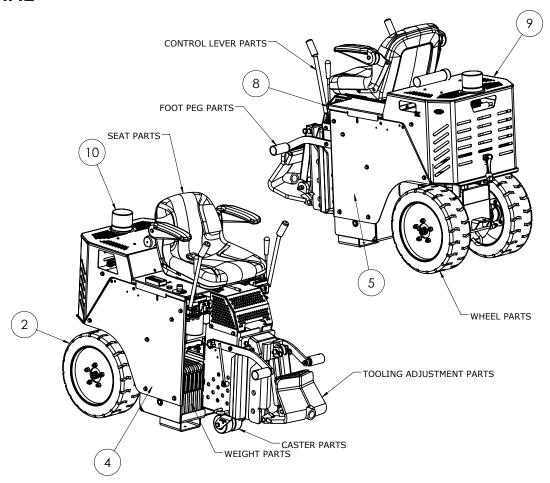
REMOVE/REPLACE FOOT PEG

- 1. Insert a socket wrench into foot peg and secure bolt head.
- 2. Remove nut.
- 3. Remove bolt and foot peg.
- 4. Replace foot peg before operating machine. Do not operate machine without foot pegs.

CLEAN WHEEL MOTOR BUILD-UP

- 1. Inspect the wheel motor and wheel motor hub for debris build-up (best accessed from back of machine). Remove any strands of carpet and use compressed air (not high pressure) to clean out dust or glue build-up. If any build-up cannot be removed this way, complete the following steps to remove the wheel hub.
- 2. Raise the front of the machine up by lowering the front cutting head down all the way, or by using 2 ton jack. Place blocks under the fork lift cup.
- 3. Slowly raise the cutting head until the machine is resting on the blocks and the wheel on the side that is blocked up is raised off the ground.
- 4. Remove the cotter pin and loosen the center wheel hub nut.
- 5. To loosen the wheel from the wheel motor shaft you might need to hit the steel rim from the inside with a rubber mallet.
- 6. Remove the wheel and remove the build up off of the wheel motor shaft.
- 7. Re-mount the wheel hub, making sure that the keyway matches on the motor shaft. Tighten down the wheel hub nut to press fit in the wheel hub.
- 8. Re-insert the cotter pin.
- 9. Lower the cutting head to raise the machine back off the blocks.
- 10. Repeat the process for the opposite side if needed.

EXTERNAL

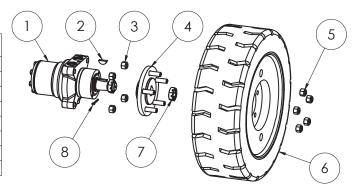


| ITEM NO. | 5000-17XXXX | 5000-11XXXX 5000-20XXXX | 5000-15XXXX | DESCRIPTION | QTY. |
|-------------|--------------|----------------------------|-------------|--|------|
| 1* | 400177 | 400177 | 400177 | Oil (Bulk) | 6 |
| 2 | 5110-405 | 5110-405 | 5110-405 | Wheel, Rim & Tire 18" | 2 |
| 3* | 5200QL-27 | 5200QL-27 | 5200QL-27 | Base, Main | 1 |
| 4 | 5200QL-25-SV | 5200QL-25-SV | | Panel, Right, Silver Vein | 1 |
| 4 | | | 5200QL-25-O | Panel, Right, Orange | |
| 5 | 5200QL-26-SV | 5200QL-26-SV | | Panel, Left, Silver Vein | 1 |
| 5 | | | 5200QL-26-O | Panel, Left, Orange | |
| 6* | 2900-101 | 2900-101 | 2900-101 | Hold Down, Rear | 1 |
| 7* | 403198 | 403198 | 403198 | Assembly, Box, Electrical, 2900 | 1 |
| 8 | 402995-SV | 402995-SV | | Hood, Front, Raised w/ Doghouse, Silver Vein | |
| 0 | | | 402995-O | Hood, Raised, Front w/ Doghouse, Orange | |
| 9 | 402996-SV | 402996-SV | | Hood, Rear, Vented, Silver Vein | 1 |
| 9 | | | 402996-O | Hood, Rear, Vented, Orange | |
| 10 | | 70629 | 70629 | Light, Flashing | 1 |

*NOT SHOWN

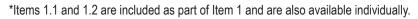
REAR WHEEL ASSEMBLY

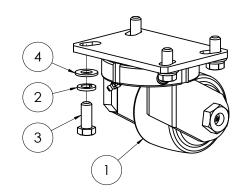
| ITEM NO. | PART NUMBER | DESCRIPTION | QTY. |
|-------------|-------------|-------------------------------|------|
| 1 | 400133 | Motor, Wheel, Hydraulic, 10mm | 1 |
| 2 | 73047 | Key, Woodruff 5/16 x 1 | 1 |
| 3 | 73402 | Nut, Nylock 1/2-13 | 4 |
| 4 | 5110-117 | Wheel, Hub | 1 |
| 5 | 73430 | Nut, NyLock 1/2-20 | 5 |
| 6 | 5110-405 | Wheel, Rim and Tire, 18" | 1 |
| 7 | 5110-117-2 | Hub Nut | 1 |
| 8 | 401433 | Pin, Cotter 1/8 x 1.75 | 1 |



CASTER WHEEL ASSEMBLY

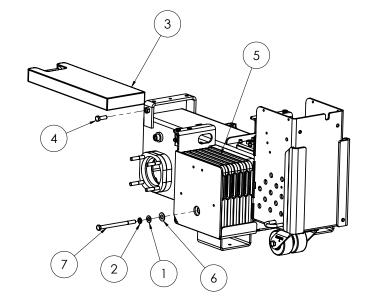
| Item No. | Part No. | Description | Qty. |
|----------|----------|---|------|
| 1 | 402280 | Caster Assy, Kingpinless, 4", Plate-Mount | 1 |
| 1.1* | 403352 | Wheel, 4"OD x 2-1/2"W (Wheel Only) | 1 |
| 1.2* | 403353 | Axle, Including Nut | 1 |
| 2 | 73403 | Washer, Lock, 1/2 | 4 |
| 3 | 73406 | Screw, Hex Head Cap, 1/2-13x1-1/4 | 4 |
| 4 | 73424 | Washer, Flat, Zinc SAE 1/2 | 4 |





WEIGHTS

| ITEM NO. | PART NUMBER | DESCRIPTION | QTY. |
|----------|-------------|-------------------------------------|------|
| 1 | 73424 | Washer, Flat, Zinc SAE 1/2 | 6 |
| 2 | 73403 | Washer, Split lock 1/2 | 6 |
| 3 | 5110-404 | Bottom Weight | 1 |
| 4 | 73427 | Bolt, Hex Head Cap 1/2- 13x1-1/2 | 1 |
| 5 | 74854 | Weight, Pocket, Cast, Ride On | 10 |
| 6 | 73531 | Washer, Flat Zinc, SAE 5/8 | 2 |
| 7 | 73414 | Bolt, HHCS, 1/2-13x7 | 2 |



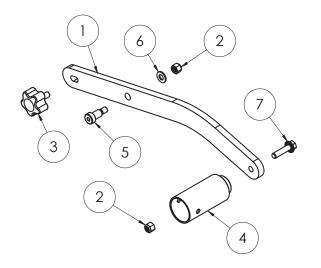
SEAT ASSEMBLY

| | PART# | DESCRIPTION | QTY |
|---|----------|--------------------------------------|-------|
| 1 | 5110-111 | SEAT, RIDE-ON | 1 |
| 2 | 400321 | ARM RESTS, KIT FOR SEAT | 1 |
| 3 | 402969 | BOLT, TRILOBULAR, 5/16-18 X 1.25, FL | ANGED |
| | | HEX HEAD (NOT SHOWN) | 4 |
| 4 | 5110-207 | SWITCH, SEAT | 1 |
| 5 | 403137 | HARNESS, SEAT, 2900 (NOT SHOWN) | 1 |



FOOT PEGS

| ITEM NO. | PART NUMBER | DESCRIPTION | QTY. |
|-------------|-------------|------------------------------------|------|
| 1 | 402298 | Bracket, Pivot, Footrest | 1 |
| 2 | 73207 | NUT, NYLOCK, 3/8-16 | 2 |
| 3 | 401999 | Knob, Adjustable, 3/4" | 1 |
| 4 | 5110-180 | Peg, Foot | 1 |
| 5 | 402460 | Bolt, Shoulder, .500 x .75, 3/8-16 | 1 |
| 6 | 73263 | WASHER, FLAT SAE ZINC 3/8 | 1 |
| 7 | 73238 | Bolt, Flange 3/8-16x1-1/2 | 1 |



INSTRUCTION TUBE

| | PART# | DESCRIPTION | QTY |
|---|-------|--------------------------|-----|
| 1 | 70602 | TUBE, INSTRUCTION MANUAL | 1 |
| 2 | 70603 | CAP, INSTRUCTION TUBE | 1 |
| 3 | 74425 | NUT. KEPS LOCK 10-32 | 2 |



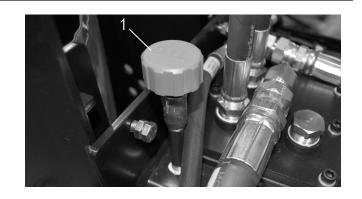
FRONT WHEEL ASSEMBLY

| | PART# | DESCRIPTION | QTY |
|---|-----------|----------------------------------|-----|
| 1 | 5110-100 | TRANSPORT WHEELS | 1 |
| 2 | 5110-100W | CASTER ASSY, 5", TRANSPORT WHEEL | _ 2 |



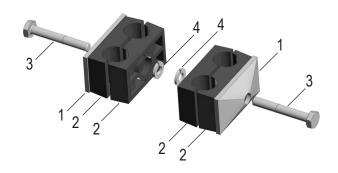
BREATHER DIP STICK

| | PART# | DESCRIPTION | QTY |
|---|----------|---------------------------------|-----|
| 1 | 405291 | BREATHER CAP, WITH SPLASH GUARI | D, |
| | | 1/4 NPT | 1 |
| 2 | 402989 | PIPE, RELIEF VALVE, 2-1/2" | 1 |
| 3 | 5110-234 | COUPLER, RELIEF VALVE | 1 |
| 4 | 70655 | PIPE, MALE, 10" X 3/4" | 1 |



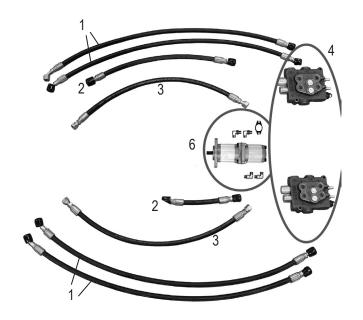
HOSE CLAMP ASSEMBLY

| QTY |
|-----|
| 2 |
| 4 |
| 2 |
| 2 |
| |

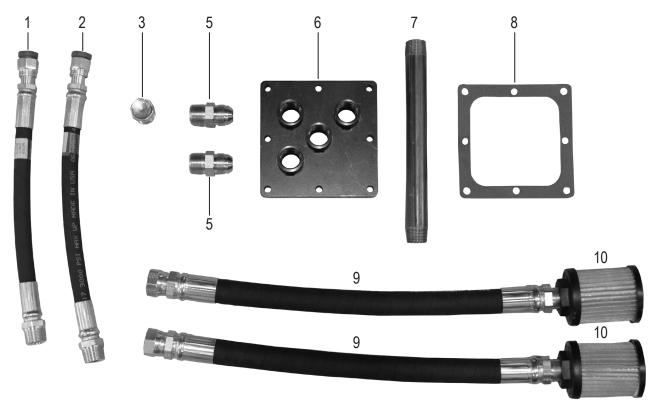


SPOOL AND HOSE

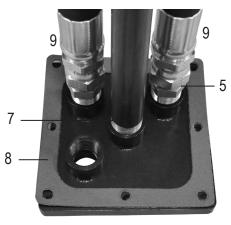
| | PART# | DESCRIPTION | OTV |
|----|-------------|--------------------------------------|------|
| | PARI# | DESCRIPTION | QII |
| 1 | 5200-261 | HOSE, WHEEL MOTOR | 4 |
| 2 | 5700-72 | HOSE, HYDRAULIC, 3/8 X 26, F/F | 2 |
| 3 | 5700-76 | HOSE, HYDRAULIC, 3/8 X 21, F/F | 2 |
| 4 | SEE CONTRO | L LEVER (DUAL LIFT) PARTS | |
| 5 | 70351 | HOSE, HYDRAULIC, 3/8 X 10, F/90F (NC |)T |
| | | SHOWN) | 1 |
| 6 | SEE GEAR PU | JMP ASSEMBLY | |
| 7 | 5110-114-2 | WHEEL MOTOR FITTING | 4 |
| 8 | 5700-70 | T-FITTING (NOT SHOWN) | 1 |
| 9 | 5700-77 | SUCTION HOSE ASSEMBLY (NOT SHO) | WN)1 |
| 10 | 5700-81 | SUCTION LINE (NOT SHOWN) | 1 |
| 11 | 5110-157 | PLUG, DRAIN-FILLER (NOT SHOWN) | 2 |
| 12 | 6280-162G | MAGNET, TANK (NOT SHOWN) | 2 |
| 13 | 401635 | HOSE, HYDRAULIC, 3/4 X 29, F/90F (NC | T |
| | | SHOWN) | 1 |

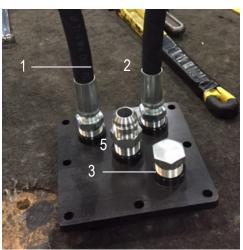


SUCTION ASSEMBLY & FILTER









| | PART# | DESCRIPTION | QTY | | PART# | DESCRIPTION | QTY |
|---|---------|--------------------------------------|-----|----|----------|---------------------------|-----|
| 1 | 5700-77 | ASSEMBLY, HOSE | 1 | 10 | 5110-237 | FILTER, SCREEN | 2 |
| 2 | 5700-81 | HOSE, SUCTION LINE | 1 | 11 | 73310 | SCREW, SHC, 5/16-18 X 7/8 | 8 |
| 3 | 5700-67 | PLUG, TANK | 1 | 12 | 73303 | WASHER, SPLIT LOCK, 5/16 | 8 |
| 4 | 70653 | FITTING, 90 DEGREE | 1 | 13 | 5700-65 | FILTER | 1 |
| 5 | 70652 | FITTING | 3 | 14 | 5700-66 | HEAD | 1 |
| 6 | 401574 | PLATE, SUCTION | 1 | 15 | 70612 | BRACKET | 1 |
| 7 | 70655 | PIPE, MALE, 10" X 3/4 | 1 | 16 | 5700-64 | FITTING, FILTER | 1 |
| 8 | 5700-93 | GASKET | 1 | | | | |
| 9 | 400099 | HOSE, SUCTION, 1/2" X 20" W/ FITTING | 2 | | | | |

GEAR PUMP ASSEMBLY

| | PART# | DESCRIPTION | QTY |
|---|----------|---------------------------------------|-----|
| 1 | 70905-D5 | PUMP, DOUBLE, MARZOCCHI | 1 |
| 2 | 5200-1G | GASKET, PUMP | 1 |
| 3 | 72816 | FITTING, ELBOW, 90 DEGREE, 3/8" | 2 |
| 4 | 6280-118 | FITTING, SUCTION HOSE TO PUMP | 2 |
| 5 | 73263 | WASHER, FLAT SEA ZINC 3/8 | 2 |
| 6 | 73204 | WASHER, SPLIT LOCK 3/8 | 2 |
| 7 | 403626 | SCREW, FERRY CAP, 3/8-16 X 3/4", 12P1 | Γ 2 |

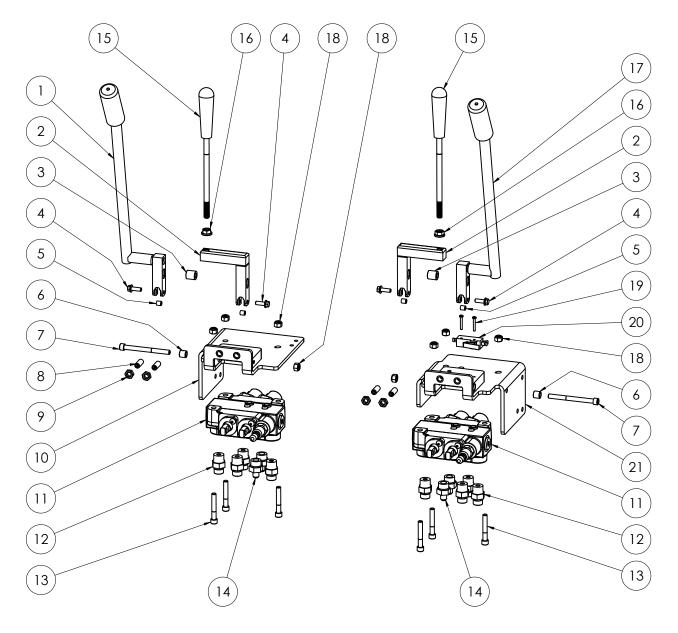


MOTOR

| | PART# | DESCRIPTION | QTY |
|---|-----------|--------------------------------|---------|
| 1 | 72385 | 4 HP MOTOR | 1 |
| 2 | 5200QL-1A | MOTOR PLATE | 1 |
| 3 | 73242 | SCREW, BUTTON HEAD CAP WITH FL | ANGE |
| | | 3/8-16 X 1 | 4 |
| 4 | 73210 | WASHER, INTERNAL/EXTERNAL LOCK | < 3/8 4 |
| 5 | 73207 | NUT, NYLOCK 3/8-16 (NOT SHOWN) | 4 |

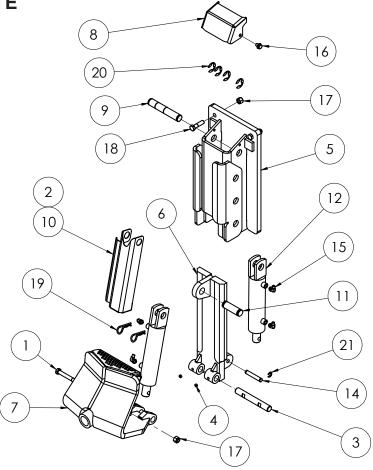


CONTROL LEVER (DUAL LIFT)



| ITEM NO. | PART NUMBER | DESCRIPTION | QTY. | ITEM NO. | PART NUMBER | DESCRIPTION | QTY. |
|-------------|-------------|-------------------------------------|------|-------------|-------------|---------------------------------|------|
| 1 | 402416 | Assembly, Valve Handle, Right | 1 | 12 | 400034 | Fitting, FF1231-06-08 | 8 |
| 2 | 401797 | Bracket, Universal, Lever | 2 | 13 | 73320 | Bolt, Socket Head Cap 5/16-18x2 | 6 |
| 3 | 401408 | Spacer, Round, .323 X .625 X .675 | 2 | 14 | 400137 | Fitting, 1/2 - 1/4, JIC | 4 |
| 4 | 73027 | Bolt, Wizlock, 1/4-20 X 3/4 | 4 | 15 | 5700-60 | Handle, Valve Adjustment | 2 |
| 5 | 401604 | Bushing, Lever, Hydro Valve | 4 | 16 | 73211 | Nut, Flange, Serrated, 3/8-16 | 2 |
| 6 | 402227 | Sleeve, Take-up, Valve Brkt | 2 | 17 | 402415 | Assembly, Valve Handle, Left | 1 |
| 7 | 73321 | Bolt, SHCS, 5/16-18x3.5 | 2 | 18 | 73322 | Nut, Nyloc, 5/16-18 | 8 |
| 8 | 73227 | Screw, Set 3/8-24x1 | 4 | 19 | 74517 | Screw, PPH-MS, 6-32x1 | 2 |
| 9 | 73235 | Nut, Hex Jam 3/8-24 | 4 | 20 | 5110-218 | Switch, Back-up Beeper | 1 |
| 10 | 401796 | Bracket Wldt, Valve, RH | 1 | 21 | 401795 | Bracket Wldt, Valve, LH | 1 |
| 11 | 401832 | Valve, Metered, Dual Spool, Low PSI | 2 | | | | |

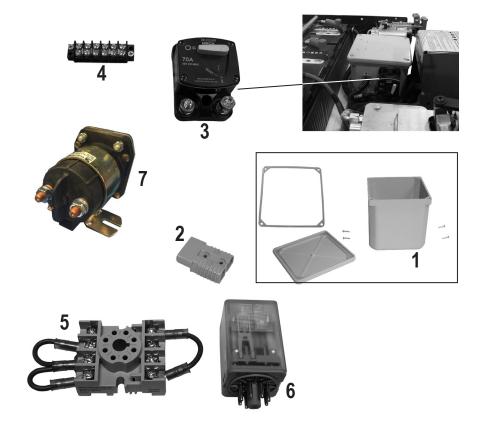
DUAL SLIDE PLATE



| ITEM NO. | PART NO. | DESCRIPTION | QTY. |
|-------------|----------|---|------|
| 1 | 400132 | Bolt, Hex Head, 1/2-13 x 4, Grade 8 | 1 |
| 2* | 400296 | Gasket, EPDM Foam | 1 |
| 3 | 401429 | Pin, Lower Cutting Head Support | 1 |
| 4 | 401876 | SSS, 3/8-24 x .25, Black Oxide | 2 |
| 5 | 402423 | Housing, Hydraulic Adjustment, Wldt | 1 |
| 6 | 402432 | Slide Plate, Hydraulic Adjustment, Wldt | 1 |
| 7 | 402440 | Tooling Holder, Weldment | 1 |
| 8 | 402513 | Cover, Hydraulic Adjustment, Housing | 1 |
| 9 | 402542 | Pin, Upper, Hydraulic Cylinder | 1 |
| 10 | 402574 | Shield, Cylinder | 1 |
| 11 | 402576 | Pin, Cylinder/Guard, Upper | 1 |
| 12 | 5110-250 | Cylinder NN16 | 2 |
| 13* | 5110-267 | Hose, Assembly, Hydraulic, 1/8 x 31.75, F/F | 2 |
| 14 | 6500-31 | Pin Lower Middle | 1 |
| 15 | 72801 | Fitting, 90 Deg., 1/4" | 4 |
| 16 | 73224 | Bolt, Wizlock, 3/8-16x1/2 | 2 |
| 17 | 73402 | Nut, Nylock, 1/2-13 | 3 |
| 18 | 73413 | Bolt, Hex Head 1/2-13x2 | 2 |
| 19 | 73536 | 5/8 Hitch Pin Clip | 2 |
| 20 | 80083 | E-Clip, 1" shaft | 4 |
| 21 | 80084 | E-Clip, 1/2" shaft | 2 |

*Not shown

ELECTRIC BOX & BATTERY CONNECTOR



| | PART# | DESCRIPTION | QTY | | PART# | DESCRIPTION | QTY |
|----|-------------|------------------------------------|--------|----|----------|-------------------------------------|-------|
| 1 | 5200-118-1A | BOX, ELECTRICAL, ONLY | 1 | 5 | 5700-90 | RELAY, SOCKET | 1 |
| 2 | 5200-118-9 | CONTACTS, TERMINAL, SB175 SERIES | S 2 | 6 | 5700-91 | RELAY | 1 |
| 3 | 5700-106 | BREAKER, CIRCUIT, 70 AMP | 1 | 7 | 5700-104 | SOLENOID | 1 |
| 4 | 5200-127 | TERMINAL, STRIP | 1 | | | | |
| | PARTS NO | T SHOWN | | | | | |
| | PART# | DESCRIPTION | QTY | | PART# | DESCRIPTION | QTY |
| 1 | 400206 | WIRE, PRIMARY, 16 GPT-500-BLK | 1 | 15 | 74761 | GROMMET, RUBBER 3/8" | 1 |
| 2 | 400207 | WIRE, PRIMARY, 16 GA, RED, GPT SEI | RIES1 | 16 | 402886 | PROBE, THERMAL | 1 |
| 3 | 5700-88 | METER, HOUR | 1 | 17 | 403245 | SEAL, CABLE, 16 GA, METRI-PACK 15 | 0 12 |
| 4 | 70610 | LOOM, CORROGATED, SLIT, BLACK, .2 | 250 ID | 18 | 403246 | TERMINAL, FEMALE, 18-16 GA, METRI | -PACK |
| | | | 6 | | | 150 | 12 |
| 5 | 71703 | PROTECTOR, BATTERY TERMINAL, R | ED 2 | 19 | 403247 | LOCK, FEMALE, 4 POSITION, METRI-P | ACK |
| 6 | 72580 | WIRE, PRIMARY, 16 GPT-500-BLU (TSC | 2) 4.3 | | | 150 | 1 |
| 7 | 72581 | WIRE, STRANDED, 16 GAUGE, WR16-9 | 9 4.3 | 20 | 403248 | LOCK, FEMALE, 8 POSITION, METRI-P | ACK |
| 8 | 72761 | TERMINAL, END, BATTERY 4 | 4 | | | 150 | 1 |
| 9 | 72765 | TERMINAL, END, NYLON, 12-10 | 2 | 21 | 403249 | CONNECTOR, FEMALE, 8 POSITION, | |
| 10 | 72778 | TERMINAL, 16-14 GAUGE, NYLON, | | | | METRI-PACK 150 | 1 |
| | | B RING | 20 | 22 | 403250 | CONNECTOR, FEMALE, 4 POSITION, | |
| 11 | 72815 | TERMINAL CONNECTOR, FEMALE, PL | | | | METRI-PACK 150 | 1 |
| | | ON | 2 | 23 | 403256 | TERMINAL, RING, 16-14 GA, 3/8" STUD |), |
| 12 | 72821 | TERMINAL, RING, 16-14 GAUGE, NYLO | ON, 10 | | | NYLON INSULATED | 2 |
| | | STUD | 8 | 24 | 400254 | WIRE, PRIMARY, 16 GPT-500-YEL | 30 |
| 13 | 72835 | HOUSING, CONTACT, BLUE | 1 | | | | |
| 14 | 73504 | STRAIN RELIEF, STRAIGHT 3/4 INCH. | 750"- | | | | |
| | | 1.00 | 3 | | | | |
| | | | | | | | |

POWER CONTROLS (DOMESTIC)

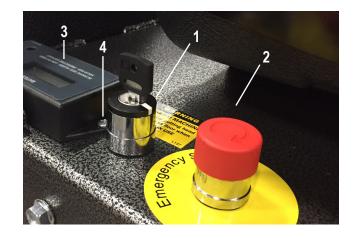
| | PART# | DESCRIPTION | QTY |
|---|-----------|------------------------------------|-------|
| 1 | 5700-103 | SWITCH, START, ASSEMBLY | 1 |
| | 72451* | CONTACT BLOCK, NO, 10A, SPRING | |
| | | CLAMP, ZB4 SERIES | 1 |
| | 72454 | SWITCH, START | 1 |
| | 72456* | COLLAR, MOUNTING, 22MM, ZB4 SEF | RIES1 |
| 2 | 5700-102 | ASSEMBLY, E-STOP | 1 |
| | 72452* | CONTACT BLOCK, NC, 10A, SPRING | |
| | | CLAMP, ZB4 SERIES | 2 |
| | 72453 | SWITCH, 22MM, E-STOP, ZB4 SERIES | |
| | 72456* | COLLAR, MOUNTING, 22MM, ZB4 SEF | RIES1 |
| | 5700-102D | LABEL, EMERGENCY STOP | 1 |
| 3 | 403042 | ALARM, LOW VOLTAGE | 1 |
| 4 | 74567 | SCREW, PHILLIPS PAN HEAD, 8-32X3/8 | 3, |
| | | ZINC-PLATED | 2 |



*NOT SHOWN

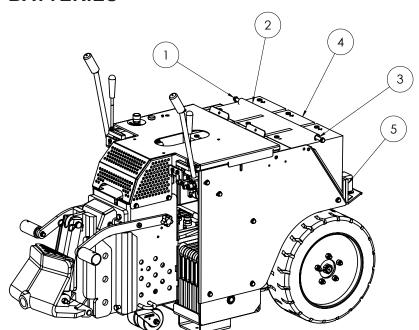
POWER CONTROLS (INTERNATIONAL)

| | PART# | DESCRIPTION | QTY |
|---|-----------|------------------------------------|-------|
| 1 | 401415 | ASSEMBLY, KEYED SWITCH | 1 |
| | 72451* | CONTACT BLOCK, NO, 10A, SPRING | |
| | | CLAMP, ZB4 SERIES | 1 |
| | 72455 | SWITCH, KEYED | 1 |
| | 72456* | COLLAR, MOUNTING, 22MM, ZB4 SEF | RIES1 |
| 2 | 5700-102 | ASSEMBLY, E-STOP | 1 |
| | 72452* | CONTACT BLOCK, NC, 10A, SPRING | |
| | | CLAMP, ZB4 SERIES | 2 |
| | 72453 | SWITCH, 22MM, E-STOP, ZB4 SERIES | 1 |
| | 72456* | COLLAR, MOUNTING, 22MM, ZB4 SEF | RIES1 |
| | 5700-102D | LABEL, EMERGENCY STOP | 1 |
| 3 | 403042 | ALARM, LOW VOLTAGE | 1 |
| 4 | 74567 | SCREW, PHILLIPS PAN HEAD, 8-32X3/8 | 3, |
| | | ZINC-PLATED | 2 |



*NOT SHOWN

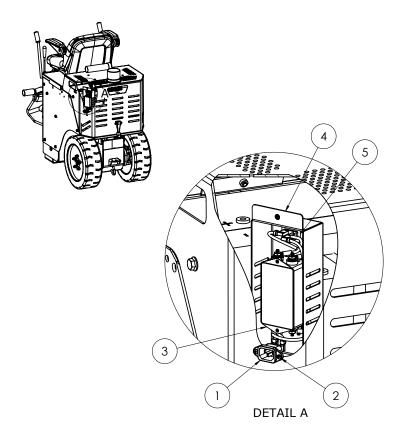
BATTERIES



| ITEM NO. | PART NUMBER | DESCRIPTION | QTY. |
|----------|-------------|--------------------------|------|
| 1 | 73224 | Bolt, Flange 3/8-16x1/2 | 2 |
| 2 | 5700-62 | Cover, Battery Hold Down | 2 |
| 3 | 401674 | Rod, Hold-down, Battery | 1 |
| 4 | 5213-3 | Battery, 200 Amp, 8V | 6 |
| 5 | 5700-56 | Spacer, Battery | 8 |

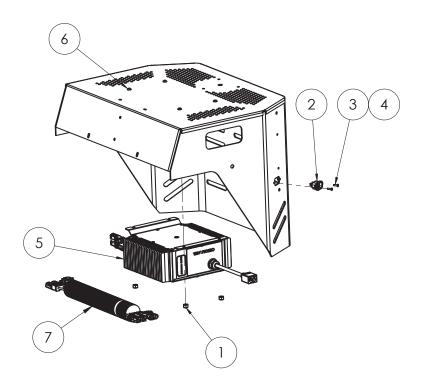
^{* 402996} HIDDEN FOR CLARITY

LINE FILTER (INTERNATIONAL ONLY)



| ITEM NO. | PART NUMBER | DESCRIPTION | QTY. |
|----------|-------------|---|------|
| 1 | 403195 | Plug, IEC 320-C13 Panel Mount, Flanged | 1 |
| 2 | 74508 | Screw, Phillips Pan Head Machine 6-32x1/2 | 2 |
| 3 | 403766 | Filter, Line, 250VAC, 20A | 1 |
| 4 | 403770 | Cover, Line Filter | 1 |
| 5 | 403176 | Receptacle, Panel Mount, IEC C-13, 250V, 15A | 1 |

CHARGER ASSEMBLY



| ITEM NO. | 5000-17XXXX | 5000-11XXXX 5000-15XXXX | 5000-20XXXX | DESCRIPTION | QTY. |
|-------------|-------------|----------------------------|-------------|---|------|
| 1 | 73322 | 73322 | 73322 | Nut, Hex, Nylon Insert, 5/16-18 | 4 |
| 2 | | 403195 | 403195 | Inlet, IEC C14, Flanged, 250V, 15A | 1 |
| 3 | | 74508 | 74508 | Screw, Phillips Pan Head, 6-32x1/2 | 2 |
| 4 | | 74518 | 74518 | Nut, Keps, 6-32 | 2 |
| 5 | 406470 | 406470 | | Assembly, Charger, Battery, 1500W, 108-250VAC, Hi-Freq, 160-200AH | 1 |
| 5 | | | 406471 | Assembly, Charger, Battery, 1000W, 85-265VAC, Hi-Freq, 160-220AH | 1 |
| 6 | 73003 | 73003 | 73003 | Screw, Button Head Socket Cap, 1/4-20x5/8 | 4 |
| 7 | 403146 | 403146 | 403146 | Harness, Charger | 1 |
| 8* | 402878 | | | Cord, Power, SJTO, 14/3, NEMA 5-15 TO C-13, 2ft | 1 |

*Not shown

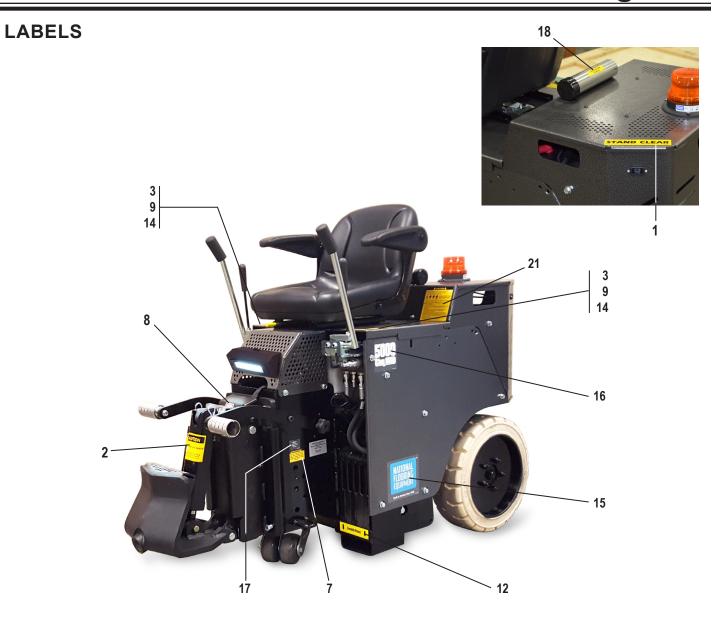
BACKUP BEEPER ASSEMBLY

| | PART# | DESCRIPTION | QTY |
|---|----------|--------------------------|-----|
| 1 | 5200-116 | BACK-UP BEEPER ASSEMBLY | 1 |
| 2 | 73020 | BOLT, WIZLOCK 1/4-20X5/8 | 2 |



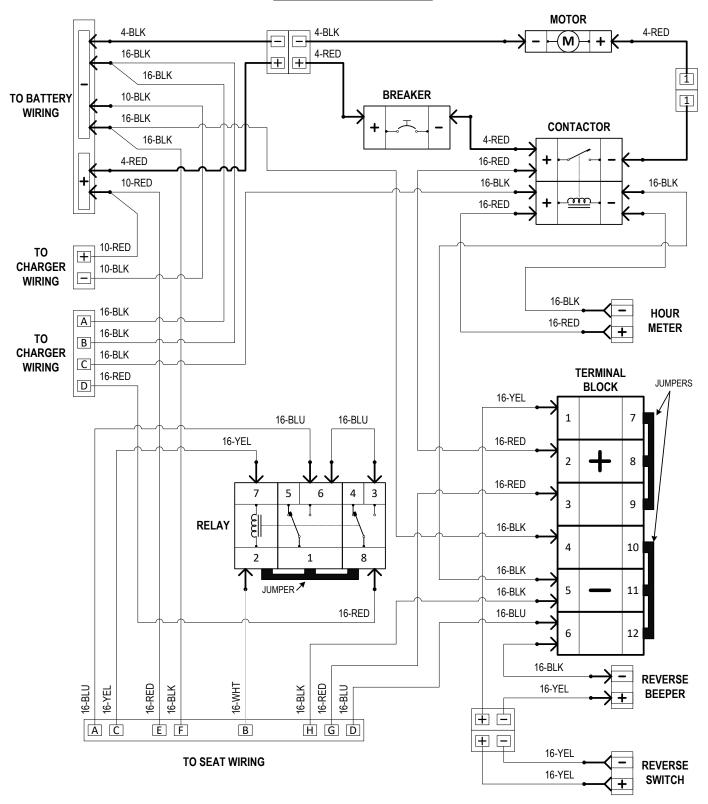
HEADLIGHT ASSEMBLY

| ITEM NO. | PART NUMBER | DESCRIPTION | QTY | |
|-------------|-------------|--|-------|---|
| 1 | 403976 | Switch, Rocker, SP, 14V, 16 A | 1 | |
| 2 | 404009 | Shroud, Worklight, Rider, Low Profile | 1 | |
| 3 | 404041 | Light, Work, 6"x2", Flush, 18W | 1 | |
| 4 | 404060 | Screw, Button Head Cap, M5x0.8x10, Black Oxide | 2 | |
| 5 | 74631 | Bolt, Wizlock, M6-16 | 4 | |
| | | 5 | See ! | 3 |



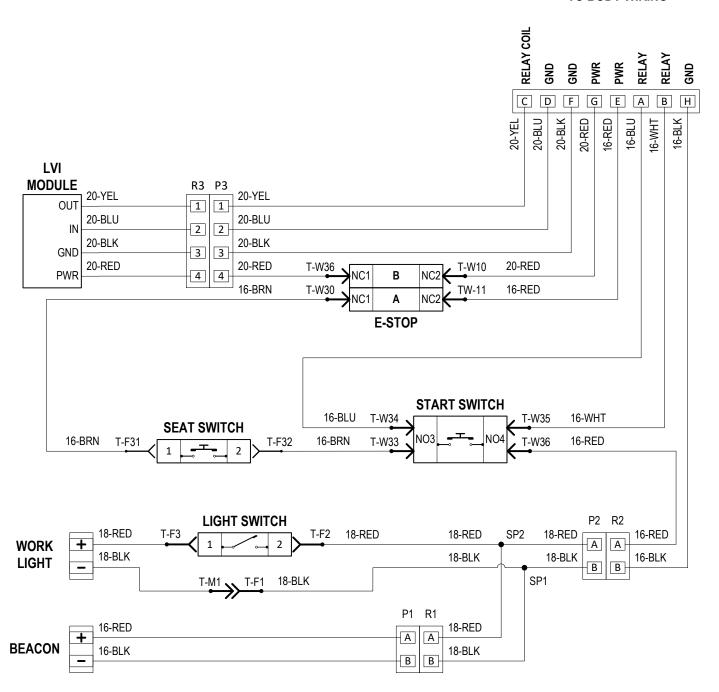
| | PART# | DESCRIPTION | QTY | | PART# | DESCRIPTION | QTY |
|------|---------|-------------------------------|-----|----|---------|---------------------------------------|-------|
| 1 | L08-1 | STAND CLEAR LABEL | 2 | 15 | 402464 | NATIONAL LABEL, LARGE | 2 |
| 2 | L33B | CAUTION MOVING PARTS LABEL | 1 | 16 | 403287 | LABEL, 5000 CINQ MILLE | 2 |
| 3 | L137 | WARNING DISARM MACHINE LABEL | 3 | | 405296 | LABEL, 5000 (5000-17XXXX ONLY) | 2 |
| 4 | L309* | LABEL, "A" | 6 | 17 | L223 | LABEL, PATENT NUMBER | 1 |
| 5 | L311-2* | LABEL, BATTERY | 6 | 18 | L33C | INSTRUCTION MANUAL LABEL | 1 |
| 6 | L66* | LARGE CAUTION LABEL | 1 | 19 | 403783* | LABEL, CE, 5000, 230V, 50HZ (5000-11) | XXXX, |
| 7 | L95F | FLUID LEAK LABEL | 2 | | | -15XXXX ONLY) | 1 |
| 8 | L106 | PINCH POINT LABEL | 2 | 20 | 404298* | LABEL, CE, 5000, 110V, 50HZ (5000-20) | XXXX |
| 9 | L118 | OPERATOR MUST BE SEATED LABEL | 2 | | | ONLY) | 1 |
| 10 | L142* | TRAILER HITCH LABEL | 1 | 21 | L155 | LABEL, GENERAL WARNING | 1 |
| 11 | 402376* | LABEL, RIDE-ON LIFT | 1 | 22 | L305* | LABEL, DO NOT GET CHARGER WET | 1 |
| 12 | 402149 | LABEL, FORKLIFT POINT | 2 | 23 | 402926* | LABEL, CHARGER, QUIQ1500 | 1 |
| 13 | L38* | LABEL, DISCONNECT POWER | 1 | | 402927* | LABEL, CHARGER, QUIQ 1000 | |
| 14 | L98 | LABEL, BLADE LIFT | 2 | | | (5000-20XXXX ONLY) | 1 |
| *NOT | SHOWN | | | | | | |

MAIN WIRING DIAGRAM



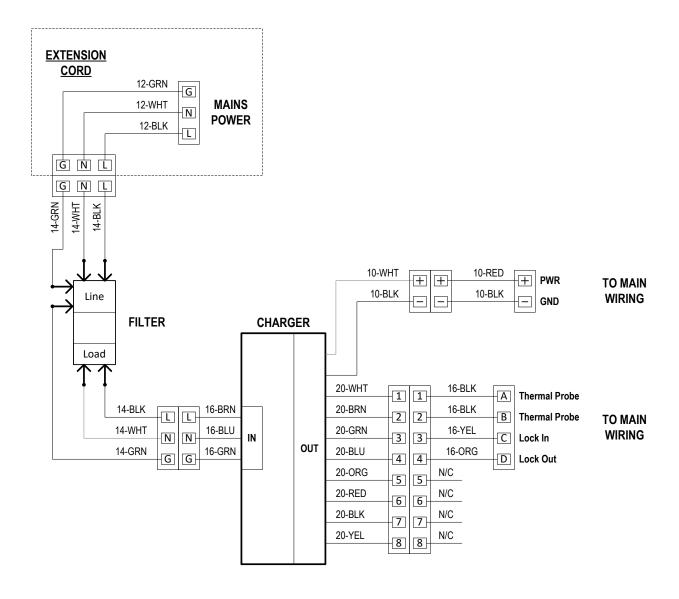
SEAT WIRING DIAGRAM

TO BODY WIRING

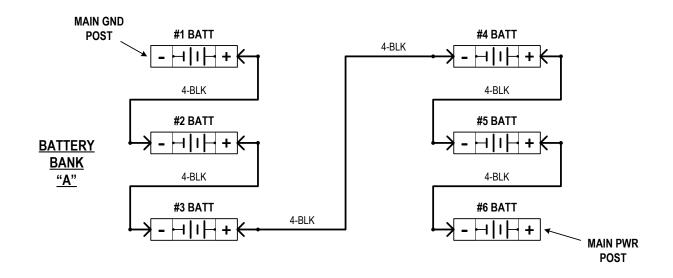


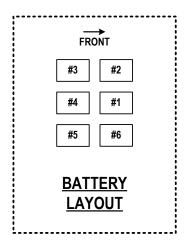
Wiring Diagrams

CHARGER WIRING DIAGRAM



BATTERIES WIRING DIAGRAM





Warranty

National Flooring Equipment Inc. (referred to as "The Company") warrants that each new unit manufactured by The Company to be free from defects in materials and workmanship in normal use and service for a period of twelve (12) months from date of shipment from The Company to the end user. If shipment to end user is from a Distributor, The Company may honor warranty for up to 15 months from initial shipment from the Company if the end user can provide documentation of receipt date. Accessories or equipment furnished and installed on the product by the Company but manufactured by others, including but not limited to: engines, motors, electrical components, transmissions etc., shall carry the accessory manufacturers own warranty. Battery warranties are prorated over the warranty period. Customer is responsible for the inspection of equipment or parts upon delivery. Freight damages are excluded from this warranty.

The Company, at its determination of defect, will repair or replace any product or part deemed to be defective in material or workmanship within specified warranty time period. All product determinations and / or repairs will take place at The Company repair facility or at a certified warranty location designated by The Company. The Company will coordinate and be responsible for all freight expenses associated with valid warranty claims. Freight and shipping expenses associated with abuse or misuse will be back charged to the Distributor/Customer. The Company reserves the right to modify, alter or improve any part / parts without incurring any obligation to replace any part / parts previously sold without such modified, altered or improved part / parts. In no event shall the seller or manufacturer of the product be liable for special, incidental, or consequential damages, including loss of profits, whether or not caused by or resulting from the negligence of seller and / or the manufacturer of the product unless specifically provided herein. This warranty shall not apply to any products or portions there of which have been subjected to abuse, misuse, improper installation or operation, lack of recommended maintenance, electrical failure or abnormal conditions, and to products which have been tampered with, altered, modified, repaired, reworked by anyone not approved or authorized by the Company or used in any manner inconsistent with the provisions of the above or any instructions or specifications provided with or for the product. Any and all unauthorized onsite warranty work conducted by unauthorized personnel or any outside person(s), is not covered by The Company unless the work has been pre-authorized by a predetermined manufacturer representative. This warranty excludes wearable parts and/or consumables.

Defective or failed material or equipment shall be held at the purchaser's premises until authorization has been granted by The Company to return or dispose of defective products. Products returned to The Company for inspection must be returned with a manufacturer authorized Return Material Authorization (RMA), and must be packaged to The Company's specifications to avoid damage during shipment. Any unauthorized return of equipment will be declined at the dock by The Company. Any non-approved items returned with approved returned items are subject to rejection and will not be credited. Credit will be issued for material found to be defective upon The Company's inspection based on prices at time of purchase.

TO OBTAIN SERVICE CONTACT NATIONAL FLOORING EQUIPMENT, INC. TOLL FREE AT 800-245-0267 FOR A REPAIR AUTHORIZATION NUMBER. COD FREIGHT RETURNS WILL NOT BE ACCEPTED. FREIGHT COLLECT SHIPMENTS WILL NOT BE ACCEPTED. WARRANTY REPAIRS MUST BE ACCOMPANIED BY DATE OF PURCHASE RECEIPT AND A RETURN/REPAIR AUTHORIZATION NUMBER.

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| RETURN/REPAIR AUTHORIZA | ATION NUMBER: | |
|-------------------------|---------------|--|
| MACHINE SERIAL NUMBER: | | |

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