

OPERATIONS AND SERVICE MANUAL

MODELS 3045E & 3054E

866-540-7575

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Installation

1. UNPACKING: If any damage is found, notify your carrier immediately and save all crating materials for the carrier's inspector to examine. Failure to promptly report damage could result in denial of your claim.

If no damage is found, remove the banding that secure the machine to the pallet. Remove the machine from the pallet. Be careful not to damage the casters mounts on the underside. Install the four steel casters provide in the box inside the washer cabinet.

2. LOCATIONS: Your jet washer will generate considerable hot water vapor. Choose a location where the hot water vapor cannot hurt anything in the surrounding area. The process of removing wet parts from the cabinet will inevitably result in some wash solution spilling onto the floor, possibly causing slippery conditions. IF YOUR FLOOR IS SMOOTH, PLACE ONE OR MORE TRACTION MATS AROUND THE MACHINE AND AVOID PLACING THE WASHER NEAR A WALKWAY.

If your washer is permanently wired, keep in mind that at least 30" is needed for service behind the machine. If you want the machine to be against a wall, plan your various service connections so that they can be easily disconnected. The site chosen must be level for proper turntable rotation and for the optimum water level in the tank. Your Hot Jet washer is not portable once filled with water. The casters are provided to assist in rolling the empty machine into the space where it is to be operated. Once in place level the unit from front to back and from side to side by shimming the casters. If your washer is top loading, the lid may be hitting the edge of the cabinet. To shift the lid so that it is centered in the body of the cabinet, add or remove the shims on one of the front comers.

3. MACHINE POWER HOOK-UP: Have a licensed electrician do all electrical work if you do not have a specified plug in.

START UP

1. Read this entire manual before attempting to install your MaxJet Spray Washer. You will be less likely to make mistakes if you have a grasp of the "whole picture."

2. Your machine utilizes high voltage. Use the services of a licensed electrician for all electrical work.

- 3. The heating element(s) and the pump/motor will be ruined if they are turned on when there is no water in the tank. Therefore, don't turn on electric power to the machine unless the pump and heat controls are off or unless the tank is filled with water to the proper level.
- 4. Your jet washer is made with mild steel and will rust unless you use the correct detergent and follow the correct start-up procedure. A starter package of Quality Systems QS 100 Spray Washer Detergent is provided. In the future make sure the brand you are using is safe on mild steel and has an adequate concentration of rust inhibitors. When installing the unit, don't fill the tank with water unless you have the time needed to heat the water to 160° to 180° F, add the detergent, and run the wash cycle for at least one (1) hour to coat the steel with rust inhibitor. Again, read this entire manual before starting the installation so that you know what is involved.

5. Do not use any petroleum base chemical or solvent, or any flammable products in the washer.

6. The heating element(s) and pump/motor can be damaged if the water level drops too low. Even if your machine has the optional "low water shut-off or automatic water fill", check the water level daily. The proper water level is to the to the top of the filter tray in the bottom of the cabinet. The water level will drop about one inch when pump is started.

7. Clean the filter tray daily.

8. If you are not using Quality Systems #228 Spray Washer Detergent, be sure the detergent is suitable for your jet washer and application:

---Contains an adequate level of rust inhibitors

-Low foaming/designed for a jet washer

—Safe for the metals you will be cleaning

-See "Chemical Selection"

9. Cleaning will be poor and the heating element(s) and pump/motor may be damaged if the tank and spray manifolds are not cleaned according to instructions.

10. Protect your environment and protect your business by handling your dirty cleaning solution properly. Your local water district can provide you with sewer disposal guidelines.

OPERATIONS TEST

Before turning on the electrical power to the machine, make sure the 0-60 minute wash timer and the circuit breaker located on rear of the washer are in the "off mode. If your machine has a power cord, turn the power on and off with your circuit breaker. Don't plug the cord into a hot receptacle. Read "Start Up" numbers 3, 4 and 6 about the proper water level and the potential for rust. Don't start this test unless you can spend 2 to 3 hours to heat the water, add detergent, and run the wash cycle for 1 hour.

- 1. Open the door (lid) to the cabinet.
- 2. Fill the tank with water so that the water level is in accordance start up instructions. (To the top of chip tray in bottom of the cabinet)
- 3. The thermostat is factory preset for most applications. The recommended temperature is 175 F. 4. Turn on power to the machine by flipping your breaker (don't plug the cord into a hot receptacle).
- 4. Flip the circuit breaker to the on position. If equipped with a heat timer 7 day or 0-12 hour. Make sure they are in a run time setting. Leave the heat on for the balance of this test.

CHEMICAL SELECTION

The detergent is responsible for as much as 50% of the overall cleaning results. Thus, the cleaning results you get from your MAXJET Hot Jet Spray Washer will be as good as, or as bad as the detergent you select. Make sure the detergent is:

- (1) Safe to use in a mild steel cabinet;
- (2) Safe to use on the different types of parts you will be cleaning and;
- (3) Low foaming when used in a jet washer.

Quality Systems offers a proven product that is safe on aluminum parts as well as steel. For time-tested results request QS #228 Spray Wash Detergent.

GENERAL CLEANING TIPS

If parts are caked with heavy dirt or excessive grease build up you will want to scrape the bulk of it off before placing in washer. This will allow the hot soap and water to penetrate and break down the oils. Remember all the debris that goes into the washer will eventually have to be cleaned out.

When loading a batch of parts, space the parts so that the spray can hit all surfaces. Always try to keep the load centered on the turntable ie. If a part has blind holes or pockets, try to have these orifices face downward so that the part doesn't hold water. Oil pans are best cleaned in a vertical position. Secure to the tee bar to hold in position while cleaning. For the best flash drying, remove the parts right after the wash cycle while parts are still hot. The parts will not dry inside the machine due to the hot water vapor and the steam can remove the rust inhibitor causing rusting if left over night.

In the first couple of days of operation, observe the chip tray after every wash cycle to determine how often it will need to be cleaned. Clean the filter tray at least once a day.

QUALITY SYSTEMS

866-540-7575



QS Jet Spray Washer Compound #229

Our QS Jet Washer Compound #228 is an aluminum safe metal cleaner is equally effective on both ferrous and non ferrous metals. It is designed for all types of hot jet spray cabinet washers.

QS #229 detergent has a rust inhibitor added to the formula to help prevent spray cabinets and parts from rusting. It will not damage plastics, rubber or fabrics. It is safe on the following metals: aluminum, iron, zinc, cadmium, lead, magnesium, chromium and mild and stainless steel.

Soak Tank Cleaning: Mix 1/2 to 1 pound to every gallon of water.

Spray Cabinet Washer: Mix 1/4 to 1/2 pound to every gallon of water depending on soil load

Injector Soap for pressure washer: Mix 10 lbs into 5 gallons hot water when dissolved pour into a clean 55 gallon drum and fill with fresh water. You now have 55 gallons of injector soap.

Detergent dissolves best in water at 140 F and up. Make sure water is at this temperature prior to running pump or foaming may occur.

Make up detergent may be needed between changes to insure proper cleaning.

Biodegradable. Free rinsing. Low foam allows for spray cabinet usage. No irritating fumes. Non-caustic. Non-toxic. Penetrates heavy grease and soil build-up. Safe on aluminum and other soft metals. USDA approved.

Packaged in 40 lb, 100 lb and 450 lb

OPERATIONS TIPS

- 1. Assign the responsibility of your jet washer to one person to avoid abuse and neglect. This person will check the water level every day; have the tank cleaned out periodically, etc.
- 2. Due to evaporation and drag-out, you will need to add water to the tank every day washer is used. The importance of the water level has been stressed throughout this manual (read "Precautions" numbers 3 and 6).

3. Turn on the heat circuit with the circuit breaker or with the optional 7-day time lock. Allow one to one and a half (1.5) hours to heat the solution from 70° F to the operational temperature range of 160° to 180° F. If your washer has the optional 7-day timer and you want the washer operational at 8:00 AM for example, set the clock to come on at 6:30 AM.

Hint - To save energy, turn the heat off one (1) hour before you stop using the machine. The water will stay hot enough for effective cleaning.

- 4. Do not add detergent or start the wash cycle until the water is hot. Otherwise, the solution may foam.
- 5. Add the detergent according to the supplier's instructions. You can either pour the detergent directly into the tank or into spraying floor area. Run at least a 15-minute wash cycle to thoroughly mix the detergent in solution. Weigh the detergent to determine an accurate volume measure. Don't make the common mistake of using a one pound coffee can thinking it also holds a pound of detergent. You solution can be used until it is too dirty to clean effectively. You may have to add small amounts of detergent when you add water to keep at maximum cleaning strength.

In the future, you may want to increase or reduce the detergent concentration until you find the ideal concentration for your application. If the detergent is leaving an excessive residue on the parts, reduce .the concentration. Consult the factory if you cannot obtain the desire results. In some cases, the hardness of your water could create a problem.

GENERAL MAINTENANCE

FOR DAILY USE

- 1. Check water level. The proper level is to the top of the chip basket
- 2. Check spray ports and clean debris from any that appear clogged
- 3. Clean out the chip tray
- 4. Clean and solution spilled onto the painted surfaces of the machine by wiping down with fresh water.
- 5. Run the oil skimmer while water has set quiet over night. The skimmer timer has a maximum time of 15 minutes and this is sufficient to remove oil daily. Collected oil may be place in your waste oil tank for disposal.

WEEKLY OR AS NEEDED

- 1. Lubricate the turntable bearing with water resistant #2 lithium grease.
- 2. Check the sludge level in the tank. If build up is greater than one inch, clean out the tank. It is important that sludge does not encapsulate the heat element.

TANK CLEAN OUT TIPS

- 1. Clean out is accomplished with the turntable removed. To remove the turntable, first disengage the brush drive. Place a wedge between the drive motor and the cabinet. Lift turntable and remove the chip tray.
- 2. Drain tank following government regulations. Use a hose to flush tank sediment towards the drain located on side.
- 3. Replace turntable and chip tray fill with water. Heat and charge solution with detergent. Be sure to remove wedge to engage brush drive.

TROUBLE SHOOTING

- 1. Nothing Works
 - Breaker switch is off.
 - Circuit breaker in main boxed tipped.
 - (7-day timer if equipped) is in non-run position.
- 2. Cabinet is Rusting Inside
 - Wrong detergent Replace solution with detergent containing proper rust inhibitor.
 - Cabinet rusting may occur if the reservoir water is allowed to steam without running a wash cycle. Run cycles to keep inside coated with rust inhibitor. Turn on head only on days that machine will be operated.
 - Stop rusting by running a higher concentration of detergent and using machine for several hours.
- 3. Foaming
 - Wrong detergent may have been used.
 - The pump was started with cold solution.
 - Solution concentration or water level is low if so add more detergent or water
 - Food machine grease or gear oil may require a defoaming agent.
- 4. Solution Not Hot
 - One or more heating elements are bad.
 - Heat or 7 Day Timer is not in a run position.
- 5. Turntable- Does Not Rotate or Slow Rotation
 - The drive wheel may be worn out. The Granger part number is provided. The replacement instructions are listed in the repair section.
 - Drive motor is bad. The Granger part number is provided. The replacement instructions are listed in the repair section.
 - Drive is slipping heavy load should be centered- check. Make sure you have not exceeded load capacity. A large part could be caught on inside of the cabinet. Check and rearrange parts if needed.
- 6. Oil Skimmer Wheel Does Not Turn
 - Wheel Plate loose on shaft tighten.
 - Skimmer Timer Switch is Bad check and replace.
 - Oil Skimmer motor is bad check and replace

NEED MORE HELP – Call

QUALITY SYSTEMS - 866-540-7575

MAXJET SERVICE PARTS

CONTACT - Quality Systems - 913-362-6131

qualitysystems@earthlink.net

YOUR MODEL NUMBER IS MJ3045E

- PIN 6-12LIOOS INDOOR PANEL
- PIN HOM230 30 AMP BREAKER
- PIN H0M220 20 AMP BREAKER
- PIN 12221 1 HP CENTRIFUGAL PUMP FOR MODEL MJ3045E
- PIN12222 2 HP CENTRIFUGAL PUMP FOR MODEL MJ3054E
- PIN 80137 PUMP SHAFT SEAL KIT
- PINWAOSWH OIL SKIMMER WHEEL
- *PIN*\VAOSWI OIL SKIMMER \VIPER
- *PIN* 4PE19 DOOR HANDLE (MUST BE WELDED)
- PIN WAPT PARTS TREE
- PIN WAPB PARTS BASKET
- P/N WAHK 1 "X 9" HOSE KIT (2 EA. REQ'D)
- PIN 14506 PILLOW BLOCK BEARING

COMMON PARTS THAT CAN BE OBTAINED FROM GRANGER ON LINE AT <u>WWW.GRANGER.COM</u> OR FROM US PHONE 888-361-8649

2E270 Wash Cycle Timer 0-60 minutes



4Z518 Turntable Drive Motor



(Not Pictured)

3M096 Oil Skimmer Motor



2E303 Water Heater Element







3A201 Brush Drive for Turntable



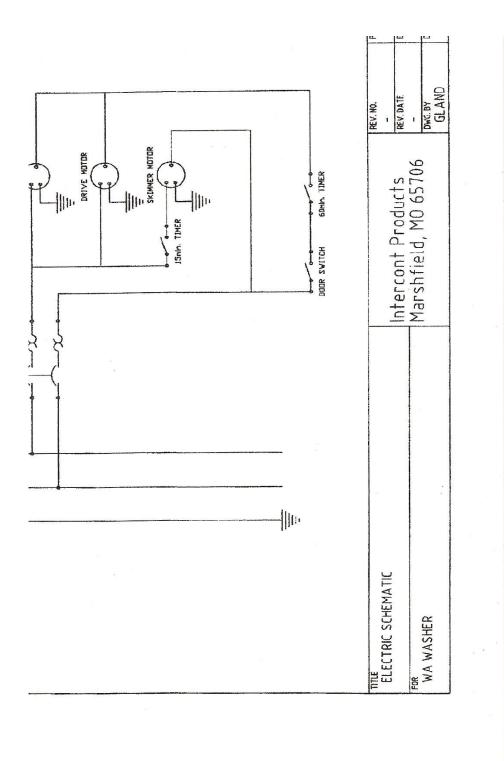
2X894 Door Safety Switch

5E658 Door Latch



3ZN05 Gear Motor Shaft





HEATER ELEMENT REPLACEMENT INSTRUCTIONS

- 1. TURN BREAKERS OFF AND UNPLUG WASHER.
- 2. DRAIN TANK.
- 3. REMOVE BACK COVER.
- 4. REMOVE TWO SCREWS HOLDING WIRES TO OLD HEATER ELEMENT.
- 5. REMOVE OLD HEATER ELEMENT.
- 6. INSTALL GASKET ON NEW HEATER ELEMENT THREADS.
- 7. APPLY PIPE DOPE ON REMAINING NEW HEATER ELEMENT THREADS.
- 8. SCREW NEW HEATER ELEMENT IN UNTIL GASKET CONNECTS WITH TANK COUPLER. TIGHTEN ONE HALF TO ONE TURN-DO NOT OVERTIGHTEN!
- 9. REINSTALL NEW HEATER ELEMENT WIRES AND SCREWS.
- 10. FILL TANK AND CHECK FOR LEAKS.
- 11. REPLACE BACK COVER.
- 12. FOLLOW WASHER OPERATING INSTRUCTIONS.

THERMOSTAT REPLACEMENT INSTRUCTIONS

- 1. TURN BREAKERS OFF AND UNPLUG WASHER.
- 2. REMOVE BACK COVER.
- 3. REMOVE TWO WIRES FROM OLD THERMOSTAT.
- 4. REMOVE TWO NUTS RETAINING OLD THERMOSTAT.
- 5. REMOVE OLD THERMOSTAT.
- 6. REINSTALL NEW THERMOSTAT.
- 7. REPLACE TWO NUTS ON NEW TERMOSTAT. TIGHTEN NEW THERMOSTAT UNTIL IT WILL NOT MOVE-DO NOT OVERTIGHTEN!
- 8. REINSTALL TWO WIRES TO NEW THERMOSTAT.
- 9. REPLACE BACK COVER.
- 10. FOLLOW WASHER OPERATING INSTRUCTIONS.

SKIMMER GEARMOTOR REPLACEMENT INSTRUCTIONS

- 1. TURN BREAKER OFF AND UNPLUG WASHER.
- 2. REMOVE OIL SKIMMER WIPERS.
- 3. REMOVE OIL SKIMMER WHEEL AND ARBOR BY LOOSENING OUTSIDE NUT.
- 4. LOOSEN SET SCREW THAT ATTACHES ARBOR TO OLD OIL SKIMMER GEARMOTOR.
- 5. REMOVE OIL SKIMMER WHEEL AND ARBOR ASSEMBLY.
- 6. REMOVE OIL SKIMMER GEARMOTOR MOUNTING COVER.
- 7. DISCONNECT RED & WHITE WIRES FROM OLD OIL SKIMMER GEARMOTOR BY REMOVING SCREWS AND SPACER WASHERS.
- 8. INSTALL NEW OIL SKIMMER GEARMOTOR BY CONNECTING RED & WHITE WIRES WITH SCREWS AND SPACER WASHERS.
- 9. REINSTALL OIL SKIMMER GEARMOTOR MOUNTING COVER.
- 10. REINSTALL OIL SKIMMER WHEEL AND ARBOR ASSEMBLY.
- 11. TIGHTEN SET SCREW THAT ATTACHES ARBOR TO NEW OIL SKIMMER GEARMOTOR.
- 12. REINSTALL OIL SKIMMER WHEEL AND ARBOR BY TIGHTENING OUTSIDE NUT.
- 13. REINSTALL OIL SKIMMER WIPER.
- 14. FOLLOW WASHER OPERATING INSTRUCTIONS.

WIRE DRIVE WHEEL REPLACEMENT INSTRUCTIONS

- 1. REMOVE BACK COVER
- 2. RELEASE TENSION SPRING ON LEFT SIDE OF MOTOR MOUNT.
- 3. REMOVE FOUR BOLTS FROM DRIVE MOTOR MOUNT.
- 4. LAY DRIVE MOTOR DOWN IN TRAY AND REMOVE WIRE WHEEL RETAINING NUT.
- 5. SLIDE OLD WIRE WHEEL OFF ARBOR AND INSTALL NEW WIRE WHEEL.
- 6. REPLACE WIRE WHEEL RETAINING NUT.
- 7. STAND DRIVE MOTOR UP AND REPLACE FOUR SCREWS ON END OF DRIVE MOTOR MOUNT.
- 8. REINSTALL TENSION SPRING ON LEFT SIDE OF MOTOR BRACKET.
- 9. REPLACE BACK COVER.

TURNTABLE DRIVE GEARMOTOR REPLACEMENT INSTRUCTIONS

- 1. REMOVE BACK COVER.
- 2. RELEASE TENSION SPRING ON LEFT SIDE OF MOTOR MOUNT.
- 3. REMOVE FOUR BOLTS FROM DRIVE MOTOR MOUNT.
- 4. LAY DRIVE MOTOR DOWN IN TRAY AND REMOVE ARBOR/WIRE WHEEL ASSEMBLY FROM MOTOR SHAFT.
- 5. REMOVE MOTOR ELECTRIC COVER AND DISCONNECT WIRES.
- 6. RECONNECT ELECTRIC WIRES TO REPLACEMENT MOTOR.
- 7. REPLACE MOTOR ELECTRIC COVER.
- 8. REINSTALL ARBOR/WIRE WHEEL ASSEMBLY ON MOTOR SHAFT.
- 9. STAND DRIVE MOTOR UP AND REPLACE FOUR SCREWS ON END OF DRIVE MOTOR MOUNT.
- 10. REINSTALL TENSION SPRING ON LEFT SIDE OF MOTOR BRACKET.
- 11. REPLACE BACK COVER.

PUMP SHAFT SEAL ASSEMBLY REPLACEMENT INSTRUCTIONS

- 1. TURN BREAKERS OFF AND UNPLUG MACHINE.
- 2. DRAIN TANK.
- 3. REMOVE THE TWO MOTOR MOUNTING BOLTS.
- 4. REMOVE THE FOUR PUMP HOUSING BOLTS.
- 5. SLIDE MOTOR/ADAPTER PLATE ASSEMBLY BACK FROM PUMP HOUSING.
- 6. REMOVE PUMP IMPELLER FROM ADAPTER PLATE BY REMOVING NUT AND UNSCREWING(SPINNING) IMPELLER OFF OF MOTOR SHAFT.
- 7. REMOVE OLD SHAFT SEAL.
- 8. INSTALL NEW SHAFT SEAL.
- 9. REINSTALL PUMP IMPELLER INTO ADAPTER PLATE.
- 10. SLIDE MOTOR/ADAPTER PLATE ASSEMBLY BACK TO PUMP HOUSING.
- 11. REINSTALL THE FOUR PUMP HOUSING BOLTS.
- 12. REINSTALL THE TWO MOTOR MOUNTING BOLTS.
- 13. FOLLOW WASHER OPERATING INSTRUCTIONS.

PUMP SHAFT SEAL ASSEMBLY REPLACEMENT INSTRUCTIONS

Specifications Information and Repair Parts Manual

Please read and save this Repair Parts Manual. Read this manual and the General Operating Instructions carefully before attempting to assemble, install, operate or maintain the product described. Protect yourself and others by observing all safety information. The Safety Instructions are contained in the General Operating Instructions. Failure to comply with the safety instructions accompanying this product could result in personal injury and/or property damagel Retain instructions for future reference. AMT reserves the right to discontinue any model or change specifications at any time without incurring any obligation.

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AWARNING Periodic maintenance and inspection is required on all pumps to insure proper operation. Unit must be clear of debris and sediment. Inspect for leaks and loose bolts. Failure to do so voids warranty.

Self-Priming Centrifugal Pump

Refer to pump manual 1808-634-00 for General Operating and Safety Instructions.

AWARNING Make certain that the power source is disconnected before

attempting to service or disassemble any components! If the power disconnect is out of sight. lock it in the open position and tag to prevent application of power.

MECHANICAL SEAL REPLACEMENT Refer to Figures 2 and 3

IMPORTANT: Always replace both the seal seat and the seal head to insure prope mating of mechanical seal components!

NOTE: It is not necessary to remove piping from pump casing. The motor and impeller assembly are removed from back of casing

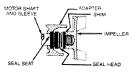


Figure 2 - Mechanical Seal Replacement

- 1. Unthread cap screws (Ref. No. 13) and remove pump casing (Ref. No. 13) 11), o-ring (Ref. No. 7), handle (Ref. No. No. 3), and base (Ref. No. 14) from adapter (Ref. No. 5).
- 2 The motor used with this pump is a 56J frame. It has a threaded shaft; impeller is screwed directly onto shaft. To unscrew the impeller (Ref. No. 10) turn counterclockwise (CCW) facing impeller.

NOTE: A screwdriver slot or two flats for use with an open end 7/16" wrench, are provided at the rear of the motor shaft (remove bearing cap for access). To hold the motor shaft from turning, either insert a large screwdriver blade into the slot or use a 7/16" wrench across the flats. 3. Remove the adapter from the motor mounting face. The seal head (Ref. No.

2851-250-00

8) and impeller shims (Ref. No. 9) will come loose at this time.

IMPORTANT: Retain impeller shims for use when reassembling unit

- Push seal seat (Ref. No. 6) from the 4. adapter recess with a screwdriver
- 5. Clean the adapter recess before inserting a new seal seat.
- Carefully wipe the ceramic surface of the new seal seat with a clean cloth. 6.
- 7. Wet the rubber portion of the seal seat with a light coating of soapy water
- Press the new seal seat squarely into 8. the cavity in the adapter. If the seal seat does not press squarely into the cavity, it can be adjusted into place by pushing on it with a piece of pipe. Always use a piece of cardboard between the pipe and seal seat to avoid scratching the seal seat. (This is a lapped surface and must be handled very carefully).
- After the seal seat is in place, insure 9. that it is clean and has not been marred.
- Using a clean cloth, wipe the shaft 10. and make certain that it is perfectly

NOTE: If removed, slide flinger washer (Ref. No. 2) onto the shaft until it is located approximately 1/8" from the face of the motor bearing hub.

- Secure the adapter on the motor mounting face. Carefully guide motor shaft through the seal seat. 11.
- Apply a light coating of soapy water to the inside rubber portion of seal 12. head and slide onto the shaft (with the sealing face first) so that the rubber portion is just up over the shaft shoulder.
- 13 Replace any impeller shims that may have been removed in disassembly (See "Shim Adjustment").
- Screw the impeller back in place, tightening until it is against the shaft 14

shoulder

Remount o-ring, casing, handle and base on the adapter. (See "Shim Adjustment" if motor or impeller was 15. replaced)

IMPORTANT: Always inspect the o-ring gasket for cracks or cuts when unit is disassembled, replace if damaged.

SHIM ADJUSTMENT:

When installing a replacement impeller (Ref. No. 10) or motor (Ref. No. 1) it may be necessary to adjust the number of shims (Ref. No. 9) to insure proper running clearance between the impeller and the casing. Proceed as follows NOTE: A proper running clearance is less

than 0.010". 1.

- 5010". For impeller replacement, add one (0.010") shim in addition to the one removed originally. For motor replacement, add two (0.010") shims in addition to the shims removed during disassembly. 2
- 3
- Reassemble the pump suing MECHANICAL SEAL REPLACEMENT for reference

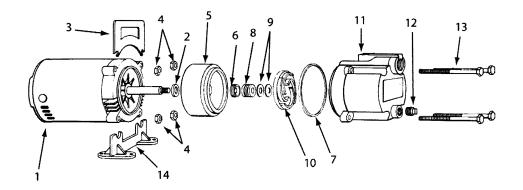
IMPORTANT: Insure that the casing is snugly in place and check the shaft to make sure it is turning freely (use the screwdriver slot in the motor to turn the shaft). If it turns freely, check to insure that the casing cover and casing are fitted "metal to metal" where "metal to metal", tighten the fasteners (Ref. No. 13) and recheck the shaft for free turning. Tighten carefully turning the shaft while tightening so that the motor bearings are not damaged in the event that too many shims were installed. If the shaft seizes before fasteners are completely tight disassemble the pump and remove one (1) shim and repeat reassembly.

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Specifications Information and Repair Parts Manual

For Repair Parts, contact dealer where pump was purchased. Por Repair Parts, contact Please provide following information: -Model number -Serial number (if any) -Part description and number as shown in parts list



Ref. No.	Description	Part No.	Qty.
1	Motor	1626-008-00	1
2	Flinger washer	1534-000-00	1
3	Handle	1515-000-00	1
4	Hex flange nut, 3/8"-16	*	4
5	Adapter	1525-000-01	1
6	†Seal seat, Viton	1640-161-91	1
7	O-ring gasket, Viton	1532-000-00	1
8	†Seal head, Viton	1640-161-91	1
9	Impeller shim (pkg. of 3)	1657-000-90	1 Pk
10	Impeller	1540-000-01	1
11	Casing	1519-000-01	1
12	Drain, 1/2" NPT pipe plug	*	1
13	Hex head cap screw, 3/8"-16 x 41/4	•	4
14	Base	1506-000-00	1

Shaft seals are factory items - please call 417-859-4842

Part No. 80137 PUMP SHAFT SEAL KIT

MAXJET WASHER WARRANTY

ONE-YEAR LIMITED WARRANTY

All MAXJET Jet Spray Washers are warranted to be free of defects in workmanship for a period of one year from date of shipping. This warranty includes all parts and the structural integrity of the cabinet.

EXCLUSIONS

Not included under warranty are normal wear parts. This may include pump seals and heat elements. Any part due to neglect, carelessness, abuse, misuse, abnormal use, tampering, or use of wrong parts will not be covered under the warranty.

LIABILITY LIMITATION

Liability for consequential or incidental damages is expressly disclaimed to the extent allowable by law. Quality Systems or the manufacturer cannot be held responsible for injury either personal or property sustained through washer operation or usage.

WARRANTY DISCLAIMER

This warranty is expressly made in lieu of any and all other warranties expressed or implied including merchantability or fitness for a particular use.

WASHER SUITABILITY

Quality Systems does not guarantee washer compliance with local, state or national codes or regulations and cannot be held responsible for application, installation or cleaning solution disposal.

RETURN AUTHORIZATION

Return authorizations are required to return parts or washer to the factory for warranty consideration. Warranty policy includes repair or replacement and is contingent upon QS factory's inspection and judgment. Defective parts and\or washers should be returned to QS factory address, which will be provided after we have been contacted and a return material authorization issued. The defective part or washer should be returned to the factory address via prepaid freight. If washer is to be returned it should be empty and the reservoir cleaned out. The unit should be palletized with cardboard and shrink-wrap protection. The washer must be secured by banding to a pallet with extra packing under the strapping to protect the washer. The RMA number and information of returning customer must accompany all parts or unit returns.

Question or to obtain a RMA Number contact Quality Systems 866-5540-7575