

EZ-TEX™ ROTORTEX™

P/N 19-200 TEXTURE SPRAYER

MODEL 1HP1L305/ 1HP1L306

2006 OWNER MANUAL



Benron Equipment and Supply, Inc.

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GENERAL DESCRIPTION

Components

Cart with, pump, hopper, and control Box.
Benron Texture Gun.(or pole gun)
Spray Tips, 1/8in, 3/16 in., 1/4 in, and 5/16 in.
50 ft , 3/4 in x 300psi Material Hose.
50 ft , 3/8 in x 200psi Air Hose.
50 ft Control Cord.
25 ft x 14 gauge Power Cord.

Specifications

Power Requirement	110 VAC, 60 Hz, 15 amp
Spray Delivery with Texture Material	2 gpm at 360 RPM
Hopper	20 Gallon capacity
Pump	Rotor Stator
Wash-Down Electric Motor	1 HP
Electric Air Compressor	11.9 CFM
Gas Power Air Compressor	24.8 CFM
Max. Pressure (PSI)	125
Run Amps @ Maximum load	5

Dimensions

Width outer wheels	24 in.
Width outer hopper	22 in.
Length from front to back of wheel	127 in.
Height from floor to handle	38 in.
Height from floor to hopper	33 in.



SAFETY PRECAUTIONS

This manual contains information which must be read and understood before using the equipment. When following instructions in the manual, pay close attention to warnings following the symbol below.

SAFETY STANDARDS

The United States Government Safety Standards have been adopted under the Occupational Safety and Health Act. These standards, particularly the General Standards, Part 1910 and Construction Standards, Part 1926, should be consulted.

Warning and Precautions.

The Rotortex sprayer designed to be operated in a dry environment, do not expose to rain, mist or streams of water, unless control box being removed.

·Warning!!! Never unplug main power cord during operation, it will damage the control box!!!

·Do not open control box in any condition this will void your warranty, in case of a problem call Benron Equipment, Customer service at 888-327-9839 for direction assistant.

·Do not use this product if ground terminal is damaged or missing.

·When using extension cord make sure it accepts a grounding wire.

Do not attempt to change or re-design the electric plug that connects to the main electric power.

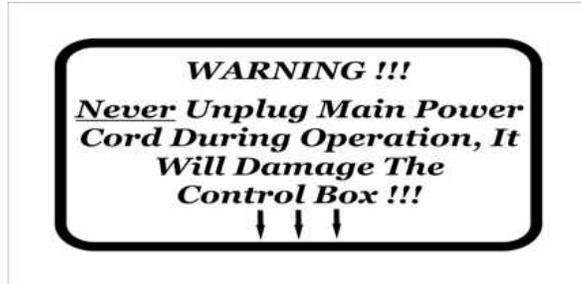
·Do not attempt to operate this unit at 220v 60hz in the USA area you will burn the control box, Use only 110v 15Amp outlet.

- Do not wash the unit with the control box hanging make sure to remove it.
- Do not attempt to change or shorten or cut the control cord from the gun switch to control box.
- Do not operate this unit in an enclosed area that contains flammable materials.
- Do not operate this unit within 30 feet of any flammable or explosive materials.
- Do not operate the unit without the belt cover, keep your hand away it may result in serious injury.
- The Rotortex sprayer is capable of high material pressure do not change hose fitting, use original hose fittings and quick connectors.
- When operating the sprayer make sure material hose is not kinked, it may cause the hose an internal tear or damage that will result in hose break down and serious injury.
- The pump uses a connecting rod in the main pump block to turn the rotor. Keep all foreign objects, hands, loose clothing or any other item from the main pump block.
- Foreign objects, loose clothing or any other item may get caught in the rod and pull the object into the main pump block. Exercise extreme caution around the hopper.

Warning:
Do Not Operate Machine With GFI Receptical.



OPERATION INSTRUCTION FOR EZ-TEX™ ROTORTEX™



Note: When using aggregated material it is highly recommended to prime the Rotortex With Benron's "Slick Tex" powder.

1. Before starting the Rotortex make sure that the unit is properly assembled. You can do so by making sure there are no missing parts and that every thing is connected in its place. (Follow instructions as indicated in Owners Manual)
2. Inspect all electrical cords and connections; they must not be damaged in anyway. The grounding terminals must not be missing. If any connectors look faulty do not use the unit until it has been replaced. It is imperative that all connectors must be in perfect working condition.
3. Before connecting material hose to sprayer and gun, make sure the **FWD/OFF/REV** switch on the control box is at **off** and the switch on the gun or pole gun is at **off position**. (The switch on the gun/pole gun must be pushed down to be in off position)
4. Rinse material hose with a dishwasher soap and water to lubricate the hose. (This will help prevent any clogs in your line)
5. Connect hoses to unit and the attached electrical cord to control box cord, make sure that the unit does not start working; if it starts working shut it down immediately!
6. Once your material has been prepared for spraying make sure that there are no foreign objects in the mix, pour material into hopper. (Materials must be prepared to manufactures specifications)
7. Next find the **Male Air Q/D** on Front Right Side of the unit connect your air compressor into it and the Air Hose that goes to the gun onto the other end. **Remember** to always Open the air valve at gun and allow air to bleed out of the spray tip before you start the flow of the material. This will prevent the material from clogging your needle and spray tip.
8. Move **FWD/OFF/REV** switch on control box to **FWD** position. Sprayer should not turn on at this point. Find the speed dial, we recommend that you start off from 5-7, you may increase to maximum speed if needed by turning it to **10**. Now **pull up** the switch on the gun, at this point the sprayer should start. (Note the switch on your gun/pole gun must be lifted or pulled up to turn on)
9. If sprayer does not start, push the switch on the gun/pole gun down and at control box switch to OFF position.
10. The following instructions will indicate how to free the pump in case it is stuck or it has not been used long enough for it to dry and it is now seized. Go to front of sprayer find Belt-Guard insert 3/4" tool provided through the round hole at center and turn the shaft to any direction this should free the pump, when you feel that it is free go back to step 6.

11. **You must always mix materials before pouring into hopper.** If any of the materials are not mixed properly it may have dry clumps that can result in bad finishes.
12. Prime hose with the material by transferring it back to hopper, make sure material is not purging. Once material is flowing through evenly adjust the speed dial to your desired setting.
13. It is always recommended that you try to spray on sample board before applying to final surface. Apply material on to surface. (**Note:** when stopping for any reason you must push down switch on gun/pole gun to stop the sprayer from delivering material. Failure to do so can build up pressure that can result in blown out hose or severe bodily injury).
14. If while spraying you notice that the material stops flowing through the hose and out of the gun. First you want to make sure sprayer is still running if it is not you must push the switch on gun/pole gun down to **off**. You may have triggered the overload and now must reset the sprayer. Go to **FWD/OFF/REV** on control box put switch to **off** position. Now put switch on **FFW** position and pull switch on gun up to start. If sprayer is still not running you must check that the pump is not stuck. You can do so by following step 10
15. When finished, stop sprayer as instructed by step 14.
16. Mix dishwasher soap and water to clean out pump and hoses, if only water is available you must turn speed dial to maximum speed, and clean hopper, pump and hoses. It is recommended that you should be as thorough as possible when cleaning the sprayer. (**Note: by doing so you will insure the sprayers longevity**)
17. Before disconnecting the hoses you must turn **FWD/OFF/REV** switch on the control to **REV** pull switch on gun/pole gun. This will work your pump in reverse resulting in the material being pulled back through the pump and hose. (**Note: do not go over 30 second with the reverse mode**). Now you can proceed with disconnecting the hoses without they're being any backpressure.
18. **Note:** When using the gas power air compressor you must open the air valve (**see picture Z**) before starting -up and before you shut it down. Failure to do so will result in damaging engine/compressor, and you will have trouble starting up engine. (**When using the gas power air compressor you must be in a well ventilated area Due to the exhaust fumes**)



Note: If pump is seized, insert tool provided to free rotor in the hole at the center of the belt guard and cover as shown below. Now turn until rotor feels free. You must remove tool before starting the sprayer.



Spraying Techniques

Spraying Orangepeel	Use 1/8" or 3/16" Spray Tips	Medium To High Air Flow.
Spraying Knockdown	Use 1/4"-5/16"-3/8" Spray Tips.	Low To Medium Air Flow.
Spraying Acoustic Ceiling	Use 5/16"-3/8" Spray tips.	Medium To High Air Flow.
Spraying Monocote Mk-6	Use 5/16"-3/8" Spray Tips.	Medium To High Air Flow.
Spraying E.I.F.S		
Fine	Use 1/8"-3/16" Spray Tips.	Medium To High Air Flow.
Medium	Use 3/16"-1/4" Spray Tips.	Medium To High Air Flow.
Coarse	Use 5/16"-3/8" Spray Tips.	Medium To High Air Flow.
Spraying Texture Coating.	See Spraying E.I.F.S. Techniques.	See Spraying E.I.F.S. Techniques.
Fine		
Medium		
Coarse		

Note; here is a helpful tip to remember. When trying to achieve a fine or lighter texture you want to use more air & less material. If you want a heavy texture, apply more material and less air.
 (The 3/8" tip is supplied only with the purchase of a pole gun.)

Trouble Shooting Guide

Problem	Possible Cause	Corrective Action
<p>Sprayer does not turn on.</p> <p style="text-align: center;"><u>Do Not Plug To GFI Electric Outlet.</u></p> <p>Sprayer turns on but material does not come out of the end of the material hose.</p>	<ol style="list-style-type: none"> 1. Check the rotor, see if it is turning. 2. Check outlet, make sure there is power. 3. Check all electrical cords & connections. 4. Check On/Off switch at the gun. 5. Look through the hole in front of the belt guard & cover, see if shaft is spinning. 6. Look through hopper to see if rod p/n 19-014 is spinning. 7. Inspect both p/n 19-012 where it connects to 19-008 & p/n 19-009 where it connects to p/n 19-014 there you will also find a p/n 19-008 make sure they are all connected in order according to specifications in owners manual. 	<ol style="list-style-type: none"> 1. Insert ¾" socket through belt cover and rotate rotor. 2. Use other electrical device to verify if possible and operate. 3. Verify that terminals pins are clean and in corresponding places. If problem persist Call Benron Equipment @ 888-327-9839 4. If shaft is turning, make sure that the control box is not in REV position on the FWD/REV switch. If shaft is not turning you want to inspect the belt to make sure it is in place, replace if needed. 5. If it is spinning, one side of the Rotor Assembly p/n 19-008 may be out of place or is broken, if needed replace p/n 19-008. (Note: refer to manual 19-012 rotor assembly) 6. If rod is spinning Check other end of part number 19-014 and be sure, that p/n 19-008 is in place.

<p>While spraying, material flow stops at the gun.</p>	<ol style="list-style-type: none"> 1. Check the spray tip for a clog. 2. Material hose is disconnected, or damaged. 3. Material hose may be kinked. 4. Inspect all electric cords, be sure they are connected properly. In case you encounter some cords that are disconnected. 	<ol style="list-style-type: none"> 1. Turn Sprayer off from switch on gun. Now close the material ball valve on the gun. Pull the trigger back and turn the tip retainer counter clockwise. Clear clog out and now return the pieces taken off. 2. Reconnect hose and replace if needed. 3. Undo the kink by straightening the hose. 4. Turn all switches off and reconnect electric cords.
<p>While spraying abrasive materials pump starts to deliver material to hose and then slows down until it stops.</p>	<ol style="list-style-type: none"> 1. Abrasive material is creating a clog in the material hose. This could be a result of aggregate separating from material as it runs through the hose creating a clog. 2. Over load, Control box in a safety mode. 	<ol style="list-style-type: none"> 1. Go to operating manual and start the unit in reverse mode. Make sure there is no pressure in your material hose. Try to locate the clog; using a rubber mallet hit the clog to loosen it. Turn the pump on going Fwd and Rev. The reason for this is to try to push the clog out, or break it down. 2. You must turn unit to off at the gun and the control box before trying to restart the sprayer.
<p>Pump pressure has dropped after prolong use of the sprayer.</p>	<ol style="list-style-type: none"> 1. Worn stator, or damaged. 	<p>Replace stator and inspect the rotor for any marks or wear.</p>

Note: If pump is seized, insert tool provided to free rotor in the hole at the center of the belt guard and cover as shown below. Now turn until rotor feels free. You must remove tool before starting the sprayer.



19-021 Control Box Instructions

How to Connect Control Box.

Make sure On/off switch is on off position and speed dial is on 0.

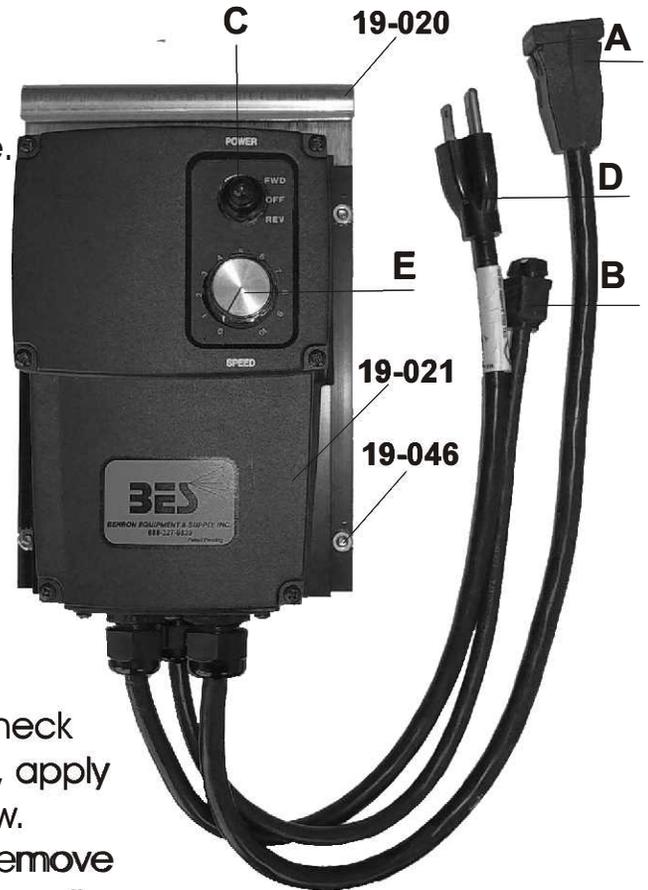
Connect cord **A** to the connection on main base. Connect cord **B** to the 50' electric control cord on the Material hose set and to pump switch on gun or pole gun, make sure switch is on off position.

Check the cord **D** for proper ground connection and plug it to a regular 15amp receptacle, or to 25' 14 gage cord supply with the sprayer. Do not attempt to use if ground connector is broken or missing.

Plug must be replaced, if fall to do so it will result with box degage, and operations malefactions.

When ready to start push switch **C** to FWD and check at the back of the belt cover if the shaft is turning, apply speed on dial **E** from 0-10 for faster material flow. You only use the REV options when you ready to remove the hose form the unit, this will allow you the release all back pressure from the hose before disconnection.

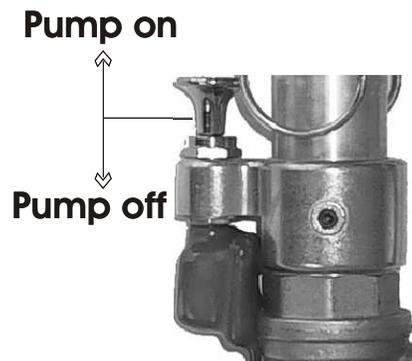
Note: Control box is removable, we highly recommended to remove control box from sprayer when washing the sprayer, and when transporting in wet weather conditions. You must store indoor to prevent control box damage.



WARNING !!!
Never Unplug Main Power Cord During Operation, It Will Damage The Control Box !!!
↓ ↓ ↓

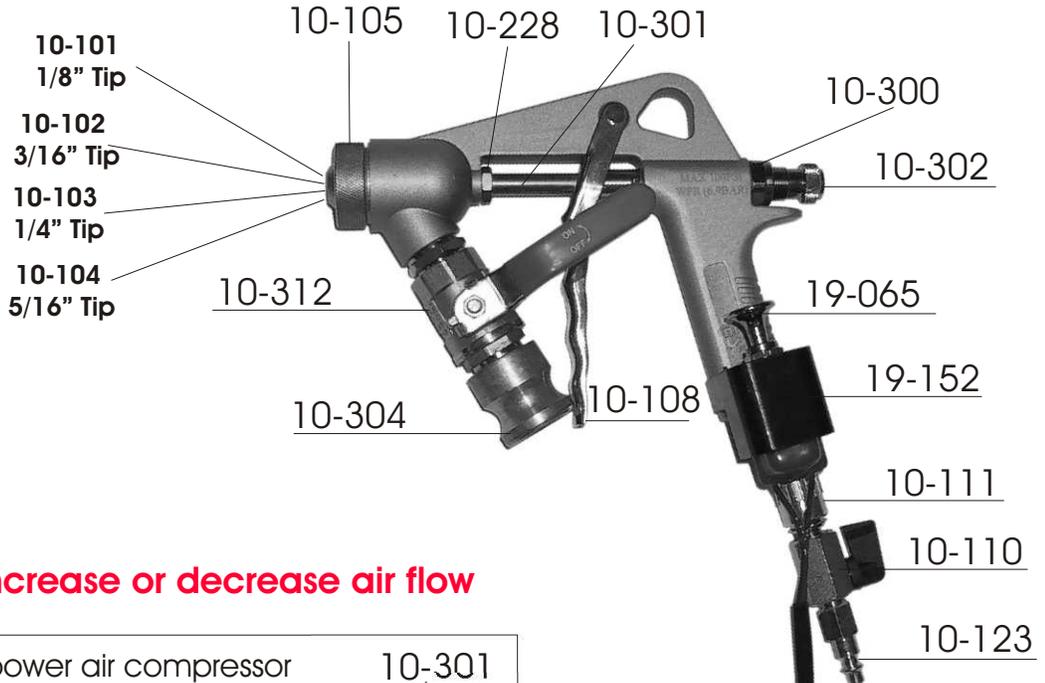
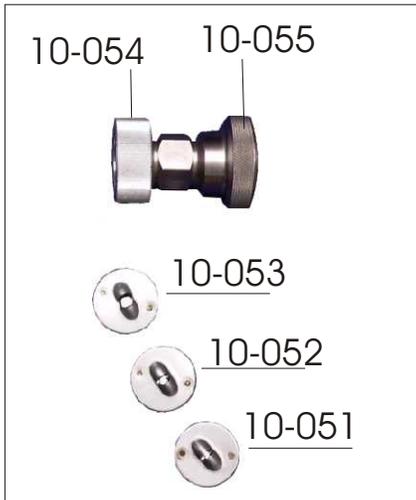
Caution: Please note that the Rotortex sprayer is capable to reach high fluid pressure. Do not attempt to open control box, all celebration is set to your safety and maximum spraying performance, open control box and setting change, can result in high fluid pressure and over lode on electric motor, which will result in serious injury. If control box do not function please call Benron Equipment At 888-327-9839

Caution: Always make sure that on/off Pump switch is at off position before connect the main box to electric outlet.



10-311/19 Trigger Gun Parts List

10-050 Fine Finish Spray Tip Kit Not Included With Gun



10-111 Turn this valve to increase or decrease air flow

Note: If using the Benron gas power air compressor you may drill the tip of the needle up to 5/32" to get more air for finer atomization.



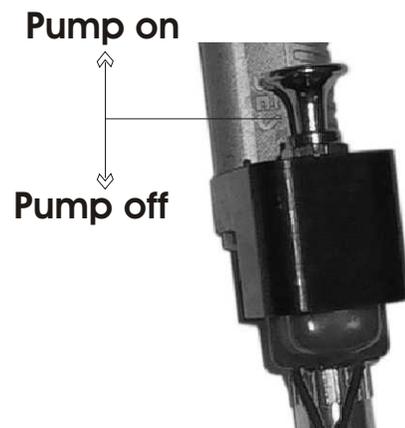
Note: If you need to switch the switch to the other side remove flat head allen screw at center of handle, and place it on other side of gun, make sure not to loss O-ring and washer.

- 19-153 O-Ring For Gun Switch
- 19-154 Cushioning Seal
- 19-059 1/4" x 1-1/4 Flat head



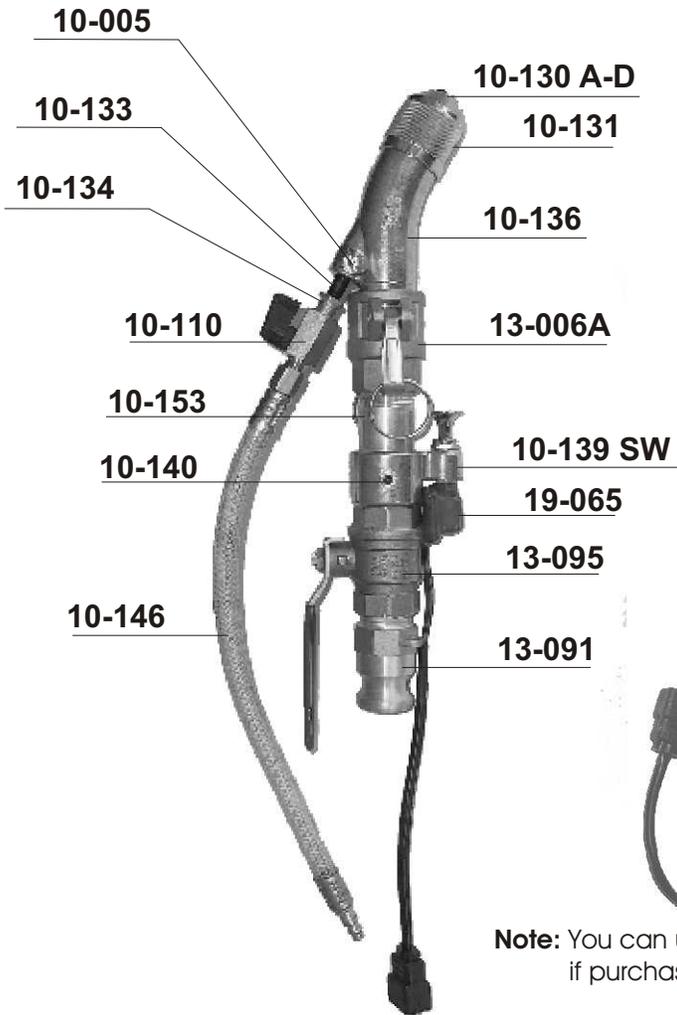
Caution: Please note that the Rotortex sprayer is capable to reach high fluid pressure. Make sure to check all fluid fitting for proper working conditions, if found a defective part you must replace it before use, defective parts can result in serious injury. Use only original manufacture parts do not modified any other way.

Caution: Always make sure that on/off Pump switch is at off position before connect the main box to electric outlet.

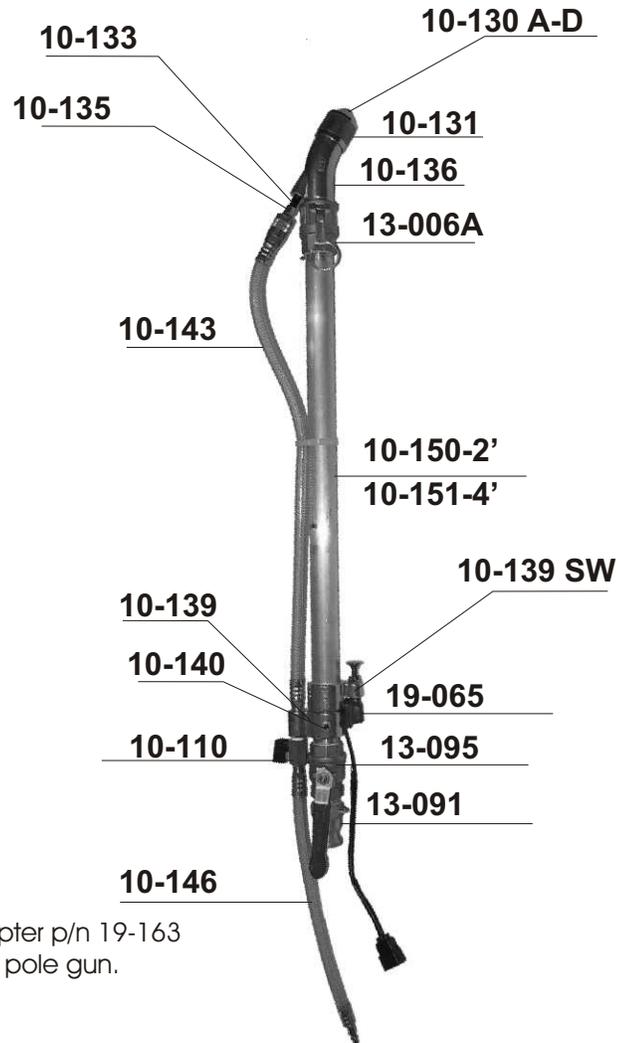


Pole Gun Parts List

10-127/19 Short Pole Gun



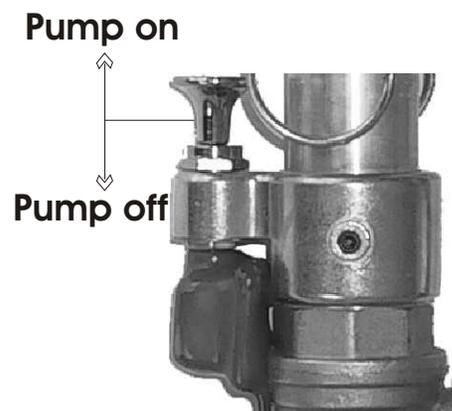
10-128/19 3' Pole Gun 10-129/19 5" Pole Gun



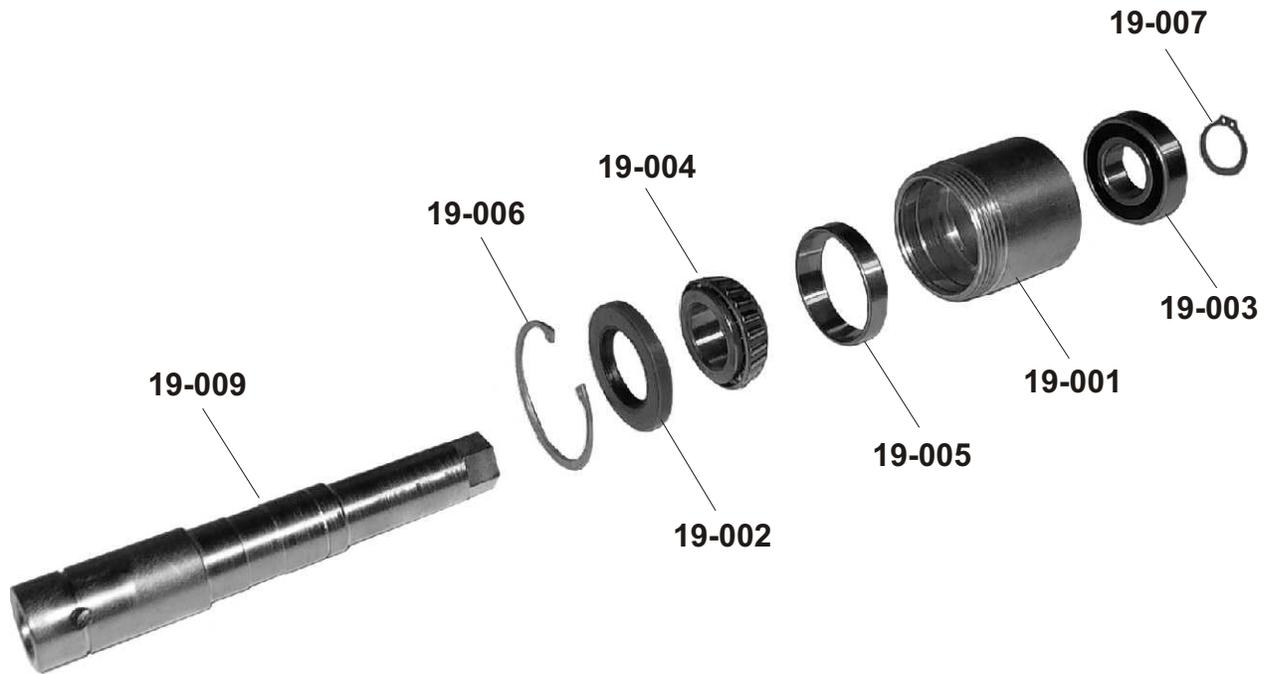
Note: You can use switch adapter p/n 19-163 if purchased the regular pole gun.

Caution: Please note that the Rotortex sprayer is capable to reach high fluid pressure. Make sure to check all fluid fitting for proper working conditions, if found a defective part you must replace it before use, defective parts can result in serious injury. Use only original manufacture parts do not modified any other way.

Caution: Always make sure that on/off Pump switch is at off position before connect the main box to electric outlet.

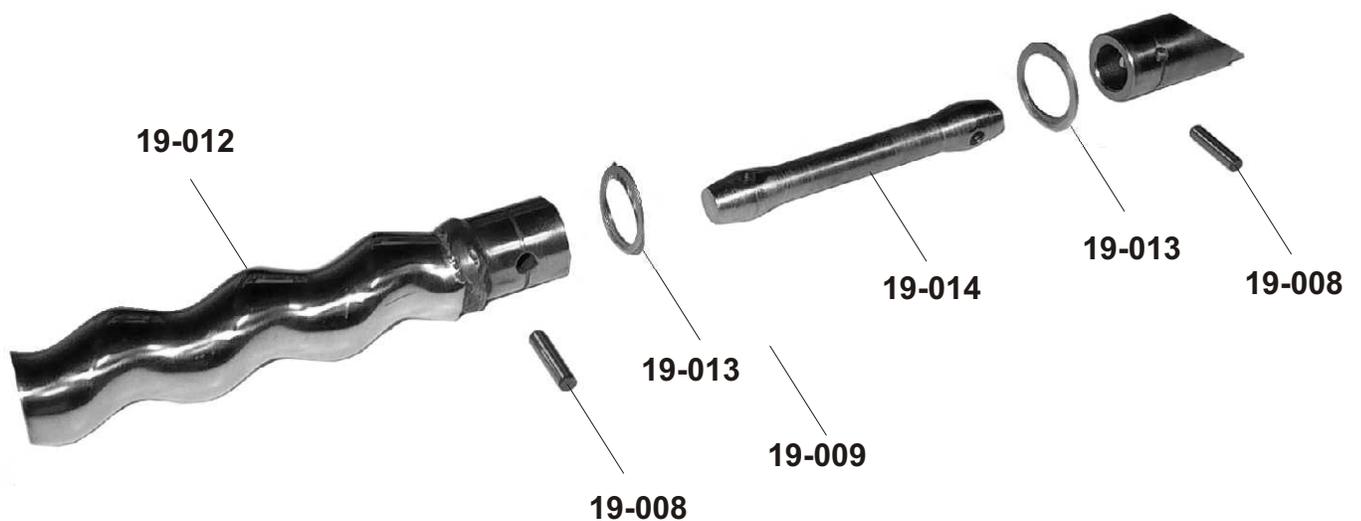


19-027 Cartridge Assembly Parts List



Note: Pack bearing with heavy duty marine grease.

19-012 Rotor Assembly To Cartridge



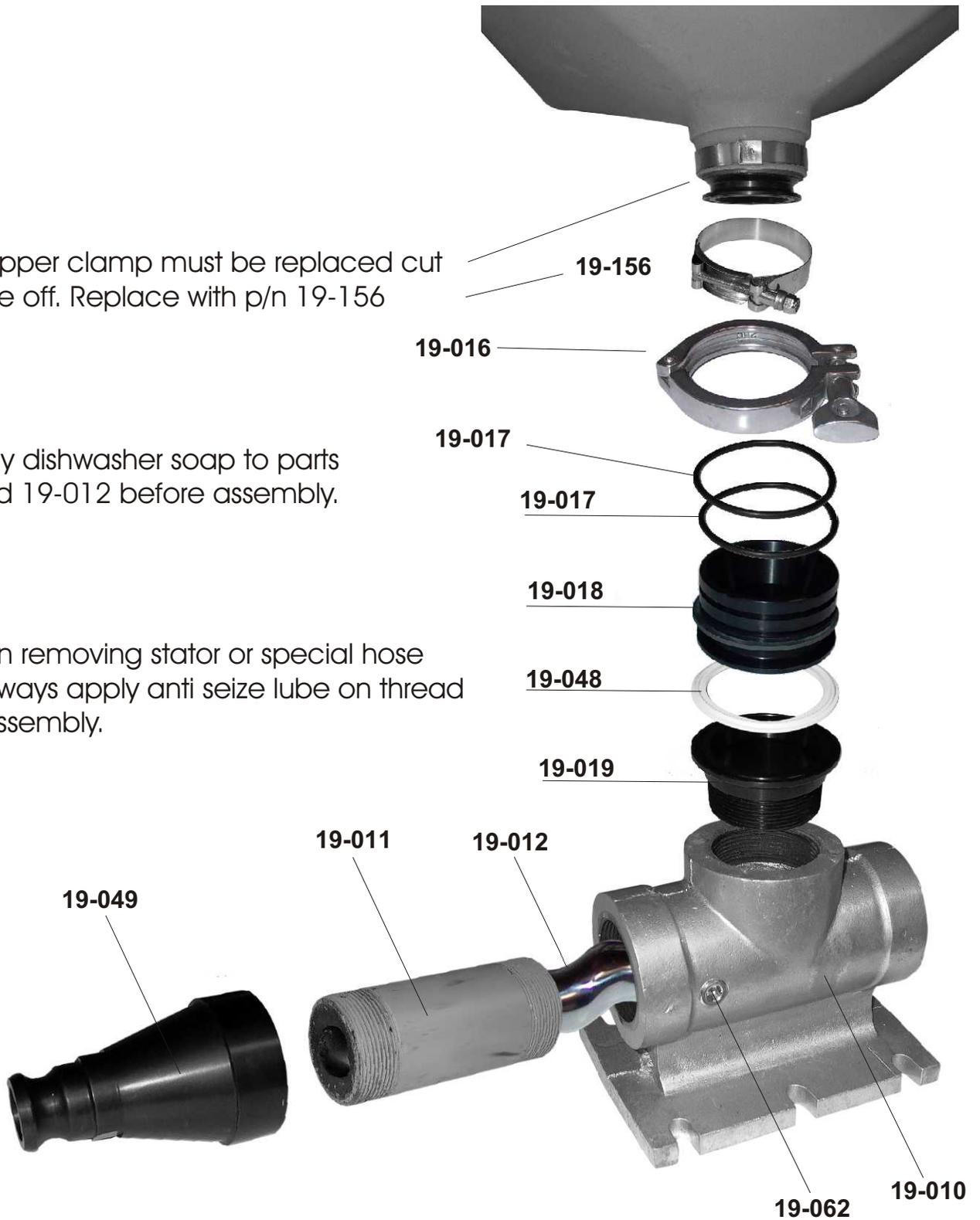
Note: Inspect parts 19-008 and 19-014 if found worn out parts must be replaced.
When removing part 19-013 you must replace with a hose clamps.

Main Block Pump Assembly

Note: If hopper clamp must be replaced cut existing one off. Replace with p/n 19-156

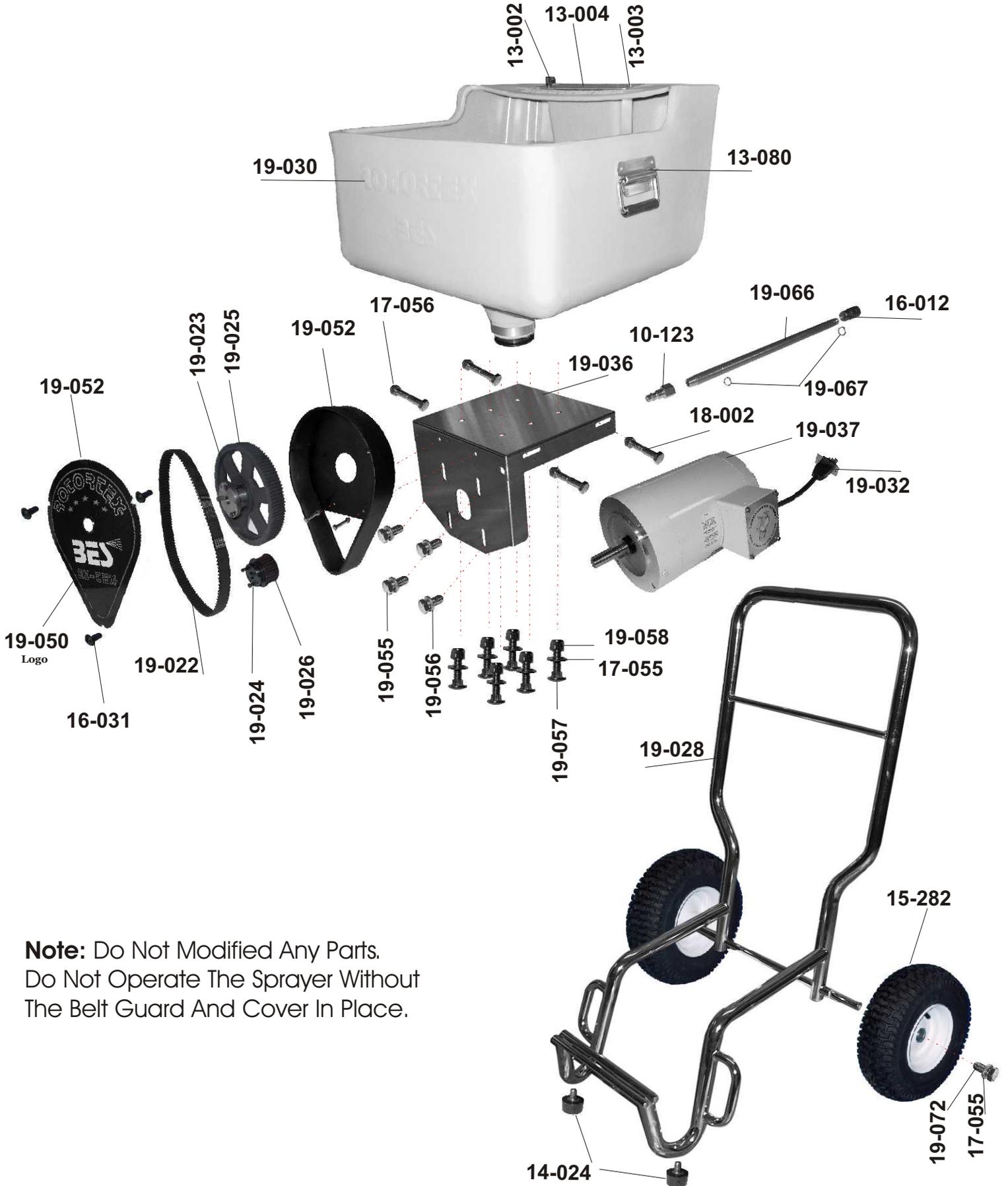
Note: Apply dishwasher soap to parts 19-011 and 19-012 before assembly.

Note: When removing stator or special hose adapter always apply anti seize lube on thread before reassembly.



Note: To remove part 19-008 you must open 19-062 from both sides and push the pin through.

Main Frame Assembly



Note: Do Not Modified Any Parts.
Do Not Operate The Sprayer Without
The Belt Guard And Cover In Place.

10-311/19 Trigger Gun Parts

10-101	1/8" tip
10-102	3/16" tip
10-103	1/4" tip
10-104	5/16" tip
10-105	Tip retainer
10-228	Needle fitting
10-301	Needle assy
10-300	Fluid control nut
10-302	Fluid control nut
19-065	Switch assy
19-152	Switch housing
19-153	O-ring
19-154	Cushioning seat
19-059	1/4" x 1/4" flat head
10-111	Air flow regulator
10-110	Air valva
10-123	Air fitting
10-108	Trigger
10-304	3/4" fluid fitting
10-312	3/4" ball valve
10-050	Fine finish spray kit
10-054	Tip retainer
10-055	Tip housing
10-053	Small tip
10-052	Medium tip
10-051	Large tip

**10-127/19, 10-128/19 And
10-129/19 Pole Gun Parts**

10-105	Thumb screw
10-133	Air needle
10-134	Adapter
10-110	Air valve
10-146	Aor hose
10-153	Tube
10-140	Set screw
13-091	Quick fitting
13-095	1' ball valve
19-065	Switch assy
10-139	Switch housing
13-006A	Quick fitting
10-136	Head
10-131	Tip retainer
10-130A	3/16" tip
10-130B	1/4" tip
10-130C	5/16" tip
10-130D	3/8" tip
10-139	Air hosse bracket
10-150	2' tube
10-151	4' tube
19-036	Switch Adapter

19-021 Control Box

19-020	Control box mounting bracket
19-046	Mounting nut
19-021	Control box assy

Main Frame Assembly

13-002	Thumb screw
13-004	Tool tray cover
13-003	Pam screw
13-080	Handle kit
19-030	20 Gallon hopper
19-050	Logo
16-031	Cap screw
19-052	Cover
19-022	Timng belt
19-023	7/8" Bushing
19-025	Big gear
19-024	5/8" Bushing
19-026	Small gear
19-055	3/8" Motor bolt
19-056	Washer
17-056	5/16" Nut
18-002	5/16" Bolt
19-057	Carriage bolt
17-055	Washer
19-058	3/8" nut
19-036	Main base support
10-123	Air fitting
19-066	Air tube
16-012	Air fitting
19-067	C clip air tube
19-037	Motor assy
19-032	Electric cord
19-028	Frame
15-282	Wheel
14-024	Bumper
19-072	5/16" bolt
19-036	Main Support

**19-027, 19-012 Cartridge
And Rotor Assembly**

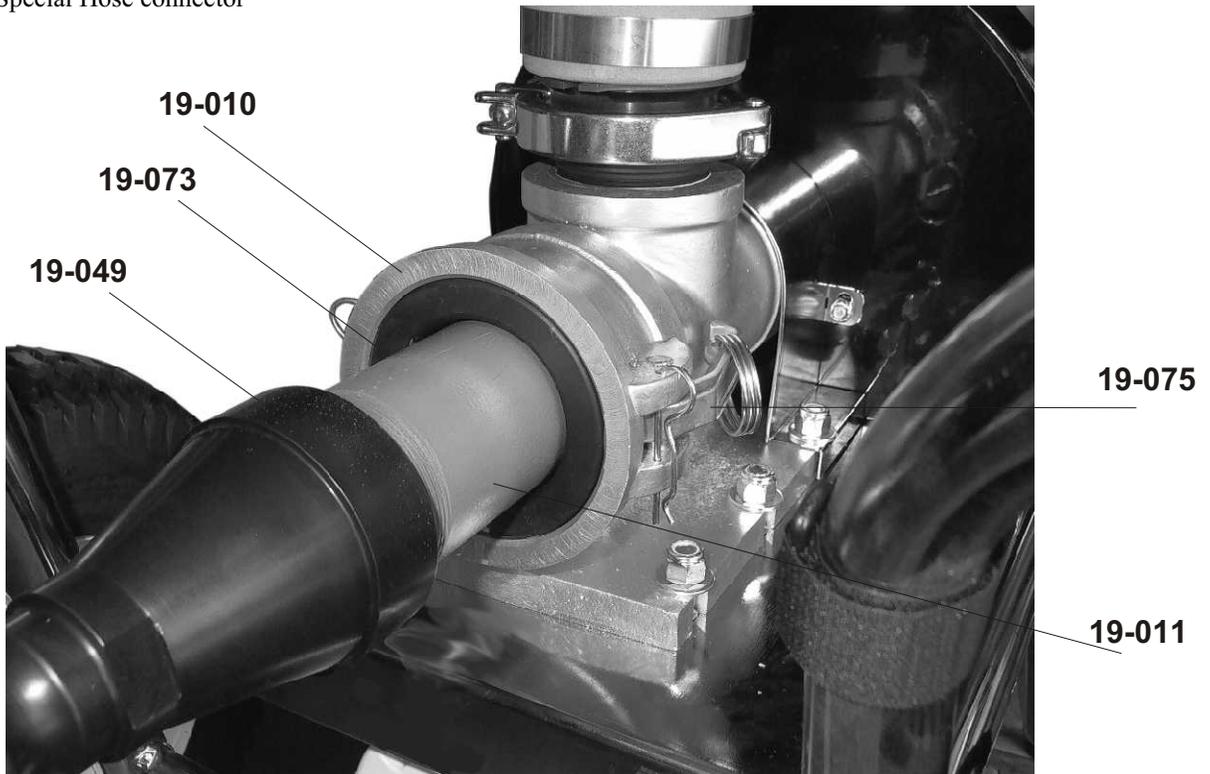
19-009	Cartridge shaft
19-006	Seal C clip
19-002	Seal C clip
19-004	Inner cone bearing
19-005	Inner bearing cup
19-001	Cartridge tube
19-003	Outer bearing
19-007	Bearing C clip
19-012	Rotor
19-008	Dowel pin
19-031	Rotor C clip
19-014	Connecting rod

**19-010 Main Block Pump
Assembly**

19-156	Replacement clamp
19-017	O-ring
19-018	Hopper upper fitting
19-048	Gasket white buna
19-019	Lower Fitting
19-010	Main block
19-062	3/8" plug
19-011	Stator
19-049	Special hose connector
19-016	S.S clang

Main Block Pump Assembly Rev 2

- 19-010 Main Support
- 19-073 Stator Quick Fitting
- 19-074 "O" Ring (Between 19-010 and 19-073)
- 19-075 Main Block Lock
- 19-011 Stator
- 19-049 Special Hose connector



Note: To remove stator for cleaning purpose, remove safety pins and open locks.
Insert tool 19-160 into center hole at the front cover.
Hold part 19-049 with adjustable wrench and then Turn tool 19-160 to allow stator to shift forward.



Rotortex Warranty

All products manufactured by Benron Equipment & Supply, Inc. are warranted to the original purchaser against defects in material and workmanship at the time of sale by an authorized Benron Equipment & Supply distributor and for a period of 12 months from date of purchase. This warranty applies only if the product is operated and maintained in accordance with Benron's written instructions.

Benron will repair or replace any part of the equipment proven defective. Repair or replacement under this warranty shall be the purchaser's sole remedy for breach of this warranty. Benron Equipment and Supply will not be responsible for any downtime resulting from breakdown or for cost of rental equipment while repairs are being made.

This warranty does not cover damage to the product resulting from improper use, accident, user's negligence, or if the product has not been operated or installed in accordance with Benron's recommendations. This warranty does not cover damages caused by service or repair performed by other than a Benron authorized repair center. Benron is not liable for incidental or consequential damages or to damages to other properties caused by use of the product in a faulty condition or manner.

Any implied warranty of merchantability or fitness for a particular purpose is limited to 90 days for professional rental use, and for One year (12 months) for professional contractor use, from date of purchase. Some states do not allow limitations on how long implied warranty lasts so above limitations may not apply to you.

If product is defective in material or workmanship during the warranty period, return it with proof of purchase to Benron Equipment & Supply, Inc. or to Benron authorized warranty service center, for verification of claimed defect. If the alleged defect is verified, Benron will repair or replace (at Benron's option) any defective parts, and will return the product, transportation prepaid. If no defects in material or workmanship are found, Benron will repair the product at a reasonable charge. Charges may include the cost of parts, labor, and freight.

One year limited warranty, excluding consumable components. The items, which are not covered, are:

Spry tips, Gun needle, Rotor and Stator, ball valves, Material hose, Air hose and control cords.

If gas or electric air compressor was purchased with sprayer it also has 1 year warranty. This warranty does not cover damage or defects caused by or related to Abrasion, Corrosion, Abuse, Misuse, Negligence, Accident, Normal wear, Faulty Installation or tampering in manner which impairs normal operation.

This warranty does not cover any burn of electrical components if proper electric cords or outlet has not been used.

15823 Stagg Street, Van Nuys, CA 91406

In USA Call: 1 (888) EASY-TEX (888 327-9839)

In California Call: (818) 787-4455

Fax: (818) 787-8866