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SALT SPREADER OWNER'S MANUAL



Owner: _____

Date Purchased: ____/____/____

Model # SASP 60,72, SASP HP 72

Serial #: _____

Revision 5: 11/2025

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PREFACE

GENERAL COMMENTS

Congratulations on the purchase of your new product! This product was carefully designed and manufactured to give you many years of dependable service. Limited maintenance (mainly cleaning and lubricating) is required to keep it in top working condition. Always observe all maintenance procedures and safety precautions in this manual. Also be aware of any safety decals located on the product and on any equipment on which the attachment is mounted.

This manual has been designed to help you do a better, safer job. Read this manual carefully and become familiar with its contents.



WARNING: Never allow anyone to operate this unit without reading the “Safety Precautions” and “Operating Instructions” sections of this manual.

When parking the machine, always choose hard level ground and set the parking brake prior to exiting the machine so the unit cannot roll.

Unless noted otherwise, right and left sides are determined from the operator’s control position when facing forward.

NOTE: The illustrations and data used in this manual were current (according to the information available to us) at the time of printing, however, we reserve the right to redesign and change the attachment as may be necessary without notification.

BEFORE OPERATION

The primary responsibility for safety with this equipment falls to the operator. Make sure the equipment is operated only by trained individuals that have read and understand this manual. If there is any portion of this manual or function you do not understand, contact your local authorized dealer or the manufacturer to obtain further assistance. Keep this manual available for reference. Provide the manual to any new owners and/or operators.

SAFETY ALERT SYMBOL



WARNING: This is the “Safety Alert Symbol” used by this industry. This symbol is used to warn of potential hazards that can cause serious injury or death. Be sure to read all warnings carefully, they are included for your safety and for the safety of others working with you.

PARTS AND SERVICE

Use only manufacturer replacement parts. Aftermarket or substitute parts may not meet the required standards.

Record the model number of your unit on the cover of this manual. This will assist our parts department to insure that you receive the proper parts for your particular product.

SOUND AND SERVICE

Sound pressure levels and vibration data for this attachment are influenced by many different parameters: some items are listed below (not inclusive):

- prime mover type, age, condition, with or without cab enclosure and configuration
- operator training, behavior, stress level
- job site organization, working material condition, environment

Based on the uncertainty of the prime mover, operator, and job site, it is not possible to get precise machine and operator sound pressure levels or vibration levels for this attachment.

SAFETY STATEMENT



THIS SYMBOL BY ITSELF OR WITH THE WORD “WARNING” IN THIS MANUAL IS USED TO CALL YOUR ATTENTION TO INSTRUCTIONS THAT ARE VITAL TO YOUR PERSONAL SAFETY OR THE SAFETY OF OTHERS. FAILURE TO FOLLOW THESE INSTRUCTIONS CAN RESULT IN INJURY OR DEATH.



DANGER

THIS SIGNAL WORD INDICATES A HAZARDOUS SITUATION WHICH, IF NOT AVOIDED, WILL RESULT IN DEATH OR SERIOUS INJURY.



WARNING

THIS SIGNAL WORD INDICATES A HAZARDOUS SITUATION WHICH, IF NOT AVOIDED, WILL RESULT IN DEATH OR SERIOUS INJURY.



CAUTION

THIS SIGNAL WORD INDICATES A HAZARDOUS SITUATION WHICH, IF NOT AVOIDED, COULD RESULT IN MINOR OR MODERATE INJURY.

NOTICE

THIS SIGNAL WORD INDICATES A HAZARDOUS SITUATION WHICH, IF NOT AVOIDED, COULD RESULT IN MINOR OR MODERATE INJURY.

GENERAL SAFETY PRECAUTIONS

WARNING!



READ MANUAL PRIOR TO INSTALLATION

Improper installation, operation, or maintenance of this equipment could result in serious injury or death. Operators and maintenance personnel should read this manual, as well as all manuals related to this equipment and the prime mover thoroughly before beginning installation, operation, or maintenance. **FOLLOW ALL SAFETY INSTRUCTIONS IN THIS MANUAL.**



READ AND UNDERSTAND ALL SAFETY STATEMENTS

Read all safety decals and safety statements in all manuals prior to operating or working on this equipment. Know and obey all OSHA regulations, local laws, and other professional guidelines for your operation. Know and follow best work practices when assembling, maintaining, repairing, mounting, removing, or operating this equipment.



KNOW YOUR EQUIPMENT

Know your equipment's capabilities, dimensions, and operations before operating. Visually inspect your equipment before you start, and never operate equipment that is not in proper working order with all safety devices intact. Check all hardware to ensure it is tight. Make certain that all locking pins, latches, and connection devices are properly installed and secured. Remove and replace any damaged, fatigued, or excessively worn parts. Make certain all safety decals are in place and are legible. Keep decals clean, and replace them if they become worn or hard to read.

Contact Berlon or your dealer if you need to replace decals.

GENERAL SAFETY PRECAUTIONS

WARNING!



DO NOT MODIFY MACHINE OR ATTACHMENTS

Modifications of the attachment may weaken the structural integrity or impair the function, life expectancy, performance or safety of the attachment. If repairs are needed use only the manufacturer's original parts following manufacturer's instructions.

WARNING!



LOWER OR SUPPORT RAISED EQUIPMENT

Do not work under raised booms without supporting them. Do not use support material made of concrete blocks, logs, buckets, barrels, or any other material that could suddenly collapse or shift positions. Make sure support material is solid, not decayed, warped, twisted, or tapered. Lower booms to ground level or on solid material. Lower booms and attachments to the ground before leaving the cab or operator's station.

WARNING!



PROTECT AGAINST FLYING DEBRIS

Always wear proper safety glasses, goggles, or a face shield when driving pins in or out, or when any operation causes dust, flying debris, or any other hazardous material.

WARNING!



USE CAUTION WITH HYDRAULIC FLUID PRESSURE

Hydraulic fluid under pressure can penetrate the skin causing serious injury or death. Leaks under pressure may not be visible. Before connecting or disconnecting hydraulic hoses, read your prime mover's operator manual for instructions on connecting, disconnecting, and inspecting hydraulic hoses and fittings.

- Keep unprotected body parts as far away as possible from a leak.
- Wear safety glasses or face shield, gloves, and protective clothing covering arms and legs when searching for and repairing hydraulic leaks.
- Use a piece of wood, cardboard or similar to search for leaks instead of feeling or looking for it with your hands.
- If injured by hydraulic fluid, see medical assistance immediately. Skin or flesh injected with hydraulic fluid can quickly become septic or cause disabilities.

WARNING!



SAFELY MAINTAIN AND REPAIR EQUIPMENT

- Do not wear loose clothing or any accessories that can catch in moving parts. If you have long hair, cover or secure it so that it does not become entangled in the equipment.
- Work on a level surface in a well-lit area.
- Use properly grounded electrical outlets and tools.
- Use the correct tools for the job at hand. Make sure they are in good condition for the task required.
- Wear the protective equipment specified by the tool manufacturer.

GENERAL SAFETY PRECAUTIONS

WARNING!



END OF LIFE DISPOSAL

Upon completion of the useful life of the unit, drain all fluids and dismantle by separating the different materials (metals, rubber, plastic, etc.). Follow all local, state, and federal regulations for recycling as well as for disposal of fluids.

EXPOSURE TO CRYSTALLINE SILICA DUST

It is recommended to use dust suppression, dust collection and personal protective equipment during the operation of any attachment that may cause high levels of dust (sweeping, grinding, etc.).

CALIFORNIA PROP 65 WARNING

This product may contain a chemical known to the state of California to cause cancer, birth defects or other reproductive harm. www.p65warnings.ca.gov

WARNING!



SAFELY OPERATE EQUIPMENT

Do not operate equipment until you are completely trained by a qualified operator in how to use the controls, know its capabilities, dimensions, and all safety requirements. See your machine's manual for these instructions.

- Keep all step plates, grab bars, pedals, and controls free of dirt, grease, debris, and oil.
- Never allow anyone to be around the equipment when it is operating.
- Do not allow riders on the attachment or the prime mover.
- Do not operate the equipment from anywhere other than the correct operator's position.
- Never leave equipment unattended with the engine running, or with this attachment in a raised position.
- Do not alter or remove any safety feature from the prime mover or this attachment.
- Know your work site safety rules as well as traffic rules and flow. When in doubt on any safety issue, contact your supervisor or safety coordinator for an explanation.

EQUIPMENT SAFETY PRECAUTIONS

WARNING!



WATCH OUT FOR UTILITIES

Observe overhead electrical and other utility lines. Be sure equipment will clear them. When digging, call your local utilities for location of buried utility lines, gas, water, and sewer, as well as, any other hazard you may encounter.

WARNING!



OPERATING THE SALT SPREADER

- Do not exceed the lifting capacity of your prime mover.
- Operate only from the operator's station.
- When traveling on rough terrain, reduce speed to avoid "bouncing". Loss of steering may result.
- When operating on slopes, drive up and down, not across. Avoid steep hillside operation, which could cause the prime mover to overturn.
- Reduce speed when driving over rough terrain, on a slope, or turning, to avoid overturning the vehicle.
- An operator must not use drugs or alcohol, which can change his or her alertness or coordination. An operator taking prescription or over-the-counter drugs should seek medical advice on whether or not he or she can safely operate equipment.
- Before exiting the prime mover, lower the attachment to the ground, apply the brakes, turn off the prime mover's engine and remove the key.
- Never lift the lowest portion of the attachment plate higher than 5 feet above the ground.
- Do not lock the auxiliary hydraulics of your prime mover in the "ON" position.
- Do not use the top of this product as a step. Under certain conditions - this area can be slippery.

WARNING!



TRANSPORTING THE SALT SPREADER

- When transporting on a trailer: Secure attachment using tie down accessories that are capable of maintaining attachment stability.
- When driving on public roads use safety lights, reflectors, Slow Moving Vehicle signs etc., to prevent accidents. Check local government regulations that may affect you.
- Do not drive close to ditches, excavations, etc., cave in could result causing serious injury or death.

INSTALLATION AND OPERATION

ATTACHING

Install attachment by following the instructions in your loader operator's manual for installation of an attachment. Two hydraulic hoses will need to be connected to the loader's hydraulic remote valve.

WARNING!



MAKE SURE THAT THE ATTACHMENT IS SECURELY LATCHED TO THE ATTACHMENT MECHANISM OF YOUR LOADER. FAILURE TO DO SO COULD RESULT IN ATTACHMENT SEPARATION WHICH COULD LEAD TO SERIOUS INJURY OR DEATH.

DETACHING

With your machine on level ground, lower the arms of the loader making sure that the attachment is on the ground. Follow the loader operator's manual instructions for removing an attachment.

OPERATION

- Run the loader's engine at idle to engage the hydraulic motor that drive's the auger. Make sure the auger is turning the correct direction where it auger's salt out the discharge chute and spinner motor is turning spinner in correct direction dispensing properly.
- Increase engine rpm to desired operating speed.
- Move forward at desired speed that allows for desired coverage.
- Raise the attachment to achieve desired spread width.
- Raise the attachment when backing up.
- When bucket is empty tip bucket forward to allow cutting edge to touch ground and drive forward to pile of material to fill bucket.
- Reduce rpm to idle before disengaging remote hydraulic motor.

ADJUSTMENTS

- The chute can be adjusted to increase or decrease the amount of salt be dispensed.
- Slide handle right or left to increase or decrease flow of material.



MAINTENANCE

GREASE

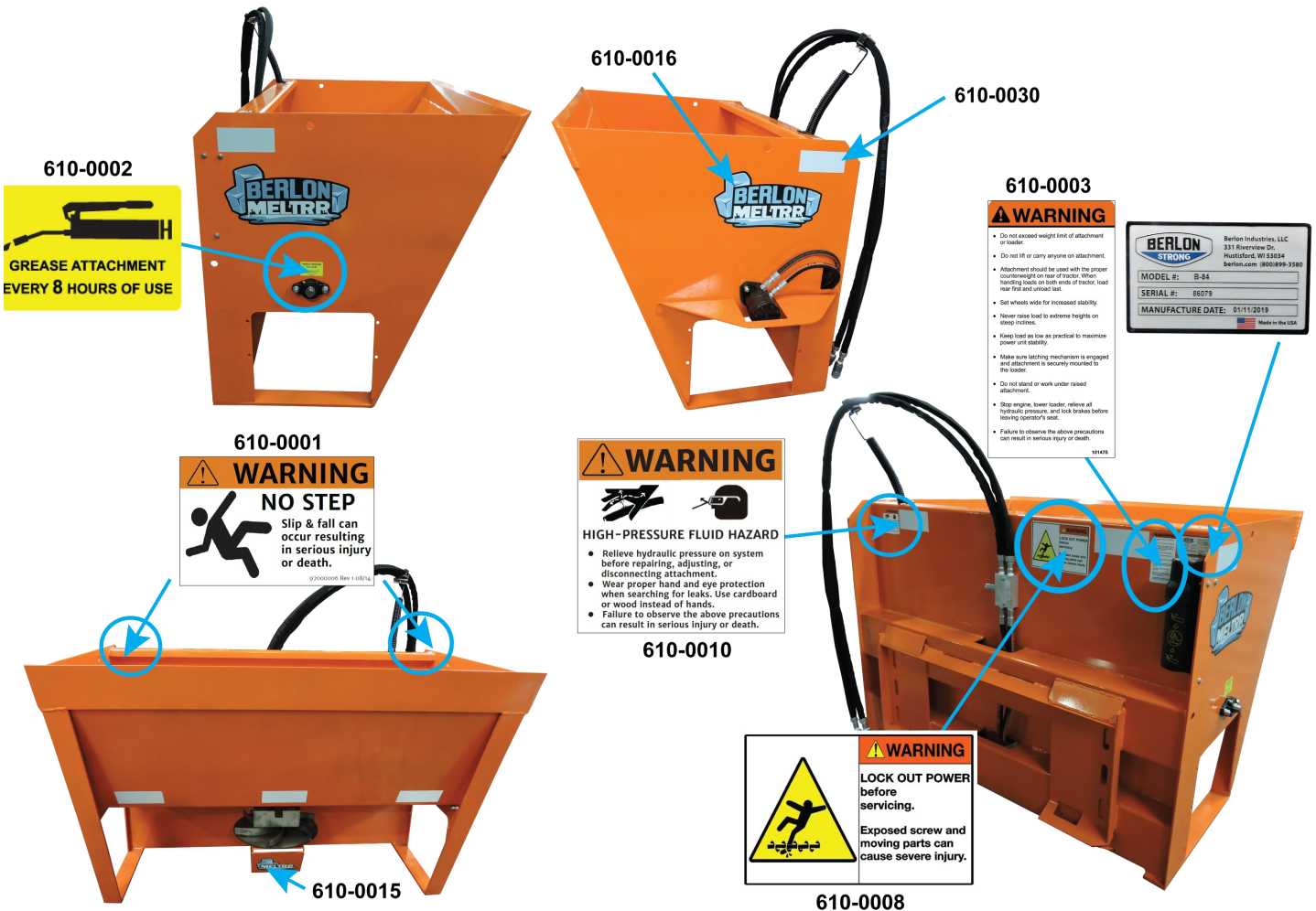
Regular maintenance includes the greasing of the machine in one location. Location in the picture below shows the grease fitting for the end auger shaft bearing.



DECALS

IMPORTANT: Keep all safety decals clean and legible. Replace all missing, illegible, or damaged safety decals. When replacing parts with safety decals attached, the safety decals must also be replaced. Safety decals are available, free of charge, from your local dealer or Berlon Industries, LLC (branding or graphics decals available for purchase).

REPLACING SAFETY DECALS: Clean the area of application with nonflammable solvent, then wash the same area with soap and water. Allow the surface to fully dry. Remove the backing from the safety decal, exposing the adhesive surface. Apply the safety decal to the position shown in the diagram above and smooth out any bubbles.

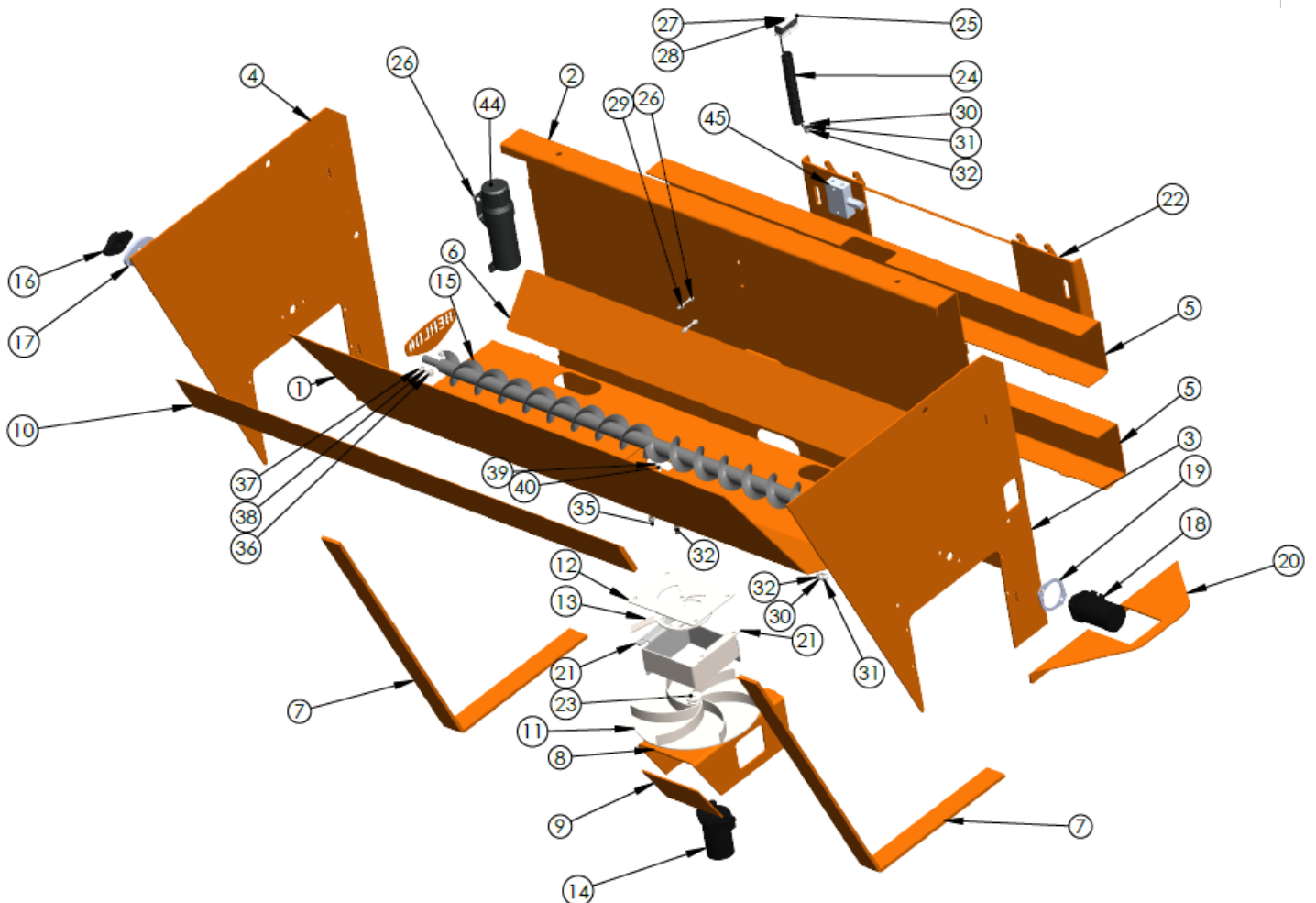


REPLACEMENT PARTS

SASP 60", 72"

ITEM	PART # 60"	PART # 72"	DESCRIPTION	QTY.
1	103-1046	103-1047	Body	1
2	103-1038	103-1039	BACK PLATE	1
3	103-1051	103-1051	LEFT END PLATE	1
4	103-1052	103-1052	RIGHT END PLATE	1
5	103-1036	103-1037	OUTSIDE REIN	2
6	103-1064	103-1065	INSIDE PLATE	1
7	103-1041	103-1041	SHOE	2
8	103-1043	103-1043	LOWER MOTOR COVER PLATE	1
9	103-1050	103-1050	LOWER MOTOR SKID PLATE	1
10	101-4201	101-4202	CE .5X6 W/O HOLES	1
11	103-1055	103-1055	SPINNER 16" ASSEMBLY	1
12	103-1063	103-1063	GATE	1
13	103-1042	103-1042	SPINNER GATE	1
14	580-1205	580-1205	SPINNER MOTOR	1
15	103-1060	103-1061	AUGER ASSEMBLY	1
16	510-0107	510-0107	MOUNTED BEARING, 2 HOLE	1
17	103-1062	103-1062	BEARING END SPACER	1
18	580-1200	580-1200	AUGER MOTOR	1
19	103-1048	103-1048	AUGER MOTOR SPACER	1
20	103-1040	103-1040	AUGER MOTOR GUARD	1
21	103-1045	103-1045	SPREADER CHUTE B	2
22	MPUF-1	MPUF-1 MD	MPUF-1 MOUNT	1
23	103-1066	103-1066	SPINNER WASHER	1
24	570-0009	570-0009	Hose Saver Spring	1

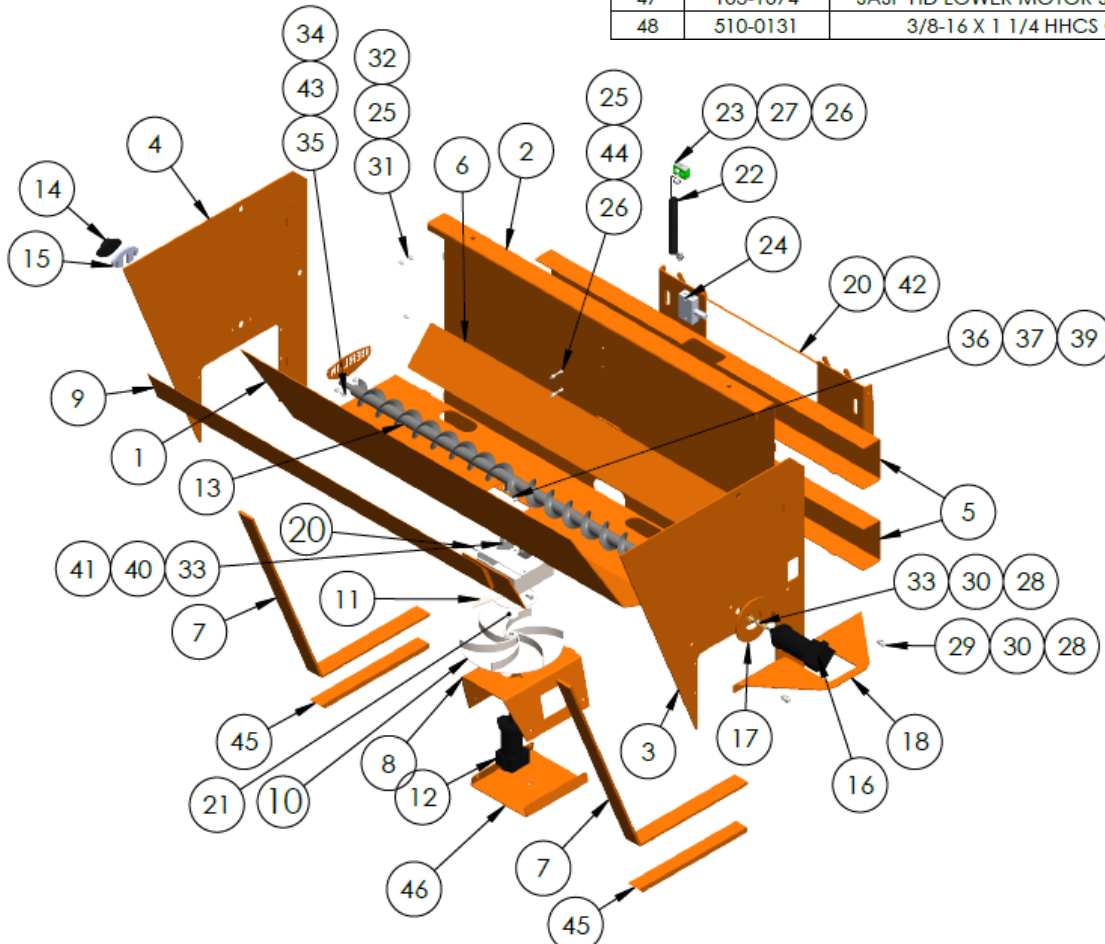
ITEM	PART # 60"	PART # 72"	DESCRIPTION	QTY.
25	570-0100	570-0100	HOSE CLAMP - DOUBLE 3/8"	1
26	510-0306	510-0306	5/16 SAE FW	13
27	510-0102	510-0102	5/16-18 X 2.5 HHCS GR2	3
28	510-0407	510-0407	5/16 LW GR5 ZINC PLATED	1
29	510-0201	510-0201	5/16-18 FHN G5 ZP	2
30	510-0300	510-0300	1/2 SAE FW	10
31	510-0013	510-0013	1/2-13 x 1.5 HHCS GR5	3
32	510-0220	510-0220	1/2-13 NYLOCK	7
33	510-0113	510-0113	1/4-20 x 1 HHCS GR2 ZP	3
34	510-0063	510-0063	1/4-20 NYLOC NUT	3
35	510-0110	510-0110	1/2-13 X 2 HHCS ZINC PLATED	4
36	510-0214	510-0214	7/16-14 NYLOCK ZP	2
37	510-0150	510-0150	7/16-14 X 2 HHCS GR5 ZP	2
38	510-0504	510-0159	3/8-16 x 1.25 CARRIAGE BOLT SS	5
39	510-0064	510-0064	3/8-16 NYLOCK SS	5
40	510-0310	510-0310	3/8 SAE SS FW	4
41	510-0143	510-0143	1/4-20 X 2 HHCS SS	1
42	510-0405	510-0405	1/4 LW SS	3
43	510-0054	510-0054	MANUAL CANISTER	1
44	570-1606	570-1606	CUSHION BLOCK	1
45	101-0007	101-0007	GUSSET 2	2
46	103-0007	103-0007	MIFC BERLON LOGO	1
47	510-0304	510-0304	7/16 FW ZP	4



REPLACEMENT PARTS

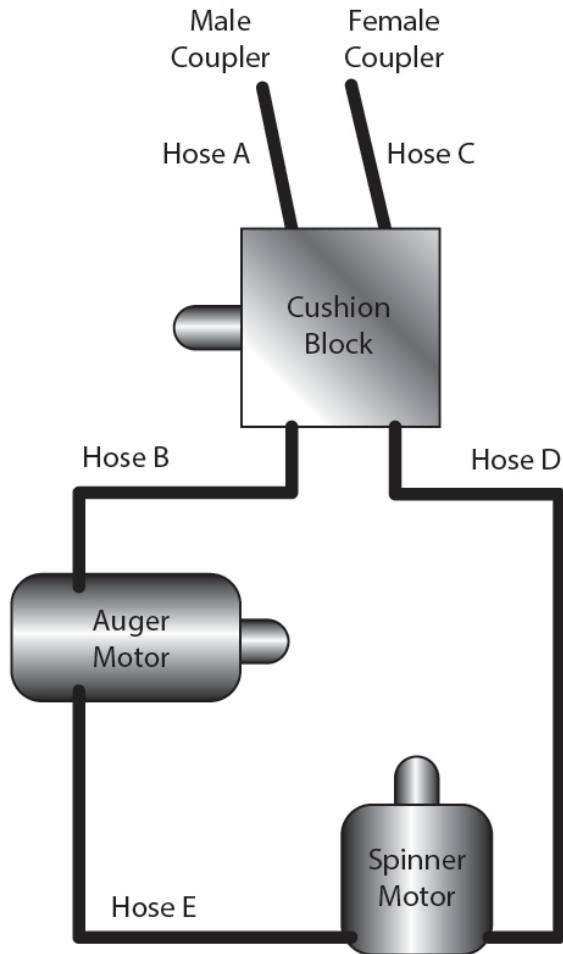
ITEM	PART #	DESCRIPTION	QTY.
1	103-1047	BODY	1
2	103-1039	BACK PLATE 72"	1
3	103-1051	LEFT END PLATE	1
4	103-1052	RIGHT END PLATE	1
5	103-1037	OUTSIDE REIN 72	2
6	103-1065	INSIDE PLATE 72"	1
7	103-1041	BAR-FLAT 1/2"X3" X 20'	2
8	103-1069	LOWER MOTOR COVER PLATE	1
9	101-4203	CE 3/4 X 6 X 73	1
10	103-1055	SPINNER 16" ASSEMBLY	1
11	103-1042	SPINNER GATE CONTROL	1
12	580-1230	HD SPINNER MOTOR	1
13	103-1061	AUGER ASSEMBLY 72"	1
14	510-0107	MOUNTED BEARING, 2 HOLE	1
15	103-1062	BEARING END SPACER	1
16	580-1220	HD AUGER MOTOR	1
17	103-1067	HD AUGER MOTOR SPACER	1
18	103-1068	HD AUGER MOTOR GUARD	1
19	103-1073	SASP CHUTE WELDMENT	1
20	MPUF-1 MD	MPUF-1 MD	1

ITEM	PART #	DESCRIPTION	QTY.
21	103-1066	SPINNER WASHER	1
22	570-0009	HOSE SAVER SPRING	1
23	570-2504	CLAMP,HOSE .875 OD,W/ WELD PLATE	1
24	570-1606	CUSHION BLOCK	1
25	510-0306	5/16 SAE FW	13
26	510-0102	5/16-18 X 2.5 HHCS GR2	3
27	510-0407	5/16 LW GR5 ZINC PLATED	1
28	510-0300	WASH,FLAT,SAE,1/2,ZC	10
29	510-0013	1/2-13 X 1.5 HHCS GR5	3
30	510-0220	NUT,HEX,NYLK .50-13,G2,ZC	7
31	510-0113	1/4-20 X 1 HHCS GR2 ZP	3
32	510-0063	NUT,HEX,NYLK .250-20,G2,ZC	3
33	510-0110	1/2-13 X 2 HHCS ZINC PLATED	4
34	510-0304	7/16 FW ZP	4
35	510-0150	7/16-14 X 2 HHCS GR5 ZP	2
36	510-0159	3/8-16 X 1.25 CARRIAGE BOLT SS	5
37	510-0064	NUT,HEX,NYLOCK,.375-16,G18-8,SS	5
38	510-0310	WASH,FLAT,3/8,GP,ZC	8
39	510-0143	SCREW,HEX,1/4-20X2.0,SS	1
40	510-0405	1/4 MSLW SS	3
41	101-0007	GUSSET 2	2
42	103-0007	BERLON LOGO,9.5	1
43	510-0214	7/16-14 FHN ZP	2
44	510-0201	5/16-18 FHN G5 ZP	2
45	103-1071	SASP HD RUNNER	2
46	103-1072	SASP HD LOWER COVER WELDMENT	1
47	103-1074	SASP HD LOWER MOTOR SKID PLATE	1
48	510-0131	3/8-16 X 1 1/4 HHCS GR 5	4



SALT/SAND SPREADER

HYDRAULIC HOSE DIAGRAM



ASSEMBLY HARDWARE (ALSO LISTED IN BOM)		
PART #	DESCRIPTION	QTY
SPINNER MOTOR		
510-0110	1/2-13 X 2" HHCS	2
510-0300	1/2" FW	2
510-0220	1/2" NYLOC NUT	2
SPINNER IMPELLER		
510-0143	1/4-20 X 2" SS HHCS	1
510-0405	1/4" SS LW	3
103-1066	SPINNER WASHER	1
AUGER MOTOR		
510-0110	1/2-13 X 2" HHCS	2
510-0300	1/2" FW	2
510-0220	1/2" NYLOC NUT	2
AUGER BEARING		
510-0150	7/16-14 X 2" HHCS	2
510-0304	7/16" FW	4
510-0214	7/16-14 NYLOC NUT	2
AUGER MOTOR GUARD		
510-0109	1/2-13 X 1.5" HHCS	2
510-0300	1/2 FW	4
510-0220	1/2" NYLOC NUT	2

1/2" HOSE PARTS LIST 60" & 72" SASP, 72" SASP HF						
HOSE #	LENGTH	END 1	END 2	COUPLER	ADAPTER 1	ADAPTER 2
A	106"	570-0106 (8PS8)	570-2439 (8MB8)	570-0021 (MALE 90)		
B	63"	570-0106 (8PS8)	570-0013 (8FJ8)		570-0107 (10 SAE - 8 JIC)	
C	103"	570-0106 (8PS8)	570-2439 (8MB8)	570-0020 (FEMALE 90)		
D	29"	570-0106 (8PS8)	570-0013 (8FJ8)		570-0107 (10 SAE - 8 JIC)	
E	68"	570-0013 (8FJ8)	570-0013 (8FJ8)		570-0107 (10 SAE - 8 JIC)	570-0107 (10 SAE - 8 JIC)

WARRANTY

MANUFACTURER'S LIMITED WARRANTY

Berlon Industries' manufactured products are warranted to the original purchaser. To provide you with the most current warranty information, Berlon Industries' Warranty, Warranty Claim Form are located on the Berlon Industries website: www.berlon.com/warranty.

PRODUCT REGISTRATION

REGISTERING BERLON PRODUCT

Upon receipt of your Berlon Industries product please register it online:
www.berlon.com/product-registration.

Be sure to have the product's model name and serial number which is found on the serial tag located on the back of the product. Information entered is solely for warranty usage only, is kept confidential, and is not shared with any other parties.