



WATER TRUCK MANUAL





Congratulations on purchasing a VALEW quality water truck. Your truck was designed with the highest quality materials and equipment. Many of the manufacturer warranties exceed Valew's warranty.

Included in this owner's manual are all of the manufacturer installation, operation and maintenance instructions. This will help familiarize you with your new truck, and help to ensure a long work life.

Many components on your new body require periodic maintenance such as inspection and adjustments. It is our desire that your new water truck will provide you with years of trouble-free service.

Thank you

VALEW Welding and Fabrication

Corporate office
11746 Mariposa Road
Hesperia, California 92345

Plant
12522 Violet Road
Adelanto, California. 92301

844-208-2539
support@valew.com
www.valew.com

CAUTION: READ BEFORE OPERATING

TANK SYSTEM OPERATION

- Read and understand all manuals provided
- Make pre-inspection of all legal lights and equipment
- Always follow legal load limits
- Never operate vehicle on uneven ground
- Never adjust sprays while truck is running or in motion
- Check all sprays before operating tank system to ensure proper installation
- Spray water only in a clear safe location away from other traffic or personnel
- Always follow OSHA guidelines when servicing or operating vehicle
- Spray only in low gear at a safe speed for the conditions at your job site
- Always depress clutch to engage PTO - never attempt to engage PTO system outside of truck
- Always disengage PTO when parked or when not in use
- Follow proper lock out tag out procedures when servicing tank system
- Never service truck or tank while engine is running, always follow proper parking procedures
- Service by a qualified mechanic only
- Only operate pump and PTO system from inside cab from drivers position
- Fill tank with water only - no pesticides or fuel
- Fill tank from rear loading pipe with approved hose only
- Never throw trash in tank
- Never swim in tank or drink water from tank
- Never transport water on highways
- Drain tank fully before operating on highways
- Tank system to be used on job sites only
- Drain tank when in storage or in freezing conditions
- Make sure mud flaps are in place before entering highways or roads
- Mud and rocks on tires may cause safety hazards for other traffic on highways, always clean vehicle and tires before entering highway
- Always follow instruction safety information and all warnings placards on vehicle
- Vehicle is only to be operated by properly licensed drivers
- Check local DMV requirements to ensure that operator is properly licensed with all necessary endorsements for GVWR class of truck

Suction Plumbing Operation

- 1) Turn off engine
- 2) Close main valve on pump inlet (4" butterfly)
- 3) Open ½" ball valve on bottom of primer pump
- 4) Remove camlock cap on suction pipe
- 5) Attach suction hose on to suction pipe
- 6) Drop hose into water source
- 7) Pump the primer pump till water comes out of it
- 8) Close ½" ball valve on bottom of primer pump
- 9) Make sure all spray valves are closed
- 10) Start engine
- 11) Engage P.T.O
- 12) Crack open 2 ½" tank fill gate valve off of manifold
- 13) Open 2 ½" tank fill gate valve all the way

When Suction Is Complete:

- 1) Disengage P.T.O.
- 2) Close 2 ½" tank fill gate valve
- 3) Turn off engine
- 4) Remove suction hose and replace cap
- 5) Open 4" pump inlet valve

You are now ready to go.

NOTE: If you are experiencing a loss in pressure after suction is complete, confirm main valve is open and tank fill valve is closed completely



PLUMBING PARTS AND MISC

4" BUTTERFLY VALVE
SKU # 100103



4.5" WET HOSE
SKU # 101406



4.5" BAND CLAMP
SKU # 703209

2 1/2" DUST CAP
SKU # 101302



2 1/2" F X M CAMLOCK
(LOADING PIPE)
SKU # 101301



4" BUTTERFLY VALVE
PLATE
SKU # 100109



4" BUTTERFLY VALVE
HANDLE
SKU # 100108



COMMON PARTS FOR VALEW WATER TRUCK

- 45. 1 ½" Gate valve - - - - - part # 100303
- 46. 3" Manual butterfly valve - - - - - part # 100102
- 47. 4" Manual butterfly valve - - - - - part # 100103
- 48. 2 ½" Air butterfly valve - - - - - part # 100104
- 49. 3" Air butterfly valve - - - - - part # 100105
- 50. 4" Air butterfly valve - - - - - part # 100106
- 51. 6" Air butterfly valve - - - - - part # 100107
- 52. 4" Manual butterfly valve handle - - - - - part # 100108
- 53. ½" Ball valve - - - - - part # 100201
- 54. 2 ½" Gate valve - - - - - part # 100305
- 55. 2" Gate valve - - - - - part # 100304
- 56. 2 ½" Street flusher - - - - - part # 100613
- 57. 2 ½" Side spray assembly - - - - - part # 100614
- 58. 4" Victaulic clamp - - - - - part # 101201
- 59. 2 ½" Loading hose - - - - - part # 101401
- 60. 2 ½" Suction hose - - - - - part # 101402
- 61. 2 ½" Female x male camlock (loading pipe) - - - - - part # 101301
- 62. 3" Side spray assembly - - - - - part # 100615
- 63. 3" Slotted cap sprayhead - - - - - part # 100617
- 64. 2 ½" Fan spray - - - - - part # 100611
- 65. VA 2003 sprayhead tube - - - - - part # 100610
- 66. ¾" Hose bib - - - - - part # 100501
- 67. Sight glass fitting set - - - - - part # 100502
- 68. Type 16 clamp - - - - - part # 100605
- 69. VA 2003 spring holder - - - - - part # 100606
- 70. VA 2003 spring - - - - - part # 100607
- 71. VA 2003 sprayhead body - - - - - part # 100608
- 72. VA 2003 sprayhead top - - - - - part # 100609
- 73. 2 ½" Slotted cap sprayhead - - - - - part # 100616

For more parts please visit parts.valew.com
or give us a call at 844.208.2539

VALEW 2003 STANDARD SPRAYHEAD/ MANUAL HEADS

QUICK VALVE
NYLON SEAL
SKU# 100825

TUBE 90° ELBOW
SKU# 703182

1/4" HEX NIPPLE
SKU# 703182

VALEW 2003 STANDARD SPRAYHEAD
SKU # 100601

VALEW 2003 STANDARD
SPRAYHEAD WITH EXHAUST VALVE
SKU # 100647

VALEW 2003 STANDARD
SHORT SPRAY HEAD
SKU # 100642

TYPE 16 DIAPHRAGM
SKU # 100604

VA 2003 SPRAYHEAD BODY
SKU # 100608

SET SCREW
SKU# 703185

ZERC FITTING
1/8 NPT
SKU# 703177

VA 2003 SPRAYHEAD TUBE
SKU # 100610



VALEW 2003 SPRAYHEAD TOP
SKU # 100609



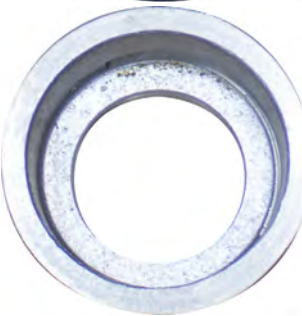
VALEW 2003 SPRING
SKU # 100607



VALEW 2003 SPRING HOLDER
SKU # 100606



TYPE 16 CLAMP
SKU # 100605



SEAL RING
SKU # 100641



BALL BEARING
SKU # 100640



SIDE SPRAY ASSEMBLY

VA 2.5" SIDE SPRAYER
HEAD
SKU #100627

2.5" CLOSED NIPPLE
SKU #103119

2.5" THREADED 90 ELBOW
SKU #103120



SEAL RING
SKU # 721003

STEEL SWIVEL
SKU #100506

ZERC FITTING
1/8 NPT
SKU# 703177

2 1/2" SIDE SPRAY ASSEMBLY
(2000 GAL TANKS)
SKU # 100614
3" SIDE SPRAY ASSEMBLY
(4000 GAL TANKS)
SKU # 100615



BALL BEARING
SKU # 721001



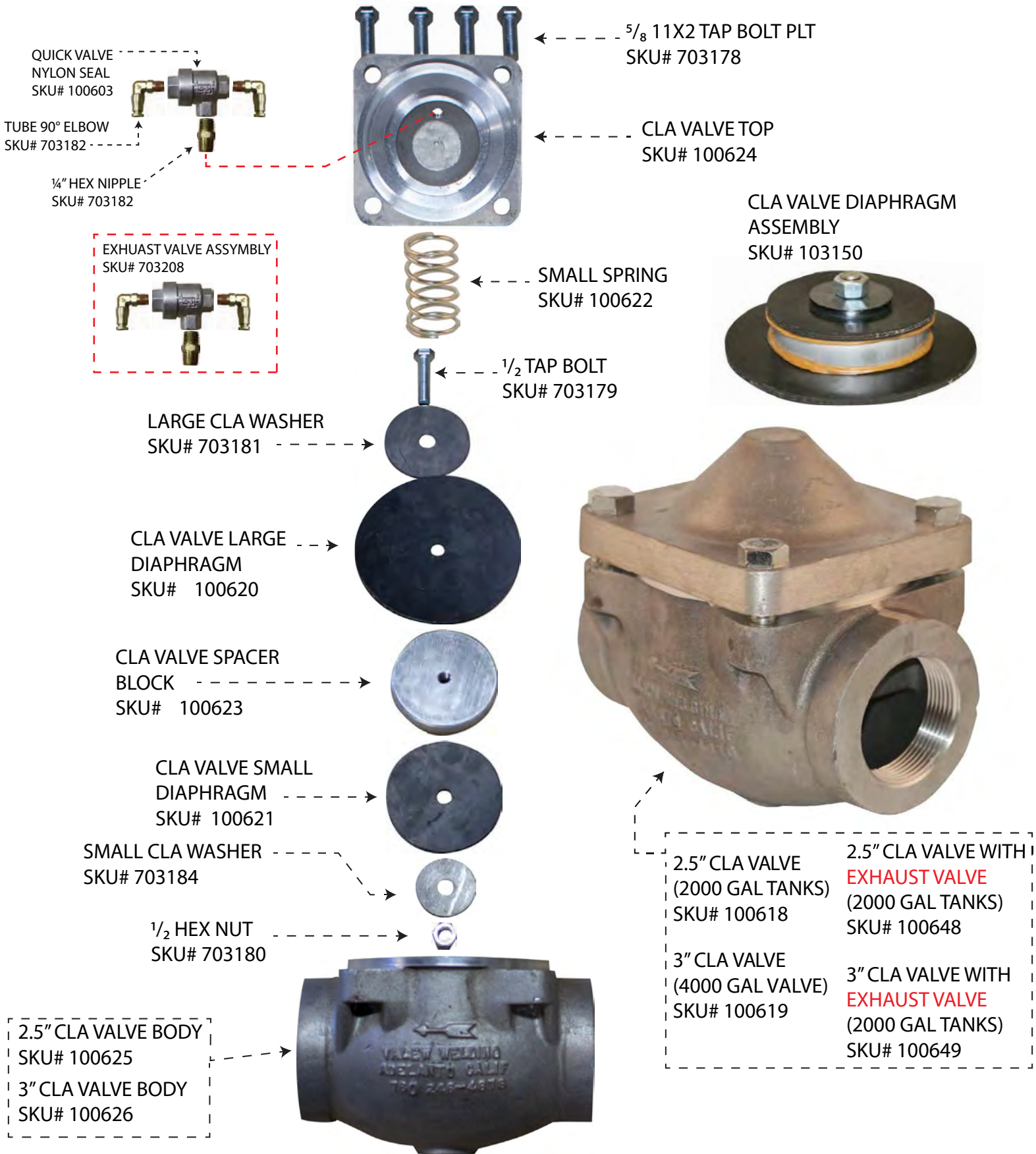
2.5" SWIVEL TUBE
SKU #100504
3" SWIVEL TUBE
SKU #100505



SIDE SPRAYER
SET SCREW
SKU #100706



CLA-STYLE VALVE





PUSH BLOCK/ HOSE REEL ASSEMBLY & PARTS

REAR SPRAY BAR ASSEMBLY
SKU # 703206



3.5" HOOD CATCH RUBBER
SKU # 101119



HOSE REEL HANDLE
SKU # 703205



1 1/2" BALL VALVE
SKU # 100202



50' X 1 1/2" HOSE REEL HOSE
SKU # 101404



1 1/2" X 18" TRUCK TANK HOSE
SKU # 101407



1.5" BAND CLAMP
SKU # 703212

1 1/2" 90° SWIVEL
SKU # 103146



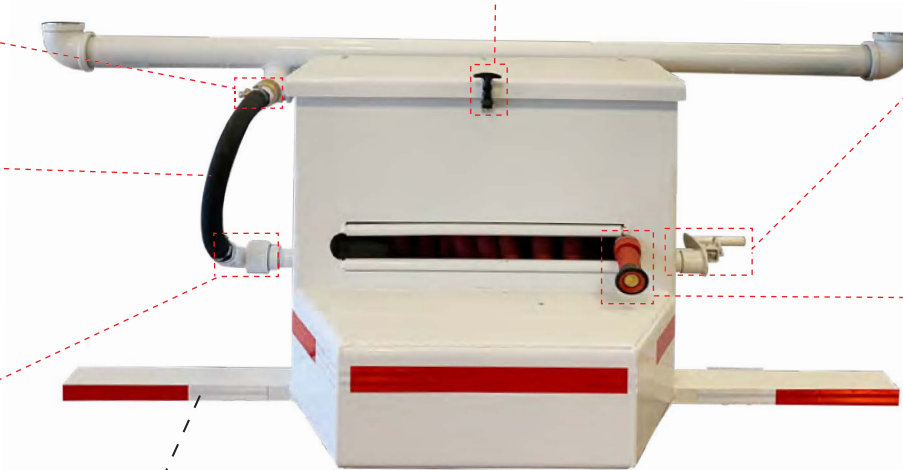
1 1/2" 90° SWIVEL
REBUILD KIT
SKU # 103147



PUSH BLOCK ICC BUMPER
SKU # 703207



PUSH BLOCK ASSEMBLY
(PLEASE CALL FOR MORE INFO. STYLES
DIFFER ON CHASSIS & YEAR)
SKU # 703204



RED HOSE REEL NOZZLE
SKU # 101405

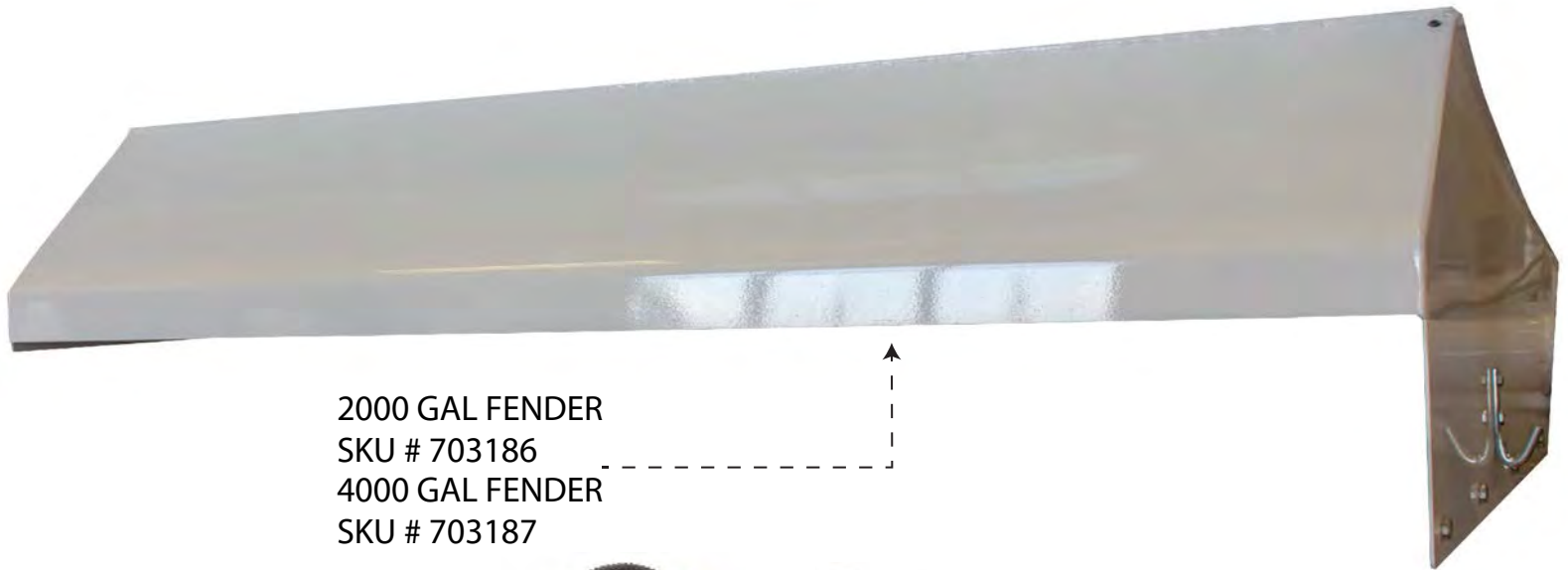


HOSE REEL REBUILT KIT
SKU # 100628





VALEW MUD FLAP, ALARM AND FENDER



2000 GAL FENDER
SKU # 703186
4000 GAL FENDER
SKU # 703187

ECCO BACK UP
ALARM
SKU # 709420



HOOK
SKU # 702033



REFLECTOR BAR
SKU # 710003



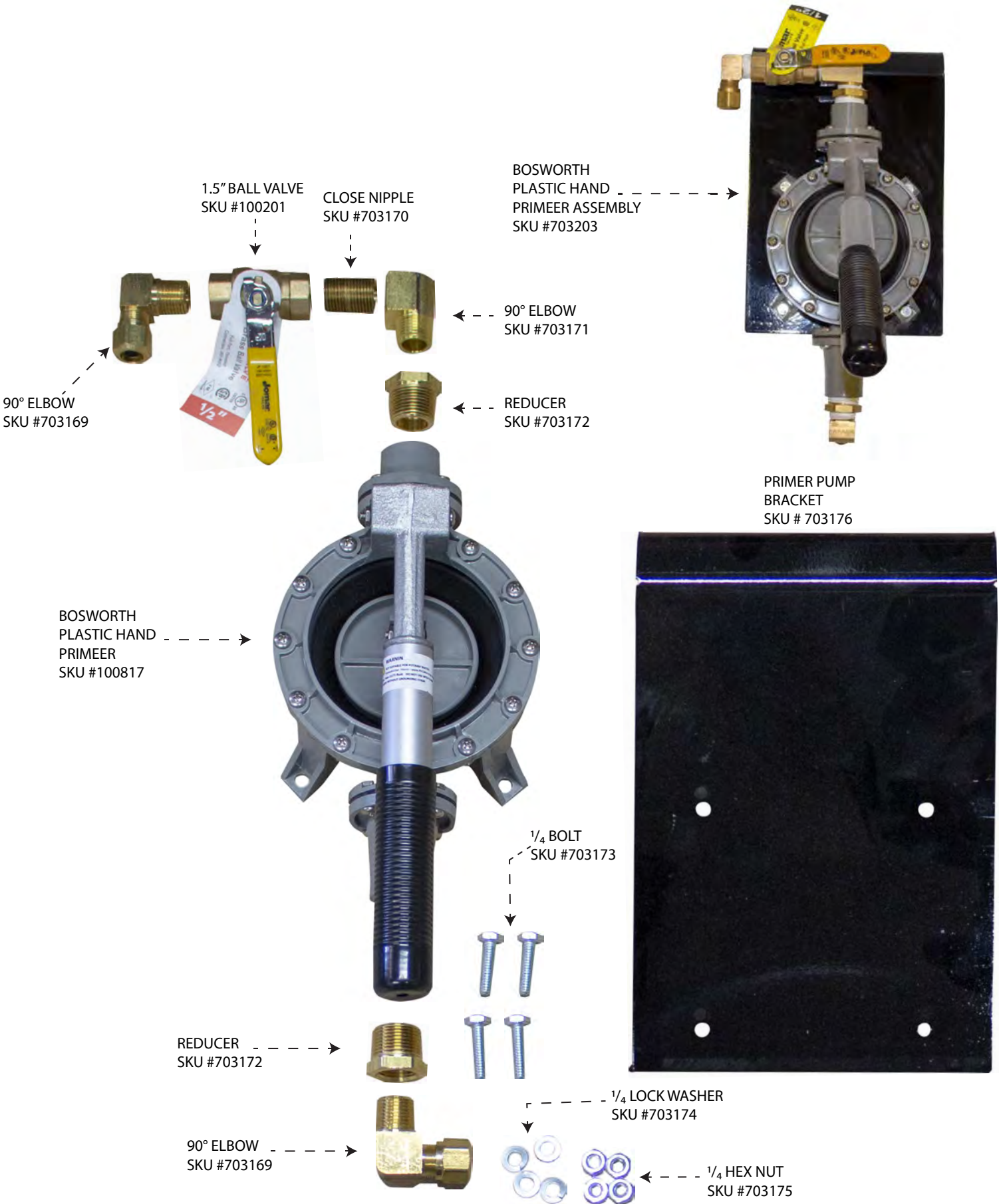
MUDFLAPS
SKU # 710005



MUDFLAP BOTTOM
BRACKET
SKU # 703188



PRIMEER PUMP ASSEMBLY



MANUAL CONTROL HANDLE & PARTS/ MANUAL SPRAYHEADS



362 MANUAL CONTROL HANDLE ASSEMBLY
 SKU # 101001



3" SLOTTED CAP SPRAYHEAD
 SKU # 100617

2.5" SLOTTED CAP SPRAYHEAD
 SKU # 100616



2 1/2" FAN SPRAY
 SKU # 100611

3" FAN SPRAY
 SKU # 100612



2.5" MANUAL BUTTERFLY VALVE
 SKU # 100101

3" MANUAL BUTTERFLY VALVE
 SKU # 100102

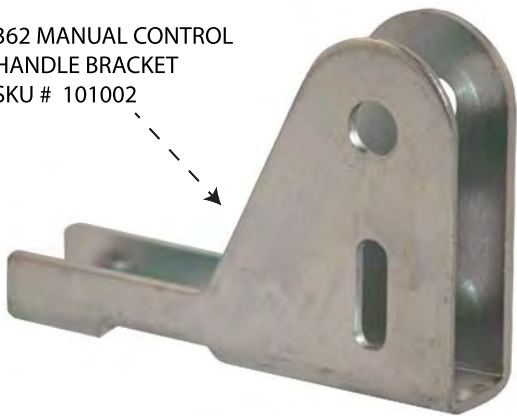


BUTTERFLY STEM BRACKET
 (INCLUDED IN PURCHASE OF 2.5" & 3" MANUAL BUTTERFLY VALVE)
 SKU # 703213



2 1/2" STREET FLUSHER
 SKU # 100613

362 MANUAL CONTROL HANDLE BRACKET
 SKU # 101002



MANUAL CONTROL 72" CABLE
 SKU # 101009

MANUAL CONTROL 96" CABLE
 SKU # 101008

MANUAL CONTROL 120" CABLE
 SKU # 101007

362 MANUAL CONTROL HANDLE KNOB
 SKU # 101003



362 MANUAL CONTROL HANDLE CABLE BRACKET
 SKU # 101012



MANUAL CONTROL **RIGHT** BRACKET
 SKU # 101005

MANUAL CONTROL **LEFT** BRACKET
 SKU # 101004



CABLE HARDWARE KIT
 SKU # 101013



CABLE HARDWARE KIT
 SKU # 101014



362 MANUAL CONTROL HANDLE ONLY
 SKU # 101006

Safety First

General Information

Pump Location

General Safety

Do not allow pump, piping, or any other system component containing water to freeze. Freezing may damage system, leading to injury or flooding. Allowing pump or system components to freeze will void warranty.

Pump approved liquids only with this pump.

Periodically inspect pump and system components.

Wear safety glasses at all times when working on pumps.

Keep work area clean, uncluttered and properly lighted; store properly all unused tools and equipment.

Keep visitors at a safe distance from the work areas.

	<p>⚠ WARNING</p> <p>Rotating parts. Can catch hands, feet, or clothing.</p> <p>Stay clear of equipment and keep shields in place while pump is running.</p> <p>Stop motor or engine before servicing pump.</p> <p>Read owner's manual before using equipment.</p>
--	---

Electrical Safety

<p>⚠ WARNING</p>  <p>Hazardous voltage. Can shock, burn, or cause death.</p> <p>Ground pump before connecting to power supply.</p>	<ul style="list-style-type: none"> ⚠ Wire motor for correct voltage. See "Electrical" section of this manual and motor nameplate. ⚠ Ground motor before connecting to power supply. ⚠ Meet National Electrical Code and local codes for all wiring. ⚠ Follow wiring instructions in this manual when connecting motor to power lines.
---	---

READ AND FOLLOW SAFETY INSTRUCTIONS!

⚠ This is the safety alert symbol. When you see this symbol on your pump or in this manual, look for one of the following signal words and be alert to the potential for personal injury:

⚠ DANGER warns about hazards that **will** cause serious personal injury, death or major property damage if ignored.

⚠ WARNING warns about hazards that **will** or **can** cause serious personal injury, death or major property damage if ignored.

⚠ CAUTION warns about hazards that **will** or **can** cause minor personal injury or property damage if ignored.

The label **NOTICE** indicates special instructions which are important but not related to hazards.

Carefully read and follow all safety instructions in this manual and on pump.

Keep safety labels in good condition. Replace missing or damaged safety labels.

LOCATION:

Locate the pump as near to the water source as practical. Make the suction pipe run short and straight with as few pipe fittings as possible to keep total friction loss to a minimum.

Install pump in a clean, dry and well drained location if possible and protect against moisture and adverse weather conditions. Pump should be located on a level, hard surface to prevent shifting or tipping. Locate to be readily accessible for inspection and maintenance.

Careful attention should be taken to assure that Net Positive Suction Head Available (NPSHA) exceeds Net Positive Suction Head Required (NPSHR) by the pump or reduced performance and severe pump damage may result.

Figure 1, Page 4, illustrates where these terms (NPSHA / NPSHR) come from, and how to determine if the pumping conditions at which you want to operate meet the proper criteria. When in doubt, consult your nearest Berkeley Professional Dealer.

NOTE: If pump site is 1000 feet above sea level, subtract 1.2 feet from the NPSHA equation and an additional 1.2 feet for each additional 1000 feet of elevation.

Maintenance

General Pump Care

ROUTINE MAINTENANCE

A well maintained pumping system will extend the life of the unit and will require fewer repairs. This means less down time which can be very critical when a constant delivery of water is required.

A routine maintenance and inspection schedule should be set up on a weekly, quarterly, and annual basis with records kept of these actions. For weekly checks see observational maintenance on Page 18. For quarterly and annual maintenance, refer to check list on the following page. Copy page as necessary for continual usage.

RECOMMENDED SPARE PARTS

It is recommended that the following spare parts be kept on-site as a minimum back-up to service your pump and reduce down-time. Check your model/style against parts breakdown drawing on Page 25 when selecting spares.

- Mechanical Shaft Seal
- Packing Set and Packing Hooks
- Shaft Sleeve(s)
- All Gaskets and O-Rings Required for One Pump
- Impeller Wear Ring
- Retaining Rings

If having a pump non-operational has severe consequences, a back-up pump should be considered. Otherwise, a back-up impeller, volute case, bearings and shaft, would be prudent.

WINTERIZING

If pump is to be out of service for an extended period of time, such as the winter months, the following storage procedures should be followed.

- Remove exterior dirt and grime or any substance that may trap moisture. Exposed metal is subject to oxidation, prime and repaint if necessary. If this is not possible, coat with grease or heavy oil.
- Flush suction and discharge lines. Check for leaks at this time and replace any worn gaskets.
- Remove lowest plug in pump and drain pump casing and suction and discharge lines.
- Lubricate bearings.
- If possible, keep unit clean and dry during storage period to guard against corrosion.
- Seal all open ports to keep out foreign objects such as insects, rodents, dust and dirt.
- Rotate driver shaft periodically to prevent freeze-up of internal components.
- Shelter unit from elements if possible.
- Work oil into impeller wear ring by dripping oil into the gap while rotating by hand.

SPRING START-UP

- Inject sufficient grease into the bearings to displace old grease.
- Visual inspection.
- Rotate by hand, if any binding occurs, disassemble and inspect.

Cold Weather Operation of Powershift P.T.O.s



WARNING: During extreme cold weather operation [32°F (0°C) and lower], a disengaged Powershift Power Take-Off can momentarily transmit high torque that will cause unexpected output shaft rotation. This is caused by the high viscosity of the transmission oil when it is extremely cold. As slippage occurs between the Power Take-Off clutch plates, the oil will rapidly heat up and the viscous drag will quickly decrease.

The Power Take-Off output shaft rotation could cause unexpected movement of the driven equipment resulting in serious personal injury, death, or equipment damage.

To avoid personal injury or equipment damage:

- Driven equipment must have separate controls.
- The driven equipment must be left in the disengaged position when not in operation.
- Do not operate the driven equipment until the vehicle is allowed to warm up.

Rotating Auxiliary Driveshafts



WARNING:



- Do not go under the vehicle when the engine is running.
- Do not work on or near an exposed shaft when the engine is running.
- Shut off the engine before working on the Power Take-Off or driven equipment.

Guarding Auxiliary Driveshafts



WARNING: We strongly recommend that a Power Take-Off and a directly mounted pump be used to eliminate the auxiliary driveshaft whenever possible. If an auxiliary driveshaft is used and remains exposed after installation, it is the responsibility of the vehicle designer and P.T.O. installer to install a guard.

These instructions are for your safety and the safety of the end user. Read them carefully until you understand them.

General Safety Information

To prevent injury to yourself and/or damage to the equipment:

- Read carefully all owner's manuals, service manuals, and/or other instructions.
- Always follow proper procedures, and use proper tools and safety equipment.
- Be sure to receive proper training.
- Never work alone while under a vehicle or while repairing or maintaining equipment.
- Always use proper components in applications for which they are approved.
- Be sure to assemble components properly.
- Never use wornout or damaged components.
- Always block any raised or moving device that may injure a person working on or under a vehicle.
- Never operate the controls of the Power Take-Off or other driven equipment from any position that could result in getting caught in the moving machinery.

Proper Matching of P.T.O.



WARNING: A Power Take-Off must be properly matched to the vehicle transmission and to the auxiliary equipment being powered. An improperly matched Power Take-Off could cause severe damage to the vehicle transmission, the auxiliary driveshaft, and/or the auxiliary equipment being powered. **Damaged components or equipment could malfunction causing serious personal injury to the vehicle operator or to others nearby.**

To avoid personal injury and/or equipment damage:

- Always refer to Chelsea catalogs, literature, and owner's manuals and follow Chelsea recommendations when selecting, installing, repairing, or operating a Power Take-Off.
- Never attempt to use a power take-off not specifically recommended by Chelsea for the vehicle transmission.
- Always match the Power Take-Off's specified output capabilities to the requirements of the equipment to be powered.
- Never use a Power Take-Off whose range of speed could exceed the maximum safe speed of the equipment to be powered.

Maintenance
Routine Inspection
Record

I. QUARTERLY INSPECTION

- Inspect all system piping connections for leakage or possible misalignment.
- Check pump foundation for soundness and see that all hold-down bolts are secure.
- Complete any lubrication requirements as dictated by pump and driver owner's manual.
- Inspect packing or mechanical seal for possible replacement. Examine shaft sleeve, if present, for wear and replace if necessary.
- Inspect pumping plant panel for signs of wear (ie: replace pitted contactors, etc., as needed).
- Check pump and motor bearings from signs of wear. Repack or replace as necessary.
- Check alignment of couplings and/or pulleys and belt tension if applicable.
- _____

II. QUARTERLY INSPECTION

- Inspect all system piping connections for leakage or possible misalignment.
- Check pump foundation for soundness and see that all hold-down bolts are secure.
- Complete any lubrication requirements as dictated by pump and driver owner's manual.
- Inspect packing or mechanical seal for possible replacement. Examine shaft sleeve, if present, for wear and replace if necessary.
- Inspect pumping plant panel for signs of wear (ie: replace pitted contactors, etc., as needed).
- Check pump and motor bearings from signs of wear. Repack or replace as necessary.
- Check alignment of couplings and/or pulleys and belt tension if applicable.
- _____

NOTES:

III. QUARTERLY INSPECTION

- Inspect all system piping connections for leakage or possible misalignment.
- Check pump foundation for soundness and see that all hold-down bolts are secure.
- Complete any lubrication requirements as dictated by pump and driver owner's manual.
- Inspect packing or mechanical seal for possible replacement. Examine shaft sleeve, if present, for wear and replace if necessary.
- Inspect pumping plant panel for signs of wear (ie: replace pitted contactors, etc., as needed).
- Check pump and motor bearings from signs of wear. Repack or replace as necessary.
- Check alignment of couplings and/or pulleys and belt tension if applicable.
- _____

IV. QUARTERLY INSPECTION

- Inspect all system piping connections for leakage or possible misalignment.
- Check pump foundation for soundness and see that all hold-down bolts are secure.
- Complete any lubrication requirements as dictated by pump and driver owner's manual.
- Inspect packing or mechanical seal for possible replacement. Examine shaft sleeve, if present, for wear and replace if necessary.
- Inspect pumping plant panel for signs of wear (ie: replace pitted contactors, etc., as needed).
- Check pump and motor bearings from signs of wear. Repack or replace as necessary.
- Check alignment of couplings and/or pulleys and belt tension if applicable.
- _____

ANNUAL INSPECTION

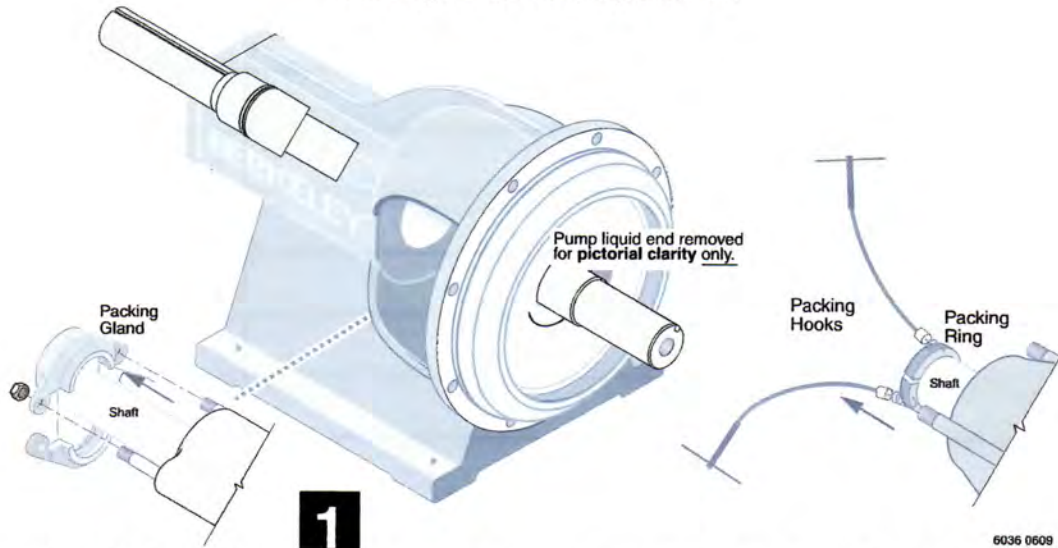
- Inspect pump and entire pumping system for signs of wear.
- Inspect system valves, screens, etc.
- If electric motor is used, check windings for degradation, rewind if necessary.
- Check pump impeller eye for clearance.
- Inspect impeller, volute case, and seal chamber for signs of excessive wear or corrosion.

Maintenance

Packing Ring Replacement

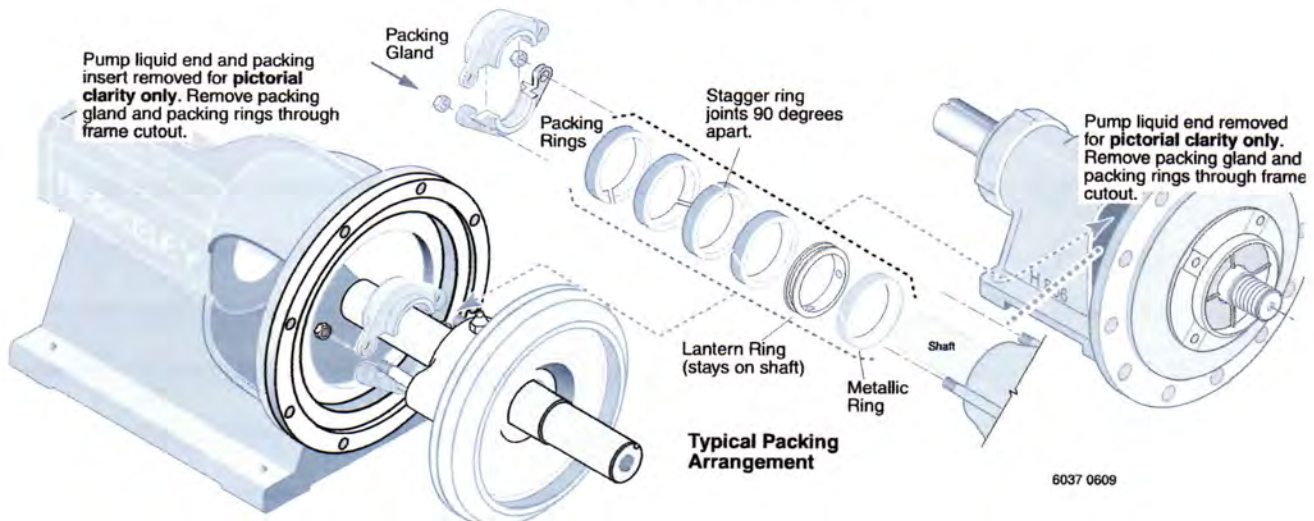
Removal

See Page 21 for Seal Replacement.



- Unfasten hardware holding packing gland in place and slide back on shaft to expose packing rings. A split packing gland with threaded studs is shown.
 - Remove packing rings from stuffing box using two commercially available packing hooks as shown.
- Slide lantern ring (if used) back to expose any remaining rings, including metallic. Remove them in the same manner.

Installing New Rings



- Clean shaft sleeve and packing gland.
 - Inspect shaft sleeve for wear, replace if needed.
 - Install new packing rings in stuffing box by placing over shaft sleeve and pushing them in as far as they will go.
 - Rotate ring joint 90 degrees when installing each ring as shown.
- Slide packing gland into position (gland must enter stuffing box bore) then gently and evenly tighten nuts to force rings into place and seat (do not over tighten). Loosen nuts again to hand tight.
 - Start primed pump and allow packing to leak liberally.
 - While pump is running, evenly tighten gland nuts one complete turn at a time until leakage is reduced to droplet form (40 to 60 drops per minute).

Type "B" Single Stage Centrifugal Pump Bearing Frame Mount

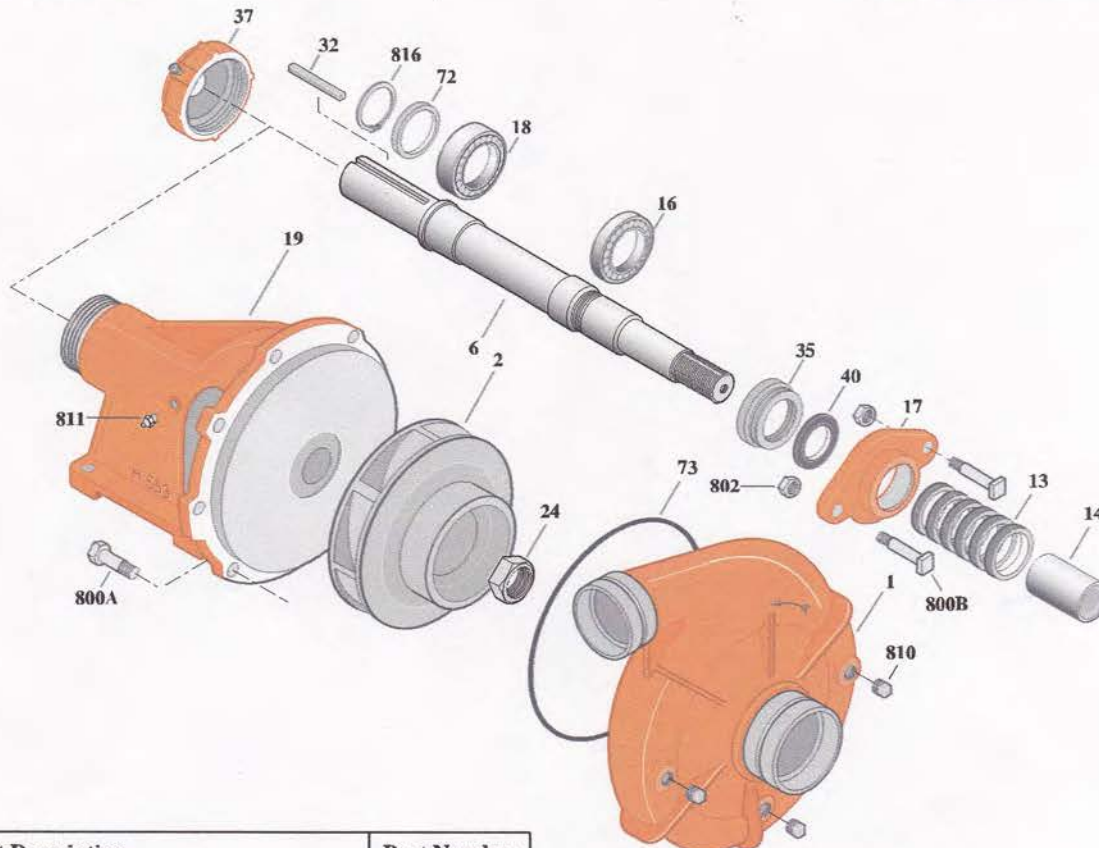
Section	FM
Page	130.1
Date	July 1, 2011
Supersedes 1/1/04	

CAST IRON IMPELLER

B3ZRM

Victaulic Case

Packing Construction



Item	Part Description	Part Number
1	Case, Volute	See Table I
2	Impeller	See Table I
6	Shaft (Not sold separately)	See Note 2
13	Ring, Packing (Set of 6)	S14022
14	Sleeve, Shaft	S05127L
16	Bearing, Ball	S13270
17	Gland, Packing (See Note 1)	S04948
18	Bearing, Ball	S13271
19	Frame	H00553
24	Locknut, Impeller (CW)	M10220
24	Locknut, Impeller (CCW)	U36-189SS
32	Key, 1/4x2-1/8"	S24255
35	Inner Bearing Cap	S19033
37	Outer Bearing Cap Assembly*	S19914
40	Slinger, Water	S12260
72	Ring, Thrust	S29218
73	O-Ring (See Note 3)	M14943

* Includes grease fitting and set screw.

Table I

B/M No.	Rotation	Volute Case	Impeller	Impeller Diameter
B66899	CW	H04040	M02153	9.00"
B66895	CCW	H04041	M02181	9.00"

Item	Part Description	Part Number
800A	Capscrew, Hex 3/8-16x7/8" (8 Req.)	S26825
800B	Bolt, Sq. Head 3/8-16x2-1/2" (2 Req.)	S23762
802	Nut, Hex 3/8-16 (2 Req.)	S23343
810	Plug, Pipe 1/4 NPT (3 Req.)	S23715
811	Fitting, Grease	S23670
816	Ring, Retaining	S23010

NOTE 1: A two piece (split) stainless steel packing gland is available for replacement, order part number B82468.

NOTE 2: Shaft Replacement Kit available for this model. Berkeley part number B80698 for CW, B80696 for CCW. Pump Shaft sold in shaft replacement kit only.

NOTE 3: Also accepts gasket S05126 as replacement for o-ring. See **Supplement E** located at the beginning of this section.

Type "B" Single Stage Centrifugal Pump Bearing Frame Mount

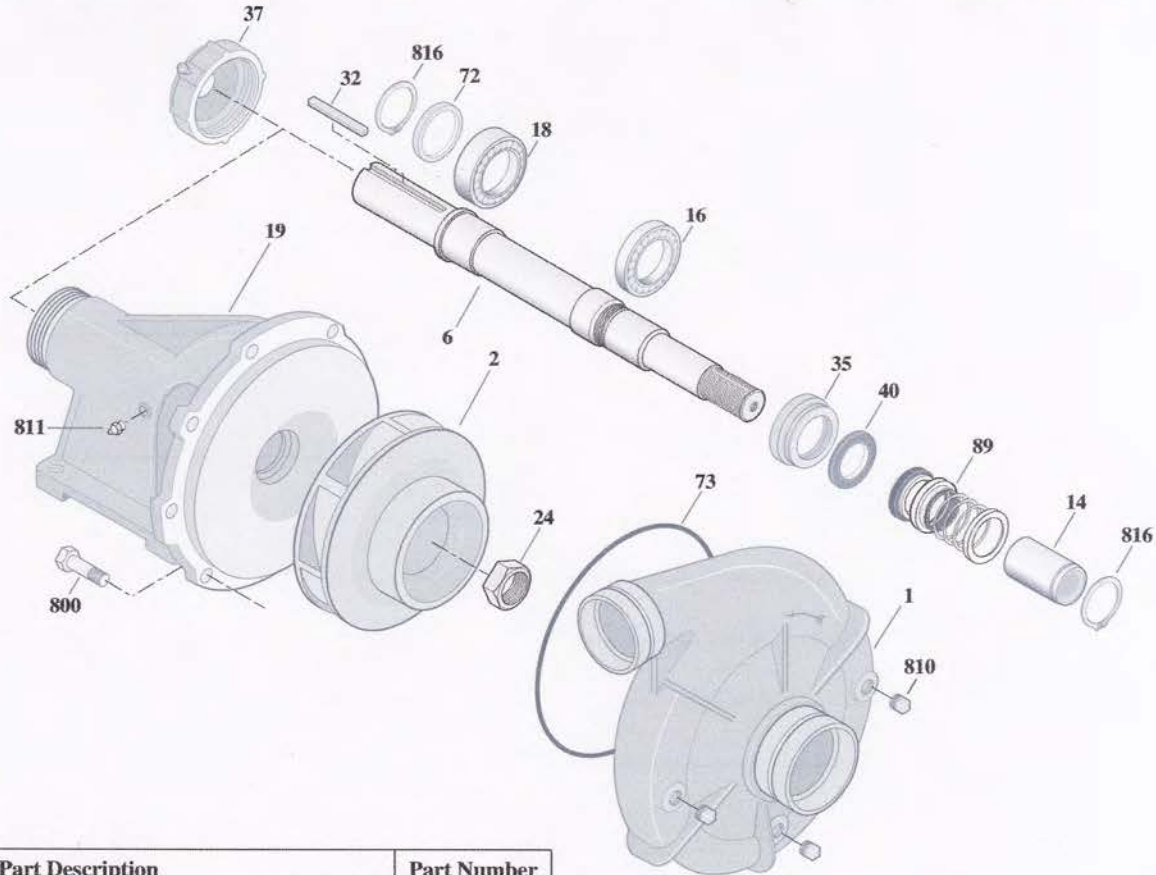
Section	FM
Page	130.2
Date	July 1, 2011
Supersedes 1/1/04	

CAST IRON IMPELLER

B3ZRMS

Victaulic Case

Mechanical Shaft Seal Construction



Item	Part Description	Part Number
1	Case, Volute	See Table I
2	Impeller	See Table I
6	Shaft (Not sold separately)	See Note 1
14	Sleeve, Shaft	S39242L
16	Bearing, Ball	S13270
18	Bearing, Ball	S13271
19	Frame	H04007
24	Locknut, Impeller (CW)	M10220
24	Locknut, Impeller (CCW)	U36-189SS
32	Key, 1/4x2-1/8"	S24255
35	Inner Bearing Cap	S19033
37	Outer Bearing Cap Assembly*	S19914
40	Slinger, Water	S12260
72	Ring, Thrust	S29218
73	O-Ring (See Note 2)	M14943
89	Seal, Mechanical Shaft	S32690

* Includes grease fitting and set screw.

Table I

B/M No.	Rotation	Volute Case	Impeller	Impeller Diameter
B68417	CW	H04040	M02153	9.00"
B68416	CCW	H04041	M02181	9.00"

Item	Part Description	Part Number
800	Capscrew, Hex 3/8-16x7/8" (8 Req.)	S26825
810	Plug, Pipe 1/4 NPT (3 Req.)	S23715
811	Fitting, Grease	S23670
816	Ring, Retaining	S23009
816	Ring, Retaining	S23010

NOTE 1: Shaft Replacement Kit available for this model. Berkeley part number B80699 for CW, B80697 for CCW. Pump Shaft sold in shaft replacement kit only.

NOTE 2: Also accepts gasket S05126 as replacement for o-ring. See **Supplement E** located at the beginning of this section.

760-246-4878

SINCE 1954

VALEW

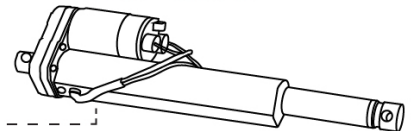
QUALITY TRUCK BODIES

WWW.VALEW.COM

WATER CANNON MANUAL

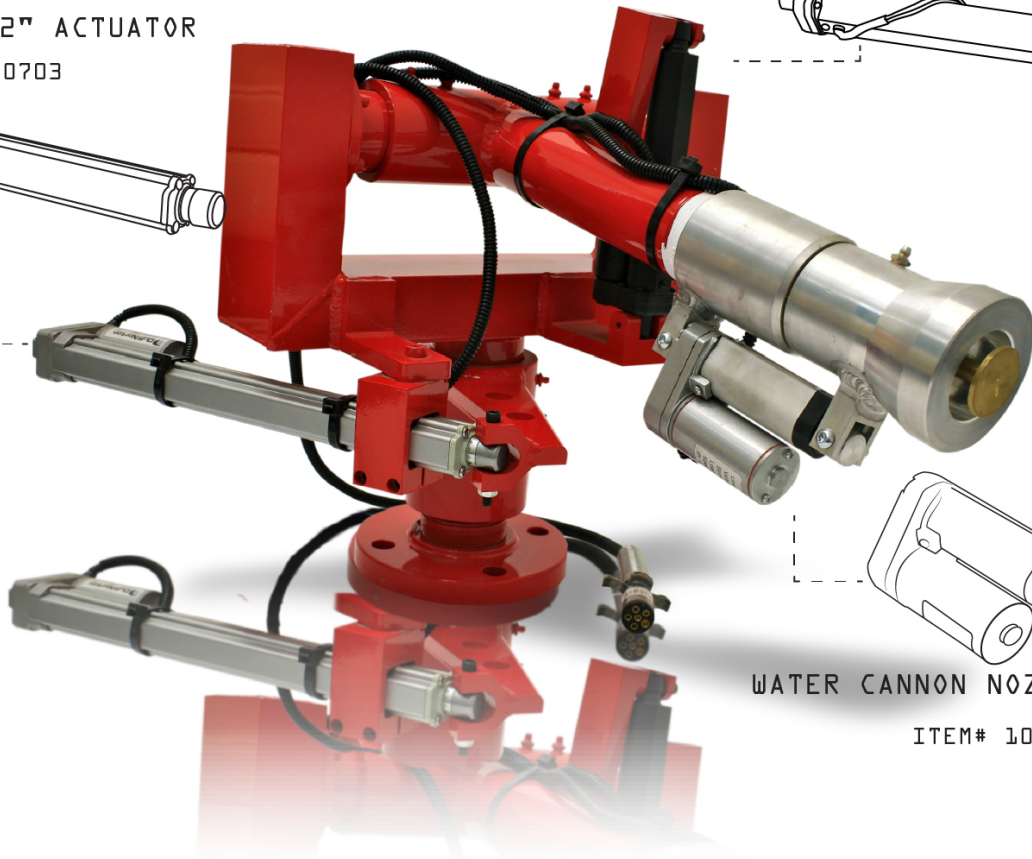
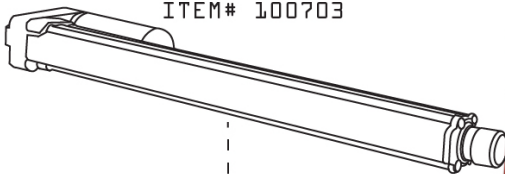
WATER CANNON PUSH/ PULL ACTUATOR

ITEM# 100702



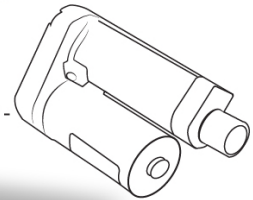
WATER CANNON 12" ACTUATOR

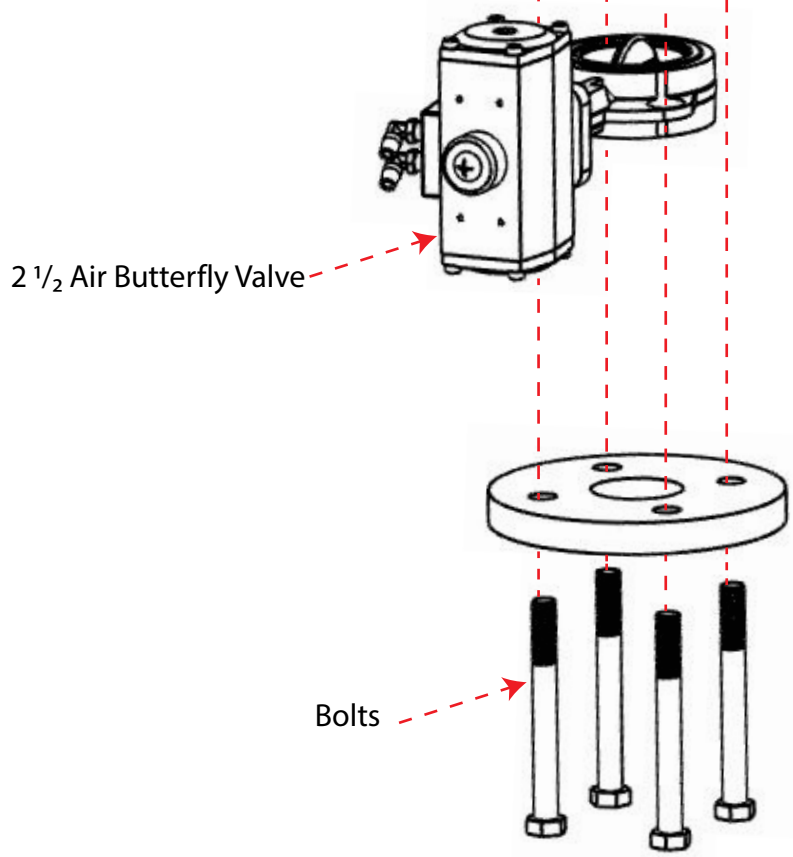
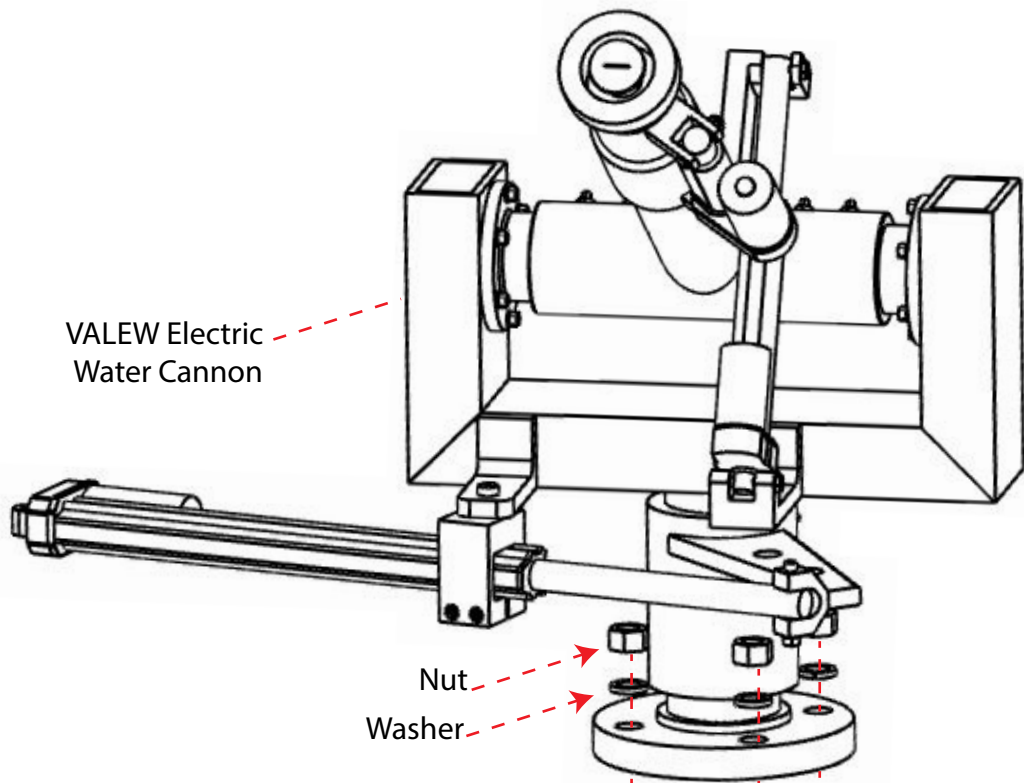
ITEM# 100703



WATER CANNON NOZZLE ACTUATOR

ITEM# 100704



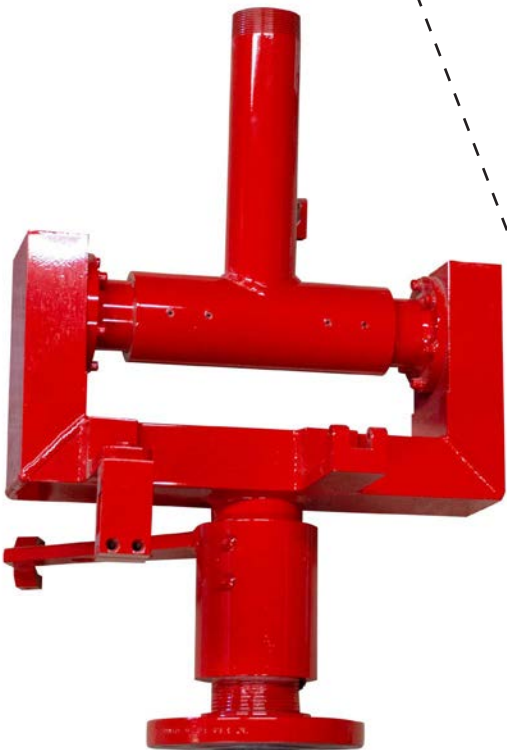




VALEW WATER CANNON ASSEMBLY



VALEW ELECTRIC WATER CANNON ASSEMBLY
SKU # 100701



WATER CANNON BODY
SKU # 100507



WATER CANNON NOZZLE
SKU # 100508



PUSH-PULL ACTUATOR
SKU # 100703

UP & DOWN ACTUATOR
SKU # 100702



