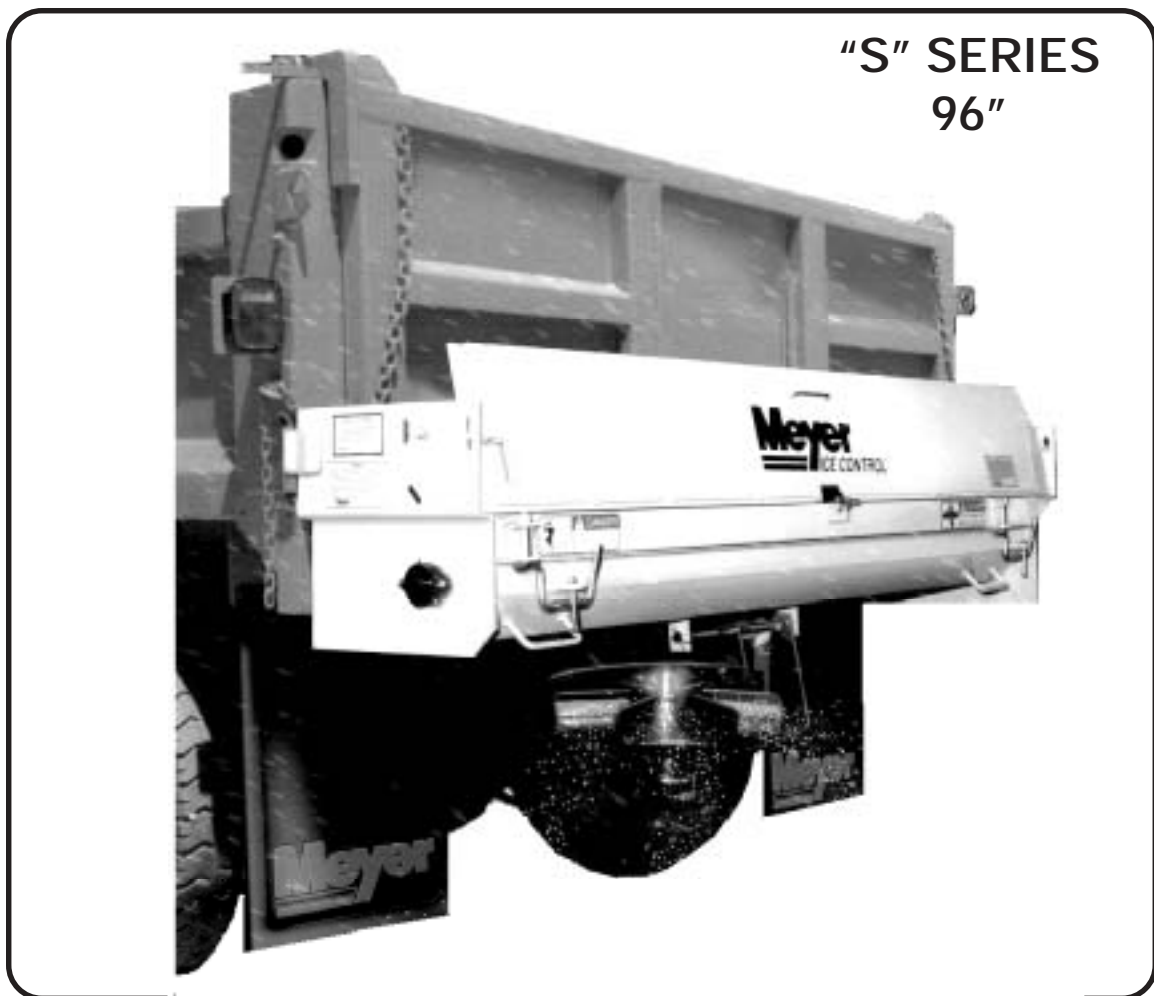


SINGLE AUGER UNDERTAILGATE SPREADER DIRECT DRIVE

The new easy. maintenance bottom-opening series



SERVICE MANUAL

Meyer Products reserves the right, under its continuing product improvement program, to change construction or design details, specifications and prices without notice or without incurring any obligation.

THE BEST SAFETY DEVICE IS A CAREFUL OPERATOR!

SAFETY ALERT SYMBOL



THIS SYMBOL MEANS ATTENTION!
BECOME ALERT!
YOUR SAFETY IS INVOLVED!
PLEASE READ AND UNDERSTAND COMPLETELY BEFORE DOING!

SAFE EQUIPMENT INSTALLERS AND OPERATORS:



TURN OFF ALL POWER BEFORE PERFORMING ANY SERVICE OPERATIONS

- FOLLOW RECOMMENDED OPERATING PROCEDURES.
- KEEP EQUIPMENT IN SAFE OPERATING CONDITION AT ALL TIMES.
- RECOGNIZE AND AVOID HAZARDS WHILE OPERATING, SERVICEING AND MAINTAINING EQUIPMENT.



CAUTION

1. KEEP ALL SHEILDS IN PLACE.
2. MAKE CERTAIN EVERYONE IS CLEAR BEFORE STARTING MACHINE OR MOVING VEHICLE.
3. KEEP HANDS, FEET, AND CLOTHING AWAY FROM ALL POWER DRIVEN PARTS.
4. DISENGAGE p.t.o., SHUT OFF HYDRAULIC VALVE AND SET PARKING BRAKE BEFORE LEAVING OPERATOR'S POSITION. MAKE SURE ALL MOVEMENT HAS STOPPED BEFORE SERVING OR UNCLOGGING MACHINE.
5. USE FLASHING LIGHTS WHEN OPERATING MACHINE.
6. MAKE SURE MACHINE IS SOLIDLY SUPPORTED WHEN IT IS BEING MOUNTED, DISMOUNTED, OR STORED.



DANGER

Stay clear while
spinner is turning



DANGER

Turn off power
before servicing

NOTICE: Instructional Material And Parts Lists Included In This Manual Are Subject To Change Without Notice.

INDEX
FOR
"S" SERIES SPREADERS

PAGE NO.

2	SAFETY INSTRUCTIONS
4,5,6,7,8 & 9	MOUNTING INSTRUCTIONS
10,11,12 & 15.....	PLUMBING DIAGRAM AND HYDRAULIC INFORMATION & PARTS LIST
13	16 GAL. GEAR PUMP & PARTS LIST
14,15	DUAL FLOW VALVE STAND, INSTRUCTIONS & PARTS LIST
16,17	OPERATING INSTRUCTIONS
18,19	DUAL FLOW VALVE & PARTS LIST
20	MAINTENANCE INFORMATION
21	TROUBLE SHOOTING
22,23	GEARBOX & PARTS LIST
24,25	"S" SERIES DIRECT DRIVE OPTION & PARTS LIST
26,27	SPINNER & BERM CHUTE KITS & PARTS LIST
28,29	SPINNER DEFLECTOR KITS
30,31	HYDRAULIC MOTORS PARTS LIST
32	HYDRAULIC SYSTEM SPECIFICATIONS
33	WARRANTY and WARRANTY CARD INFORMATION
34	NAME PLATE INFORMATION & CONTROL

MOUNTING INSTRUCTIONS FOR "S" SERIES TAILGATE SPREADERS

General

This spreader is designed to mount rigidly on the rear of the truck dump body, below the tailgate, and supported by brackets bolted to the rub rails of the dump body. Instructional drawings are included in this manual to show the details on pages 6 & 7.



Caution!

Support spreader and other heavy components solidly when positioning for mounting on truck dump body.

Important!

On occasion, due to improper handling during shipment or storage, the vertical ends of the trough get bent in or out slightly. Be sure these are square and true before installation. Once installed, the mounting brackets should prevent further deformation.

1. Position the spreader under the dump body tailgate with the auger drive housing to the right side of the truck. The trough lip on the forward side of the spreader should be as close as possible to the cross member under the floor of the dump body.

The tailgate of the dump body should lay down horizontally over the spreader, yet the spreader must be mounted up under the tailgate as high as possible.

2. After the spreader has been positioned as desired, the spreader mounting brackets may be attached. See instructions with drawing on page 6, for mounting kit furnished with your spreader.
3. If there is a gap between the trough lip and the dump body rear cross member, a "spillboard" of about 3/16" x 2" steel may be welded or bolted to the forward lip of the spreader to form a seal under the dump body floor. It may have to be notched or cut to fit around tailgate latches or other obstructions on the rear of the dump body.
4. Tailgate shields (62412), if required, are bolted or welded to the inside of the tailgate to prevent material spillage at the ends of the spreader.
5. The spinner assembly is next hung on its hinge pin and the parallel linkage installed. See instructional drawing included in this manual on page 7.

The frame bar (62413), is welded to the outside of the truck's main frame side rail - left hand side - and positioned so that the center line of the hole is exactly 14.0" below the dump body hinge pin center line on a vertical line.

MOUNTING INSTRUCTIONS

Continued

If this point cannot be made because of interference from a spring hanger or unusual dump body design, or other reasons, then the following steps must be taken.

- a. Locate the hinge point in the frame bar ahead and/or below the point as described above but as close as possible to that point.
- b. If the hole in the spinner linkage bar does not line up with the truck frame bar (62413), then adjust the spinner linkage bar (62414) until it is as close as possible to this desired position. For the SA or SD spinner location, the spinner linkage bar should hang directly underneath the spinner frame channel. (See Figure 1 below.) Also, see page 7 for further instructions.
- c. Install the two linkage rods (62415), one in the spinner lug and one in the frame bar.

Keeping the spinner assembly level and centered between extreme left and right positions, weld linkage rods solidly at lapped joint.

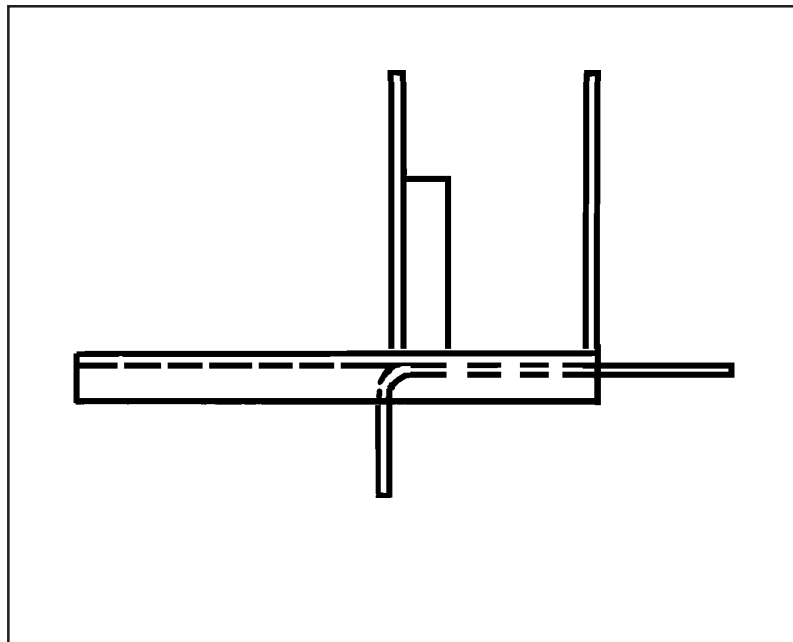
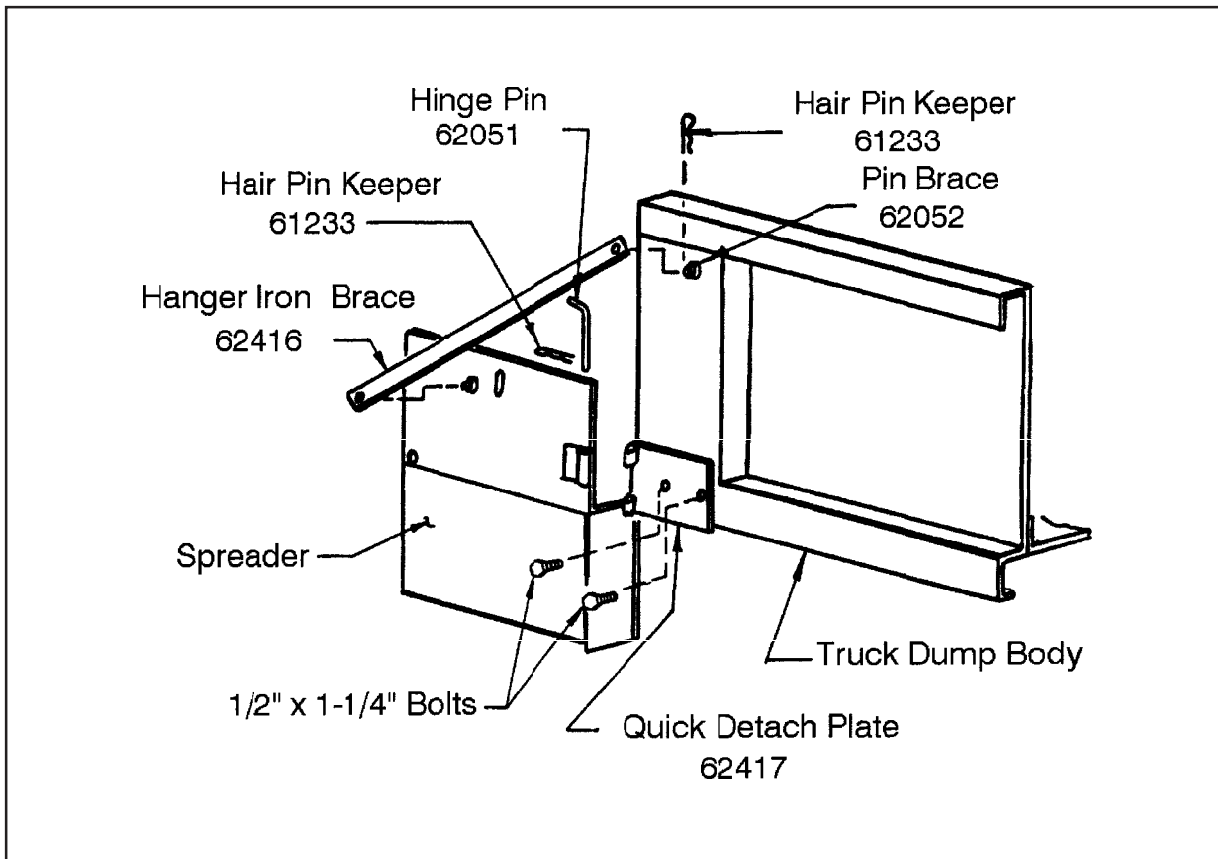
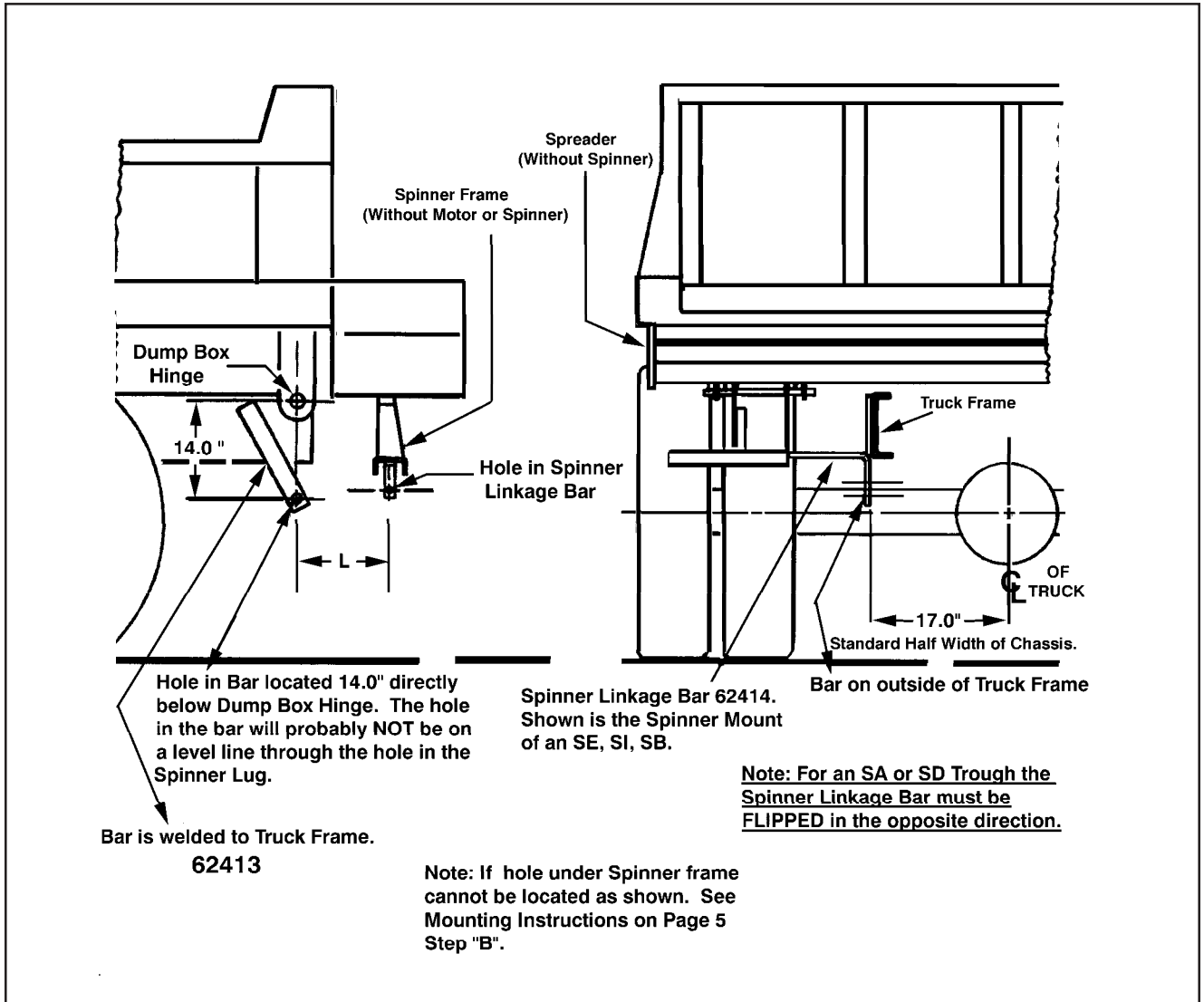


FIGURE 1
Spinner Linkage Bar Mount
for an SA or SD Trough



- 1) Position spreader against rear of truck to desired height.
- 2) Center dump body side plate bracket over dump body rub rail and flush with rear end of dump body.
- 3) Drill two (2) holes for 1/2" bolts through bracket and rub rail and bolt solidly.
- 4) Position hanger iron brace to best suit conditions.
- 5) Locate pin brace on dump body approximately as shown using brace for exact positioning. (Brace may require bending for proper fit).
- 6) Weld pin brace solidly to dump body and pin with hairpin keeper.

INSTRUCTIONAL DRAWING SHOWING "PARALLEL LINKAGE" INSTALLATION FOR SPINNER FRAME



MOUNTING INSTRUCTIONS FOR THRU-SHAFT HYDRAULIC PUMP, RESERVOIR, FILTER, VALVE, AND HOSES (All Standard Truck And Hydraulic Spreader Plumbing Installations)

INSTRUCTIONS FOR PTO MOUNTED AND FRONT MOUNTED PUMPS WILL BE FURNISHED UPON REQUEST.

General:

The thru-shaft pump, valve, reservoir & filter, with mounting brackets and fasteners may be used on most any truck with an existing transmission PTO and continuously operating dump hoist pump installation.



DANGER

1. If dump body is raised for easier pump installation, it must be blocked securely before disconnecting hoist pump.

IMPORTANT!

1. Taking time to plan location of major hydraulic components will save time in further plumbing operations.
2. All pipe fittings should be cleaned before installing, and all other hydraulic components to be kept as clean as possible during assembly.
3. Check rotation of PTO for proper pump mounting.
4. Pump must be mounted so shaft rotates in direction of arrow.
5. Two U-Joints (one standard type, and one slip type) must be used on ends of each piece of shafting installed in drive train.
6. Yokes on U-Joints must be in phase (time) for smooth operation. Caution! All set screws in U-Joints must be tight and properly safety wired.

Pump Installation:

1. Check PTO RPM with truck engine at 2000 RPM. This reading should be in the operating range of 1200 to 1500 RPM. If this range cannot be achieved it will be necessary to change the PTO accordingly.
2. Pump is installed between transmission PTO and existing hoist pump. Remove existing shaft connecting PTO to hoist pump.
3. Determine best location for pump, and mount on bracket. (Following general instructions below)
 - a. Keep in mind location of suction hoses, pressure hoses, and valve.
 - b. Pump drive shafting should be in as straight a line as possible not to exceed 15° bend at any U-Joint.

- c. Pump drive shafting may be cut to length as needed.
- d. If hoist pump is swivel type that moves as dump body is raised or lowered, distance should be allowed between new pump and hoist pump for workable slip U-Joint.
- e. Short leg of pump bracket is bolted inside truck chassis frame.
- f. Pump is bolted to long leg of bracket using holes which best align PUMP.
- g. Mounting bracket may be re-bent as needed, and any excess cut off.
- h. Furnished brace may be welded as needed for added support on pump bracket.

Note: Moving of hoist pump may be required, follow above general instructions as needed for reinstallation of hoist pump.

Reservoir And Filter Installation

1. Locate reservoir as close to pump as possible.
2. Reservoir may be located inside or outside truck frame. (Ease in filling reservoir is important.)
3. Tank mounting brackets may be bolted to truck frame.
4. 3/4" Plug at bottom of reservoir is drain.
5. Filter is screwed directly onto reservoir with cartridge down.
6. Oil must flow through filter in direction of arrow on filter.
7. Screw plug, or gauge (optional) into filter.

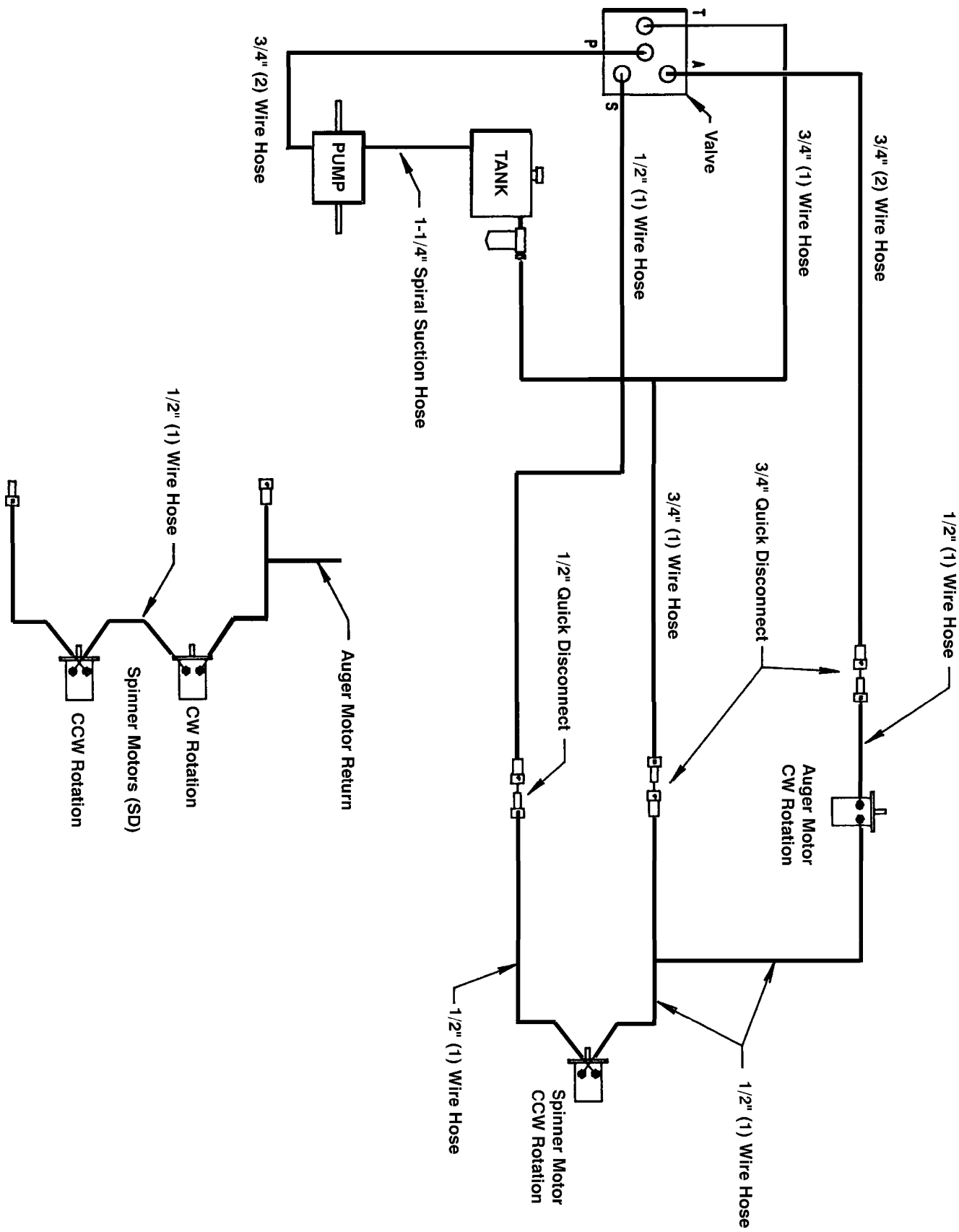
Valve Installation

1. Consider final location of valve before assembling; depending upon location of valve, pipe fittings in valve body may require different positioning than that shown on valve assembly instructions included in this manual (page 14).
2. Locate valve in truck cab in position convenient for driver, and for hosing or piping through floorboard under driver's seat.
3. Valve may be operated in any position desired.
4. WHEN SPREADER IS NOT IN USE OR REMOVED FROM TRUCK, VALVE ON-OFF LEVER SHOULD BE IN OFF POSITION

Hose Installation,

Enough hose and fittings are furnished in various kits for standard spreader installation. Refer to the complete hydraulic plumbing diagram included in this manual for hosing all mounted components (page 10 & 11).

NOTE: Spinner assemblies on tailgate spreaders must be in extreme left position when installing hoses between spinner motor and quick disconnects are rear of truck chassis.

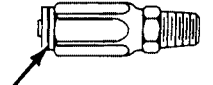
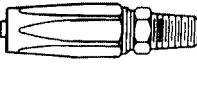
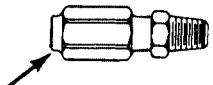
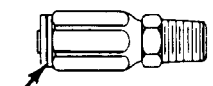
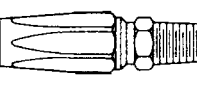
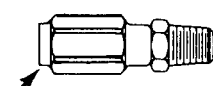
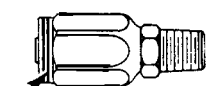

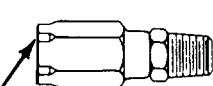


INSTALLATION NOTES

1. HYDRAULIC COMPONENTS SHOULD BE KEPT AS CLEAN AS POSSIBLE DURING ASSEMBLY OPERATIONS.
2. GALVANIZED PIPE AND FITTINGS MUST NOT BE USED, FLAKING OF GALVANIZED MATERIAL CAN DAMAGE HYDRAULIC COMPONENTS.
3. PIPE JOINT SEALANT. COMPATIBLE WITH HYDRAULIC OIL, MUST BE USED ON ALL SCREWED FITTINGS.
(TEFLON TAPE IS NOT RECOMMENDED)
4. SUFFICIENT HOSE SHOULD BE ALLOWED FOR RAISING DUMP BODY WITHOUT KINKING OR STRETCHING HOSE.
5. HOSE SHOULD BE PROTECTED WHERE SEVERE WEAR MAY BE CAUSED BY VIBRATION OR SLIDING MOVEMENT.
6. LONG HOSE RUNS SHOULD BE SUPPORTED BY WIRE TIE OR CLAMPS
7. (AUGER. SPINNER)
PRESSURE AND RETURN HOSES MAY BE REVERSED FOR PROPER MOTOR ROTATION.
8. THREE HOSE LINES TO REAR OF TRUCK MAY BE INSTALLED INSIDE OF TRUCK FRAME. UNDER DUMP BODY FLOOR. AND SECURED IN PLACE.
9. USE HOSE MANUFACTURERS RECOMMENDED REUSEABLE HOSE END FITTINGS.
10. TO ELIMINATE HOSE TWISTING. ALLOW HOSE END CLAMP TO REMAIN LOOSE UNTIL FITTINGS ARE TIGHT

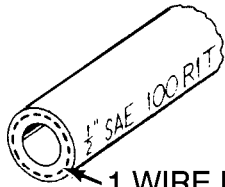
HOSE END ASSEMBLY INSTRUCTIONS

FITTING IDENTIFICATION

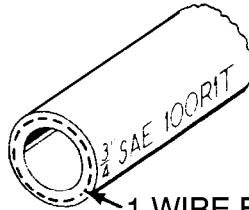
	GATES	AEROQUIP	PARKER
$\frac{1}{2}$ " 1 WIRE	 Single Groove	 Plain Machining	 Plain Shoulder
$\frac{3}{4}$ " 1 WIRE	 Single Groove	 Plain Machining	 Plain Shoulder
$\frac{3}{4}$ " 2 WIRE	 Double Groove	 Large Groove	 Machine Notches

HOSE IDENTIFICATION

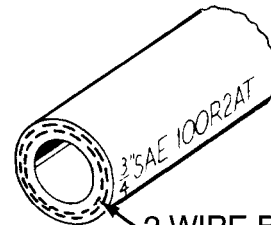
(Locate S.A.E. number on hose as shown)



1 WIRE BRAID
1/2" (1 Wire Hose)

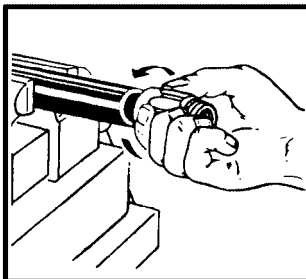


1 WIRE BRAID
3/4" (1 Wire Hose)



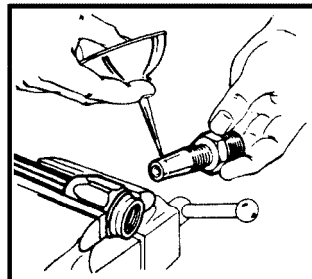
2 WIRE BRAID
3/4" (2 Wire Hose)

ASSEMBLY INSTRUCTIONS



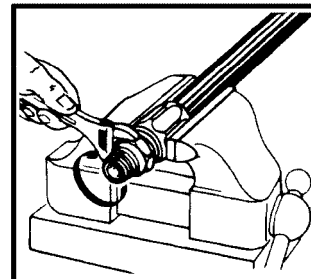
Step 1

Liberalily oil hose cover with lube oil, place hose in a vise just tight enough to prevent it from turning. Screw socket onto hose counter-clockwise until it bottoms. Back off 1/2 turn.



Step 2

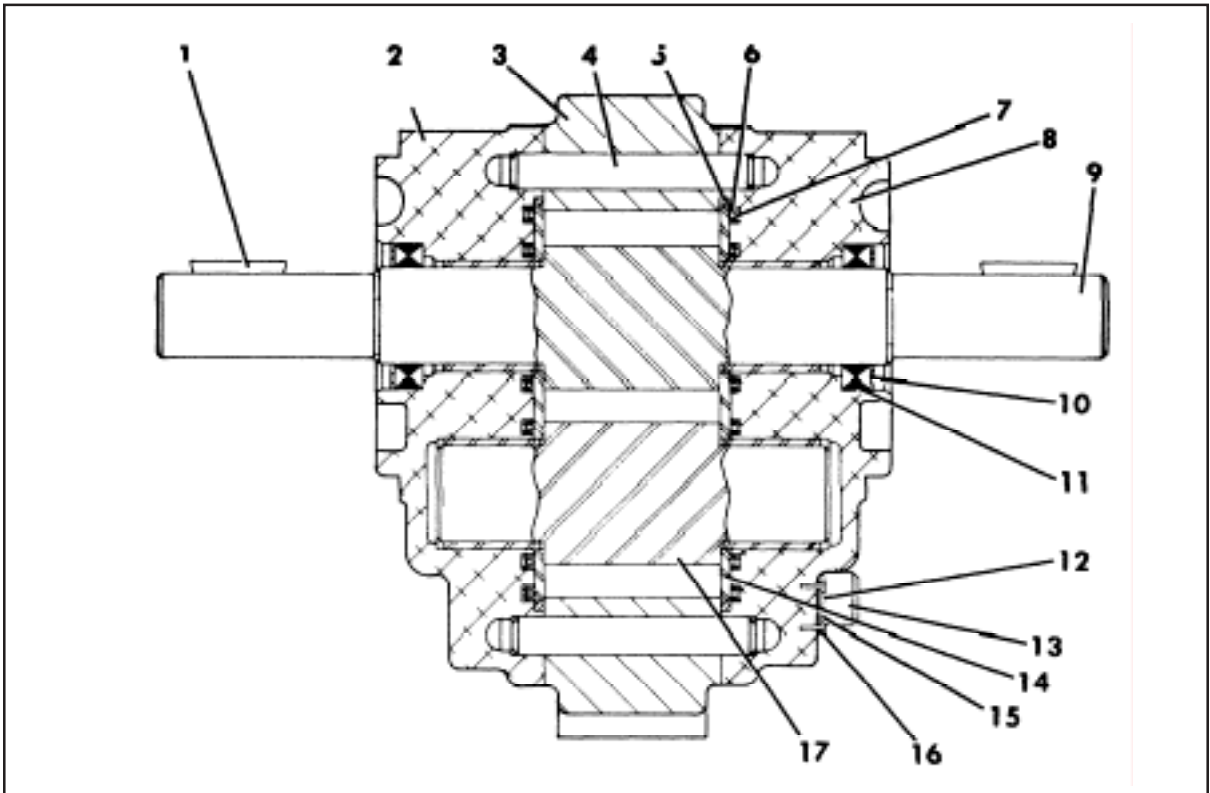
Oil nipple threads and inside of hose liberally.



Step 3

Screw nipple clockwise into socket and hose. Leave 1/32" to 1/16" clearance between nipple hex and socket. Clean and inspect all assemblies. Disassemble in reverse order.

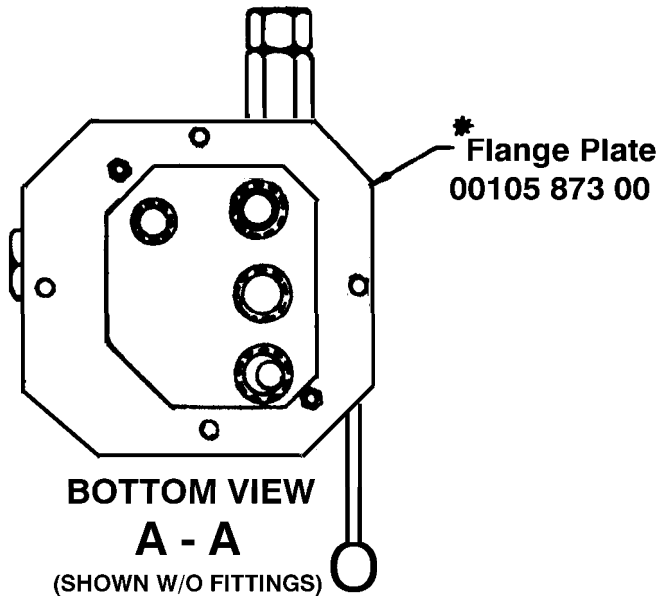
GEAR PUMP 16 Gal.
- Webster -
(62418)



PARTS LIST

Item	Part No.	Qty.	Description
1	04102-071-07	2	#15 Woodruff Key
2	04102-071-01	1	L.H. Body Assembly
3	04102-064-01	1	Gear Plate
4	04102-068-04	2	Dowel Pin
5	_____	2	Ring Seal
6	_____	2	Load Seal
7	_____	2	Pre-Load Seal
8	04102-071-05	1	R.H. Body Assembly
9	04102-064-02	1	Drive Shaft
10	_____	2	Retaining Ring
11	_____	2	Oil Seal
12	04102-071-08	6	Washer
13	04102-064-03	6	Socket Head Screw, 3/8" x 3-3/4"
14	_____	2	Wear Plate
15	04102-071-11	1	Name Plate
16	04109-071-12	2	Drive Screw
17	04102-068-10	1	Idler Gear
	04102-064-90	--	Minor Repair Kit
		13	(Consisting of Items 5,6,7,10,11,14)

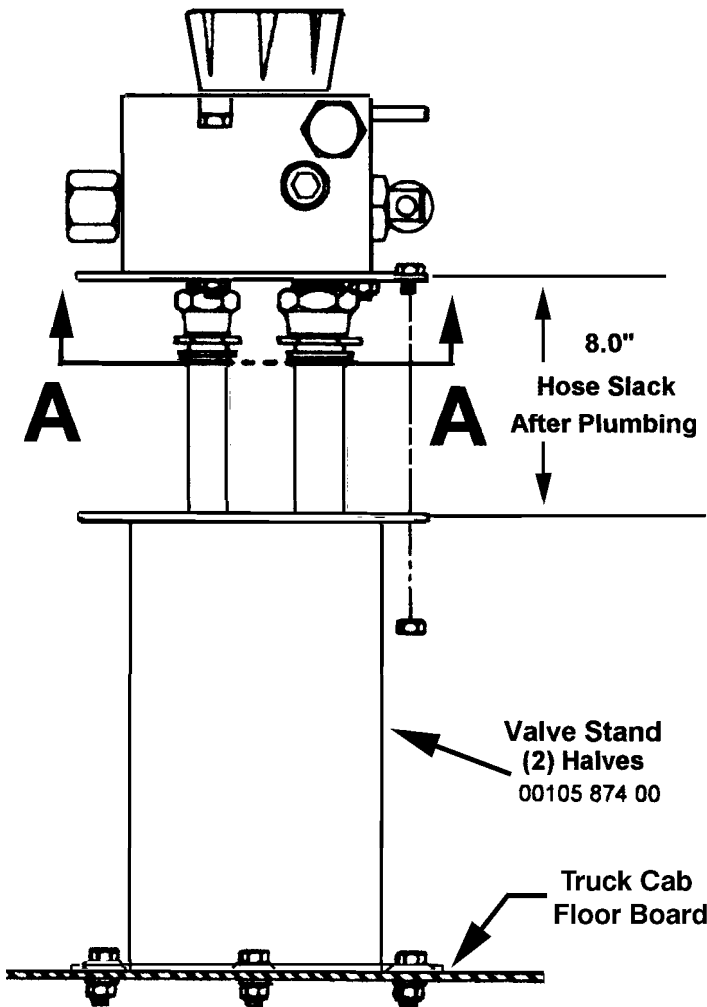
DUAL FLOW VALVE/STAND INSTALLATION INSTRUCTIONS



1. **IMPORTANT:** A pipe joint sealant compatible with hydraulic oil must be applied to all screw fittings. (Teflon Tape Sealant Is Not Recommended)
2. Hose ends connected to flow valve must be of the "swivel" type.
3. **CAUTION:** Over tightening of the fittings in flow valve may cause damage to valve body.
4. Approximately 8" of hose slack must be realized between the flow valve and valve stand after the flow valve has been completely plumbed. If this condition does not exist after the plumbing has been completed, removal of valve will require hoses to be removed at opposite end of valve.

5. Assembly of valve on stand:

- A. Cut a 5" x 5" square opening in floor board of truck where the valve stand is to be located.
- B. Bolt valve stand halves together forming a "box" over the 5" x 5" square opening. **NOTE:** When bolting valve stand halves in place, make sure holes in flanges align with holes in flange plate.*
- C. Bolt flange plate to VALVE (Use (2) 1/4" x 3-1/2" bolts, lockwashers, etc.)
- D. Insert hoses through floor opening and valve stand and connect appropriate hoses (see instruction #1 thru #4) to flow valve.
- E. Bolt flange plate to valve stand flanges.



VALVE STAND KIT

(00001 692 00)

Parts List

PART NO.	QTY.	DESCRIPTION
00105-874-00	2	Valve Stand (Upright)
00105-873-00	1	Flange Plate Valve Stand
04003-001-10	2	1/4" x 3-1/2" H.H. Bolt
04003-001-05	8	1/4" x 1.0" H.H. Bolt
62478	10	1/4" H.H. Nut
20325	10	1/4" Lockwasher

HYDRAULIC KIT (8-11' Dump Body)

(00001 206 00)

Parts List

PART NO.	QTY.	DESCRIPTION
04120-003-01	2	Hose, 1/2" x 48" x (1) Wire
04120-003-12	2	Hose, 1/2" x 60" x (1) Wire
04120-026-04	1	Hose, 1/2" x 15' x (1) Wire
04120-014-04	1	Hose, 3/4" x 15' x (1) Wire
04120-033-01	1	Hose, 3/4" x 25' x (2) Wire
62074	2	Quick Disconnect, 1/2"
04119-027-00	2	Quick Disconnect, 3/4"
62419	2	Reuseable Hose End, 1/2"
62420	6	Reuseable Hose End, 3/4"
62421	4	Reuseable Hose End, 3/4"
62422	1	Swivel Adapter, 1/2" (F) x 1/2" (M)
62431	4	Swivel Adapter, 3/4"
04110-016-05	1	Bushing, 1" x 3/4" Reducing
04110-016-04	1	Bushing, 3/4" x 1/2" Reducing
04110-028-01	1	Nipple, 3/4" Close
21387	1	Tee, 3/4"
21454	1	Tee, 3/4" x 1/2" x 1/2" Reducing
04110-027-05	1	Nipple, 1/2" x 3"
04110-004-04	1	Elbow, 1/2" 90 Degree
04110-006-04	1	Elbow, 1/2" 90 Degree Street

OPERATING INSTRUCTIONS FOR ALL TAILGATE SPREADERS HAVING SEPARATE MOTORS FOR AUGER AND SPINNER



CAUTION!

1. When starting up new equipment, be sure every one is ***standing clear, watch*** for anything that may require shutting system down.
2. Be sure lever on valve is moved completely to “off” position and power to hydraulic system is “off” before working in or around spreading equipment.

Initial Start Up

1. Fill reservoir about three-fourths full with high grade non-foaming hydraulic oil. KEEP OIL CLEAN.
2. Move valve on-off lever to “off” position.
3. Open auger and spinner knobs on valve.
4. Engage PTO and allow hydraulic oil to circulate several minutes to warm up.
5. Move valve on-off lever to “on” position.
6. Check entire hydraulic system for leaks
7. Examine auger and spinner to see if they are functioning properly.
8. Refill reservoir to three-fourths full.
9. Hydraulic system is ready for use.

Preparing Spreader For Use

1. Position cover plate vertically and secure with locking brackets.
2. Open dump body tailgate from bottom as wide as possible but not bearing against cover plate, set the stop chains.
3. Loosen spinner clamp and slide spinner assembly to far left, and tighten clamp. (Position for spreading three or four lane highway from right lane)
4. Start truck engine and allow hydraulic system to warm up by shutting off spinner and auger knobs and moving on-off lever to “on” position.
5. Spread small amount of material to determine placement of material at various spinner and auger speeds in this far left position.
6. Loosen spinner clamp and slide spinner assembly to far right and tighten clamp. (Position for spreading behind truck and to extreme right covering up to four lanes from left lane)
7. Spread small amount of material to determine placement of material at various spinner and auger speeds in this far right position.
8. Various spread patterns may be acquired by placing spinner at various positions from left to right, and changing auger and spinner speeds on valve.

Spreader Features:

1. Any valve setting changes may be made while truck is in motion.
2. Spinner and auger may be stopped at the same time, without changing their valve settings, by moving on-off lever to “off” position.
3. For normal use of dump truck, cover plate may be laid flat over spreader trough and locked in place. Tailgate may be opened from top or bottom.

4. Spinner should be removed when truck is used for extensive hauling.
5. If auger clogs, it may be "shocked" loose by shutting off spinner, completely opening auger knob on valve, increasing engine speed and then rapidly moving valve lever to "on" and "off" positions. If this is not effective, manually unclogging machine is necessary.



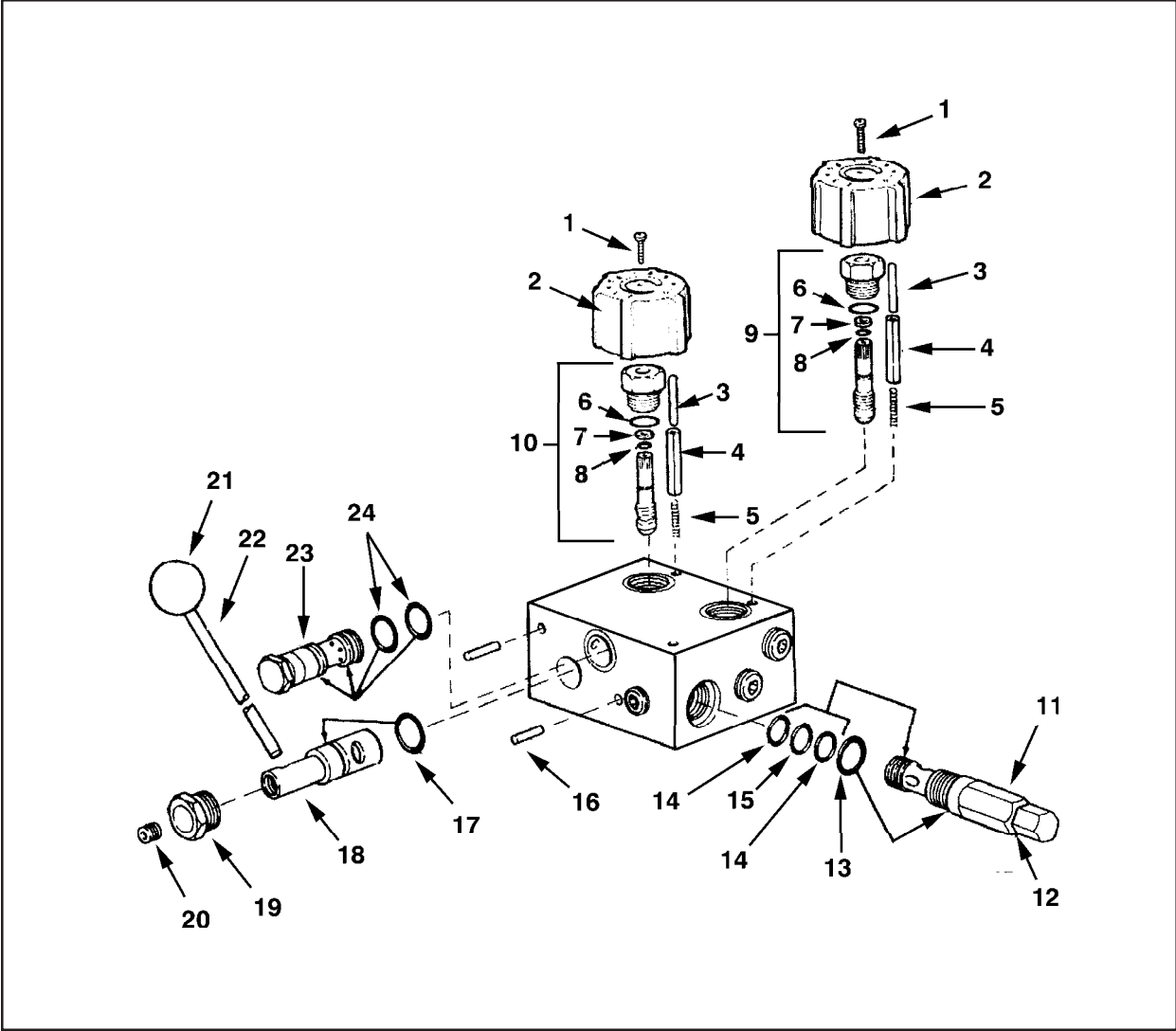
CAUTION ! Before working in auger area, valve lever must be in "off" position, PTO must be disengaged and engine must be shut off. Bottom gate may then be opened for unclogging auger

NOTE:

DISCONNECT SPINNER PARALLEL LINKAGE **BEFORE** OPENING BOTTOM GATE.



CAUTION ! WHEN SPREADER IS REMOVED OR NOT IN USE THE VALVE ON-OFF LEVER SHOULD BE IN THE OFF POSITION. IF LEFT IN ON POSITION A HEAT PROBLEM MAY OCCUR IF PUMP CONTINUES TO PUMP OIL TO THE HYDRAULIC VALVE. THIS COULD CAUSE A HOSE TO BURST SPRAYING HOT OIL OVER EVERYTHING.



DUAL HYDRAULIC FLOW CONTROL VALVE (62213)

Parts List

Item	Part No.	Qty.	Description
1	62383	2	Screw
2	62098	2	Handknob
3	62384	2	Dowel Pin
4	62385	2	Roll Pin
5	62386	2	Spring
6	04105-285-06	2	O-Ring, Viton
7	04105-285-07	2	Back-up, Teflon ®
8	04105-285-08	2	O-Ring, Viton ®
-	62099		Kit, Seal - Consists of Items 6, 7, & 8
9	04105-285-10	1	Auger Adj. Assy. - 7 GPM
	04105-285-11	1	Auger Adj. Assy. - 10 GPM
	62387	1	Auger Adj. Assy. - 15 GPM
	04105-285-13	1	Auger Adj. Assy. - 20 GPM
	04105-285-14	1	Auger Adj. Assy. - 25 GPM
	04105-285-15	1	Auger Adj. Assy. - 30 GPM
10	04105-285-16	1	Spinner Adj. Assy. - 5 GPM
	62388	1	Spinner Adj. Assy. - 7 GPM
	04105-285-18	1	Spinner Adj. Assy. - 10 GPM
11	62389	1	Relief Cartridge
12	04105-285-20	1	Gasket
13	62100	1	O-Ring, Viton ®
14	04105-032-30	2	Back-up, Teflon ®
15	62102	1	O-Ring, Viton ®
16	04105-285-24	2	Roll Pin
17	62103	1	O-Ring (Dump Stem)- (Not Available)
18	04105-032-21	1	Stem (NOT AVAILABLE)
19	04105-285-26	1	Plug
20	62390	1	Setscrew
21	62391	1	Handknob
22	62392	1.	Lever
23	62393	1	Bypass Assy.
24	62104	2	O-Ring, Viton ®
	04105 285 40		NOT SHOWN Kit, Seal (For Item 11) Consists of Items: 12, 13, 14 & 15
	62394		Kit, Seal Consists of Items: 6, 7, 8, 12, 13, 14, 15, 17, 23, 24

RECOMMENDED MAINTENANCE FOR MATERIAL SPREADERS



Caution !

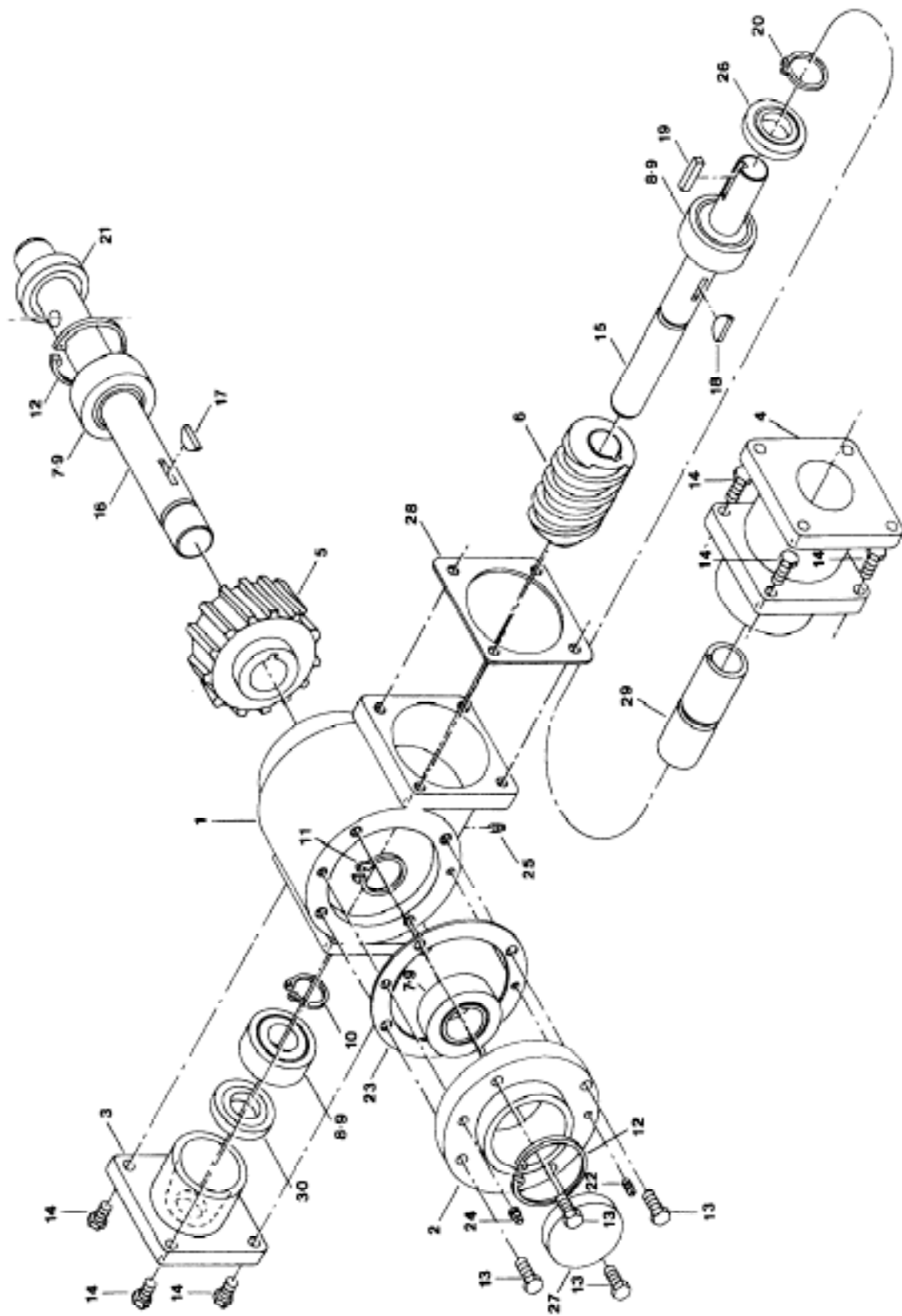
1. Always replace shields and covers when maintenance is complete.

Maintenance For All Material Spreaders:

1. Allow hydraulic system to warm up before using.
2. Maintain a three-fourths full reservoir using high grade non-foaming hydraulic oil.
3. Avoid getting contaminants in reservoir when filling.
4. Replace filter cartridge (62382) with new cartridge at least twice a year and more often if necessary. (Optional gauge has red zone indicating when cartridge needs changing.
5. Clean quick disconnects before taking apart or connecting.
6. Protect quick disconnects while in use and after taking apart with suitable protection.
7. All bearings require periodic greasing, and more frequent greasing during periods of greater use.
8. Greasing pump shaft U-joints and slip-end of slip U-Joints is recommended with each truck lubricating.
9. Drive chains should be checked frequently, cleaned, greased, and taken up if slack is excessive.
10. Oiling or greasing spinner hinge rod (if on spreader) is suggested.
11. Gear boxes should be checked for proper lubrication level, and SAE 90 gear type lubricant added if necessary.
12. Drive chains and drag chains of all types should be checked for slack shortly after initial start up, and if necessary, slack should be taken up.
13. Hosing down and cleaning spreader after each use, and repainting or oiling after each season will greatly prolong spreader life.
14. Spreader trough or hopper should be kept empty to prevent material from freezing around Auger in severe cold weather.

HYDRAULIC TROUBLE-SHOOTING CHART

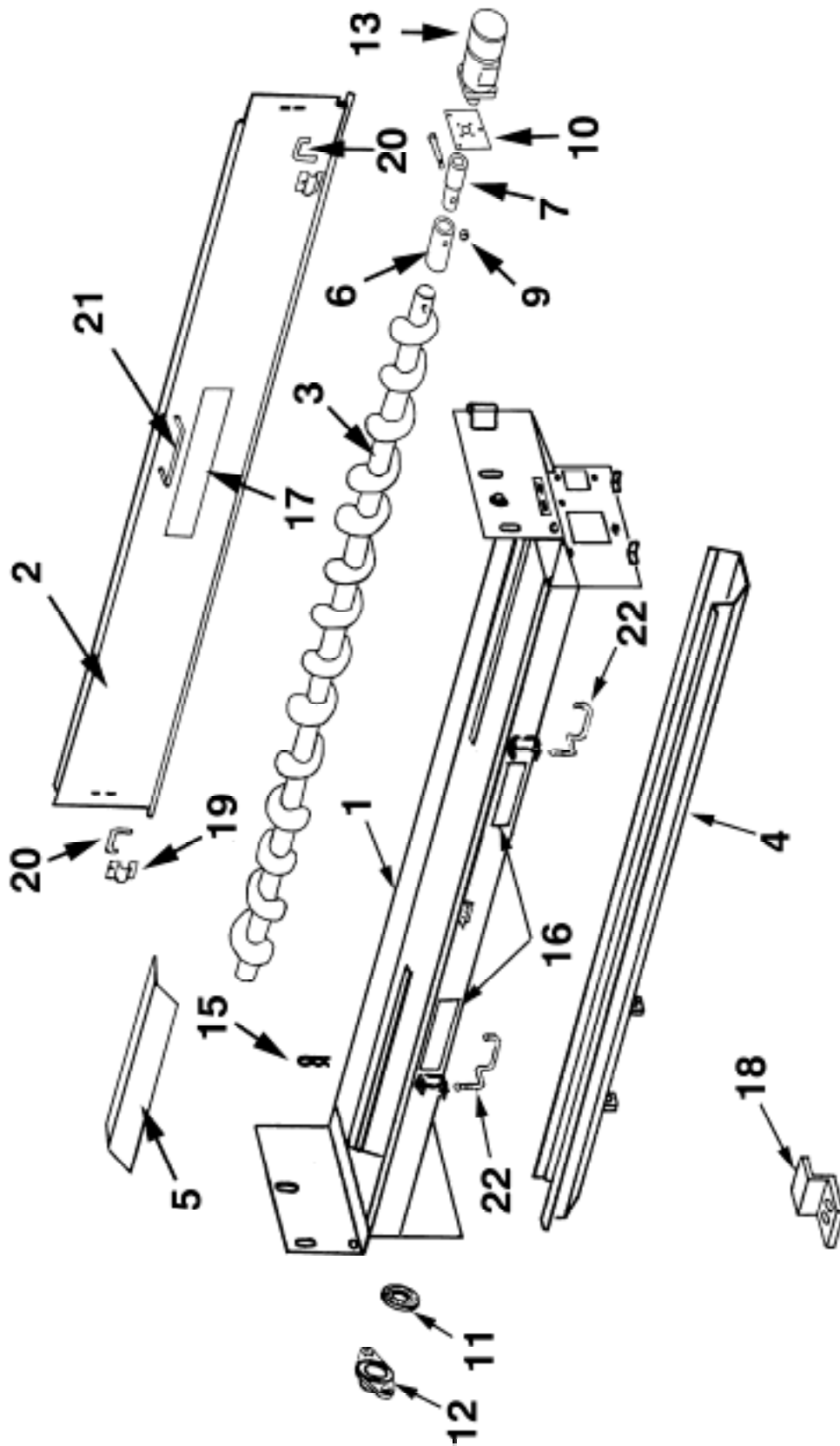
<p>CONDITION 1 Pump cavitation recognized by excessive noise.</p> <p>CAUSE</p> <ol style="list-style-type: none"> a. Air entering system through suction lines. b. Suction line kinked, twisted or too long. c. Inadequate size suction line. d. Oil too heavy. e. Excessive pump speed. Normal pump speed 1200 to 1500 RPM. <p>CORRECTION</p> <ol style="list-style-type: none"> a. Check line from reservoir for possible leaks. b. Install suction line as short and straight as possible. c. Increase suction line size. d. Drain and replace with a low viscosity non-foaming oil. e. Pump capacity is 16 GPM at 1000 RPM. Decrease PTO speed accordingly. 	<p>CONDITION 3 Erratic operation of auger and/or spinner.</p> <p>CAUSE</p> <ol style="list-style-type: none"> a. Low oil. b. Worn or defective motor. c. Dirty, worn or defective flow control valve. d. Plugged filter. e. Relief valve setting too low. f. Pump cavitation. g. Air vent on reservoir tank is blocked. <p>CORRECTION</p> <ol style="list-style-type: none"> a. Fill reservoir to a 3/4 full level. * b. Repair or replace motor. * c. Clean repair or replace flow control. d. Replace filter element and clean filter. e. Adjust relief valve for 1500 PSI. f. Refer to pump section. g. Clean or replace vent cap to admit atmospheric pressure to inside the tank.
<p>CONDITION 2 Slow operation of auger and/or spinner.</p> <p>CAUSE</p> <ol style="list-style-type: none"> a. Worn or defective pump. b. Worn or defective motor. c. Pump cavitation. d. Insufficient pump speed. <p>CORRECTION</p> <ol style="list-style-type: none"> * a. Repair or replace pump. * b. Repair or replace motor. c. Refer to pump section. d. Pump capacity is 16 GPM at 1000 RPM. Increase PTO accordingly. 	<p>CONDITION 4 Auger and/or spinner will not operate.</p> <p>CAUSE</p> <ol style="list-style-type: none"> a. Quick disconnects are dirty, damaged or improperly connected. b. Hose connections wrong. C. Foreign material in valve compensator <p>CORRECTION</p> <ol style="list-style-type: none"> a. Clean or replace and properly connect. b. Refer to illustration. C. Remove compensator and clean



**GEARBOX ASSEMBLY
(04132 079 00)**

Parts List

Item No.	Part No.	Qty.	Description
1	62423	1	Housing
2	62424	1	Cover
3	62425	1	End Cap - Open
4	62426	1	Hydraulic Adapt. (4-Bolt)
5	62427	1	Ring Gear
6	62428	1	Worm
7	62025	2	Bearing Cone
8	62022	2	Bearing Cone
9	62019	4	Bearing Cup
10	62026	1	Snap ring - Input
11	62027	1	Snap ring - Output
12	62020	2	Snap ring
13	62028	4	Capscrew, 3/8" x 3/4"
14	04132-079-07	8	Capscrew, 3/8" x 7/8"
15	62429	1	Shaft, Input
16	62430	1	Shaft, Output
17	62029	1	Key, Woodruff (Hard)
18	62024	1	Key, Woodruff (Hard)
19	62432	1	Key, 1/4" Sq. x 1" (Soft)
20	62433	1	Snap ring Coupling
21	62030	1	Seal, Output
22	62016	1	Plug, 1/8"-27 NPT (Level)
23	62031	1	Gasket
24	04132-079-14	1	Plug, Fill/Vent, 3/8"-18 NPT
25	04132-079-11	1	Plug, 1/4"-18 NPTF Drain
26	62434	1	Seal, Input
27	62018	1	Cap
28	62435	1	Gasket
29	62436	1	Coupling
30	62437	1	Seal, End Cap
	62021	A/R	Shim (Not Shown)



"S" SERIES SPREADER

Direct Drive

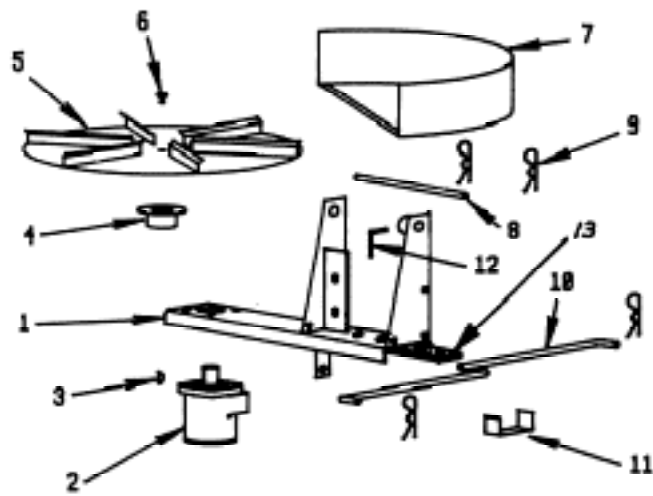
Parts List

Item	Part No.	Qty.	Description
1	62438	1	Weldment, Trough
2	62439	1	Weldment, Cover
3	62445	1	Weldment, "SA" Auger
4	62440	1	Weldment, "SA" Bottom Door
5	62441	A/R	Cover, Flow ("SA")
6	00106 321 00	1	Insert, Auger (2")
7	00108 482 00	1	Weldment, Adaptor
8	04003 005 10	1	Bolt, 1/2-13 x 3" H.H. Gr. 5
9	04003 807 11	1	Locknut, 1/2-13 Hex
10	62451	1	Plate, Motor Mounting
11	04005 002 00	1	Washer, 1-1/4" Felt
12	61163	1	Bearing, 1-1/4"
13	62452	1	Motor, Hydraulic (Auger)
14	61230	1	Key, 1/4" x 1" Woodruff
15	61235	A/R	Keeper, Hairpin
16	61208	1	Safety Decal Package
17	21971	1	Decal, Meyer
18	62442	1	Clip, Cover Holddown
19	00115 060 00	2	Bracket
20	62443	2	Handle
21	00115 231 01	1	Handle Lift
22	00113 800 00	2	Latch Handle Door

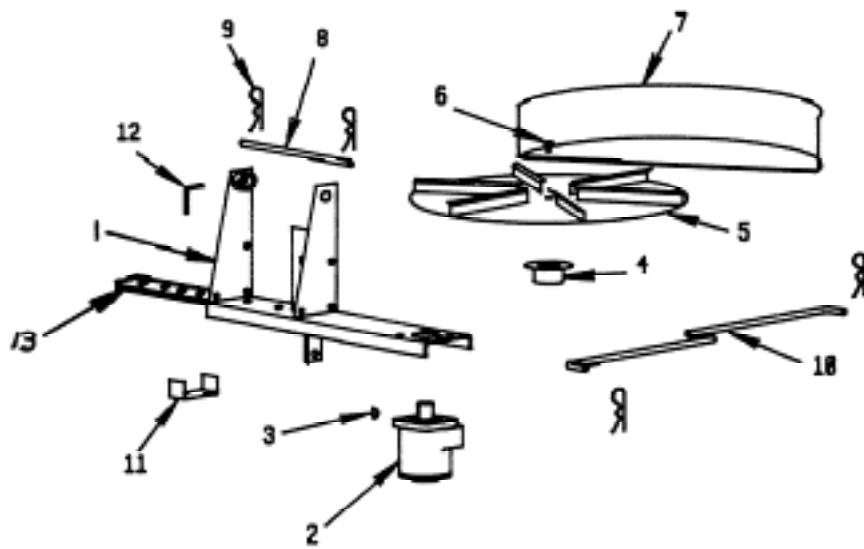
STAINLESS STEEL SPREADERS

Parts List

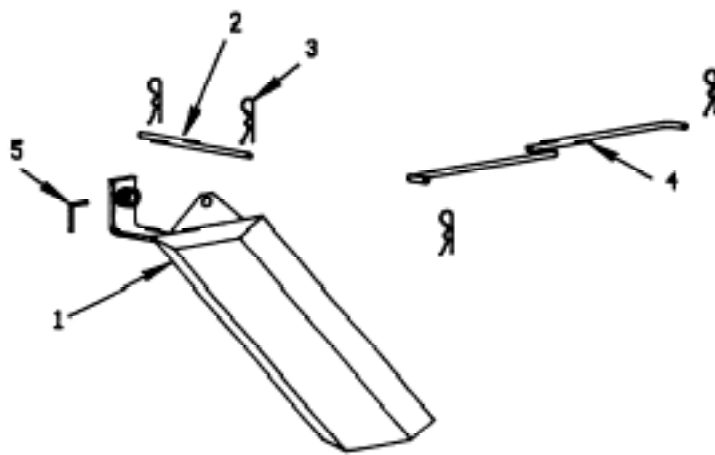
Item	Part No.	Qty.	Description
1	00106 929 00	1	Weldment, Trough
2	00106 927 00	1	Weldment, Cover
4	62444	1	Weldment, "SA" Bottom Door
5	00107 692 01	A/R	Cover, Flow ("SA")
6	00106 321 00	1	Insert, Auger (2")
7	00108 482 00	1	Weldment, Adaptor
8	04003 005 10	1	Bolt, 1/2-13 x 3" H.H. Gr.5
9	04003 807 11	1	Locknut, 1/2-13
10	62451	1	Plate, Motor Mounting
20	00109 360 00	2	Handle



00001 972 01 Spinner Kit
(L.H. CCW Rotation)



00001 972 04 Spinner Kit
(R.H. CW Rotation)



00001 875 00 Berm Chute

SPINNER KIT (L.H. CCW ROTATION)
(00001-972-01)
(Includes Spreader Mounting Hardware)
(FOR SPINNERS LOCATED ON LEFT END OF TROUGH)

Item	Part No.	Qty.	Description
1	62453	1	Weldment, Spinner Frame
2	60324	1	Motor, Hydraulic
3	21203	1	Key, 1/4" x 1" Woodruff
4	62454	1	Hub, Spinner
5	62455	1	Disc, Spinner (Polyurethane)
6	04003-001-16	1	Bolt, 1/4" x 1" H.H. S.S.
7	62456	1	Weldment, Spinner Shield
8	62457	1	Rod, Hinge
9	61233	4	Keeper, Hairpin
10	62415	2	Rod, Parallel Linkage
11	62458	1	Clamp, Hose
12	62459	1	Lock, Spinner
13	62414	1	Bar, Spinner Linkage
			OPTIONAL SPINNER (Not Shown)
	62460	1	Assy., Spinner Disc (Steel)
	62461	1	Disc, Spinner
	62367	6	Flite, Spinner

SPINNER KIT (R.H. CW ROTATION)
(00001-972-04)
(FOR SPINNERS LOCATED ON RIGHT END OF TROUGH)

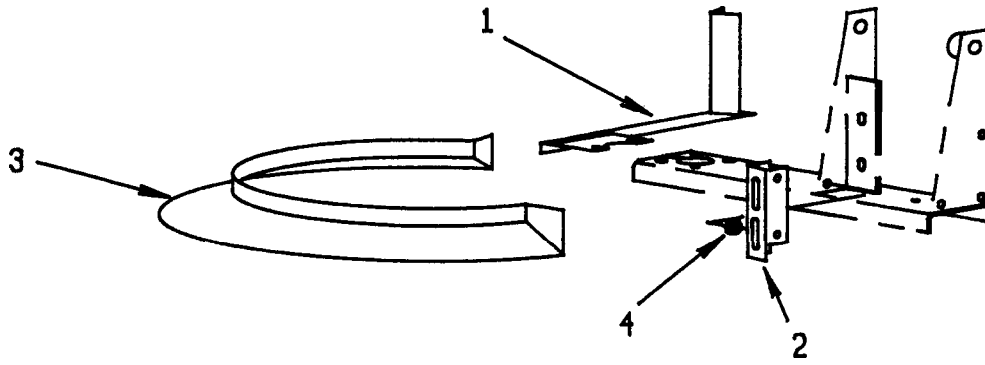
Item	Part No.	Qty.	Description
1	00107-647-00	1	Weldment, Spinner Frame
2	60324	1	Motor, Hydraulic
3	21203	1	Key, 1/4" x 1" Woodruff
4	62454	1	Hub, Spinner
5	62477	1	Disc, Polyurethane Spinner
6	04003-001-16	1	Bolt, 1/4" x 1" H.H. S.S.
7	62456	1	Weldment, Spinner Shield
8	62457	1	Rod, Hinge
9	61233	4	Keeper, Hairpin
10	62415	2	Rod, Parallel Linkage
11	62458	1	Clamp, Hose
12	62459	1	Lock, Spinner
13	62414	1	Bar, Spinner Linkage
			OPTIONAL SPINNER (Not Shown)
	00101-286-00	1	Assy., Spinner Disc (Steel)
	62461	1	Disc, Spinner
	62367	6	Flites, Spinner

BERM CHUTE KIT
(00001 875 01)

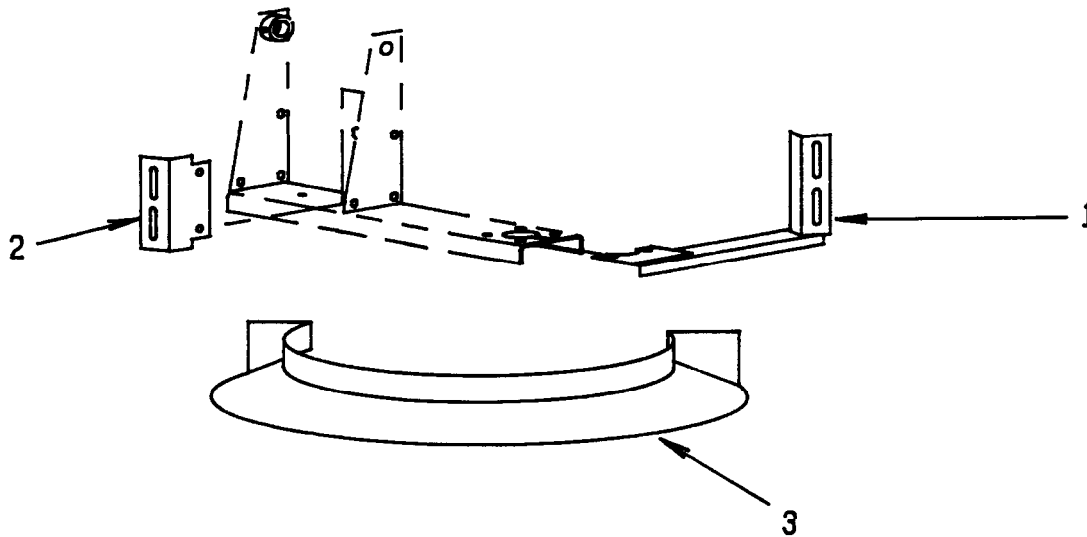
Item	Part No.	Qty.	Description
1	62463	1	Weldment, Berm Chute
2	62457	1	Rod, Hinge
3	61233	4	Keeper, Hairpin
4	62415	2	Rod, Parallel Linkage
5	62459	1	Lock, Spinner

NOTE: ALL KITS INCLUDE MOUNTING HARDWARE

OPTIONAL



00001 876 00
L.H. Dflector Kit



00001 806 00
R.H. Dflector Kit

**DEFLECTOR KIT (L.H.)
(00001 876 00)**

Parts List

Item	Part No.	Qty.	Description
1	08835-001-00	1	Weldment, L.H. Support Bar
2	62464	1	Angle, Vertical
3	62465	1	Shield, Deflector
4	62202	1	Spacer

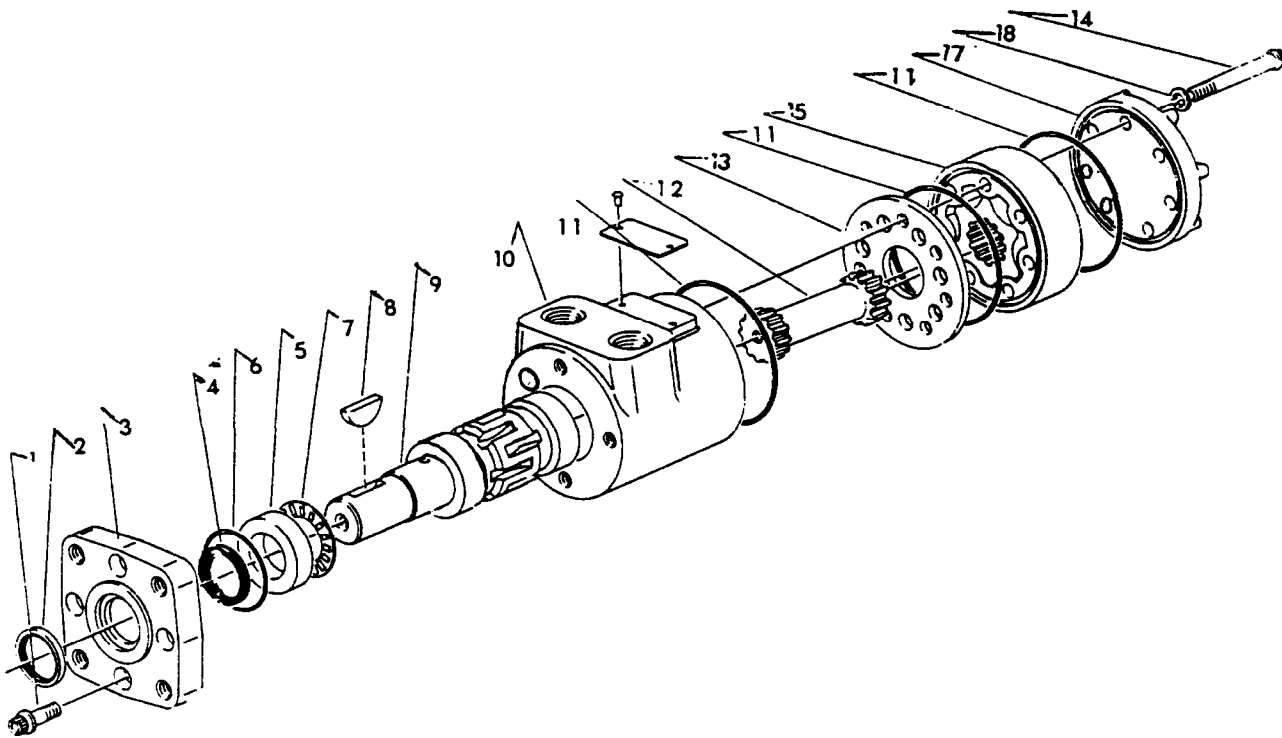
**DEFLECTOR KIT (R.H.)
(00001 806 00)**

Parts List

Item	Part No.	Qty.	Description
1	00106 562 00	1	Weldment, R.H. Support Bar
2	62464	1	Angle, Vertical
3	62465	1	Shield, Deflector

NOTE: ALL KITS INCLUDE MOUNTING HARDWARE

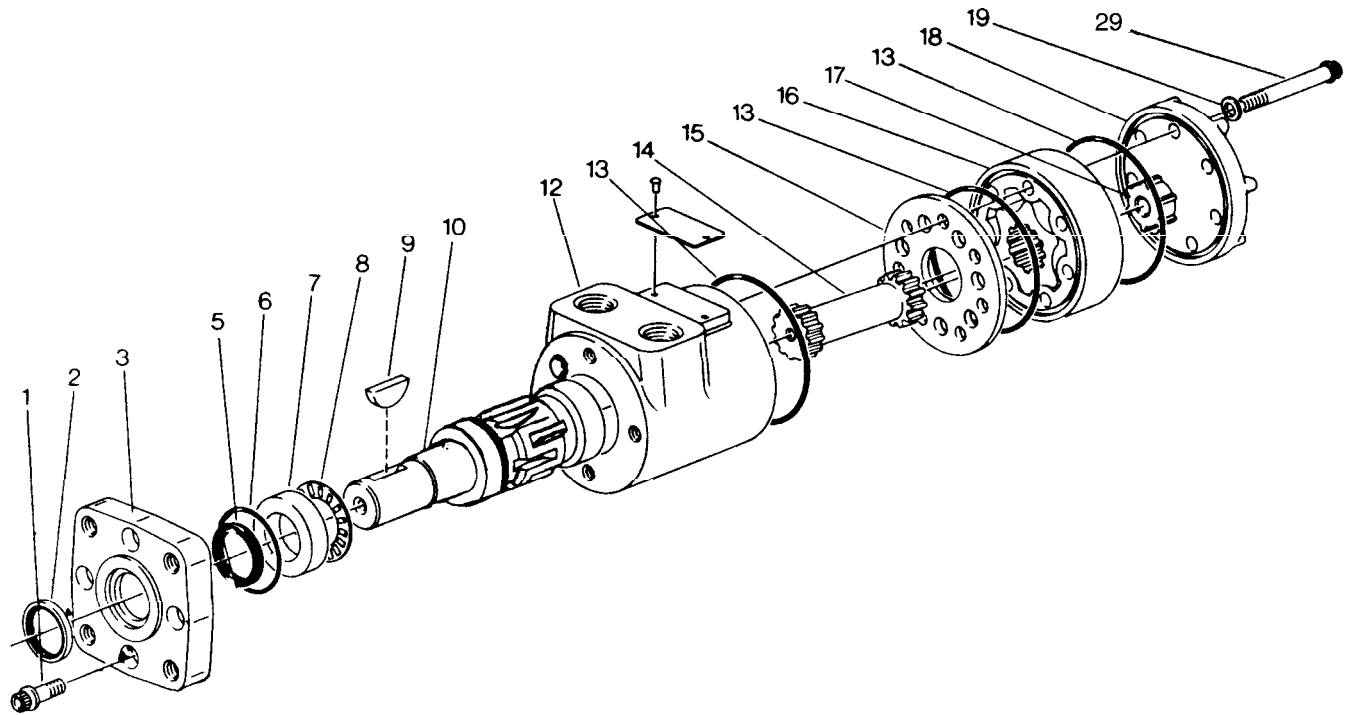
PARTS LIST FOR HYDRAULIC MOTOR 60324 - 61353



Parts List

Item	Part Number	Qty.	Description
1	20644	4	Screw, 5/16" - 24 x 7/8" Cap
2	_____	1	Seal
3	62118	1	Flange, Mounting (4 Bolt)
4	_____	—	Seal, O-Ring
5	04101 035 05	1	Race, Bearing
6	_____	—	Seal, O-Ring
7	04101 035 07	1	Bearing, Thrust Needle
8	04009 002 02	1	Key, 1/4" x 1 " Woodruff
9	04101 035 09	1	Shaft, Output
10	04101 035 10	1	Housing
11	_____	—	Seal, O-Ring
12	04101 035 12	1	Drive (For 04101 035 00)
	04101 037 12	1	Drive (For 04101 037 00)
13	04101 035 13	1	Plate, Spacer
14	20647	4	Screw, 5/16" - 24 x 1 1/2" Cap
	20648	4	Screw, 5/16" - 24 x 1 3/4" Cap
15	04101 035 15	1	Gerotor Set (For 04101 035 00)
	04101 037 15	1	Gerotor Set (For 04101 037 00)
17	62405	1	Cap, End
18	04101 035 18	7	Washer, Seal
	04101 035 21	1	Repaired Motor (for 04101 035 00)
	62117	1	Seal Kit

PARTS LIST FOR HYDRAULIC MOTOR 60324 - 60295 - 62013



Parts List

Item	Part Number	Qty.	Description
1	20644	4	Screw, 5/16" - 24 x 7/8" Cap
2	_____	1	Seal
3	62118	1	Flange, Mounting (4 Bolt)
4	_____	—	Seal, O-Ring
6	_____	—	Seal, O-Ring
7	04101 035 05	1	Race, Bearing
8	04101 035 07	1	Bearing, Thrust Needle
9	04009 002 02	1	Key, 1/4" x 1 " Woodruff
10	04101 035 09	1	Shaft, Output
12	04101 035 10	1	Housing
	_____	—	Seal, O-Ring
14	04101 035 12	1	Drive (For 04101 035 00)
	04101 037 12	1	Drive (For 04101 037 00)
15	04101 035 13	1	Plate, Spacer
16	04101 035 15	1	Gerotor Set (For 04101 035 00)
	04101 037 15	1	Gerotor Set (For 04101 037 00)
18	62405	1	Cap, End
19	04101 035 18	7	Washer, Seal
	04101 035 21	1	Repaired Motor (for 04101 035 00)
	62117	1	Seal Kit
29	20647	4	Screw, 5/16" - 24 x 1 1/2" Cap
	20648	4	Screw, 5/16" - 24 x 1 3/4" Cap

ONE YEAR WARRANTY

Meyer Products promises to the consumer to repair or, at Meyer Products' option, to replace any part of this Meyer Spreader except expendable parts such as pins, spreader fins, and other normal wear items, which proves to be defective in workmanship or material under normal use for a period of one year from the date of delivery to the original purchaser. During this one year Meyer Products will provide to the consumer, through its Distributor / Sub-Distributor network, all parts necessary to correct such defects free of charge. Labor costs incurred for any repairs on this piece of equipment will be the responsibility of the consumer. Faulty parts will be repaired or replaced by the Distributor / Sub-Distributor where that particular piece of equipment was purchased. Any cost incurred in returning the product to the Distributor / Sub-Distributor is the responsibility of the consumer.

The gasoline engine used in this product is covered by its own warranty as provided by the engine manufacturer. A copy of this warranty is included with the engine.

EXCLUSIONS

IN NO EVENT SHALL MEYER PRODUCTS BE LIABLE FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES OR FOR DAMAGES RESULTING FROM LACK OF NECESSARY MAINTENANCE, FROM MISUSE, ABUSE, ACTS OF GOD, ALTERATION OF THE MEYER PRODUCT, OR FROM USE OF PARTS OR HYDRAULIC FLUID NOT SUPPLIED BY MEYER PRODUCTS. USE OF THE MEYER SNOWPLOW FOR ANY PURPOSE OTHER THAN PLOWING SNOW IS ONE EXAMPLE OF AN ABUSE AND MISUSE OF THE PRODUCT.

WARRANTY SERVICE

In order to obtain service under this warranty,

the consumer must return this Meyer product to the Distributor / Sub-Distributor from whom the product was purchased or to any other Meyer Products Distributor / Sub-Distributor, transportation and freight charges prepaid. Only Meyer Products Distributor / Sub-Distributors are authorized to perform the obligations under these warranties. For the address and telephone number of the Distributor / Sub-Distributor nearest you, check the telephone directory or you may write to the warrantor at the address below.

GENERAL

It is the responsibility of the consumer to establish the warranty period by verifying the original delivery date. A bill of sale, cancelled check or some other appropriate payment record may be kept for that purpose. It is recommended, but not required, that the consumer verify the original delivery date by immediately returning the attached Warranty Registration Card. No person is authorized to change this warranty or to create any warranty other than that set forth herein. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

Meyer Products
18513 Euclid Avenue
Cleveland, Ohio 44112
Phone (216) 486-1313
Fax (216) 486-3073
E-Mail info@meyerproducts.com

In order to validate this warranty, please complete this card and mail it.

Name: _____

Address: _____

Spreader Model: _____ Serial No.: _____

Installation Date: _____ Purchased From: _____

NAME PLATE INFORMATION

- When ordering parts or requesting information or assistance, always include the information listed below.
- The Model Number and Serial Number for the Spreader are shown on the Name Plate.
- The space below is provided as a convenient place to record these numbers; just fill in the blanks.

Model No. _____

Serial No. _____

Date Purchased _____

Purchased From _____

Phone No. For Service _____



Meyer Products
18513 Euclid Avenue
Cleveland, Ohio 44112-1084