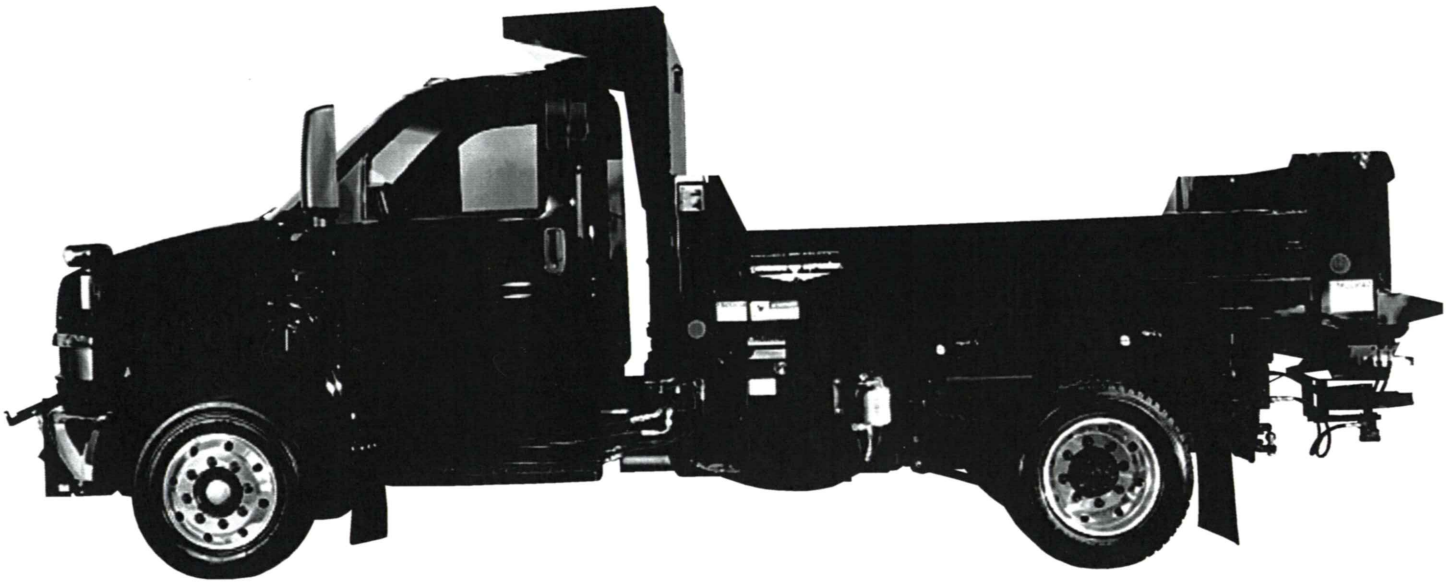
DO NOT THROW AWAY

INSTALLATION AND OPERATING INSTRUCTION MANUAL

Read Before Installation

CHAMELEON CONTRACTOR BODY

9 FT. THRU 11 FT.



INCLUDED IN THIS MANUAL:

swenson spreader®

Manual No. 00120-453-01
March 31, 2005

SAFETY PRECAUTIONS

The best safety device is a careful operator!

This symbol means ATTENTION!
Become Alert!
Your safety is involved!
Please read and understand completely!

Improper use of this equipment can result in serious injury. To reduce this possibility, give complete and undivided attention to the job at hand, and follow these safety precautions.

PREPARATION

Know your controls. Read this instruction manual. Learn how to stop the equipment quickly in an emergency.

Do not allow children to operate machine nor adults to operate it without proper instructions.

Keep all individuals not involved in the use of the equipment a safe distance away.

OPERATION

Observe and shut off all equipment controls before starting engine so equipment will not unintentionally operate when engine is started.

Always check area around machine before engaging or operating controls.

Always wear relatively tight and belted clothing when operating equipment. Loose jackets, shirts sleeves or other loose clothing should not be worn because of the danger of catching them in moving parts or controls.

Stop and inspect equipment if unusual movement, sounds or noises are observed. Repair damage before restarting and operating the equipment.

Disengage power to all operating equipment: (1) before leaving operator's position, (2) before making any repairs or adjustments, or (3) when not in use.

Take all possible precautions when leaving the equipment unattended; such as disengaging the hydraulic system from the vehicle engine, shifting vehicle out of gear, setting parking brake, shutting off engine and removing key.

NOTICE:

1. It is the responsibility of the dump body installer to apply all safety decals to the body in a secure manner in locations shown on pages 2, 3, 4 and 5 of this instruction manual.

2. It is the responsibility of the owner of the dump body to replace any or all safety decals which become unreadable or otherwise defaced.

Read and observe all "DANGER" and 'CAUTION" safety decals appearing on equipment.

The following safety decals appear in various locations on your equipment; refer to pages 2, 3, 4 and 5 for exact location.

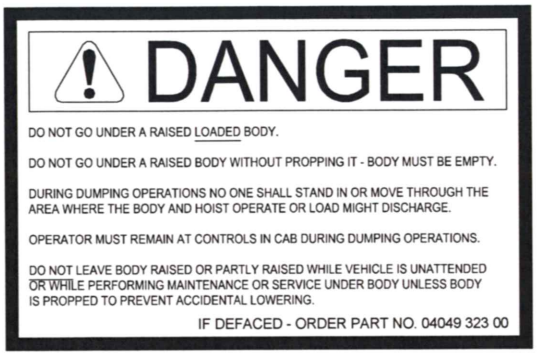
The sizes of the decals shown in this manual have been reduced in order to save space. Refer to page 5 for actual size measurements.

This decal appears on or near the spinner assembly at the rear of the truck.

It alerts all to the danger of being struck by material being spread by the spinner assembly which could result in serious personal injury.

This decal appears near the top rails of the body and near the top edge of the tailgate where unsafe access can be gained to the conveyor which operates within the floor of the body.

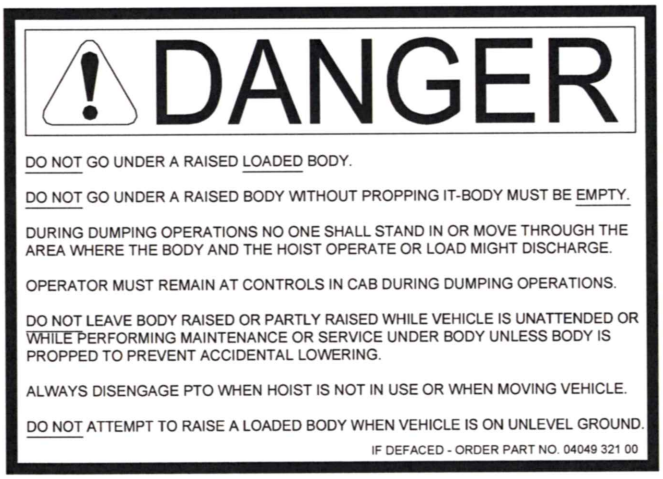
It alerts all to the danger of being trapped inside the body and being caught in the conveyor where serious personal injury could result.



This decal appears on the left front side, and the right front side of the dump body.

It alerts all to the danger of being under a raised dump body where serious personal injury could result if the body were to come down.

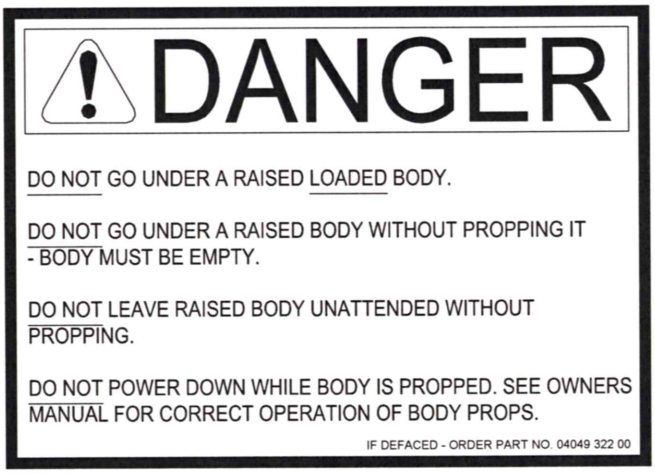
It also alerts the operator to precautions necessary to eliminate other dangerous situations associated with a raised body.



This decal appears on the left rear side, and the right rear side of the dump body.

It alerts all to the danger of being under a raised dump body where serious personal injury could result if the body were to come down.

It also alerts the operator to precautions necessary to eliminate other dangerous situations associated with a raised body.



This decal appears down on the left and right sides of the truck frame.

It alerts all to the danger of being under a raised dump body where serious personal injury could result if the body were to come down.

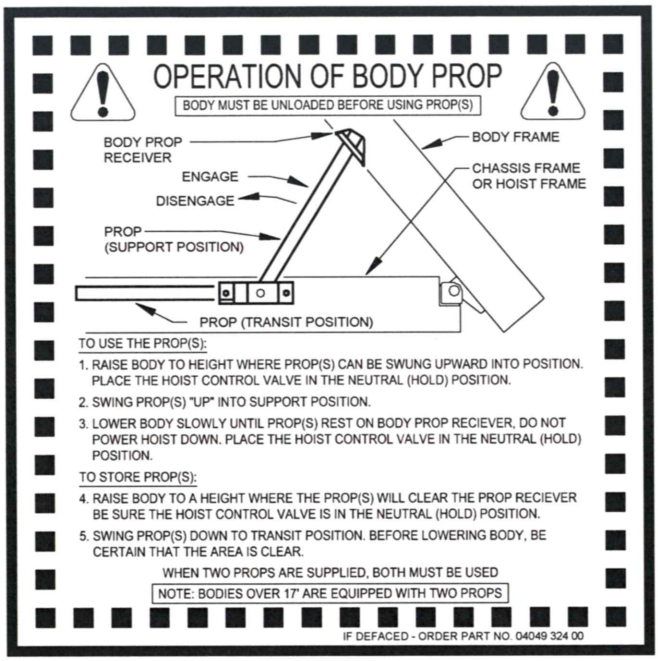
It also alerts the operator to precautions necessary to eliminate other dangerous situations associated with a raised body.

This decal appears on the left front side of the dump body.

It cautions all to observe general safety procedures when operating this equipment.

This decal appears on the left front side of the dump body.

It instructs the operator to be aware of the weight of the vehicle as various materials are loaded onto the vehicle.



This decal appears on the lower right side of the dump body, near the body prop.

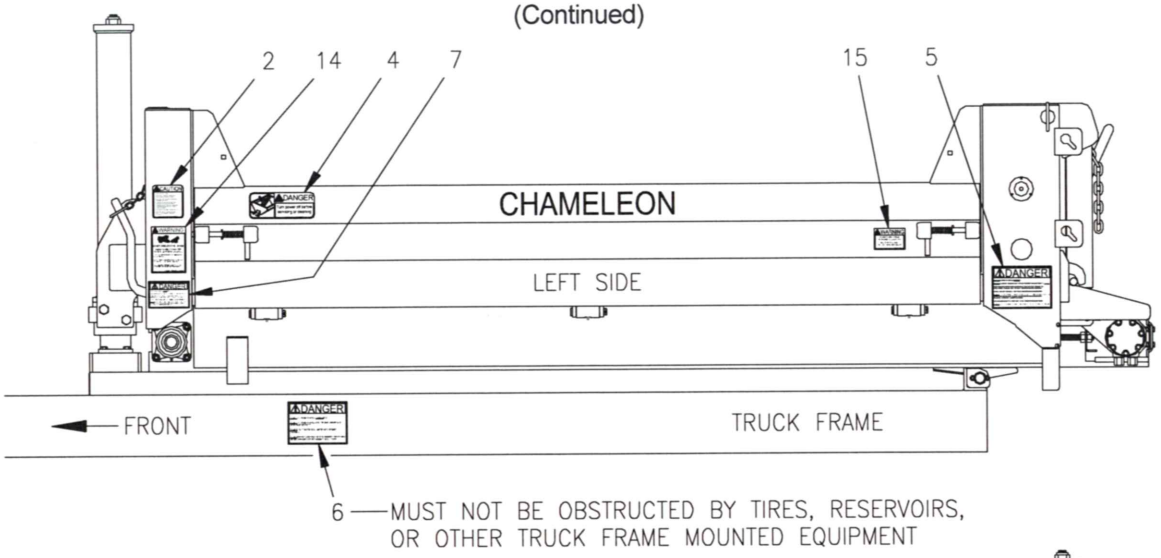
It instructs the equipment operator on the safe use of the dump body prop.

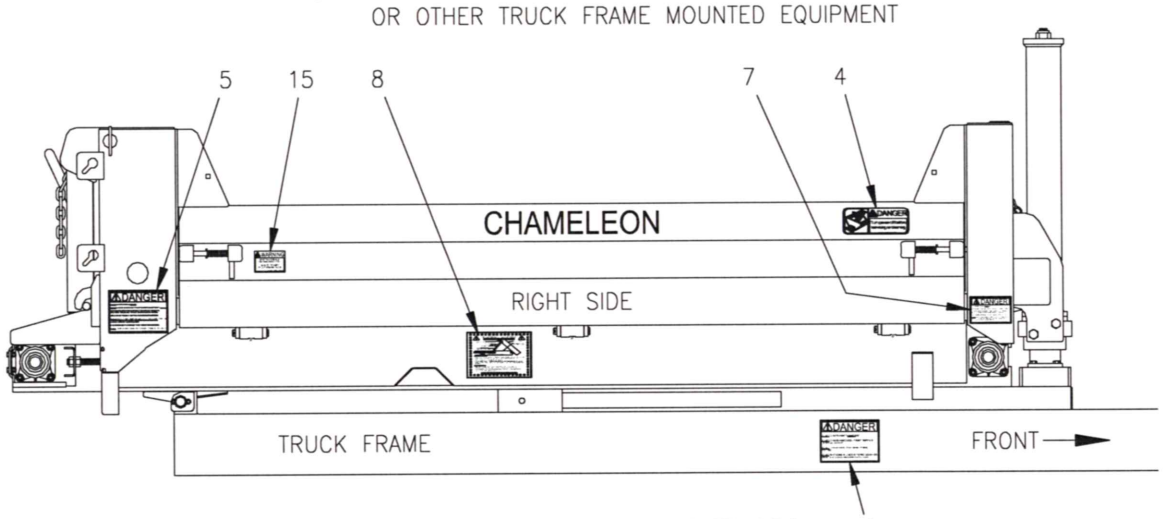
This decal appears on the left and right fold-down sides of the body.

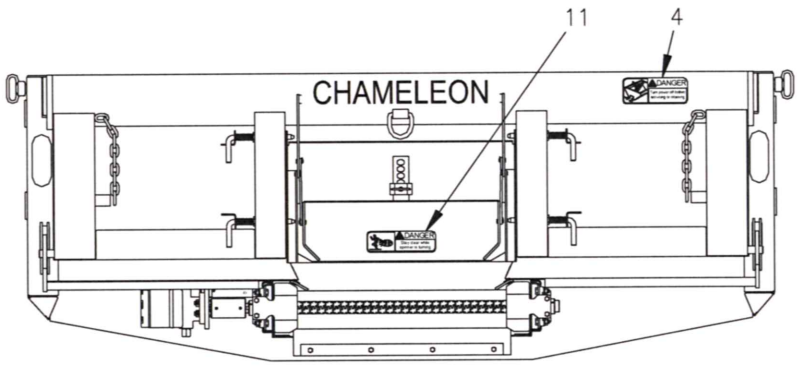
It instructs the operator to be sure sides are in the folded-up and latched position.

LOCATION OF SAFETY DECALS

(Continued)







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Decal	Part Number	Qty.	Description
2	04049-045-00	1	General Caution Decal (4 1/4" x 4" yellow and black)
4	04049-182-00	3	Conveyor Danger Decal (8 1/2" x 3 3/8" red and white)
5	04049-321-00	2	Body General Danger Decal (7 3/4" x 5 1/2" red and white)
6	04049-322-00	2	Truck Frame Danger Decal (7 3/4" x 5 1/2" red and white)
7	04049-323-00	2	Body General Danger Decal (5 3/8" x 3 1/2" red and white)
8	04049-324-00	1	Prop Operation Decal (8 1/2" x 8 1/2" yellow and black)
11	04049-044-00	1	Danger Spinner Decal (9" x 2 3/4" red and white)
14	04049-380-00	1	Do Not Overload Decal (4 1/2" x 6" orange and white)
15	04049-383-00	2	Fold-Down Side Decal (4" x 2 3/4" orange and white)

HYDRAULIC SPECIFICATIONS AND INSTALLATION

Hydraulic Oil.....Good grade of MS10W hydraulic oil which has wear, oxidation, and foam inhibitors

Oil Filter.....10 micron element return line filter

Relief Valve Setting.....1500 PSI

Minimum Oil Flow Requirement To Dual Flow Control Valve.....22 GPM

Maximum Oil Flow Capability To Spinner.....7 GPM

Maximum Oil Flow Capability To Conveyor System.....15 GPM

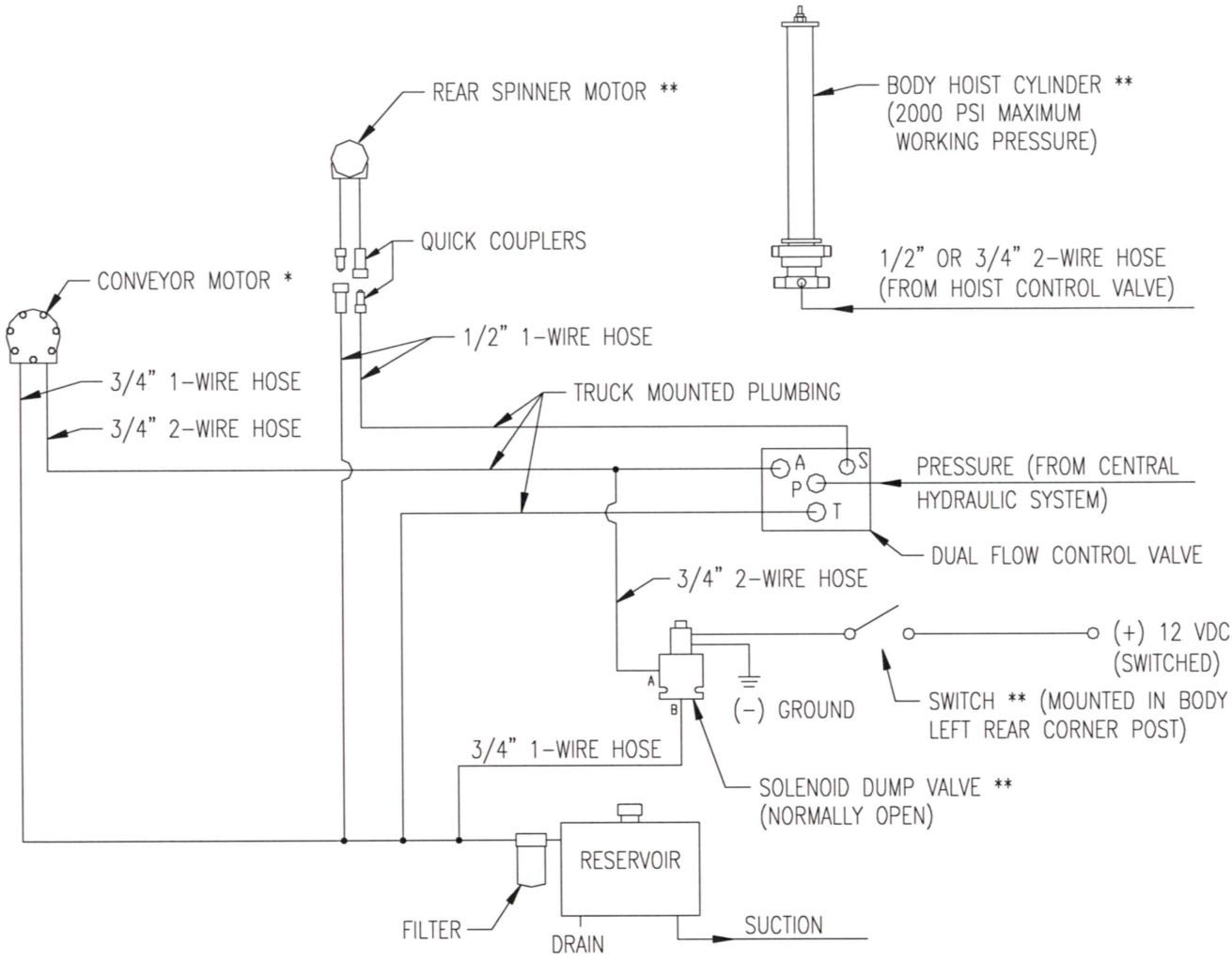
Maximum Working Pressure of Hoist Cylinder.....2000 PSI

Motor Displacements

Motor For:	Displacement Per Revolution (Cubic Inches)	Motor Shaft Revolutions Per Minute at 1 Gallon Of Oil Per Minute (Theoretical)
Spinner	2.8	82.5
Floor Conveyor	45.6	5.06

1. Hydraulic components should be kept as clean as possible during assembly operations.
2. Galvanized pipe and pipe fittings must not be used because flaking of galvanizing material can cause damage to major hydraulic components.
3. A pipe joint sealant, compatible with hydraulic oil, must be applied to 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 runs of hose should be supported by nylon ties or clamping.
7. When installing hydraulic hose end fittings on hydraulic hose, fittings and hose must be compatible with recommendations by each manufacturer.
8. The hydraulic plumbing diagram on the following page may be used to install an entire system, or part of a system depending upon individual requirements.
9. Alternate proven methods and components are acceptable to suit various truck model requirements
10. **Dual flow control valve:** The spinner and conveyor output oil flows are being controlled by a valve which is a dual flow regulator, and pressure compensated, so conveyor and spinner speeds remain constant regardless of increases or decreases in pump output and/or operating pressures. This holds true as long as flow into valve is equal to (or exceeds) valve output flow requirements.
11. **Conveyor Motor movement during operation:** The floor conveyor drive motor is torque arm mounted. As the motor operates, some movement may be observed; this is acceptable.

HYDRAULIC PLUMBING DIAGRAM



* – BODY MOUNTED COMPONENTS

** – COMPONENTS FURNISHED WITH OPTIONS

—— – UNLABELED COMPONENTS FURNISHED BY INSTALLER

INSTALLATION AND OPERATION NOTES:

1. SOLENOID DUMP VALVE MUST BE CONNECTED TO "SWITCHED" 12 VDC POWER SOURCE SO VALVE IS NOT ENERGIZED WHEN VEHICLE IGNITION IS OFF.

2. VALVE IS "NORMALLY OPEN" IN ITS DE-ENERGIZED STATE, ALLOWING OIL TO FLOW DIRECTLY TO RESERVOIR; ENERGIZING VALVE CAUSES THE VALVE TO CLOSE, THUS FORCING OIL TO FLOW TO CONVEYOR MOTOR.

3. FOR CONVEYOR USE DURING WINTER SPREADING OPERATIONS, SWITCH MUST BE IN "ON" POSITION.

4. SPINNER SHOULD OPERATE IN COUNTER-CLOCKWISE DIRECTION AS VIEWED FROM TOP OF SPINNER.

5. IF A MOTOR OPERATES IN THE WRONG DIRECTION, REVERSE HOSE CONNECTIONS AT MOTOR PORTS (USUALLY EASIER).

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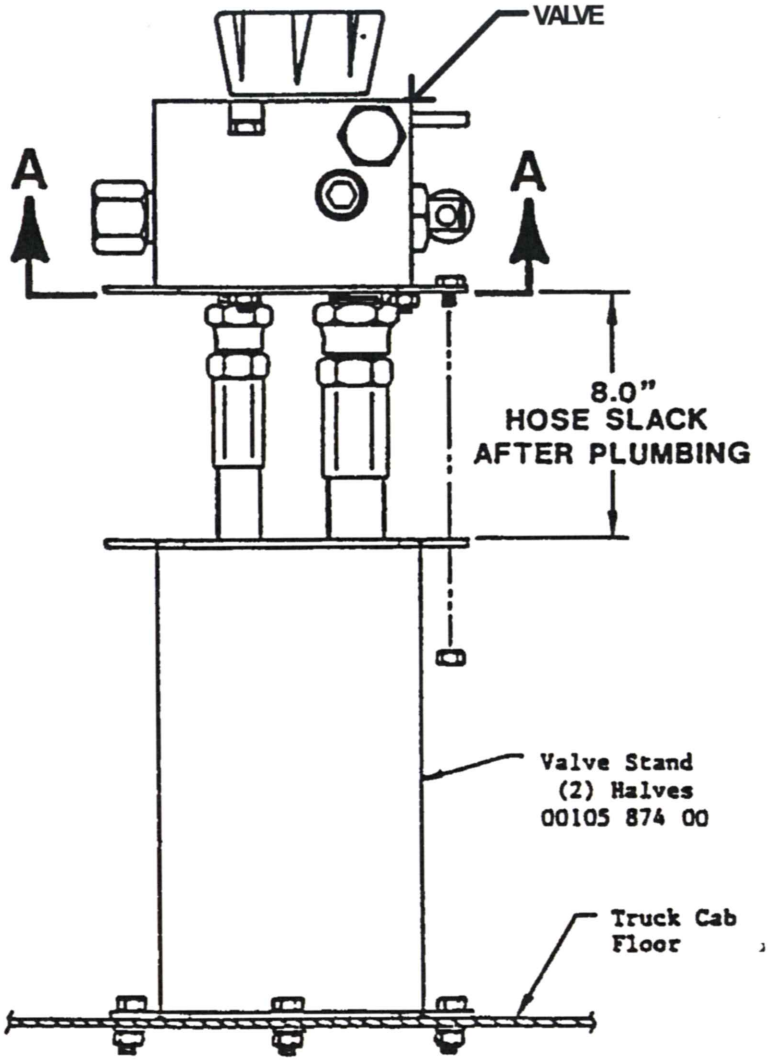
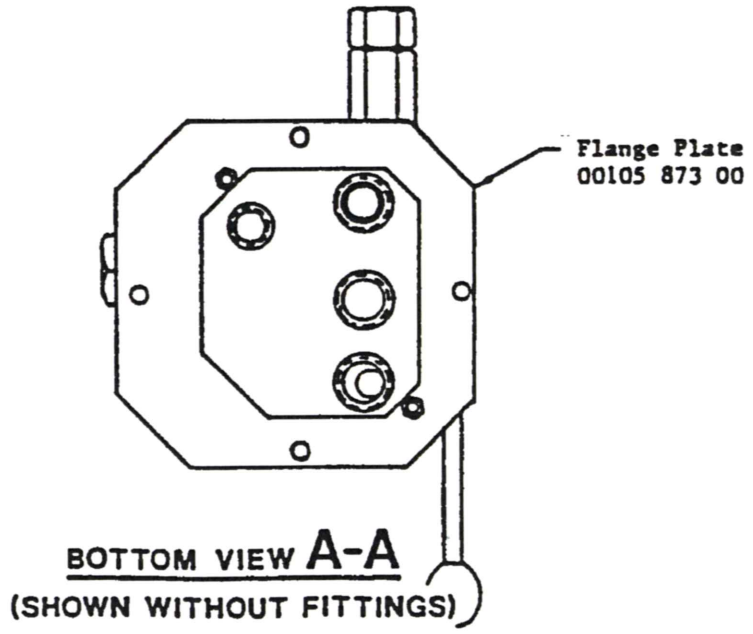




DUAL FLOW CONTROL VALVE INSTALLATION INSTRUCTIONS

1. **IMPORTANT:** A pipe joint sealant compatible with hydraulic oil must be applied to all screwed fittings. (Teflon Tape Sealant is Not Recommended)

2. Hose ends connected to valve must be of the "swivel" type.

3. **CAUTION:** Overtightening of the fittings in flow valve may cause damage to valve body.

4. Approximately 8" of hose slack must be allowed between the valve and the valve stand after the 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 hoses.

5. Assembly of valve on stand:

   a. Cut a 5" x 5" square opening in floor 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 of halves align with holes in flange plate.

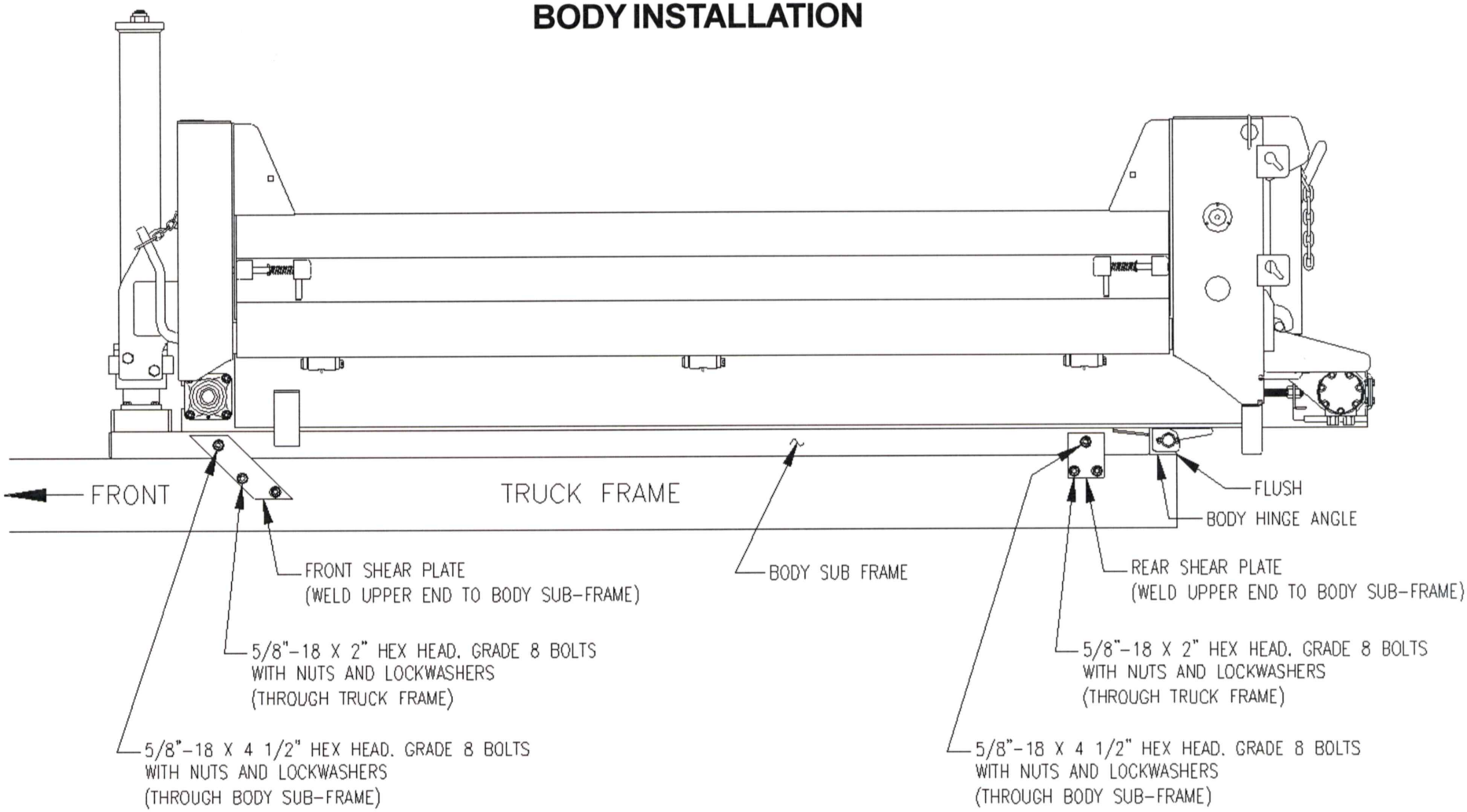
   c. Bolt flange plate to VALVE. (Use (2) 1/4" x 3" bolts, lockwashers, and nuts.)

   d. Insert hoses through floor opening and valve stand and connect appropriate hoses to valve. (See instruction #1 thru #4.)

   e. Bolt flange plate to valve stand flanges.

(See page 37 for parts list.)

BODY INSTALLATION



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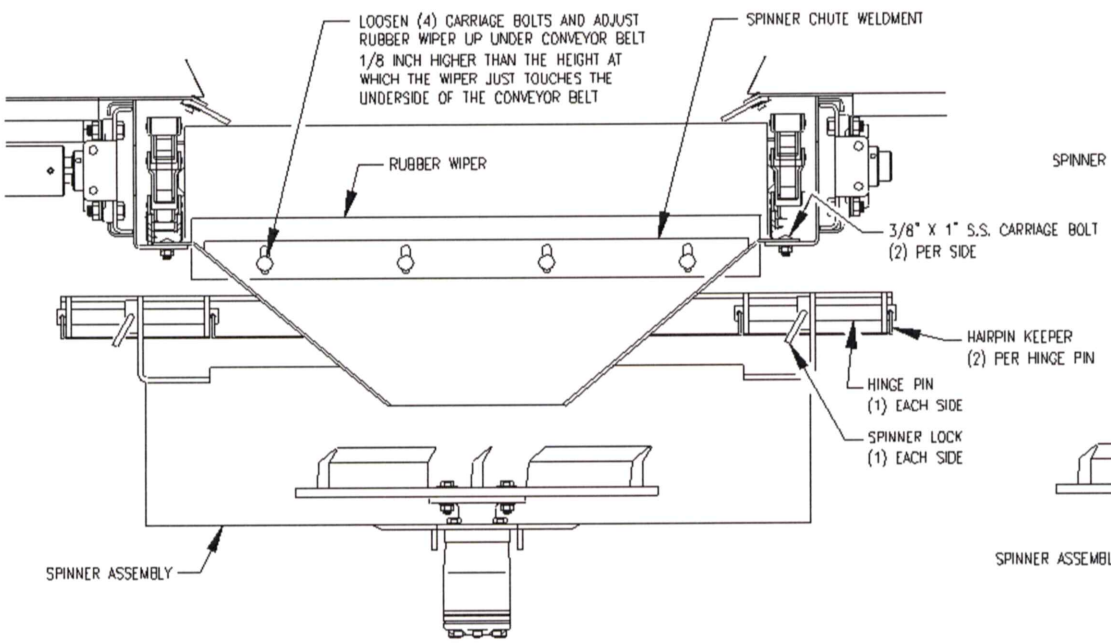
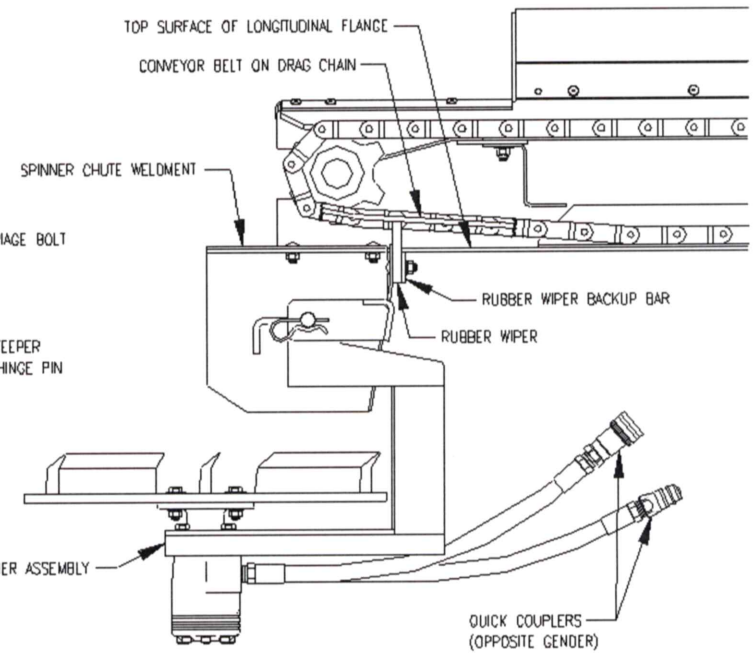
BODY INSTALLATION NOTES:

1. It is the responsibility of the body installer to certify that the truck manufacturer's installation requirements have been met.
2. Refer to truck chassis manufacturer's recommendations for body installation.
3. Left side is shown, right side is mirror image opposite.
4. Parts called out are furnished by Swenson Spreader LLC.
5. In order for body to be raised to dump properly, truck frame must be flush with body hinge angle as shown.

INSTALLATION OF SPINNER ASSEMBLY



REAR VIEW OF SPINNER INSTALLATION



SIDE VIEW OF SPINNER INSTALLATION

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WARNING!

AFTER SPINNER INSTALLATION IS COMPLETE, ALL GUARDS MUST BE INSTALLED.

(FOR INSTRUCTIONAL PURPOSES ONLY, GUARDS HAVE NOT BEEN SHOWN.)

INSTALLATION OF SPINNER ASSEMBLY

⚠ DANGER!

SUPPORT SPREADER AND OTHER HEAVY COMPONENTS SOLIDLY WHEN POSITIONING FOR MOUNTING ON TRUCK DUMP BODY.

1. Before assembling spinner chute weldment to body longitudinal flanges, loosen rubber wiper bolts on chute weldment, and slide rubber wiper (with backup bar) down to end of slots.

2. Install flanges of chute weldment over top surfaces of longitudinal flanges and align holes. Bolt securely in place using 3/8" X 1" stainless steel carriage bolts.

3. Slide rubber wiper (with backup bar) up against conveyor belt, then push it approximately 1/8" further. Tighten nuts.

4. Install spinner assembly onto spinner chute weldment using hinge pins and hairpin keepers. Slide spinner assembly from side-to-side making sure it moves and pivots freely. For spinner to remain level with road surface, it must be able to pivot freely on hinge pins. **IMPORTANT!** Be sure hairpin keepers are fully inserted so they **"SNAP"** in place.

5. After making final adjustments to spinner position for desired spread pattern, spinner must always be locked in position using two spinner locks (one each side).

6. Connect hose quick couplers to proper hydraulic couplers at rear of vehicle. Be sure couplers are fully connected so spinner motor can operate properly. Having quick couplers installed with opposite gender as shown allows for reconnection without having to determine spinner rotation direction each time.

7. For desired spread pattern, refer to pages 15 and 16 for making adjustments to spinner assembly.

OPERATING INSTRUCTIONS

⚠ DANGER

1. WHEN STARTING UP NEW EQUIPMENT, BE SURE EVERYONE IS STANDING CLEAR, WATCH FOR ANYTHING THAT MAY REQUIRE SHUTTING SYSTEM DOWN. EQUIPMENT MUST BE STARTED UP SLOWLY AND WATCHED FROM A SAFE DISTANCE. WATCH FOR ANYTHING THAT MAY BE HITTING SOMETHING THAT IT SHOULD NOT BE HITTING, AND LISTEN FOR SOUNDS THAT ARE ABNORMAL. CORRECT ANYTHING THAT IS ABNORMAL BEFORE CONTINUING USE OF THE EQUIPMENT.

2. BEFORE WORKING IN OR AROUND EQUIPMENT, VALVE LEVER MUST BE IN "OFF" POSITION, PTO MUST BE DISENGAGED, AND TRUCK ENGINE MUST BE SHUT OFF.

3. WHEN CONVEYOR AND SPINNER ARE NOT IN USE, THE VALVE ON-OFF LEVER SHOULD BE IN THE "OFF" POSITION. IF LEFT IN "ON" POSITION, BUT WITH CONTROL KNOBS IN CLOSED POSITION, EXCESSIVE HEAT MAY OCCUR IF PUMP CONTINUES TO PUMP OIL THROUGH THE HYDRAULIC VALVE. THIS THEN COULD CAUSE A HOSE TO BURST SPRAYING HOT OIL ON THOSE NEARBY, RESULTING IN SERIOUS PERSONAL INJURY.

4. DURING SPINNER REMOVAL OPERATIONS, THE VALVE ON-OFF LEVER SHOULD BE IN THE "OFF" POSITION. PTO MUST BE DISENGAGED, AND TRUCK ENGINE MUST BE SHUT OFF.

NOTE: The following startup and operating instructions are based on the installation of a manual dual flow control valve for controlling conveyor and spinner speeds, which is then being operated by a PTO driven pump system.

If your system differs from this hydraulic installation, refer to instructions furnished with your system.

INITIAL STARTUP:

1. Fill reservoir about three-fourths full with hydraulic oil. (See page 6 for type. KEEP OIL CLEAN.
2. Be sure valve ON-OFF lever is in "OFF" position.
3. Keep conveyor and spinner knobs on valve in closed position.
4. Start truck engine.
5. Engage PTO and allow hydraulic oil to circulate several minutes to warm up. (Hydraulic oil is pumped through valve bypass section and returns to reservoir.)
6. Open both valve knobs to first position.
7. Move valve ON-OFF lever to "ON" position.
8. Examine conveyor and spinner to see if they are functioning properly. (They will be operating slowly.) Spinner should turn in CCW rotation, as viewed from above spinner. Conveyor should be operating in rearward direction only.
9. Open valve knobs to other positions and check to see if spinner and conveyor operate faster as knobs are opened, and slower as knobs are closed. Valve knobs do not need to be opened equally; they are independent from each other.
10. Turn valve knobs to closed position and move ON-OFF lever to "OFF" position.
11. Shut truck engine off.
12 Check entire hydraulic system for leaks
13. Refill reservoir to three fourths full.
14. Hydraulic system is now ready for use.

OPERATING INSTRUCTIONS

(Continued)

PREPARING SPREADER FOR USE:

NOTE: REFER TO INSTRUCTIONS AND ILLUSTRATIONS ON PAGES 10, 15 & 16 FOR THE FOLLOWING STEPS.

1. Loosen spinner lock and slide spinner assembly to far left and retighten lock. (Position for spreading three or four lane highway from right lane.)

2. Start truck engine and allow hydraulic system to warm up by shutting off spinner and conveyor knobs and moving ON-OFF lever to "ON" position.

3. Move ON-OFF lever to "OFF" position after warming up.

4. Put spreading material in dump body.

5. Open spinner and conveyor knobs, and move ON-OFF lever to "ON" position. Spread small amount of material to determine placement of material at various spinner and conveyor speeds in this far left position.

6. Move valve lever to "OFF" position and shut off truck engine.

7. Loosen spinner lock and slide spinner assembly to far right and retighten lock. (Position for spreading behind truck and to extreme right covering up to four lanes from left lane.

8. Start truck engine.

9. Open spinner and conveyor knobs, and move ON-OFF lever to "ON" position. Spread small amount of material to determine placement of material at various spinner and conveyor speeds in this far right position.

10. It should now be visible that various spread patterns may be obtained by placing spinner at various positions from left to right, and by changing spinner speeds on valve.

OPERATING SPREADER:

1. Start truck engine and allow hydraulic system to warm up by shutting off spinner and conveyor knobs and moving ON-OFF lever to "ON" position.

2. After hydraulic system is warmed up, move ON-OFF lever to "OFF" position until spreading operations are begun.

3. Turning the spinner knob counter clockwise will increase the spinner speed and width of spread.

4. Turning the conveyor knob counter clockwise will increase the conveyor speed and thus the amount of material spread.

5. The feedgate at the rear of the body will also allow more material to feed to the spinner when opened wider.

6. The control valve may be turned on and off or adjusted while the truck is in motion.

7. Spinner and conveyor may be stopped at the same time without changing their valve settings by moving the ON-OFF lever to "OFF" position.

HAULING, DUMPING AND CONVEYING

GENERAL HAULING:

Your multipurpose body is equipped with a folding conveyor cover. The conveyor is protected from damage when cover panels are folded over it. Your multipurpose body may now be used for hauling and dumping most materials that are commonly hauled in ordinary dump bodies. Unless materials are to be conveyed, cover panels should be folded over conveyor.

When your multipurpose body is used for general hauling, the spinner assembly must be removed to avoid accidental operation. Dumping may be accomplished without interference. Disconnected hydraulic hoses must be kept clean and protected from damage.

Handle on left front corner of body is used to latch and unlatch tailgate for high volume dumping. Use spreader chains for adjusting tailgate opening. The tailgate can also be laid down using spreader chains to support in a level position.

By opening conveyor cover panels, the conveyor can be used for high volume dumping without raising body. To do so, unlatch tailgate and convey material. Bulk of material will be unloaded, then remaining material can be discharged by raising body if desired.

If your multipurpose body is equipped with side extensions and top screen, ligthweight bulk materials such as landscape mulch, landscape debris, and leaves may be hauled. Since your multipurpose body has increased capacity with side extensions, weight limits must be observed.

When side extensions are installed, conveyor cover panels may be opened for hauling and conveying bulk materials. Cover panels may be closed for increased bulk material capacity where conveyor use is not desired.

Since your multipurpose body is equipped with a conveying system which has been built into the floor, care must be exercised to avoid damage to its parts.

Dumping rock larger than 2" directly onto **unprotected** conveyor flite bars or conveyor belt and seal strips is not recommended. Bending of bars or gouging of belt and seal strips will result.

Notice: Visible dents on body and conveyor floors, bent conveyor or flite bars, and gouged conveyor belting and seal strips indicate that materials larger than those recommended have been dropped into the body, and thus will void all warranties.

HAULING AND CONVEYING MATERIALS FOR ICE & SNOW CONTROL:

Your multipurpose body may be used for hauling and conveying all materials that are commonly used for spreading on road surfaces for ice and snow control operations. These will include salt and various abrasives, and mixtures consisting of various materials.

Materials should be relatively free flowing and be free of anything larger than 3/4" chunks which will not crumble or otherwise be broken up while being conveyed. Larger materials will lodge in opening of low feedgate settings and disrupt spread rates, and can cause damage or injury if passed through gate onto spinner.

To convey materials for ice and snow control, conveyor cover panels must be in folded open position. The sloped position of the panels will allow free flowing materials to enter the conveyor due to vehicle movement and vibration.

CONVEYING MATERIALS IN STATIONARY POSITION:

The conveyor system in your multipurpose body may be used for conveying materials to wheel barrows, carts, and other secondary material moving equipment. An ON-OFF switch installed in the left rear corner post of your multipurpose body is used to operate conveyor from outside truck.

1. Shut off truck engine.
2. Close spinner and conveyor knobs on valve.
3. Remove spinner assembly from rear of multipurpose body.
4. Be sure switch in left rear corner post is in "OFF" position.
5. Start truck engine and engage hydraulic system.
6. Open only conveyor knob on valve to lowest position.
7. Move valve ON-OFF lever to "ON" position.
8. Turn switch "ON"; conveyor should begin to move.
9. Turn switch "OFF"; conveyor should stop moving.
10. Open conveyor knob to higher setting.
11. Turn switch "ON"; conveyor should move faster.
12. To discontinue use, turn switch "OFF", and move valve lever to "OFF" position.

Note: It is not necessary to close the valve conveyor knob if it is desired to convey materials at the existing setting at a later time.

ADJUSTING SPINNER FOR DESIRED SPREAD PATTERN

⚠ DANGER!

Serious personal injury can result from being caught in a turning spinner. Stay clear and keep all others clear when spinner is turning.

Serious personal injury can result if hit by flying particles being thrown by a turning spinner. Be aware that larger particles are possibly heavier and will travel farther and hit harder than smaller particles.

Stand back, and keep all others back at least 50 feet while spinner is turning. DO NOT ASSUME that particles cannot be thrown by a turning spinner just because material is not being dropped onto the spinner; particles that have been sticking to the spinner may suddenly come loose and be thrown causing possible injury.

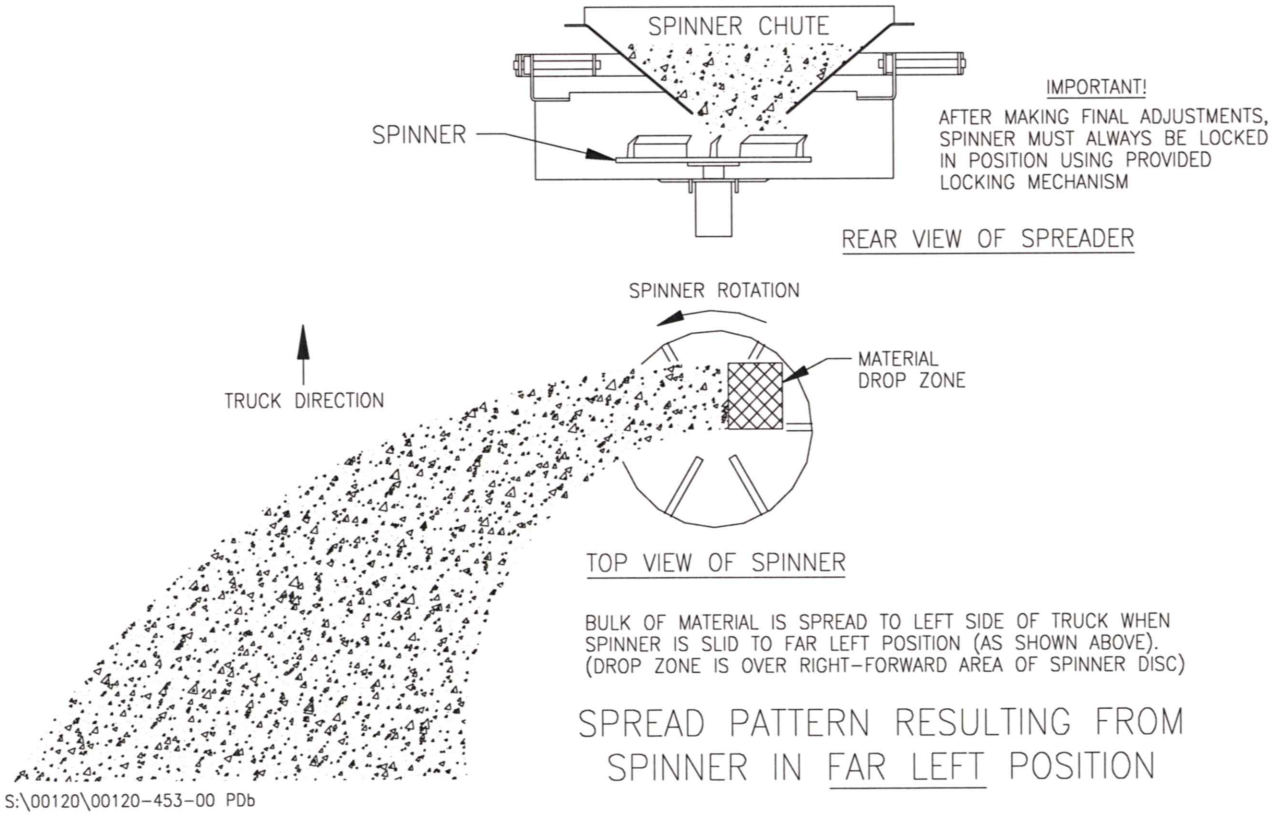
In general, for the most commonly desired spread patterns, the material drop zone should be **over forward half** and **within outside edge of disc.** See below and next page. Adjusting the specific location where material falls on the forward half of the spinner disc is very important. This allows the greatest portion of the material to be placed on the road surface in the three most commonly desired locations: 1. To the left of the vehicle. 2. To the left and rear of the vehicle. 3. To the rear and right of the vehicle.

The spinner shield which is positioned forward of the spinner disc, is intended to restrict "stray" material to the spinner area and to aid in a more defined spread pattern.

Once the desired spread pattern has been obtained, increasing the spinner speed by opening the spinner control knob will give a wider spread pattern, and closing the spinner control knob will give a narrower spread pattern.

Sliding the spinner to intermediate positions from those shown below and on the following page will give variations of spread patterns to those shown. After establishing the desired spread pattern, it is suggested that the spinner position on the hinge rod, and the valve spinner control setting be recorded for future use.

IMPORTANT! After making final adjustments, the spinner assembly must always be locked in position using the provided locking mechanism. See page 10 for spinner lock location.



ADJUSTING SPINNER FOR DESIRED SPREAD PATTERN

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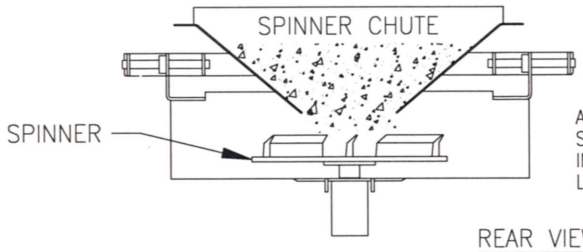
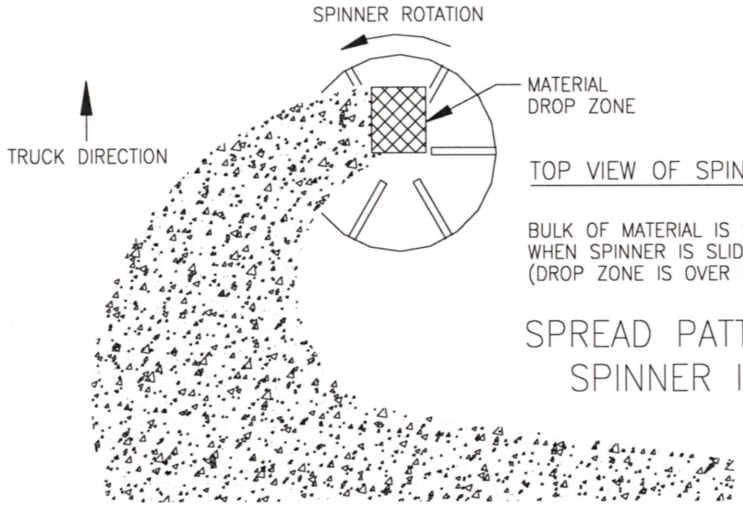


IMPORTANT!
AFTER MAKING FINAL ADJUSTMENTS, SPINNER MUST ALWAYS BE LOCKED IN POSITION USING PROVIDED LOCKING MECHANISM

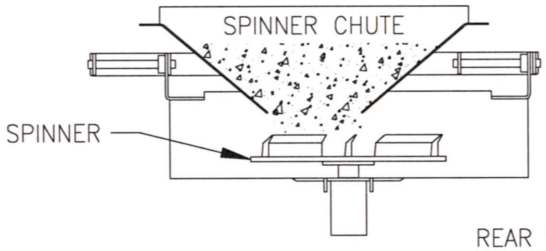
REAR VIEW OF SPREADER



TOP VIEW OF SPINNER

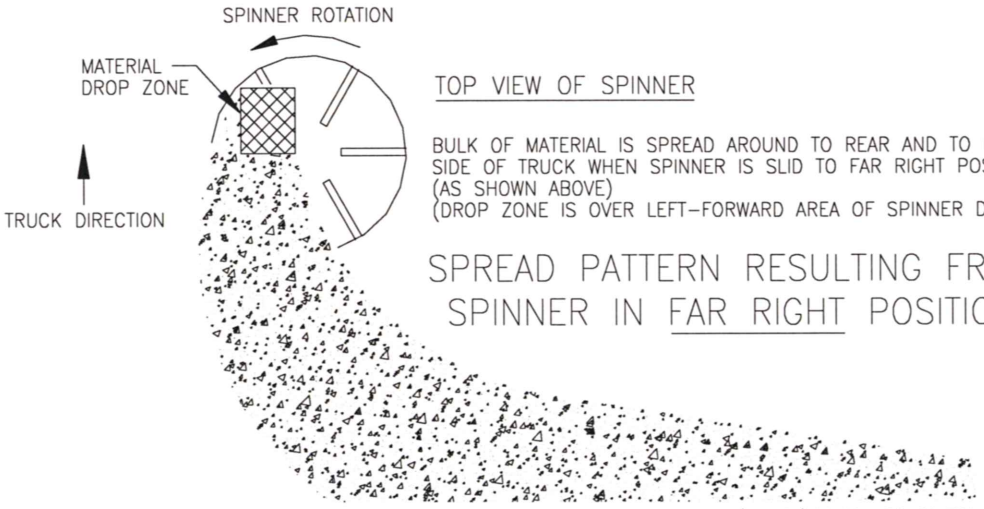
BULK OF MATERIAL IS SPREAD TO LEFT SIDE AND TO REAR OF TRUCK WHEN SPINNER IS SLID TO CENTER POSITION (AS SHOWN ABOVE). (DROP ZONE IS OVER CENTER–FORWARD AREA OF SPINNER DISC)

SPREAD PATTERN RESULTING FROM SPINNER IN CENTER POSITION



IMPORTANT!
AFTER MAKING FINAL ADJUSTMENTS, SPINNER MUST ALWAYS BE LOCKED IN POSITION USING PROVIDED LOCKING MECHANISM

REAR VIEW OF SPREADER



TOP VIEW OF SPINNER

BULK OF MATERIAL IS SPREAD AROUND TO REAR AND TO RIGHT SIDE OF TRUCK WHEN SPINNER IS SLID TO FAR RIGHT POSITION (AS SHOWN ABOVE)
(DROP ZONE IS OVER LEFT–FORWARD AREA OF SPINNER DISC)

SPREAD PATTERN RESULTING FROM SPINNER IN FAR RIGHT POSITION

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RECOMMENDED REGULAR MAINTENANCE

⚠ DANGER

BEFORE PERFORMING MAINTENANCE OPERATIONS. PARK VEHICLE ON LEVEL GROUND. SET PARKING BRAKE, SHUT OFF ALL POWER, AND MAKE SURE ALL MOVEMENT HAS STOPPED. SHUT OFF TRUCK ENGINE.

IF BODY IS RAISED, IT MUST BE SECURELY BLOCKED SO IT CANNOT COME DOWN. SUPPORT BLOCKS MUST NOT BE REMOVED UNTIL THERE IS NO DANGER OF ANYONE BEING UNDER BODY WHEN BODY IS LOWERED.

1. **Periodic lubrication is required for proper operation, and for extending the maximum life to all moving parts.** The following are components that require regular and/or seasonal inspection and lubrication. Refer to lubrication schedule chart for frequency.

   For all points of lubrication, use good standard practice of wiping clean the entire area of lubricant entry before adding lubricant.

   a. Two rear and two front conveyor bearings, require lubrication. (Caution should be observed to avoid overgreasing as damage may result to seals.)

   b. Grease fittings are provided on the tailgate latch pivot points under lower end of left front and right front corners of body, under lower end of front corner posts. Regular lubrication is required due to the loading and movement at these pivot points.

   c. Grease fittings are provided in left and right fold-down side hinge points. Regular lubrication is required if corrosive materials are being hauled. Otherwise periodic lubrication also allows trouble-free movement.

   d. A grease fitting is provided in each hinge block in rear body hinge assembly. Regular lubrication is required due to the loading and movement at these pivot points.

   e. A grease fitting is provided in each of the upper hoist cylinder mounting blocks and in each of the lower cylinder mounting blocks.Regular lubrication is required due to the loading and movement at these pivot points.

   f. A coating of grease or heavy oil on all adjusting and sliding parts is recommended for easier adjustment.
      EXAMPLES:
      - Drag chain take-up bolts
      - Drag chain take-up slides
      - Feedgate slides
      - Feedgate adjusting parts

   g. If unit is going to be out of use for several days, lubricating conveyor drag chain is recommended. Avoid getting lubricant on belt.

Body Lubrication Schedule Chart

Front and Rear ---------- every 15 hrs.
Conveyor Bearings (grease)

Tailgate Latch Pivot Points at Front ---------- weekly
(grease)

Fold-Down Side Hinges ---------- Every 3 weeks

Body Rear Hinge (grease) ---------- every 3 months

Cylinder Trunnion Pins (grease) ---------- every 3 months
(upper and lower)

2. **Check hydraulic oil level in reservoir.** It should be visible in sight level gauge mounted on side of reservoir. A reservoir requiring periodic refilling indicates a leak exists. Maintaining a full reservoir aids in cooler hydraulic operation. See page 6 for hydraulic oil type.

   IMPORTANT: AVOID GETTING CONTAMINANTS IN RESERVOIR WHEN FILLING.

3. **Check for oil leaks** at all hose fitting connections, and tighten if necessary.

4. **Hydraulic oil filter cartridge** should be replaced if gauge pointer is in red zone when hydraulic system is operating.

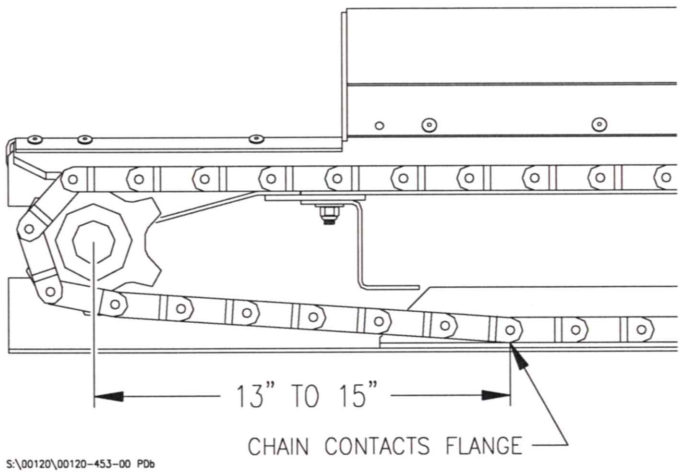
5. **Clean quick disconnects** before taking apart or connecting.

6. **Protect quick disconnects after taking apart** with well fitting caps and plugs, oily rag, or other suitable protection.

RECOMMENDED REGULAR MAINTENANCE

(Continued)

7. **Conveyor drag chain slack** should be taken up after initial start up, then checked periodically and taken up so distance between centerline of rear sprocket and point where chain contacts flange is (13 to 15 inches.) (See illustration below.)



8. **Your spread pattern** is largely determined by the ease at which material slides off the spinner blades. Periodically inspect spinner and blades, and remove any material that may be sticking to them.

9. **Salt and other ice melting chemicals** are highly water-soluble materials and can be removed easily with plain water. Periodically hose off entire unit paying close attention to adjusting mechanisms and moving parts. After cleaning equipment, all mechanisms requiring lubrication must be re-lubricated. Refer to page 17 for lubrication recommendations.

10. **If hoist cylinder begins to close slowly while in use** due to combination dust-oil buildup on cylinder surfaces, hydraulic oil may be used to cleanse surfaces of each stage. Then apply a heavy coat of clean hydraulic oil, raise and lower cylinder two or three times and wipe off excess oil.

11. **During freezing weather** body should be kept empty to prevent material from freezing on conveyor.

HYDRAULIC TROUBLE-SHOOTING CHART

CONDITION 1

Pump cavitation recognized by excessive noise.

CAUSE

a. Air entering system through suction lines.
b. Suction line kinked, twisted or too long.
c. Inadequate size suction line.
d. Hydraulic oil too heavy.
e. Excessive pump speed. Normal pump speed should be 1200 to 1500 RPM.

CORRECTION

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 lower viscosity hydraulic oil.
e. Pump capacity is 16 GPM at 1000 RPM. Decrease PTO speed accordingly.

CONDITION 2

Slow operation of conveyor and/or spinner.

CAUSE

a. Worn or defective pump.
b. Worn or defective motor.
c. Pump cavitation.
d. Insufficient pump speed.

CORRECTION

a. Repair of replace pump.
b. Repair or replace motor.
c. Refer to pump section.
d. Pump capacity is 16 GPM at 1000 RPM. Increase PTO accordingly.

CONDITION 3

Erratic operation of conveyor and/or spinner.

CAUSE

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.

CORRECTION

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 base.
e. Adjust relief valve for 1500 PSI.
f. Refer to condition 1.
g. Clean or replace vent cap to admit atmospheric pressure to inside of tank.

CONDITION 4

Conveyor and/or spinner will not operate, or operates in wrong direction.

CAUSE

a. Quick disconnects are dirty or damaged causing incomplete connection.
b. System hose connections wrong.
c. Hose connections wrong, causing motors to operate in wrong direction.
d. Foreign material in valve compensator section.

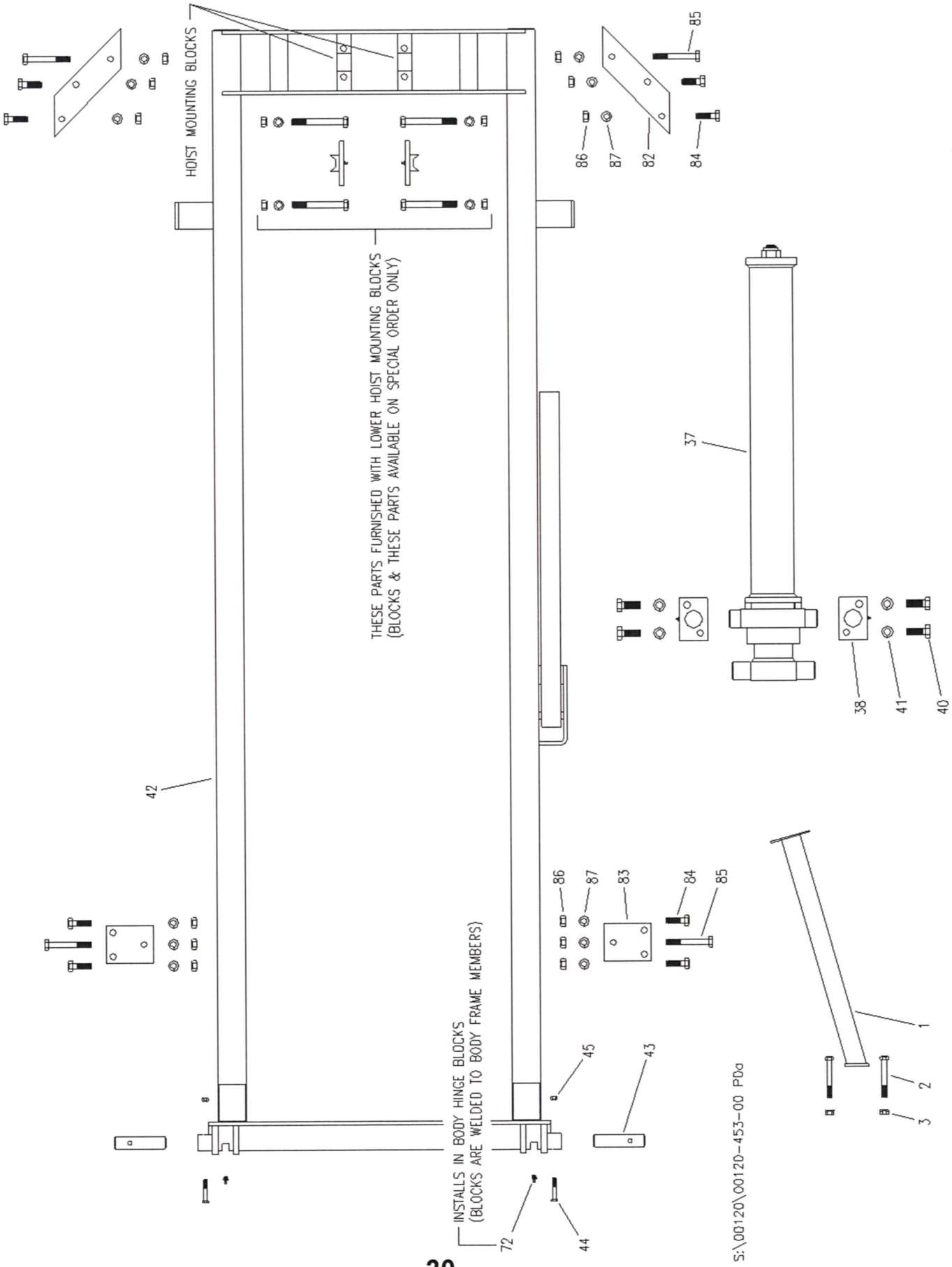
CORRECTION

a. Clean or replace and properly connect.
b. Refer to plumbing diagram for proper hose connections, and reconnect.
c. Refer to illustration for proper hose connections at motor, and reconnect.
d. Remove compensator section and clean.

NOTE: If a motor operates in the wrong direction, reverse hose connections at motor ports (usually easier).

NOTE: Swenson Spreader LLC warranty does not cover unauthorized disassembly of hydraulic pumps, motors, valves or electric components.

SUB-FRAME / HOIST / FUEL FILL SUPPORT

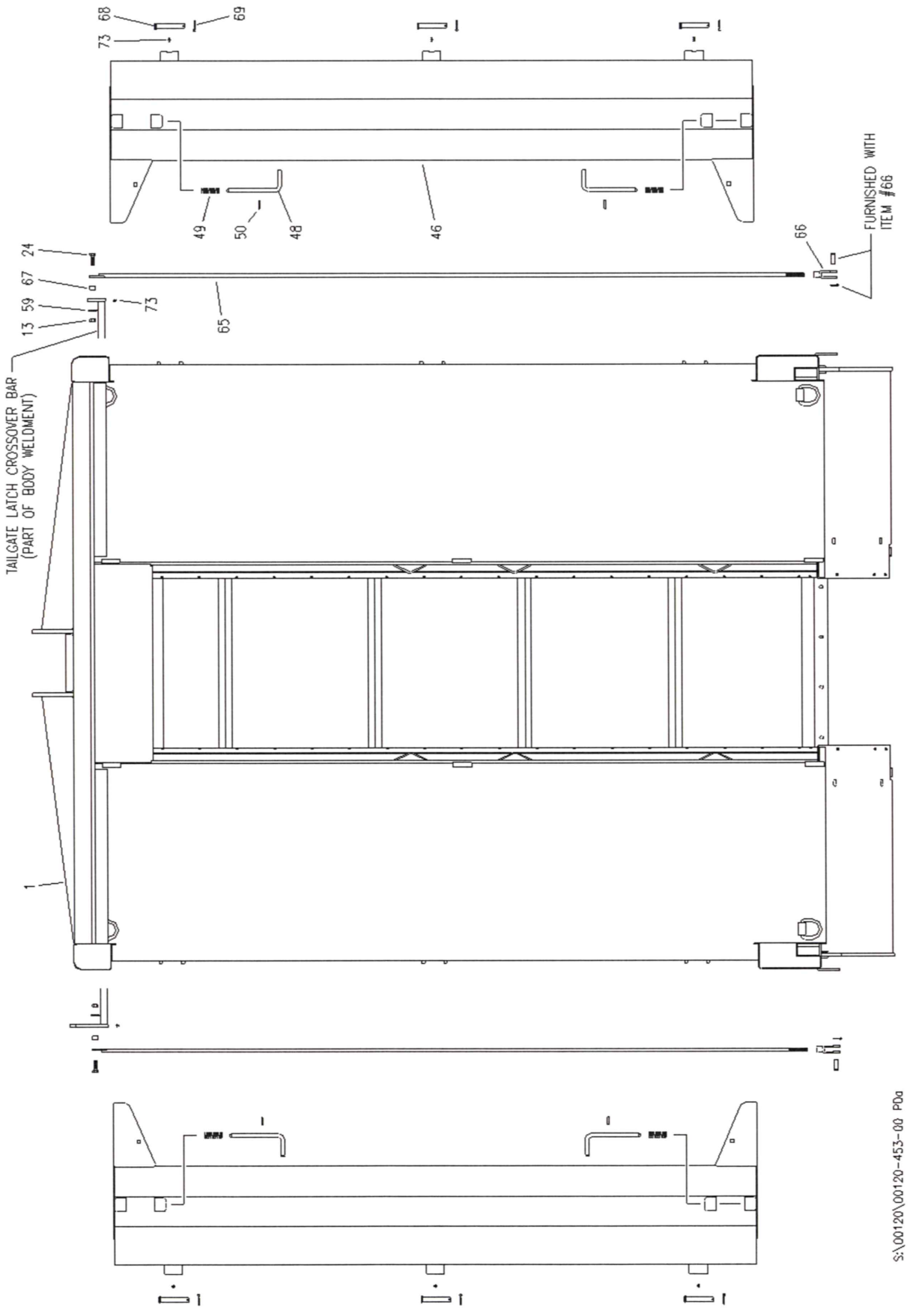


SUB-FRAME / HOIST / FUEL FILL SUPPORT

Item	Part Number	Qty.	Description
1	00120-442-01	1	Weldment, Gas Fill Support, CS (Ford Only)
	00120-442-02	1	Weldment, Gas Fill Support, SS (Ford Only)
2	*	2	Bolt, 1/2" X 4" HH Gr 5 (Ford Only)
3	*	2	Nut, 1/2-13 HH Serrated Flange (Ford Only)
37	04107-023-17	1	Cylinder, Hydraulic Hoist (Single Acting)
38	04107-024-03	2	Block, Upper
40	*	4	Bolt, 3/4"-16 NF X 2" HH, Gr 8
41	*	4	Lockwasher, 3/4" Medium Split, ZP
42	00120-209-05	1	Weldment, 9' Sub-Frame, CS (GM)**
	00120-209-06	1	Weldment, 9' Sub-Frame, SS (GM)**
	00120-209-07	1	Weldment, 10' Sub-Frame, CS(GM)**
	00120-209-08	1	Weldment, 10' Sub-Frame, SS(GM)**
	00120-209-09	1	Weldment, 11' Sub-Frame, CS (GM)**
	00120-209-10	1	Weldment, 11' Sub-Frame, SS (GM)**
	00120-441-05	1	Weldment, 9' Sub-Frame, CS (Ford)***
	00120-441-06	1	Weldment, 9' Sub-Frame, SS (Ford)***
	00120-441-07	1	Weldment, 10' Sub-Frame, CS (Ford)***
	00120-441-08	1	Weldment, 10' Sub-Frame, SS (Ford)***
	00120-441-09	1	Weldment, 11' Sub-Frame, CS (Ford)***
	00120-441-10	1	Weldment, 11' Sub-Frame, SS (Ford)***
43	00120-224-01	2	Pin, Hinge, CS
	00120-224-02	2	Pin, Hinge, SS
44	*	2	Bolt, 3/8-16 X 2 1/4" HH Gr 8
45	*	2	Locknut, 3/8"-16 Top Lock
72	*	2	Fitting, Zerk, 1/8" NPT, Straight
82	00120-283-01	2	Plate, Front Shear, CS
	00120-283-02	2	Plate, Front Shear, SS
83	00120-284-01	2	Plate, Rear Shear, CS
	00120-284-02	2	Plate, Rear Shear, SS
84	*	8	Bolt, 5/8-18 X 2" HH Gr 8,
85	*	4	Bolt, 5/8-18 X 4 1/2" HH Gr 8
86	*	12	Nut, 5/8-18 HH Gr 8
87	*	12	Lockwasher, 5/8" Medium Split

CS = Carbon Steel
SS = Stainless Steel
* = Indicates Items Readily Available Locally
** = With fuel fill welded to Item # 42.
*** = Without fuel fill welded to to Item # 42
(Fuel fill support is furnished loose as item # 1)

BODY ASSEMBLY

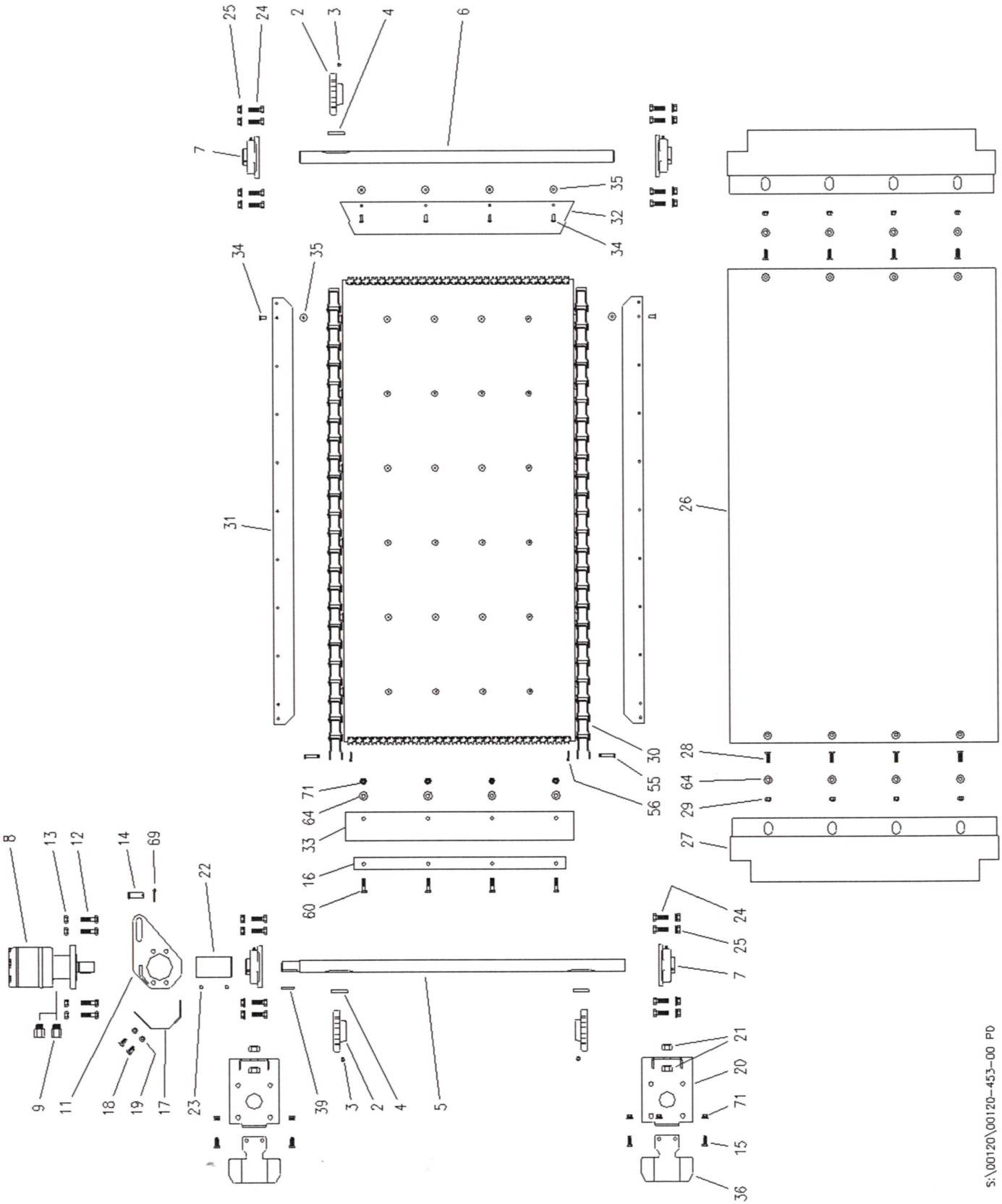


BODY ASSEMBLY

Item	Part Number	Qty.	Description
1	00120-300-05	1	Weldment, Body, 9 Ft., CS
	00120-300-06	1	Weldment, Body, 9 Ft., SS
	00120-300-07	1	Weldment, Body, 10 Ft., CS
	00120-300-08	1	Weldment, Body, 10 Ft., SS
	00120-300-09	1	Weldment, Body, 11 Ft., CS
	00120-300-10	1	Weldment, Body, 11 Ft., SS
13	*	6	Locknut, 1/2-13 Top Lock
24	*	18	Bolt, 1/2-13 X 1 1/2" HH, Gr 5
46	00120-306-05	2	Weldment, Fold-Down Side, 9 Ft., CS
	00120-306-06	2	Weldment, Fold-Down Side, 9 Ft., SS
	00120-306-07	2	Weldment, Fold-Down Side, 10 Ft., CS
	00120-306-08	2	Weldment, Fold-Down Side, 10 Ft., SS
	00120-306-09	2	Weldment, Fold Down Side, 11 Ft., CS
	00120-306-10	2	Weldment, Fold Down Side, 11 Ft., SS
48	00120-290-01	8	Pin, Bent, CS
	00120-290-02	8	Pin, Bent, SS
49	04091-042-00	4	Spring, Compression, SS
50	04012-001-04	8	Pin, Grooved 3/16" X 1 1/4"
59	*	A/R	Flatwasher, 1/2" U.S.S.
65	00120-337-05	2	Weldment, Linkage 9 Ft., CS
	00120-337-06	2	Weldment, Linkage 9 Ft., SS
	00120-337-07	2	Weldment, Linkage 10 Ft., CS
	00120-337-08	2	Weldment, Linkage 10 Ft., SS
	00120-337-09	2	Weldment, Linkage 11 Ft., CS
	00120-337-10	2	Weldment, Linkage 11 Ft., SS
66	04096-011-00	2	End, Yoke (Includes clevis & cotter pins)
67	04008-005-00	2	Bushing, 1/2" I.D. X 7/8" O.D.
68	04014-005-07	6	Pin, 3/4" X 4 1/2" Clevis
69	*	7	Pin, 5/32" X 1 1/4" Cotter
73	*	8	Fitting, Zerk, 1/4-28 Straight

CS = Carbon Steel
SS = Stainless Steel
A/R = As Required
* = Indicates Items Readily Available Locally

CONVEYOR ASSEMBLY

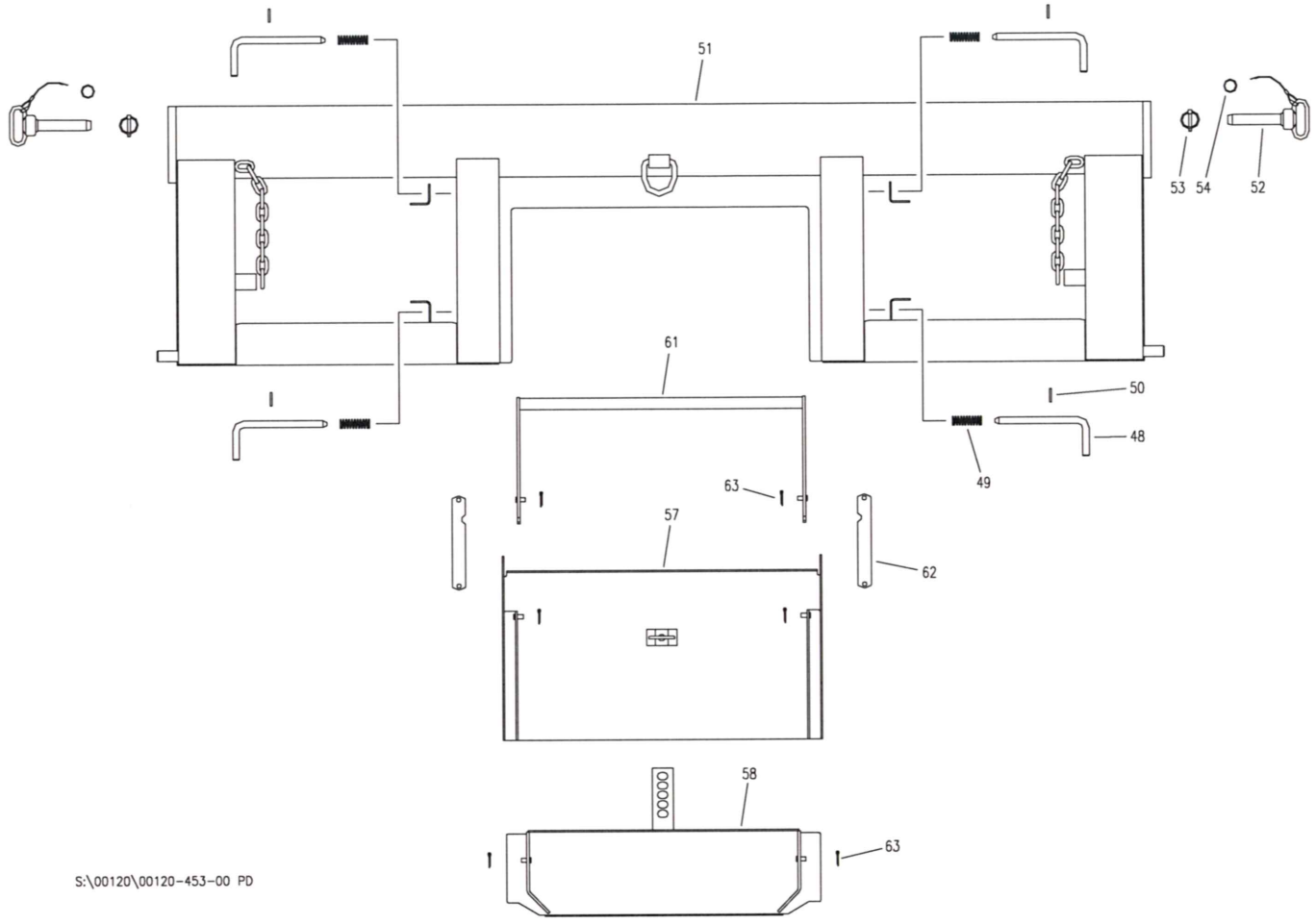


CONVEYOR ASSEMBLY

Item	Part Number	Qty.	Description
2	00102-349-00	4	Machining, Sprocket
3	*	3	Setscrew, 3/8-16 X 3/8" Allen Head
4	04031-004-00	3	Key, 3/8" Sq. X 2" Straight
5	00120-230-00	1	Shaft, Drive, CS
6	00120-231-00	1	Shaft, Idler, CS
7	04080-047-00	4	Bearing, 1 1/2"
8	04101-125-00	1	Motor, Hydraulic
9	04121-008-07	2	Adapter, 7/8"-14 X 1/2" NPT O-Ring
11	00120-301-00	1	Weldment, Torque Arm/Motor Mounting Bracket, CS
12	*	4	Bolt, 1/2"-13 x 1 3/4" HH Gr 5
13	*	6	Locknut, 1/2"-13 Top Lock
14	04014-008-02	1	Pin, 5/8" X 1 3/4" Clevis, Plated
15	*	4	Bolt, 3/8"-16 X 1" HH Gr 5
16	00112-540-01	1	Bar, Wiper Backup, 1/4", CS
	00112-540-03	1	Bar, Wiper Backup, 1/4", SS
17	00120-303-01	1	Cover, Drive Coupling, CS
	00120-303-02	1	Cover, Drive Coupling, SS
18	*	2	Bolt, 3/8"-16 X 3/4" HH Gr 5
19	*	2	Lockwasher, 3/8" Medium Split
20	00120-234-01	2	Weldment, Take-Up Bearing Bracket, CS
	00120-234-02	2	Weldment, Take-UP Bearing Bracket, SS
21	04003-801-15	4	Nut, 3/4"-10 Hex, SS
22	00120-235-00	1	Coupling, Drive, CS
23	*	2	Setscrew, 5/16"-18 X 3/8" Allen Head
24	*	18	Bolt, 1/2"-13 X 1 1/2" HH Gr 5
25	*	16	Nut, 1/2"-13 Serrated Flange
26	00120-236-05	1	Plate, Conveyor Floor, 9 Ft., CS
	00120-236-06	1	Plate, Conveyor Floor, 9 Ft., SS
	00120-236-07	1	Plate, Conveyor Floor, 10 Ft., CS
	00120-236-08	1	Plate, Conveyor Floor, 10 Ft., SS
	00120-236-09	1	Plate, Conveyor Floor, 11 Ft., CS
	00120-236-10	1	Plate, Conveyor Floor, 11 Ft., SS
27	00120-304-01	2	Weldment, Nose Plate, CS
	00120-304-02	2	Weldment, Nose Plate, SS
28	*	8	Screw, 3/8"-16 X 1 1/4" Slotted Flat Head
29	*	8	Locknut, 3/8"-16 Nylon Insert
30	04045-393-03	1	Assembly, 9 Ft., Belt Over Chain, Low Temp
	04045-393-04	1	Assembly, 10 Ft. Belt Over Chain, Low Temp
	04045-393-05	2	Assembly, 11 Ft. Belt Over Chain, Low Temp
31	04076-151-03	2	Seal, Strip, 9 Ft
	04076-151-04	2	Seal, Strip, 10 Ft.
	04076-151-05	2	Seal, Strip, 11 Ft.
32	04076-152-00	1	Seal, Front
33	04076-153-00	1	Wiper, Rubber
34	04002-036-00	A/R	Rivet, 1/4" x .865 Blind
35	04004-002-38	A/R	Flatwasher, 1/4" Special
36	00120-451-01	2	Guard, Rear Sprocket, CS
	00120-451-02	2	Guard, Rear Sprocket, SS
39	04031-011-00	1	Key, 5/16" Sq. X 1 1/2"
55	04045-021-00	2	Pin, Master (without cotter)
56	04045-025-00	2	Pin, Cotter Only
60	*	4	Bolt, 3/8"-16 X 1 1/2" HH Gr 5
64	*	12	Flatwasher, 3/8" U.S.S.
69	*	7	Pin, Cotter 5/32" x 1 1/4"
71	*	4	Nut, 3/8"-16 Serrated Flange

CS = Carbon Steel
SS = Stainless Steel
A/R = As Required
* = Indicates Items Readily Available Locally

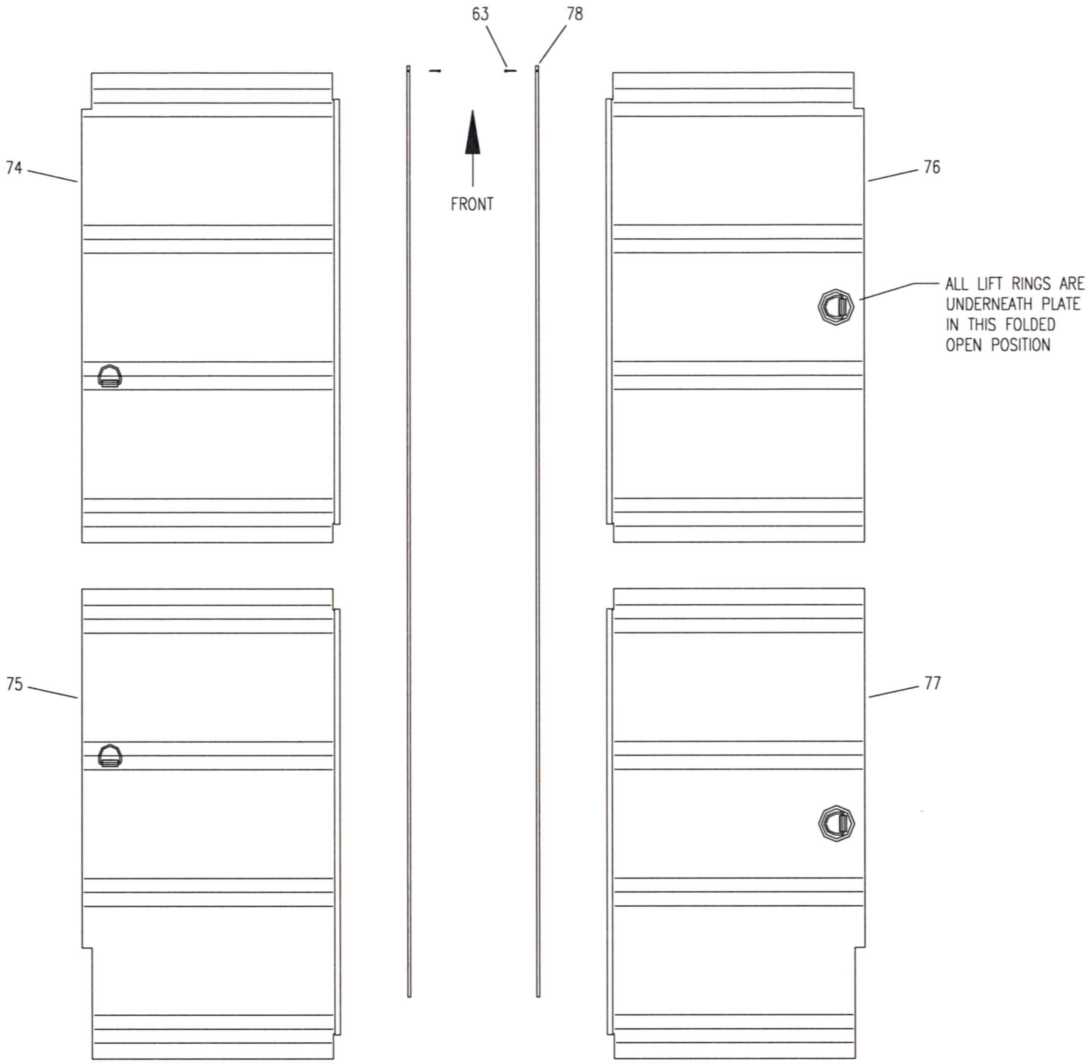
TAILGATE ASSEMBLY



Item	Part Number	Qty.	Description
48	00120-290-01	8	Pin, Bent, CS
	00120-290-02	8	Pin, Bent, SS
49	04091-042-00	4	Spring, Compression, SS
50	04012-001-04	8	Pin, Grooved 3/16" X 1 1/4"
51	00120-243-01	1	Weldment, Tailgate, CS
	00120-243-02	1	Weldment, Tailgate, SS
52	04014-205-00	2	Pin, Hitch, 1" with/Keeper
53	04014-201-01	2	Pin, Lynch
54	*	2	Ring, Split
57	00120-247-01	1	Weldment, Feedgate Carrier, CS
	00120-247-02	1	Weldment, Feedgate Carrier, SS
58	00120-248-01	2	Weldment, Feedgate, CS
	00120-248-02	2	Weldment, Feedgate, SS
61	00120-249-01	1	Weldment, Lift Handle, CS
	00120-249-02	1	Weldment, Lift Handle, SS
62	00120-281-01	2	Bar, Linkage, CS
	00120-281-02	2	Bar, Linkage, SS
63	*	6	Pin, 1/8" X 3/4" Cotter

CS = Carbon Steel
SS = Stainless Steel
* = Indicates Items Readily Available Locally

FOLDING FLOOR ASSEMBLY



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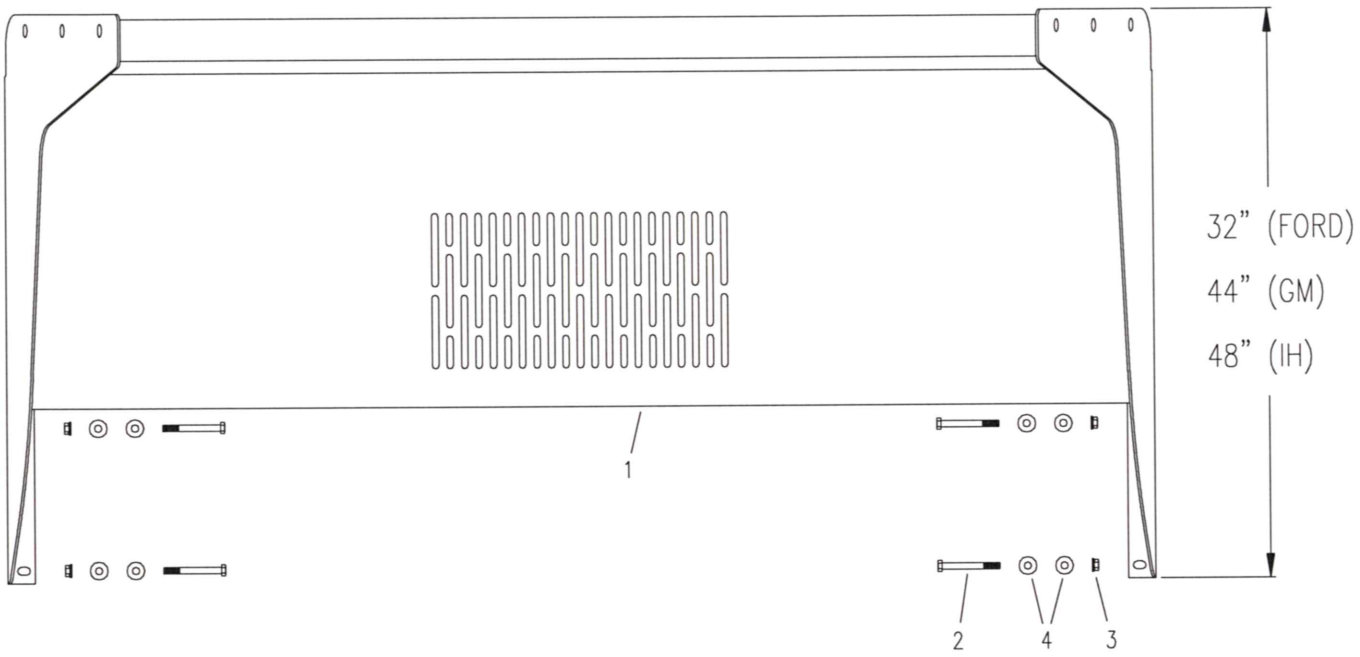
Item	Part Number	Qty.	Description
63	*	2	Pin, 1/8" X 3/4" Cotter
74	00120-411-06	1	Weldment, Left Front Folding Floor 9 Ft., SS
	00120-411-08	1	Weldment, Left Front Folding Floor 10 Ft., SS
	00120-411-10	1	Weldment, Left Front Folding Floor 11 Ft., SS
75	00120-413-06	1	Weldment, Left Rear Folding Floor 9 Ft., SS
	00120-413-08	1	Weldment, Left Rear Folding Floor 10 Ft., SS
	00120-413-10	1	Weldment, Left Rear Folding Floor 11 Ft., SS
76	00120-415-06	1	Weldment, Right Front Folding Floor 9 Ft., SS
	00120-415-08	1	Weldment, Right Front Folding Floor 10 Ft., SS
	00120-415-10	1	Weldment, Right Front Folding Floor 11 Ft., SS
77	00120-417-06	1	Weldment, Right RearFolding Floor 9 Ft., SS
	00120-417-08	1	Weldment, Right Rear Folding Floor 10 Ft., SS
	00120-417-10	1	Weldment, Right Rear Folding Floor 11 Ft., SS
78	00120-408-06	2	Rod, Hinge, 9 Ft., SS
	00120-408-08	2	Rod, Hinge, 10 Ft., SS
	00120-408-10	2	Rod, Hinge, 11 Ft., SS

SS = Stainless Steel
* = Indicates Items Readily Available Locally

CABSHIELD



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Item	Part Number	Qty.	Description
1	00120-226-01	1	Weldment, Cab Shield, CS (GM)
	00120-226-02	1	Weldment, Cab Shield, SS (GM)
	00120-226-03	1	Weldment, Cab Shield, CS (IH)
	00120-226-04	1	Weldment, Cab Shield, SS (IH)
	00120-226-05	1	Weldment, Cab Shield, CS (Ford)
	00120-226-06	1	Weldment, Cab Shield, SS (Ford)
2	*	4	Bolt, 1/2"-13 X 4 1/2" HH
3	*	4	Nut, 1/2"-13 HH Flange
4	*	4	Flatwasher, 1/2" U.S.S.

CS = Carbon Steel
SS = Stainless Steel
* = Indicates Items Readily Available Locally

LIGHT GROUP PARTS LIST

(Parts Drawing Not Available)

Item	Part Number	Qty.	Description
1	00002-210-02	1	Package, Incandescent Lighting System
	#00002-210-02 Package Consists of the Following Items:		
2	04605-195-01	1	Kit, Lamp & Harness (Incandescent)
3	*	2	Bolt, 1/4"-20 X 2" HH, Gr. 5
4	*	2	Nut, 1/4"-20 Serrated Flange
5	*	2	Flatwasher, 1/4"
6	04607-013-00	8	Tie, Nylon, 5 1/2" (Standard)
7	04607-002-00	6	Tie, Nylon, 14" (Heavy Duty)
8	04608-003-00	4	Reflector, Reflex (Red)
9	04607-024-00	6	Clamp, Cushioned, 3/8" Loop, SS
10	04002-069-03	8	Screw, #10-24 X 1/2" HWH Teks/3
	#04605-195-01 Kit Consists of the Following Items:		
11	Special Order Only	1	Harness, Wire
12	04605-274-00	2	Lamp, Red, Model 60 Stop/Turn/Tail
13	04605-154-00	2	Grommet, Model 60 Rubber Mounting
14	04605-117-00	2	Lamp, Red, Model 10 Marker/Clearance w/Reflex
15	04605-119-00	2	Grommet, Model 10 Rubber Mounting
16	04605-275-00	2	Clip, Harness, Right Angle, 1 1/4" Steel

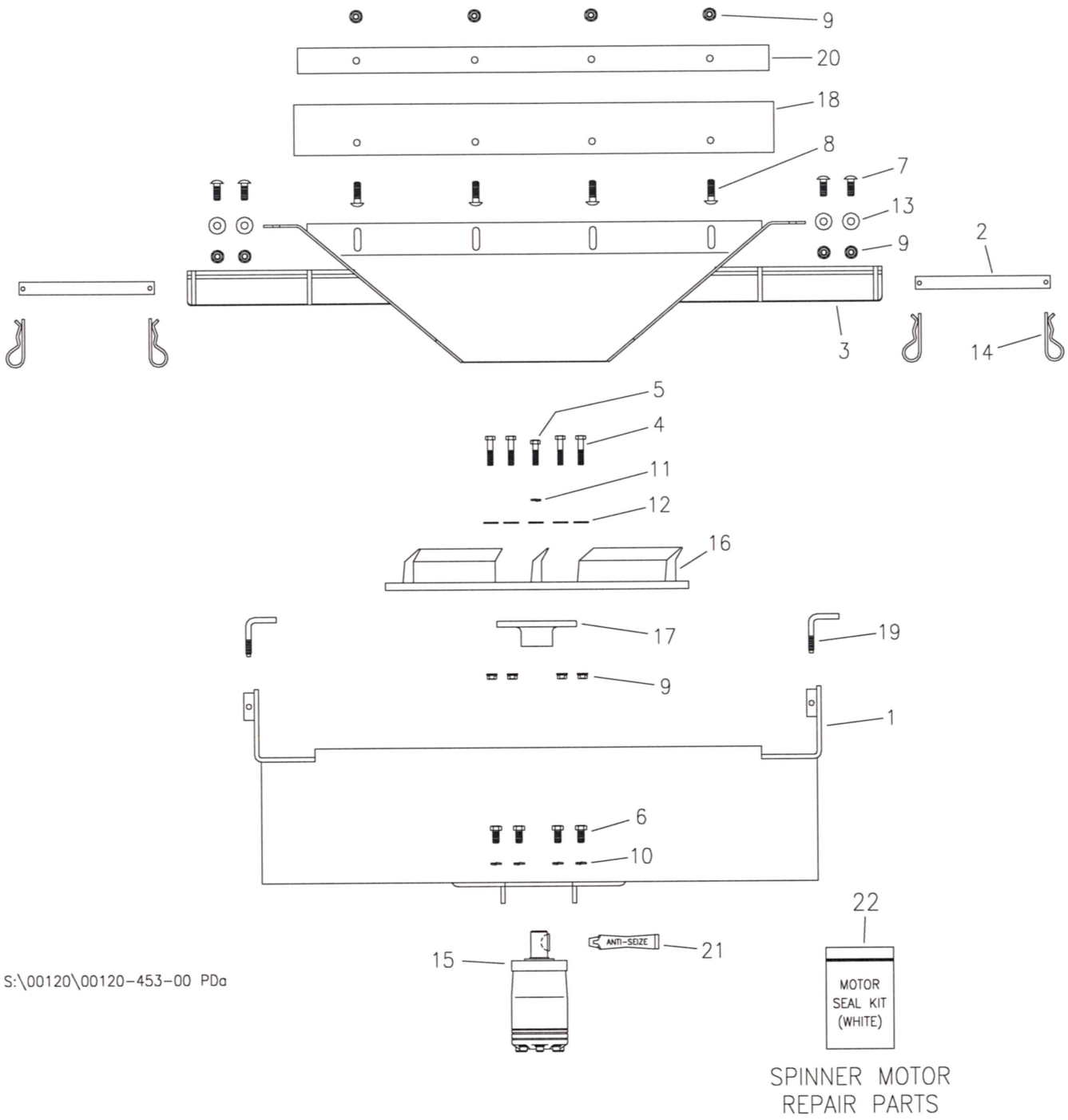
ELECTRICAL CONVEYOR CONTROL PARTS

(Parts Drawing Not Available)

Item	Part Number	Qty.	Description
1	04105-320-00	1	Valve, Solenoid Dump
2	04105-321-00	1	Connector, 1/2" Conduit (Special for Valve)
3	04640-042-00	1	Plate, Recessed Switch
4	04640-019-00	1	Switch, Toggle, ON-OFF
5	04640-004-00	1	Plate, Switch, ON-OFF
6	04640-020-00	1	Boot, Switch, Rubber
7	04616-070-00	15 Ft.	Cable, 2-14 Trailer
8	04607-024-00	8	Clamp, Cushioned, 3/8" Loop, SS
9	04638-043-02	8	Connector, Butt, 16-14 Ga.
10	*	4	Screw, #10-24 X 3/4" HWH Teks/3, SS

SS = Stainless Steel
* = Indicates Items Readily Available Locally

SPINNER ASSEMBLY



S:\00120\00120-453-00 PDa

SPINNER MOTOR REPAIR PARTS

PARTS LIST FOR SPINNER ASSEMBLY

(00120-202-01)

Item	Part Number	Qty.	Description
1	00117-522-01	1	Weldment, Spinner Frame, CS
	00117-522-02	1	Weldment, Spinner Frame, SS
2	00117-524-01	2	Rod, Spinner, CS
	00117-524-02	2	Rod, Spinner, SS
3	00120-203-00	1	Weldment, Spinner Chute, SS Only
4	*	4	Bolt, 5/16-18 X 1 1/2" HH
5	*	1	Bolt, 5/16-18 X 1 1/4" HH
6	*	4	Bolt, 3/8-16 X 3/4" HH
7	*	4	Bolt, 3/8-16 X 1" Carriage Short Neck
8	*	4	Bolt, 3/8" X 1 1/4" Carriage
9	*	8	Nut, 3/8-16 Serrated Flange
10	*	4	Lockwasher, 3/8" Medium Split
11	*	1	Lockwasher, 5/16" Medium Split
12	*	5	Flatwasher, 5/16" U.S.S.
13	*	4	Flatwasher, 3/8" U.S.S.
14	04011-001-02	4	Keeper, Hairpin Large, CS
	04011-001-04	4	Keeper, Hairpin Large, SS
15	04101-035-00	1	Motor, Hydraulic (3 CID)
16	04622-002-00	1	Disc, Poly Spinner 18"
17	06012-003-00	1	Machining, Spinner Hub
18	04076-163-00	1	Wiper, Belt
19	00106-314-00	2	Lock, Spinner, SS
20	00120-455-01	1	Bar, Back-Up, CS
	00120-455-02	1	Bar, Back-Up, SS
21	04540-007-00	1	Tube, Anti-Seize
22	04101-035-98	1	Seal Kit for "White" Roller Stator Spinner Hydraulic Motor (3.2 C.I.D./REV.) (Swenson Motor NO. 04101-035-00)

CS = Carbon Steel
SS = Stainless Steel
* = Indicates Items Readily Available Locally

DECAL GROUP

NOTE:
DECALS HAVE BEEN SHOWN LARGE ENOUGH SO INFORMATION CAN BE EASILY READ. DECALS ARE NOT PROPORTIONALLY SIZED WITH REFERENCE TO EACH OTHER.

CAUTION

1. KEEP ALL SHIELDS 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 PTO, SHUT OFF HYDRAULIC VALVE, AND SET PARKING BRAKE BEFORE LEAVING OPERATORS POSITION. MAKE SURE ALL MOVEMENT HAS STOPPED BEFORE SERVICING, UNCLOGGING, OR CLEANING MACHINE.
5. USE FLASHING LIGHTS WHEN OPERATING MACHINE.
6. MAKE SURE MACHINE IS SOLIDLY SUPPORTED WHEN IT IS BEING MOUNTED, DISMOUNTED, OR STORED.

IF DEFACED - ORDER PART NO. 04049 043 00

2

DANGER

DO NOT GO UNDER A RAISED LOADED BODY.

DO NOT GO UNDER A RAISED BODY WITHOUT PROPPING IT-BODY MUST BE EMPTY.

DURING DUMPING OPERATIONS NO ONE SHALL STAND IN OR MOVE THROUGH THE AREA WHERE THE BODY AND THE HOIST OPERATE OR LOAD MIGHT DISCHARGE.

OPERATOR MUST REMAIN AT CONTROLS IN CAB DURING DUMPING OPERATIONS.

DO NOT LEAVE BODY RAISED OR PARTLY RAISED WHILE VEHICLE IS UNATTENDED OR WHILE PERFORMING MAINTENANCE OR SERVICE UNDER BODY UNLESS BODY IS PROPPED TO PREVENT ACCIDENTAL LOWERING.

ALWAYS DISENGAGE PTO WHEN HOIST IS NOT IN USE OR WHEN MOVING VEHICLE.

DO NOT ATTEMPT TO RAISE A LOADED BODY WHEN VEHICLE IS ON UNLEVEL GROUND.

IF DEFACED - ORDER PART NO. 04049 321 00

5

DANGER

Turn power off before servicing or cleaning

IF DEFACED - ORDER PART NO. 04049 162 00

4

DANGER

DO NOT GO UNDER A RAISED LOADED BODY.

DO NOT GO UNDER A RAISED BODY WITHOUT PROPPING IT - BODY MUST BE EMPTY.

DO NOT LEAVE RAISED BODY UNATTENDED WITHOUT PROPPING.

DO NOT POWER DOWN WHILE BODY IS PROPPED. SEE OWNERS MANUAL FOR CORRECT OPERATION OF BODY PROPS.

IF DEFACED - ORDER PART NO. 04049 322 00

6

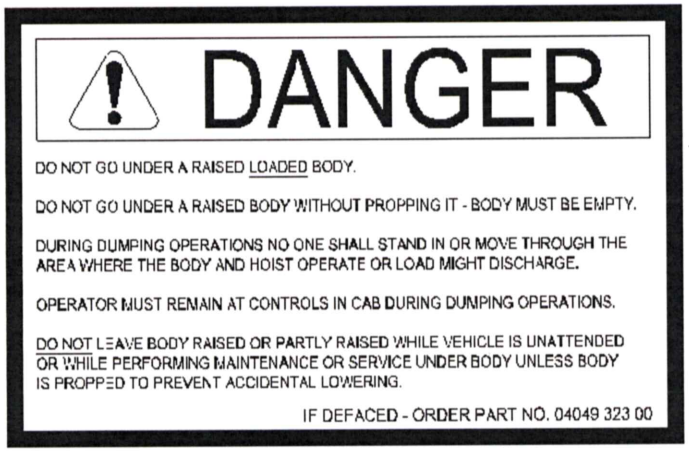
DANGER

Stay clear while spinner is turning

IF DEFACED - ORDER PART NO. 04049 044 00

11

DECAL GROUP (CONTINUED)



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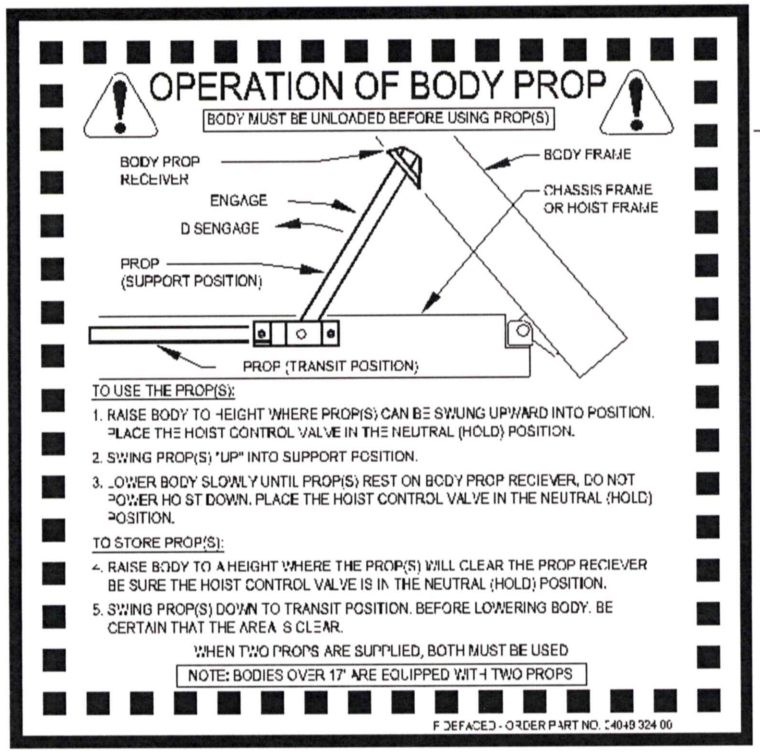

8

14

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12

1

Item	Part Number	Qty.	Description
1	04049-379-00	3	Chameleon Decal
2	04049-045-00	1	General Caution Decal
3	04049-182-00	3	Conveyor Danger Decal
4	04049-321-00	2	Body General Danger Decal
5	04049-322-00	2	Truck Frame Danger Decal
6	04049-121-00	1	Auger Danger Decal
7	04049-323-00	2	Body General Danger Decal (Small)
8	04049-324-00	2	Body Prop Operation Decal
11	04049-044-00	1	Spinner Danger Decal
12	04049-358-00	1	No Step Decal
14	04049-380-00	1	Do Not Overload Decal
15	04049-383-00	2	Fold-Down Side Decal

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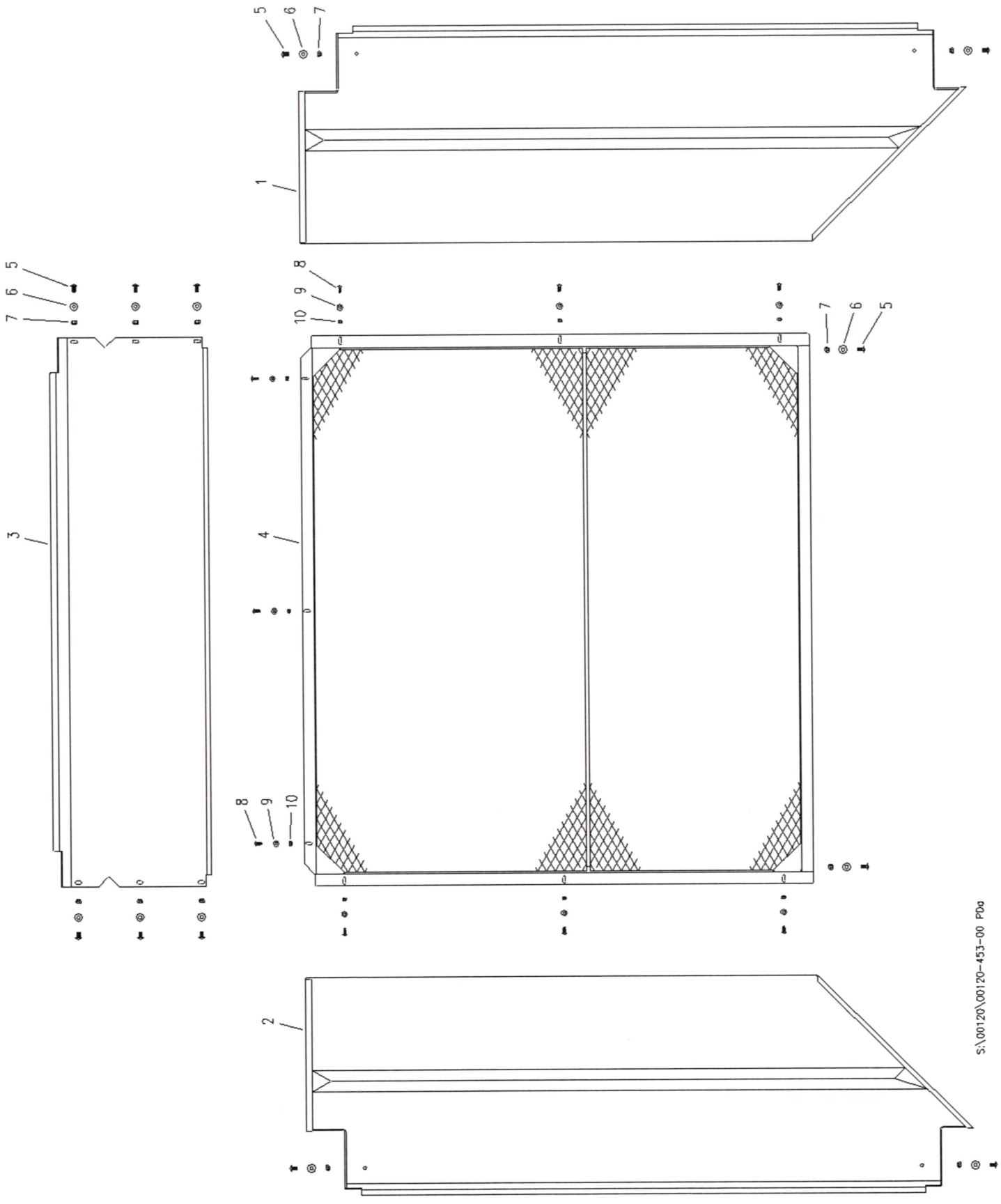
LEAF BIN ASSEMBLY

(OPTIONAL)



LEAF BIN ASSEMBLY

(OPTIONAL)

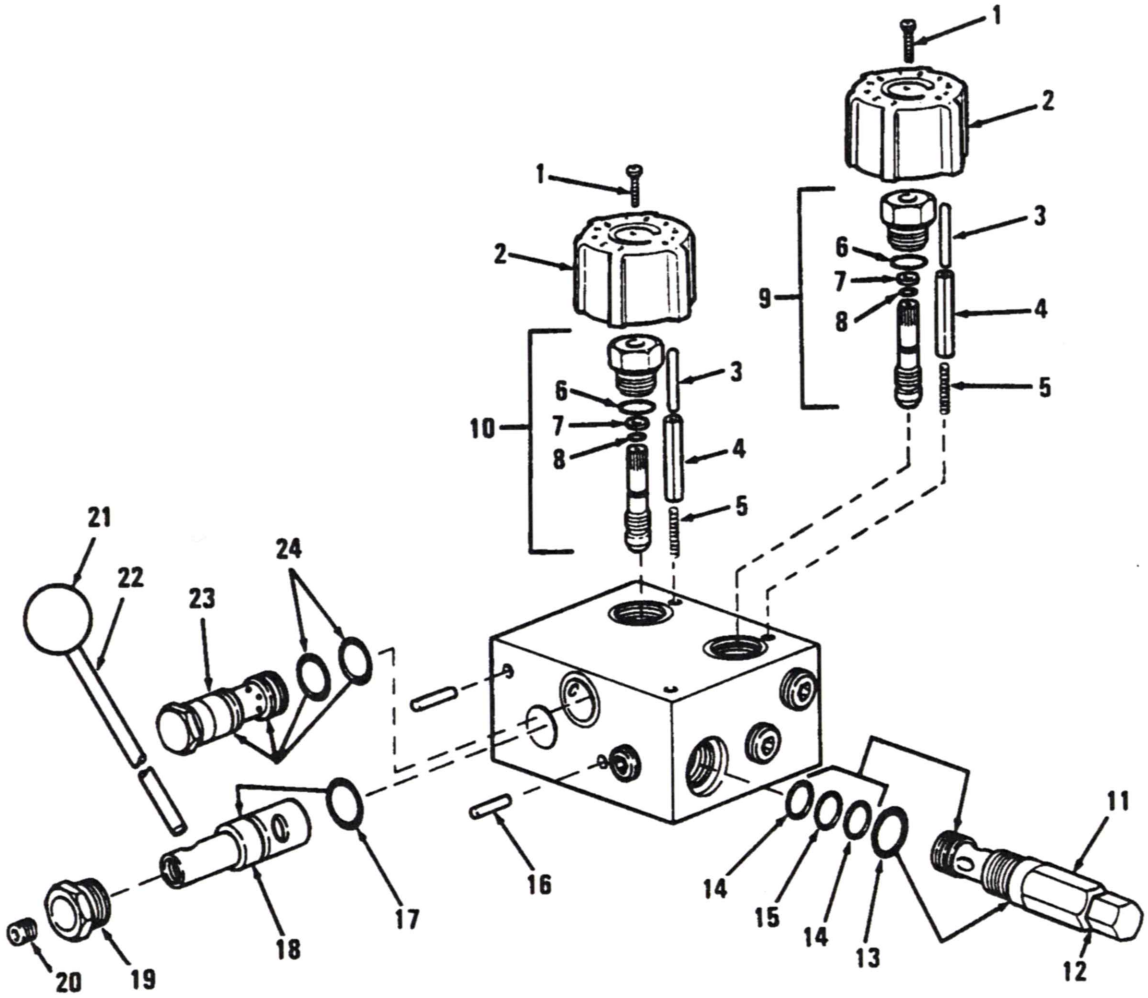
Item	Part Number	Qty.	Description
1	00120-446-05	1	Weldment, R.H. Sideboard, 9 Ft., CS
	00120-446-06	1	Weldment, R.H. Sideboard, 9 Ft., SS
	00120-446-07	1	Weldment, R.H. Sideboard, 10 Ft., CS
	00120-446-08	1	Weldment, R.H. Sideboard, 10 Ft., SS
	00120-446-09	1	Weldment, R.H. Sideboard, 11 Ft., CS
	00120-446-10	1	Weldment, R.H. Sideboard, 11 Ft., SS
2	00120-447-05	1	Weldment, L.H. Sideboard, 9 Ft., CS
	00120-447-06	1	Weldment, L.H. Sideboard, 9 Ft., SS
	00120-447-07	1	Weldment, L.H. Sideboard, 10 Ft., CS
	00120-447-08	1	Weldment, L.H. Sideboard, 10 Ft., SS
	00120-447-09	1	Weldment, L.H. Sideboard, 11 Ft., CS
	00120-447-10	1	Weldment, L.H. Sideboard, 11 Ft., SS
3	00120-450-01	1	Panel, Front, Leaf Bin, CS
	00120-450-02	1	Panel, Front, Leaf Bin, SS
4	00120-449-05	1	Weldment, Top Screen, 9 Ft., CS
	00120-449-06	1	Weldment, Top Screen, 9 Ft., SS
	00120-449-07	1	Weldment, Top Screen 10 Ft., CS
	00120-449-08	1	Weldment, Top Screen 10 Ft., SS
	00120-449-09	1	Weldment, Top Screen 11 Ft., CS
	00120-449-10	1	Weldment, Top Screen 11 Ft., SS
5	*	12	Bolt, 1/2-13 X 1" Carriage Short Neck, SS
6	*	12	Flatwasher, 1/2" U.S.S., SS
7	*	12	Locknut, 1/2-13 Nylon Insert, SS
8	*	9	Bolt, 3/8-16 X 1" Carriage Short Neck, SS
9	*	9	Flatwasher, 3/8" U.S.S., SS
10	*	9	Locknut, 3/8-16 Nylon Insert, SS

CS = Carbon Steel
SS = Stainless Steel
* = Indicates Items Readily Available Locally

HYDRAULIC DUAL FLOW CONTROL VALVE

(OPTIONAL)

(04105 285 00)



PARTS LIST FOR HYDRAULIC DUAL FLOW CONTROL VALVE

(OPTIONAL)

(04105 285 00)

Item	Part Number	Qty.	Description
1A	04105-285-46		Detent Repair Kit (Consists of 1,2,3,4 & 5)
1B	04105-285-09		Kit, Seal for Item # 9 & 10 Consists of Items 6, 7 & 8
1D	04105-285-31		Kit, Seal
			Consists of Items: 6,7,8,12,13,14,15,17,23 & 24
1		2	Screw
2		2	Handknob
3		2	Dowel Pin
4		2	Roll Pin
5		2	Spring
6		2	O-Ring®
7		2	Back-up, Teflon®
8		2	O-Ring, Viton®
9	04105-285-10	1	Auger Adj. Assy. - 7 GPM
	04105-285-11	1	Auger Adj. Assy. - 10 GPM
	04105-285-12	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
	04105-285-17	1	Spinner Adj. Assy. - 7 GPM
	04105-285-18		Spinner Adj. Assy. - 10 GPM
11	04105-285-19	1	Relief Cartridge
12		1	Gasket
13		1	O-Ring, Viton ®
14		2	Ring, Back-up, Teflon®
15		1	O-Ring, Viton®
16	04105-285-24	2	Roll Pin
17		1	O-Ring (Dump Stem)
18	04105-032-21	1	Stem (Not Available - Can no longer service)
19	04105-285-26	1	Plug
20	04105-032-26	1	Setscrew
21	04105-032-28	1	Handknob
22	04105-032-25	1	Handle
23		1	Bypass Assy.
24		2	O-Ring, Viton®

PARTS LIST FOR VALVE STAND KIT

(#00001-692-00)

(See page 8 for Drawing)

Item	Part Number	Qty.	Description
1	00105-874-00	2	Valve Stand (Upright)
2	00105-873-00	1	Flange Plate
3	04003-001-10	2	Bolt, 1/4" X 3" H.H.
4	04003-001-05	8	Bolt, 1/4" X 1" H.H.
5	04003-801-07	10	Nut, 1/4" H.H.
6	04004-001-05	10	Lockwasher, 1/4" Medium Split

SERIAL NUMBER DECAL INFORMATION

☐ When ordering parts or requesting information or assistance, always include the information listed below.

☐ The description, part number, and serial number for the spreader is shown on the serial number decal.

☐ The space below is provided as a convenient place to record these numbers; just fill in the blanks.

DESCRIPTION_____

PART NUMBER_____

SERIAL NUMBER_____

DATE PURCHASED_____

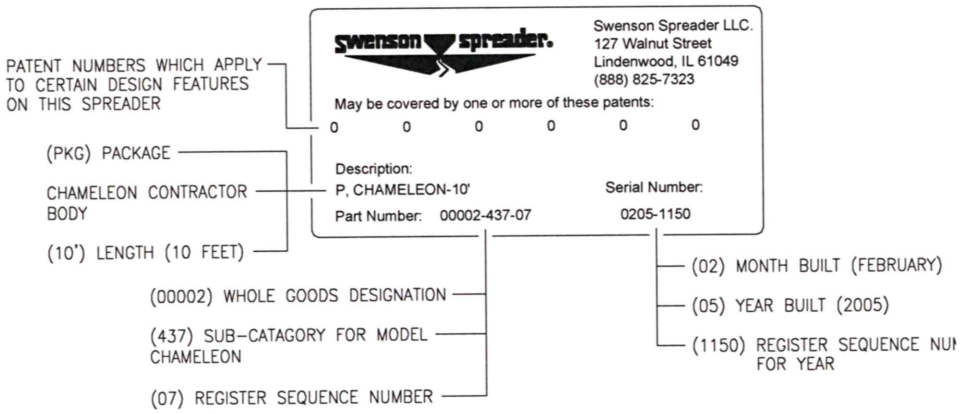
PURCHASED FROM_____

DEALER'S SERVICE DEPARTMENT PHONE NUMBER

_____

NOTE: Numbers shown on decal below are for example purposes only. Refer to decal on spreader for recording numbers above.

EXPLANATION OF SERIAL NUMBER DECAL



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CALL YOUR AUTHORIZED SWENSON SPREADER DEALER FOR PARTS AND SERVICE
SWENSON SPREADER (815) 393-4455
TOLL FREE (888) 825-7323
FAX (866) 310-0300
email: swensonsales@swensonspreader.com

SWENSON SPREADER LLC
P.O. BOX 127 - LINDENWOOD, ILLINOIS 61049

swenson spreader®

Effective 5/1/99

Dealers have the responsibility of calling to the attention of their customers the following warranty prior to acceptance of an order from that customer for any SWENSON® **product.**

WARRANTY

SWENSON **warrants to the original purchaser for use that, if any part of the product proves to be defective in material or workmanship within one year from the date of original installation, and is returned to** SWENSON **within 30 days after such defect is discovered,** SWENSON **will (at our option) either replace or repair said part. This warranty does not apply to damage resulting from misuse, neglect, accident or improper installation or maintenance. Said part will not be considered defective if it substantially fulfills the performance specifications. THE FOREGOING WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES OF MERCHANTABILITY, FITNESS FOR PURPOSE AND OF ANY OTHER TYPE, WHETHER EXPRESS OR IMPLIED. SWENSON® neither assumes nor authorizes anyone to assume for it any other obligation or liability in connection with said part and will not be liable for consequential damages.**

All gasoline engines and hydraulic pumps are warranted by their manufacturer and not by Swenson Spreader LLC. Electrical or hydraulic components are not to be disassembled without the express written permission of Swenson Spreader LLC. Defective parts returned to Swenson Spreader LLC must be accompanied by the following information: spreader model, serial number, date installed and dealer from whom purchased.

Purchaser accepts these terms and warranty limitations unless the product is returned within fifteen days for full refund of purchase price.

SWENSON SPREADER LLC
P.O. BOX 127
LINDENWOOD, ILLINOIS 61049-0127

PHONE: (815)393-4455
TOLL FREE: (888)825-7323
SALES & SERVICE FAX: (866)310-0300

email:swensonsales@swensonspreader.com
website: www.swensonspreader.com

IMPORTANT INFORMATION ENCLOSED