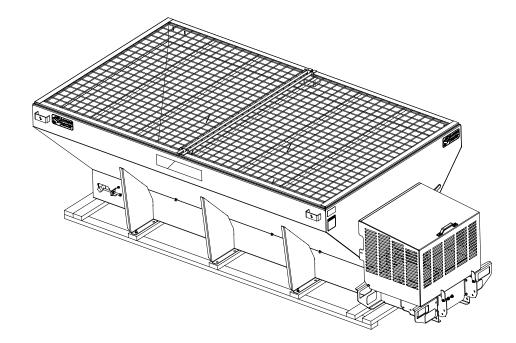
MDV TM SPREADER SERIES





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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, SERVICING AND MAINTAINING EQUIPMENT.







NOTICE: INSTRUCTIONAL MATERIAL AND PARTS LISTS INCLUDED IN THIS MANUAL ARE SUBJECT TO CHANGE WITHOUT NOTICE.

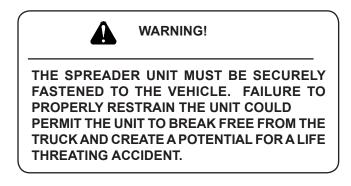
INSTALLATION AND ASSEMBLY INSTRUCTIONS



READ ALL OF THE INSTALLATION INSTRUCTIONS BEFORE STARTING.

INSTALLATION INSTRUCTIONS:

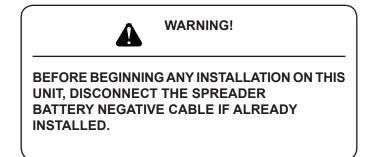
The Meyer MDV TM Spreader can be mounted and stored as a single unit. The Meyer MDVTM Spreader will mount on most 15,000 to 20,000 GVW and larger trucks.



NOTE: TRANSPORTATION OF SPREADER MUST BE DONE WITH SPINNER IN THE DOWN POSITION. DAM-AGE MAY OCCUR IF TRANSPORTED IN RAISED POSI-TION.

DO NOT OVERLOAD THE VEHICLE

It is quite possible to overload the vehicle by improperly mounting or overloading the spreader. This could result in dangerous stability and braking problems. Always consult and follow the truck manufacturer's instructions.



1. Place the spreader in the rear of the truck with the engine/motor to the rear of the truck. Center the spreader(side to side) in the truck.

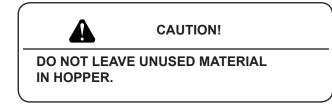


INSURE THAT THE SPREADER CANNOT TIP WHEN THE SPINNER ASSEMBLY IS ATTACHED.

2. Attach or lower spinner assembly.

3. Position the spreader in the truck bed, just short of making contact with the rear most part of the truck bed, bumper, pintle hook etc. Bolt the unit to the truck using a minimum of four (4) 1/2" Grade 5 bolts and corresponding washers and locknuts. The spreader is designed to sit flat on the bed of the truck, supported by the longitudinal sides.

DO NOT SUPPORT THE SPREADER BY THE BODY JACKS ALONE! UNIT IS NOT DESIGNED FOR CHASSIS MOUNT APPLICATIONS!



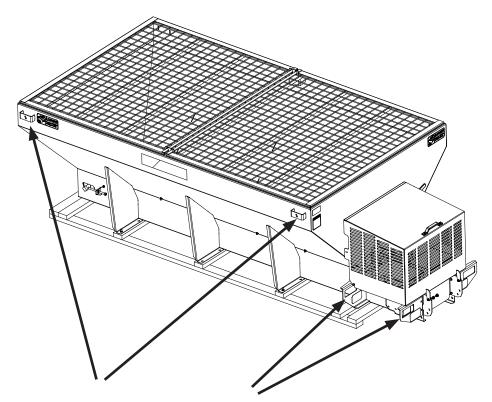
4. Material could freeze causing the unit to not function correctly. Hopper should be emptied and cleaned after each use.



MOUNTING METHOD IS ACCEPTABLE TO THE VEHICLE MANUFACTURER.

5. Attach the hold down at each corner of the hopper as shown on page 5. Locate and drill four .531(17/32") diameter holes for eyebolts in the truck bed. Straps must be positioned at opposing angles so that the spreader cannot slide forward or rearward. Assemble ratchet/strap to eye bolts. Tighten hold downs evenly. Do not overtighten, damage will result to the spreader or the truck.

Note: If truck is equipped with sufficient tie downs, they may be used in place of eyebolt.



To install and remove spreader from truck, lift by using the four (4) hold down supports on the sides of the spreader or fork lift pockets.



DO NOT ATTEMPT TO LIFT SPREADER BY THE **CENTER LIFT OR CORNER LIFT HOOKS WITH** MATERIAL IN THE SPREADER.



WARNING!

ALWAYS USE SUFFICIENTLY RATED CHAIN WITH SAFETY HOOKS WHEN LIFTING SPREADER.

INSTALLATION AND ASSEMBLY INSTRUCTIONS OPTIONAL HOLD DOWN KIT

00002-306-00



* Photo for hold down reference only, not MDV installation. MDV cannot be installed in pick-up type vehicles.

1 <u>tem</u>	Part Number	<u>Qty.</u>	<u>Description</u>
1	04068-038-00	4	Ratchet/Strap
N/S	04048-504-02	4	Bolt, 1/2" Eye
N/S	04003-804-06	4	Locknut, 1/2-13 Nylon Insert ZP
N/S	04003-801-11	4	Nut, 12-13 Hex ZP
N/S	04004-002-16	8	Flat washer, 3/4" U.S.S. ZP

N/S = NOT SHOWN

NOTE: If truck is equipped with sufficient tie downs, they may be used in place of eyebolt.

INSTALLATION INSTRUCTIONS HYDRAULIC CONTROLS



LEAKING HIGH PRESSURE FLUIDS CAN INJECT THEMSELVES UNDER THE SKIN OF PERSONS NEAR A LEAK, CREATING GRAVE MEDICAL RISKS. TAKE CARE TO AVOID EXPOSURE TO HIGH PRESSURE FLUIDS.

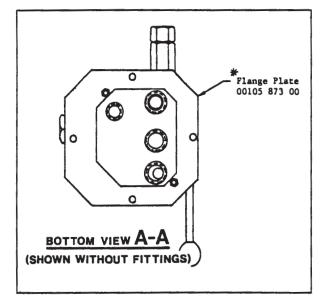
- 1. Hydraulic components should be kept as clean as possible during assembly operations.
- 2. Galvanized pipe and pipe fittings must not be used because flaking of galvanizing material can cause damage to major hydraulic components.
- A pipe joint sealant, compatible with hydraulic oil, must be applied to all NPT fittings. Teflon tape is not recommended. Do not apply pipe joint sealant to ORB or JIC fittings.
- 4. Hose should be protected where severe wear may be caused by vibration or sliding movement.
- 5. Long runs of hose should be supported by tie wiring or clamping.
- 6. Pressure and return hoses, connected to hydraulic motors, may be reversed for proper motor rotation. Spinner rotates in a clockwise direction when looking down from top.

- 7. Use hose manufacturers recommendations for fitting reusable hose ends.
- 8. Hydraulic pumps must be mounted so shaft rotates in direction of arrow.
- 9. Locate reservoir as close to pump as possible. It may be installed on truck frame or truck box.
- 10. Hydraulic return line filter is screwed directly onto reservoir with cartridge down. Oil must flow through filter in direction of arrow on filter.
- 11. Install the quick connect couplings so that when disconnected, there is a male and female on the truck as well as on the spreader. This way hoses will always be hooked up properly, and hose ends can be coupled together when spreader is in storage to prevent system contamination.
- 12. See page 9 for valve assembly.
- 13. Operate hydraulic system for several minutes to warm up. Check all connections for leaks.
- 14. After running, refill reservoir to three-fourths full.

CONTROL AND HYDRAULIC SYSTEM SPECIFICATION

*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
*Oil Flow	0 - 10 GPM - With single flow valve connect conveyor and spinner in series.
*Oil Flow	0 - 15 GPM - With dual flow valve connect separate pressure line to conveyor and spinner motor.

INSTALLATION INSTRUCTIONS DUAL FLOW VALVE/STAND

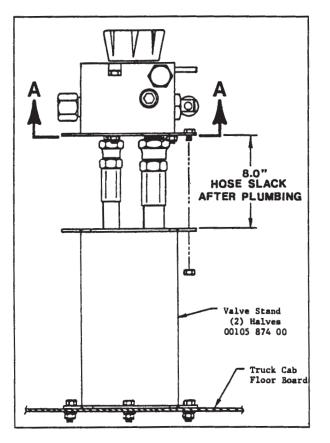


1. IMPORTANT: A pipe joint sealant compatible with hydraulic oil must be applied to all NPT fittings. Teflon Tape Sealant Is Not Recommended. Do not apply pipe joint sealant to ORB or JIC fittings.

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" 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.

INSTALLATION INSTRUCTIONS CENTER HIGH MOUNT STOP LAMP (CHMSL)



FEDERAL MOTOR VEHICLE SAFETY STAN-DARDS REQUIRE ALL TRUCKS, BUSES AND MULTIPURPOSE PASSENGER VEHICLES MANUFACTURED ON OR AFTER 5/1/1993, WITH A GROSS VEHICLE WEIGHT RATING (GVWR) OF 10,000 LBS. OR LESS AND OVERALL WIDTH LESS THAN 80" BE EQUIPPED WITH A CENTER HIGH MOUNT STOP LAMP.

<u>NOTE:</u> If the original equipment CHMSL is obscured, an auxiliary CHMSL must be installed to bring the vehicle back into compliance with Federal Regulations.

ELECTRICAL CONNECTIONS FOR AUXILIARY CHMSL:

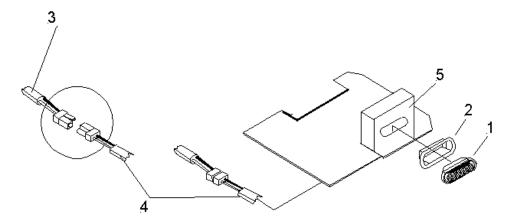
 Use high quality butt connectors and shrink wrap on all electrical splice connections. Wire should be routed and secured to protect against abrasion, sharp edges, and excessive movement. It is highly recommended that wiring be placed in convoluted tubing and secured with tie wraps.

- 2. When drilling holes, any bare metal should be coated with a rust preventative; use appropriate size grommets and seal hole with appropriate sealant.
- 3. Allow for normal movement/twisting between cab and chassis/pickup box when routing wires.
- 4. When spreader is removed from the truck, the **OEM CHMSL** must be reconnected.



CONSULT THE TRUCK MANUFACTURER FOR AN APPROVED METHOD OF CONNECTING AN AUXILIARY CHMSL TO A PARTICULAR TRUCK WHICH IS TO CARRY THE SPREADER. METH-ODS VARY WITH TRUCK MODELS, OPTIONAL EQUIPMENT AND YEARS OF MANUFACTURER.

IMPROPER CONNECTIONS COULD RESULT IN A VARIETY OF PROBLEMS AFFECTING CRITICAL SYSTEMS SUCH AS BRAKING, ELECTRICAL AND EMISSION! DON'T GUESS!



<u>ltem</u>	Part Number	Qty.	Description
1	04605-153-00	1	Lamp, Stop
2	04605-154-00	1	Grommet, Mounting
3	04616-075-00	1	Cable, Stop Lamp Power (Truck)
4	04605-155-00	1	Cable, Light Power (Hopper)
5	00119-878-00	1	Forming, Rear Stop Light Bracket

INSTALLATION INSTRUCTIONS ELECTRIC THROTTLE CONTROLS (FACTORY INSTALLED ACTUATORS)



BEFORE BEGINNING ANY INSTALLATION ON THIS UNIT, DISCONNECT THE PV SPREADER BATTERY NEGATIVE CABLE IF ALREADY INSTALLED.

WARNING!

1. Spreaders with factory installed throttle controls do not require installer hookup to the engine. The actuator has been installed and tested at the factory.

2. Remove the engine shroud and securely place it on the ground.

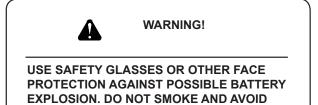
3. It is recommended that a 12 volt battery with 40 ampere hour rating be installed for winter use. The battery hold downs furnished will accept any 2SM series battery.

4. Attach the positive battery cable (each end should have a red rubber boot) to the positive terminal on the solenoid and to the terminal of the battery. Make sure these protective boots are covering the positive terminal post on the battery and on the solenoid. 5. Connect the negative battery terminal to the engine mounting bolt for proper grounding. When finished, make sure all wires are away from hot or moving parts and replace engine shroud.

<u>NOTE:</u> Read and fully understand the owners manual supplied by the engine manufacturer before operating this equipment. Not doing so, endangers your safety and the warranty of the engine.



NEVER OPERATE MACHINE WITH ENGINE SHROUD REMOVED. NEVER CLIMB INTO THE HOPPER WHILE THE ENGINE IS OPERATING OR CAPABLE OF BEING OPERATED. SERI-OUS INJURY OR DEATH MIGHT OCCUR.

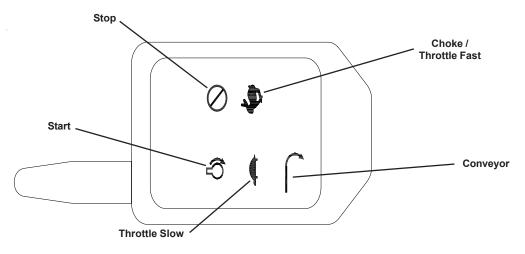


OTHER SOURCES OF IGNITION.

SPREADER OPERATION

Wireless Throttle Control Button Functions

(Sequence of Operations)



- A. ON/Off System power activated (ready to start). Spreader engine not running. Spreader conveyor is not engaged.
- B. START (Engine Only)

Open fuel shut off valve on engine. CHOKE (Cold engine.) Hold down for 5 seconds to move the throttle actuator to the choke position.

NOTE: Choking a warm engine may not be necessary.

- START Hold down button until engine starts.
- TURTLE Decreases throttle speed adjust as engine warms up. Will stop the choke function.
- RABBIT Increases throttle speed.

C. TO ENGAGE SPREADER CONVEYOR

CONVEYOR Push CONVEYOR switch only after you are sure no one is in the hopper or near the spinner!

D. TO CONTROL CONVEYOR SPEED

- RABBIT Hold RABBIT to increase speed.
 - Note <u>DO NOT</u> hold switch in <u>HI</u> position after the desired RPM is achieved or you will choke and/or stall the engine.
- TURTLE Hold TURTLE to decrease speed.
- E. TO DISENGAGE SPREADER CONVEYOR CONVEYOR Push conveyor button.

F. TO TURN ENGINE OFF (With or without conveyor running).

TURTLE	Push throttle slow button to
	reduce setting to idle (this prevents
	engine flooding and hard starting).
STOP	Push STOP button and hold
	5 seconds.

NOTE: OFF can be pushed at anytime during spreader operation to cut power to the unit; however, you should normally use steps under F above.

- G. Do not attempt to start the engine with the conveyor engaged.
- H. Close fuel shut off valve on engine if unit is to be transported while not running.



- 1. As with all power equipment, safety is the number one concern.
- 2. Do not operate this equipment until you fully understand how it functions.
- Before starting engine, be sure that no one is near the rear of the unit and that no one is inside the unit!
- 4. Do not start the engine or engage the conveyor (which is interconnected to the spinner) until everyone is clear from moving parts and flying material from the spinner.

Swenson Spreader Wireless Controller

The wireless controller is a compact unit with two parts. One part is the **Base Unit (Receiver)** and the other part is the **Transmitter (Hand Held Controller)**. The Transmitter is used to send a corresponding signal to the Base Unit to act as a remote switching device.

Set-up and Operation

The Swenson Wireless Controller comes factory programmed. That means matching the Base Unit to the Transmitter has been done by Swenson Spreader. This gives a matched (1 of 16 million combinations @ 418MHz) interface between the Transmitter and Base Unit. See Figures 1 & 2 for Transmitter button assignments. On the 8 button Swenson Spreader Transmitter, all (8) buttons are used when programming. When programming is completed, only (5) buttons are functional (Buttons #1, #3, #4, #5, & #6) (see Fig. 1).

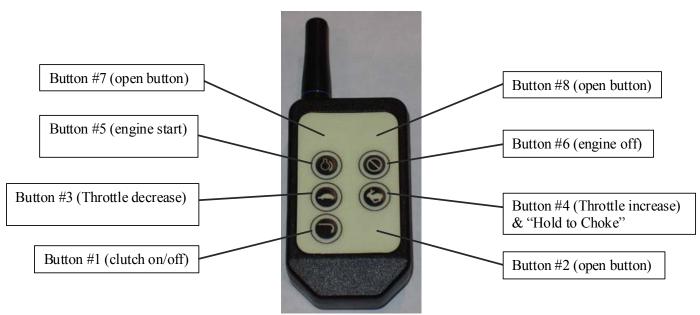


Fig. 1: Transmitter Front Button Assignments



Fig. 2: Transmitter Back Button Assignments

Fig. 3: Base Unit layout (Figure shown without Base Unit Cover)

Programming/Reprogramming the Transmitter and the Base Unit:

Tools needed: A small "phillips" screwdriver and a small diameter pin (paper clip). Instructions to program Transmitter and Base Unit:

- 1. Remove (4) screws and cover on Base Unit.
- Power-up the Base Unit. Connect a 12V power source to the spreader 12V battery terminals and plug the engine wire harness to the Base Unit wire harness (see Male Connector in Fig. 3). <u>DO</u> <u>NOT DISCONNECT THE BATTERY TERMINALS</u> from the 12V source when engine is running.
- 3. On the backside of the Transmitter depress the "<u>ADD</u>" button (see Fig. 2) using a small pin or paper clip You will see a "blue" LED start to blink (for approximately 15-17 seconds).
- 4. On the front side of the Transmitter press all (8) buttons (see Fig. 1). There is no certain order to press the buttons. Firmly press each button, separately. Perform this step before the 15-17 seconds are up (before "blue" LED stops blinking). The Transmitter is now programmed and has created its own 1 in 16 million address. Once the "blue" LED stops blinking, this step is completed.
- 5. On the Base Unit (see Fig. 3) press the black "<u>LEARN</u>" button. The "red" LED will start to blink (for approximately 15-17 seconds).
- 6. On the front side of the Transmitter you only need to press Button #1 (clutch on/off), once. Perform this step before the 15-17 seconds are up (before "red" LED stops blinking). The base unit has now recognized the Transmitters unique 1 in 16 million address. Once the "red" LED stops blinking, this step is completed.
- 7. Verify the (5) functional buttons (Buttons #1, #3, #4, #5, & #6) on the Transmitter are working with the Spreader Unit by pressing each button, individually (the Base Unit "red" LED will flash when a Transmitter button is pressed). If Transmitter buttons are not working, repeat steps 3 8 or see the Trouble shooting directions.
- 8. When Transmitter buttons are functioning properly, re-assemble the Cover on the Base Unit with the (4) screws. Your Swenson Wireless Controller is now ready to use!

Transmitter Battery Replacement

The Transmitter uses a standard CR2032 lithium button cell battery. In normal use it will provide 1 to 2 years of operation. To replace the Transmitter battery, gently press and slide the battery cover off. Remove the battery by sliding (NOT lifting) it out from underneath the retainer (see Fig. 4). Observe the battery polarity when replacing ("+" showing face up). Notes:

- 1. If the battery looses power or is removed the Transmitter and Base Unit may need to be reprogrammed (see reprogramming Transmitter and Base Unit instructions). Check Transmitter functional buttons to verify if reprogramming is necessary.
- 2. When removing lithium battery, please use caution to slide not lift the battery from the controller! If excess force is used to remove the battery (example: lifting the battery with a small screw driver) the solder connections from the battery clip to the circuit board could be pried loose. This action is not covered under warranty.

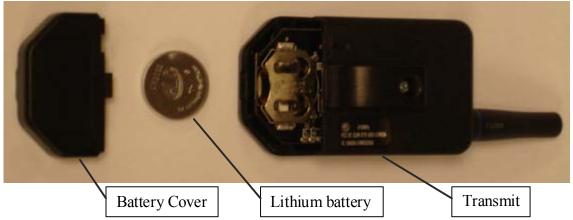


Fig. 4: Back of Transmitter with back cover and battery removed

Other Considerations

- 1. **Powering off the engine will not automatically power off the Clutch** (engagement of conveyor/spinner). If clutch remains engaged, after engine is turned off, it could lead to a slow electrical drain on the 12V battery.
- 2. If an unregulated voltage (example: sparking the battery cable terminal to the 12V battery post.) is sent to the Base Unit it could erase the Base Unit programming. The remote may show signs of no longer working with the Base Unit. Reprogramming will be required. When 14Amps are supplied the Base Unit circuit board is designed to shut off. See additional trouble shooting comments.
- 3. Only one transmitter at a time can be activated within a reception area. Only one carrier of a particular frequency may occupy the same airspace at a given time. This means that if two transmitters are activated in the same area at the same time the signals will interfere and the decoder on the receiver will not see a valid transmission and the wireless controller will not function.
- 4. **Multiple Transmitters** can be programmed to (1) Base Unit.
- 5. To verify the Base Unit is receiving a signal from the Transmitter. Press a button on the Transmitter "red" LED on the Base Unit will light-up.
- 6. Swenson Spreader, LLC has no control over the intended usage of this product. Because of that Swenson Spreader, LLC offers no written or expressed liability as to how this product is used. Swenson Spreader, LLC recommends that these units are intended for <u>OFF ROAD USE ONLY!</u>

TROUBLE SHOOTING

1. <u>To verify the Transmitter and Base Unit are working together:</u> Once the base unit has power the "red" LED will come on when the Transmitter buttons are depressed (Cover of Base Unit will need to be removed to see "red" LED). If the "red" LED does not come on, the Base Unit is NOT getting a signal from the Transmitter.

Possible Solutions:

- A. Reprogramming the Transmitter and Base Unit might be required.
- B. Base Unit might not be functioning properly (see Base Unit trouble shooting below).
- C. Transmitter might not be functioning properly. (see Transmitter trouble shooting below).
- 2. <u>Base Unit Programming Lose:</u> If an unregulated voltage (spark) is sent to the Base Unit from a power source the Base Unit could lose its programming. The voltage spike will not damage the Base Unit or Transmitter. Unregulated voltage could generate from the following:
 - Connecting battery cables to a 12V battery source.
 - Jump starting the 12V battery.
 - Charging the 12V battery.
 - Pull-starting the engine.

Possible Solutions:

- A. Reprogramming the Transmitter and Base Unit may be required.
- B. Base Unit might be damaged, a new Base Unit & Transmitter will need to be ordered.
- 3. <u>Base Unit does not function properly:</u> (example: "red" LED will not light up when "<u>LEARN</u>" button is depressed on Base Unit).

Possible Solutions:

- A. Check/verify voltage of 12V is being supplied by the 12V battery. Lower voltages than 12V will not allow the Base Unit to function properly.
- B. Confirm all wires on engine wire harness are secure and properly connected.
- C. Base Unit could be damaged, a new Base Unit & Transmitter will need to be ordered.
- 4. <u>**Transmitter does not have power:**</u> (example: "blue" LED will not light up when "<u>ADD</u>" button is depressed on Transmitter).

Possible Solutions:

- A. Verify tool diameter (example: paperclip) to depress Transmitter "<u>ADD</u>" button is small enough to enter the "<u>ADD</u>" button hole.
- B. Verify the lithium button cell battery polarity is correct ("+" will be facing up).
- C. If the Transmitter is 1-2 years old, check the lithium battery voltage with a meter or replace the battery as needed (CR2032 lithium button cell battery).
- D. Transmitter could be damaged, a new Transmitter will need to be ordered.

5. General troubleshooting:

- A. Try to Program/reprogram the Transmitter and Base Unit.
- B. Verify the Ground wires (all wires) are secure.
- C. Check connections to the components that the unit is trying to operate using a voltmeter.

WARNING

1. Disconnecting 12V Battery Cables/Terminals:

A. DO NOT DISCONNECT THE BATTERY (CABLES/TERMINALS) WHEN THE ENGINE IS RUNNING. This could disable or permanently damage the Base Unit.

For further technical assistance please contact Swenson Spreader, LLC at (888) 825-7323 or visit us at www.swensonspreader.com to download updated Wireless Controller Instructions.

SPREADER OPERATION - LOADING

This manual covers vehicles which have been recommended for carrying the hopper spreader. Please see your local dealer for proper vehicle applications.

WARNING!

OVERLOADING COULD RESULT IN AN ACCI-DENT OR DAMAGE. DO NOT EXCEED GVWR OR GAWR AS FOUND ON THE DRIVER-SIDE CORNERPOST OF VEHICLE.



READ AND ADHERE TO MANUFACTURER'S ICE CONTROL PACKAGE LABELING INCLUDING MATERIAL SAFETY DATA SHEET REQUIRE-MENTS.

DETERMINING VEHICLE PAYLOAD

- 1. Install spreader and optional equipment according to the instructions.
- Install or attach any other equipment that will be on the vehicle while the spreader will be in use (step bumper, trailer hitch, snowplows, etc.).
 Fill gas tanks.

- 3. Obtain the Gross Vehicle Weight Rating (GVWR), Front Gross Axle Weight Rating (FGAWR), and Rear Gross Axle Weight Rating (RGAWR) from the certification label located inside the driver-side door jam.
- 4. With the occupants in the truck for normal spreader operation, weigh the vehicle to obtain gross vehicle weight (GVW).
- 5. Subtract the GVW from the GVWR to determine the available material payload.
- Obtain the weight per cubic yard (lb./cu. yd.) of the desired material. Divide the weight into the payload to determine the maximum volume of material that can be carried.
- 7. Compare the maximum volume to determine the maximum height of the material in the hopper spreader.
- 8. Fill hopper with the material to the calculated height. Reweigh vehicle with occupants and verify the GVW, Front Gross Axle Weight, and Rear Gross Axle Weight are less than the vehicle's ratings.
- 9. Repeat steps 7 and 8 for each type of material.

Material	Density (lb. per cubic yd.)
Salt (78lbs cu.ft.) - Dry	2,106
Coarse Sand - Dry	2,700
Course Sand - Wet	3,375

Material Weights (Reference Only)

SPREADER OPERATION - SPREAD PATTERN

GAS ENGINE DRIVE

A. Start engine and allow engine to warm-up to operating tempeture and engage the clutch. The amount of material spread, depends on engine speed and gate opening. Decreasing RPM and/or gate height will decrease amount spread. The inverse also holds true. Notice that the electric clutch can be engaged or disengaged at any time and at any engine RPM. However, since engagement time and torque is almost instantaneous, to prevent premature spinner chain failure and chain tension loss, it is recommended that the electric clutch be engaged at the lowest possible RPM without stalling the engine.

NOTE: If the truck is to be driven for an extended period of time while the spreader is not operating, it is RECOMMENDED the gas be turned off at the fuel tank shut-off valve to prevent the carburetor from over filling with fuel.

WARNING!

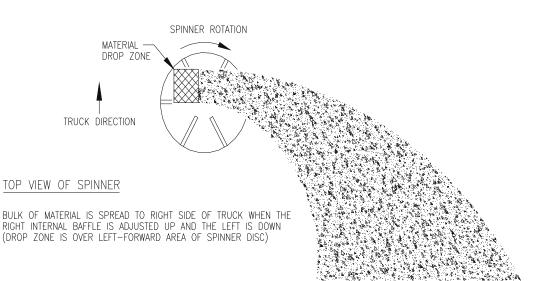
ALWAYS STAND AT A SAFE DISTANCE AWAY FROM THE SPINNER WHILE OPERATING. ALWAYS WEAR EYE PROTECTION WHEN OUTSIDE OF THE TRUCK CAB WHILE SPREADER IS RUNNING.

- B. Spread pattern / width depends on baffle settings (Gas Engine / Hydraulic Drive 4ft-30ft.)
 - 1. Internal baffle adjustments will move the spread pattern to the right or left.
 - 2. External baffle adjustments will block spreading to the rear, right or left side.



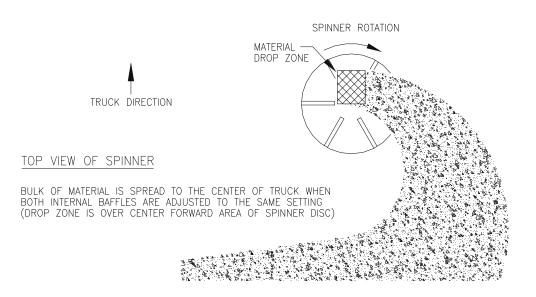
DO NOT LEAVE UNUSED MATERIAL IN HOPPER.

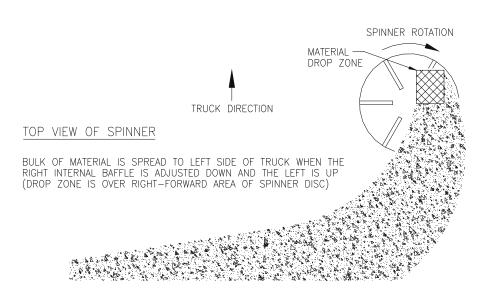
C. Material could freeze causing the unit to not function correctly. Hopper should be emptied and cleaned after each use.



SPREADER OPERATION - SPREAD PATTERN

(Continued)





SPREADER OPERATON - MAINTENANCE

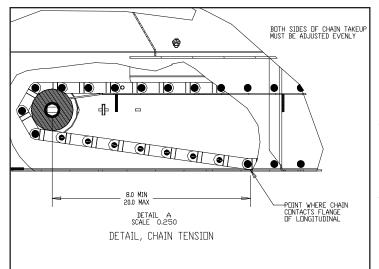
WARNING!

DO NOT ATTEMPT TO LIFT SPREADER BY THE CENTER LIFT OR CORNER LIFT HOOKS WITH MATERIAL IN THE SPREADER.



BEFORE BEGINNING ANY MAINTENANCE ON SPREADER, DISCONNECT SPREADER BATTERY LEADS.

- 1. Grease idler bearings on idler shaft take-up assembly, outboard bearing on gearbox output shaft, and spinner bearings every ten hours of operation.
- Grease input shaft bearing on gearbox every fifty hours of operation. CAUTION! Over greasing may cause seal damage. The gearbox must be filled to oil level plug with SAE 90 gear type lubricant. Keep breather plug clean.
- 3. Drag chain slack on V-boxes should be checked periodically and taken up if distance between center line of front sprocket and point where chain contacts lower flange on longitudinal is less than eight (8) inches. **CAUTION!** Over tightening conveyor chain can cause serious drive train problems. Above distance must not exceed twenty (20) inches.



- 4. If the spreader is equipped with a gasoline engine, it should be maintained per engine manufacturer's instruction. (Instructions and parts book is enclosed.
- 5. V-belt/Chain tension must be maintained. The V-belt/Chain can be adjusted by loosening motor hold-down bolts and sliding motor as required.

To adjust chain tension on spinner shaft, loosen the 8 bearing bolts on the rear vertical plates and slide spinner shafts as required. Make sure the spinner shaft is straight up and down before re tightening.

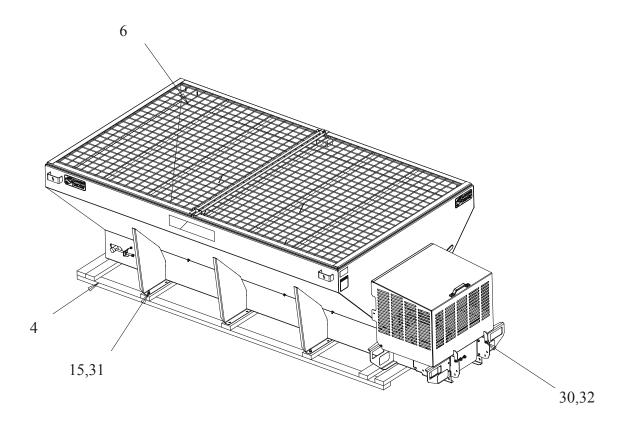
CAUTION! Overtightening may damage gearbox.

- 6. Oil drive chains before each use.
- 7. Spreader should be emptyed and cleaned after each use. Material could freeze causing the unit to not function correctly.
- 8. If chain becomes stuck or "frozen" to the floor to the point where the drive system cannot pull the load, never attempt to free chain using a pipe wrench or any other tool on the output shaft. The gearbox is designed to accept torque from input shaft only. Trying to turn output shaft will strip the gears, thus voiding the warranty.
- 9. To minimize problems and extend the life of the drive system, the following is highly recommended.
 - a. Before loading spreader, make sure the drag chain is free (not stuck or "frozen" to the floor). If the drag chain is stuck, this can cause the drive system to burn up.

OFF-SEASON STORAGE:

- 1. Grease all bearings, oil drag chain and roller chains.
- 2. Raise spinner and remove spreader from truck.

MDV PARTS LISTING

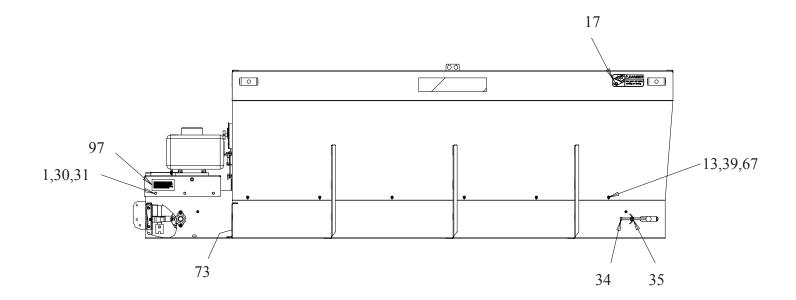


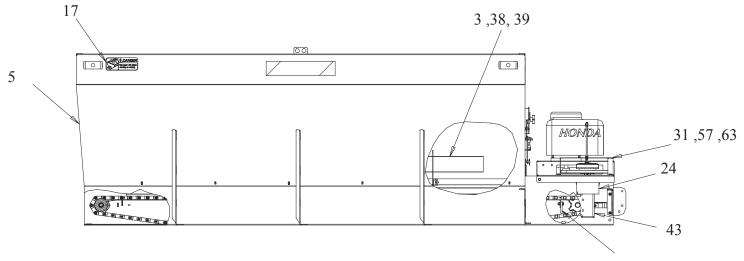
ITEM	PART NUMBER	PRODUCT DESCRIPTION	QTY
6	SEE CHART BELOW		
4	04553-032-08	SKID, SHIPPING 8 FOOT	1
	04553-032-09	SKID, SHIPPING 9 FOOT	
	04553-032-10	SKID, SHIPPING 10 FOOT	
15	04003-033-14	BOLT, 3/8-16 X 4" CA SS	4
30	04003-003-03	BOLT, 3/8-16 X 1" HH Zp	8
*	04003-003-20	BOLT, 3/8-16 X 1" HH SS	
31	04003-806-12	NUT, 3/8" SER. FLANGE Zp	25
*	04003-806-12	NUT, 3/8" SER.FLANGE SS	
32	04003-804-02	LOCK NUT, 3/8-16 NL Zp	4
*	04003-804-18	LOCK NUT, 3/8-16 NL SS SP	

* STAINLESS STEEL SPREADER ONLY

SCREEN SIZE TABLE

HOPPER LENGTH	SCREEN PART NUMBER - DESCRIPTION	QTY
8 FOOT	00122-554-00 - 4 FOOT SCREEN	2
9 FOOT	00122-555-00 - 5 FOOT SCREEN	1
	00122-554-00 - 4 FOOT SCREEN	1
10 FOOT	00122-555-00 - 5 FOOT SCREEN	2

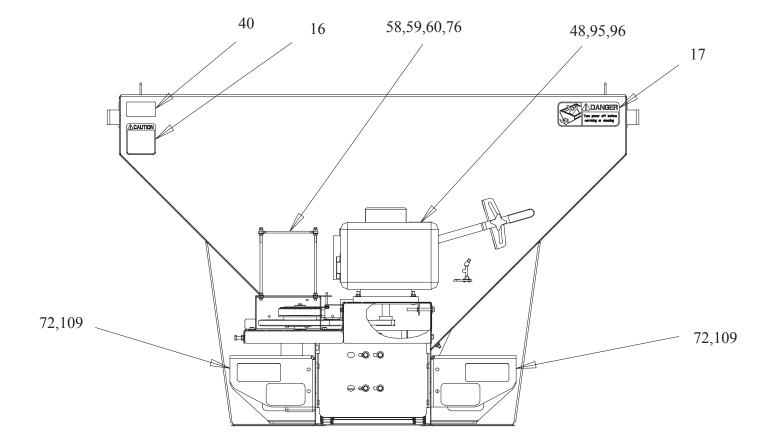




21, 28, 31, 42

ITEM	PART NUMBER	PRODUCT DESCRIPTION	QTY
1	00122-361-04	WELD, ENGINE PLATE, Est 12g CS	1
*	00122-361-06	WELD, ENGINE PLATE, Est 12g SS	
3	00115-114-01	WELD, INVERTED "V" 8 ft. CS	1
	00115-113-01	WELD, INVERTED "V" 9 ft. CS	
	00115-112-01	WELD, INVERTED "V" 10 ft. CS	
*	00115-114-03	WELD, INVERTED "V" 8 ft. S2	
*	00115-113-03	WELD, INVERTED "V" 9 ft. S2	
*	00115-112-03	WELD, INVERTED "V" 10 ft. S2	
5	00122-540-01	WELD, HOPPER MDV 8 ft. CS	1
	00122-540-04	WELD, HOPPER MDV 9 ft. CS	
	00122-540-07	WELD, HOPPER MDV 10 ft. CS	
*	00122-540-03	WELD, HOPPER MDV 8 ft. S2	
*	00122-540-06	WELD, HOPPER MDV 9 ft. S2	
*	00122-540-09	WELD, HOPPER MDV 10 ft. S2	
13	00122-371-04	FORM, CONVEYOR FLOOR, 8 ft. 12g CS	1
	00122-546-01	FORM, CONVEYOR FLOOR, 9 ft. 12g CS	
	00122-547-01	FORM, CONVEYOR FLOOR, 10 ft. 12g CS	
*	00122-371-06	FORM, CONVEYOR FLOOR, 8 ft. 12g S2	
*	00122-546-03	FORM, CONVEYOR FLOOR, 9 ft. 12 g S2	
*	00122-547-03	FORM, CONVEYOR FLOOR, 10 ft. 12g S2	
17	04049-182-02	DECAL, DANGER, CONVEYOR	3
21	04003-003-04	BOLT, 3/8-16 X 1-1/4 Hh G5 Zp	13
*	04003-003-26	BOLT, 3/8-16 X 1-1/4" Hh SS	10
24	00122-354-01	GUARD, CHAIN POLY	1
28	04004-002-08	FLAT WASHER 3/8" U.S.S. Zp	9
*	04004-002-20	FLAT WASHER 3/8" U.S.S. SS	
30	04003-003-03	BOLT, 3/8-16 X 1" Hh CS	8
*	04003-003-20	BOLT, 3/8-16 X 1" Hh SS	Ŭ
31	04003-806-02	NUT, 3/8-16 SER. FLANGE Zp	25
*	04003-806-12	NUT, 3/8-16 FLANGE SS	
34	00115-124-00	WELD, TAKE-UP BOLT	2
35	04003-802-09	NUT, 1/2-13 Hj SS	4
38	04003-032-04	BOLT, 5/16-18 X 1 " CA SS	4
39	04003-806-13	NUT, 5/16-18 SER. FLANGE	1
42	04076-100-00	WIPER, CHAIN	1
43	00118-337-00	SUB-ASSEMBLY, GEARBOX	1
57	00122-359-04	FORM, BATTERY PLATE 12g CS	1
*	00122-359-06	FORM, BATTERY PLATE 12g S2	
63	04003-003-01	BOLT, 3/8-16 X 3/4" Hh G5 Zp	4
*	04003-003-24	BOLT, 3/8-16 X 3/4" Hh SS	·
67	04003-032-06	BOLT, 5/16-18 x 3/4" THI 55	10
73	04049-409-00	DECAL, CAUTION 4" MIN.	2
97		,	
9/	04049-357-00	DECAL, ENGINE, WARRANTY	1

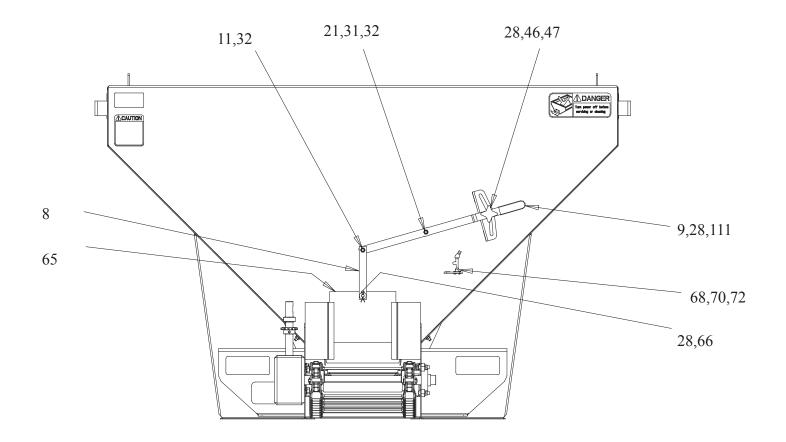
* STAINLESS STEEL SPREADER ONLY



ITEM	PART NUMBER	PRODUCT DESCRIPTION	QTY
16	04049-045-00	DECAL, CAUTION	1
17	04049-182-00	DECAL, DANGER, CONVEYOR	3
40	04049-165-00	DECAL, SERIAL	1
48	04145-075-00	ENGINE, 10.5 HP B&S	1
**	00115-778-00	ENGINE, 11 Hp HONDA W/ DECALS	
58	00104-802-00	ROD, BATTERY	2
59	04604-017-00	HOLD DOWN, BATTERY	1
60	04003-804-01	LOCK NUT, 5/16-18 NI Zp	2
*	04003-804-20	LOCK NUT 5/16-18 NL SS	
72	04049-408-00	DECAL, CAUTION, UNLOADED	2
76	04003-806-01	NUT, 5/16-18 SER. FLANGE, Zp	11
*	04003-806-13	NUT, 5/16-18 SER. FLANGE SS	
95	04049-362-00	DECAL, FUEL SHUTOFF	1
96	04049-199-00	DECAL, GASOLINE ONLY	1
109	00122-180-01	BRACKET, FORK, REAR, RH	2

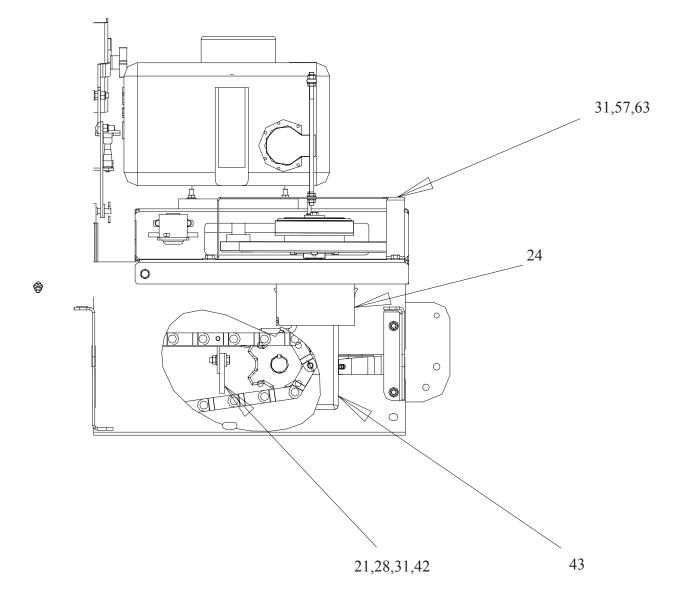
* STAINLESS STEEL SPREADER ONLY

** HONDA MODELS ONLY



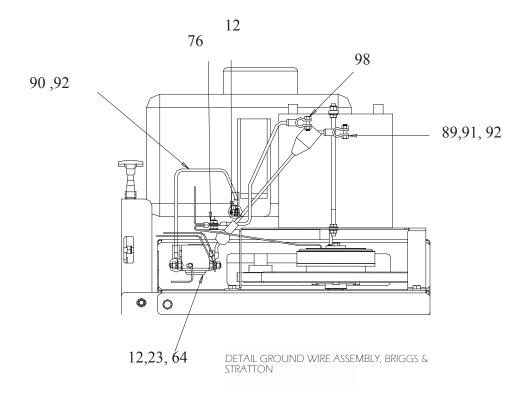
ITEM	PART NUMBER	PRODUCT DESCRIPTION	QTY
8	00101-636-00	BAR, PIVOT 7g Cs	1
*	00101-636-02	BAR, PIVOT 7g S2	
9	00118-312-00	FORM, FEED GATE HANDLE, 7g Cs	1
*	00118-312-02	FROM, FEED GATE HANDLE, 7g S2	
11	04003-033-04	BOLT, 3/8-16 X 1-1/4" Ca G5 Zp	1
*	04003-033-05	BOLT, 3/8-16 X 1-1/4" Ca SS	
21	04003-003-04	BOLT, 3/8-16 X 1-1/4" Hh G5 Zp	13
*	04003-003-26	BOLT, 3/8-16 X 1-1/4" Hh SS	
28	04004-002-08	FLAT WASHER, 3/8" U.S.S. Zp	9
*	04004-002-20	FLAT WASHER 3/8" U.S.S. SS	
31	04003-806-02	NUT, 3/8-16 SER FLANGE Zp	25
*	04003-806-12	NUT, 3/8-16 SER FLANGE SS	
32	04003-804-02	LOCK NUT, 3/8-16 NL Zp	4
*	04003-804-18	LOCK NUT, 3/8-16 NI Zp	
46	04003-033-13	BOLT, 3/8-16 X 3/4" CA SS SHTNK	1
47	04624-001-01	KNOB, HAND	1
65	00110-819-00	WELD, FEED GATE 7g Cs	1
*	00110-819-02	WELD, FEED GATE 7g SS	
66	04010-016-01	PIN, 1/8" X 1" COTTER SS	1
68	04019-020-01	HANDLE, RUBBER "T"	1
70	04002-031-00	RIVET, 1/8" X 3/8" BLIND	4
72	04049-408-00	DECAL, CAUTION UNLOADED	2
111	04111-052-00	COVER, FEED GATE HANDLE,	1

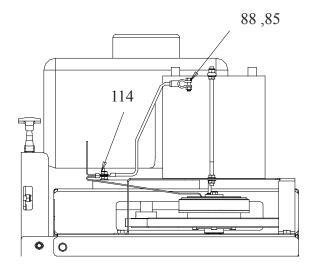
* STAINLESS STEEL SPREADER ONLY



ITEM	PART NUMBER	PRODUCT DESCRIPTION	QTY
21	04003-003-04	BOLT, 3/8-16 x 1 1/4" Hh	13
*	04003-003-26	BOLT, 3/8-16 X 1 1/4" Hh SS	
24	00122-354-01	GUARD, CHAIN, POLY	1
28	04004-002-08	FLAT WASHER 3/8" U.S.S. Zp	9
*	04004-002-20	FLAT WASHER 3/8' U.S.S. SS	
31	04003-806-02	NUT, 3/8-16 FLANGE CS	25
*	04003-806-12	NUT, 3/8-16 FLANGE SS	
42	040776-100-00	WIPER, CHAIN	1
43	00118-337-00	SUB-ASSEMBLY, GEARBOX	1
57	00122-359-04	FORM, BATTERY PLATE, 12g Cs	1
*	00122-359-06	FORM, BATTERY PLATE, 12g S2	
63	04003-003-01	BOLT, 3/8-16 X 3/4" Hh G5 Zp	4
*	04003-003-24	BOLT, 3/8 - 16 X 3/4" HH SS	

* STAINLESS STEEL SPREADER ONLY





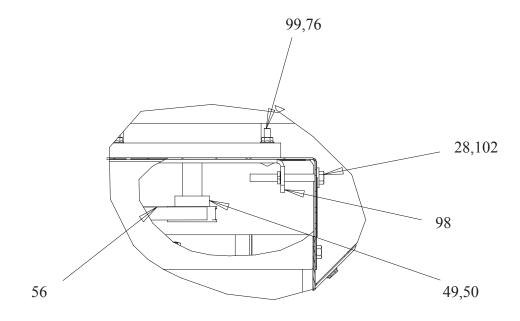
DETAIL GROUND WIRE ASSEMBLY, hONDA

ITEM	PART NUMBER	PRODUCT DESCRIPTION	QTY
12	04003-806-05	NUT, 1/4-20 SER FLANGE CS	3
*	04003-806-15	NUT, 1/4-20 SER FLANGE SS	
23	04046-020-01	CHAIN ROLLER #40-55 PITCHES	1
64 +	04146-005-00	SOLENOID, GROUNDED	1
76 / 114	04003-806-01	NUT, 5/16-18 SER FLANGE Zp	11 / 9
*	04003-806-13	NUT, 5/16-18 SER FLANGE SS	
85 **	04049-413-00	DECAL, BATTERY WARNING	1
88	04604-004-00	CABLE, BATTERY, BLACK	1
89	04604-004-01	CABLE, BATTERY, RED	1
90	04616-067-06	CABLE, STARTER, RED	1
91	04067-032-00	BOOT, BATTERY CABLE,	1
92	04607-033-00	BOOT, ALT. CABLE	3
98	00122-360-01	WELD, ADAPTER, Cs	1
*	00122-360-03	WELD, ADAPTER, S2	

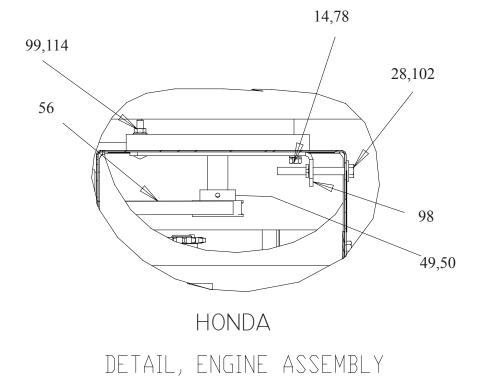
* STAINLESS STEEL SPREADER ONLY

** HONDA MODELS ONLY

+ BRIGGS AND STRATTON MODELS ONLY



DETAIL, ENGINE ASSEMBLY

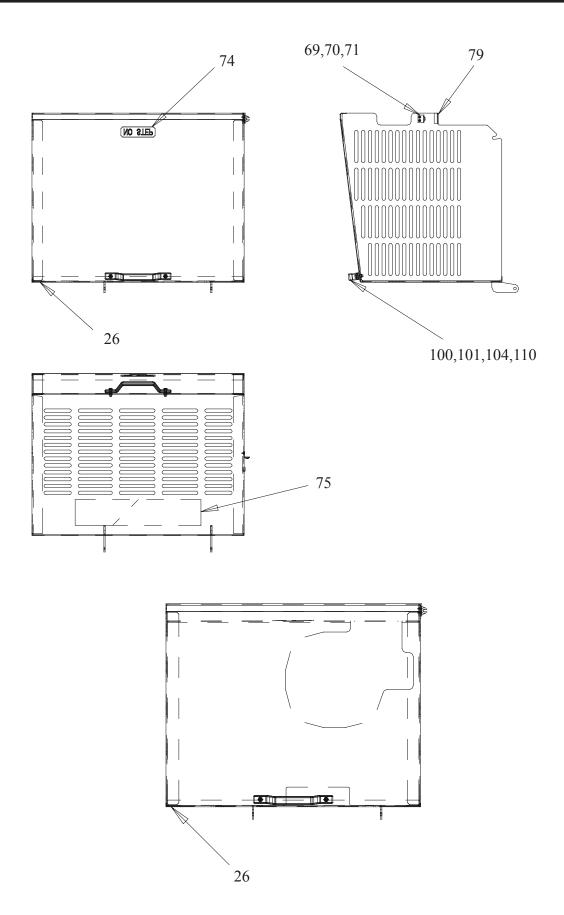


ITEM	PART NUMBER	PRODUCT DESCRIPTION	QTY
14 **	04004-001-06	LOCK WASHER, 5/16 MED SPLIT Zp	2
***	04004-001-20	LOCK WASHER 5/16 MED SPLIT SS	
28	04004-002-08	FLAT WASHER 3/8" U.S.S. Zp	9
*	04004-002-20	FLAT WASHER 3/8" U.S.S. SS	
49	04031-007-00	KEY, 1/4" SQ. X 1"	1
50	04070-021-00	PULLEY, DRIVER	1
56	04071-020-00	V-BELT, Bx - 46	1
76/114	04003-806-01	NUT, 5/16-18 SER FLANGE, Zp	11
*	04003-806-13	NUT, 5/16-18 SER FLANGE, SS	
78 **	04003-002-45	NUT 1/4-20 FLANGE SS	1
98	00122-360-01	WELD, ADAPTER, CS	1
*	00122-360-03	WELD, ADAPTER, S2	
99	04003-032-09	BOLT, 5/16-18 X 1-3/4" CA G5 Zp	4
*	04003-032-11	BOLT, 5/16-18 X 1-3/4' CA STD Nk	
102	04003-003-62	BOLT, 3/8-16 X 3 1/2" Hh G5 Zp	1
*	04003-003-63	BOLT, 3/8-16 X 3-1/2" Hh SS	
107	04003-001-41	BOLT, 1/4 - 20 X 2" Hh Ss TAP	1

* STAINLESS STEEL SPREADER ONLY

** HONDA MODELS ONLY

*** STAINLESS STEEL HONDA MODELS ONLY

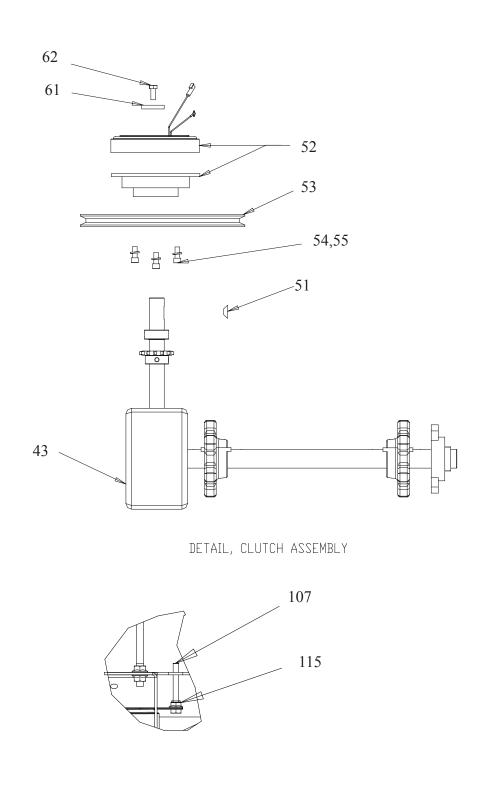


ITEM	PART NUMBER	PRODUCT DESCRIPTION	QTY
26	00122-648-01	WELD, MDV B&S SHROUD, CS	1
*	00122-648-03	WELD, MDV B&S SHROUD, S2	
**	00122-649-01	WELD, MDV HONDA SHROUD, CS	
***	00122-649-03	WELD, MDV HONDA SHROUD, S2	
69	04019-020-02	KEEPER, RUBBER, "T" HANDLE	1
70	04002-031-00	RIVET, 1/8 X 3/8" BLIND	4
71	04004-002-20	FLAT WASHER, #6 Zp	4
74	04049-358-00	DECAL, CAUTION, 4" MIN	2
75	04049-002-00	DECAL, SWENSON - BLACK	3
79	04093-021-00	TRIM, VINYL	1.25
100	04003-001-05	BOLT, 1/4-20 X 1" Hh G5 Zp	2
*	04003-001-16	BOLT, 1/4-20 X 1" Hh SS	
101	00122-374-00	HANDLE, GRAB, PLASTIC	1
104	04003-804-04	LOCK NUT, 1/4-20 NI Zp	2
*	04003-804-21	LOCK NUT 1/4-20 NI Zp	
110	04004-002-05	FLAT WASHER 1/4" S.A.E. Zp	2
*	04004-002-24	FLAT WASHER 1/4" S.A.E. SS	

* STAINLESS STEEL SPREADER ONLY

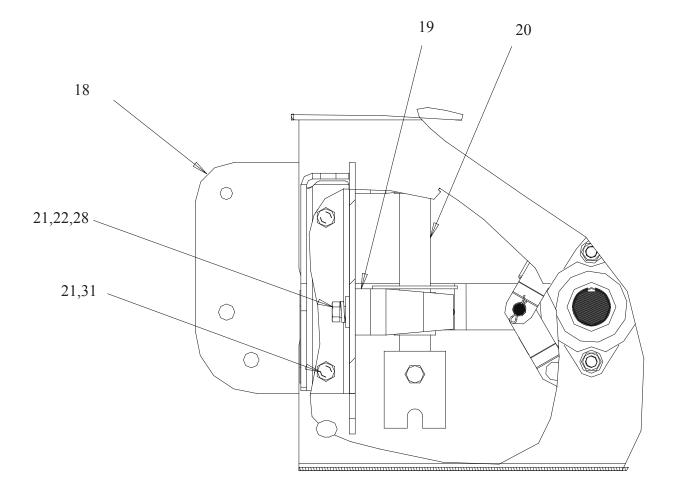
** HONDA MODELS ONLY

*** STAINLESS STEEL HONDA MODELS ONLY



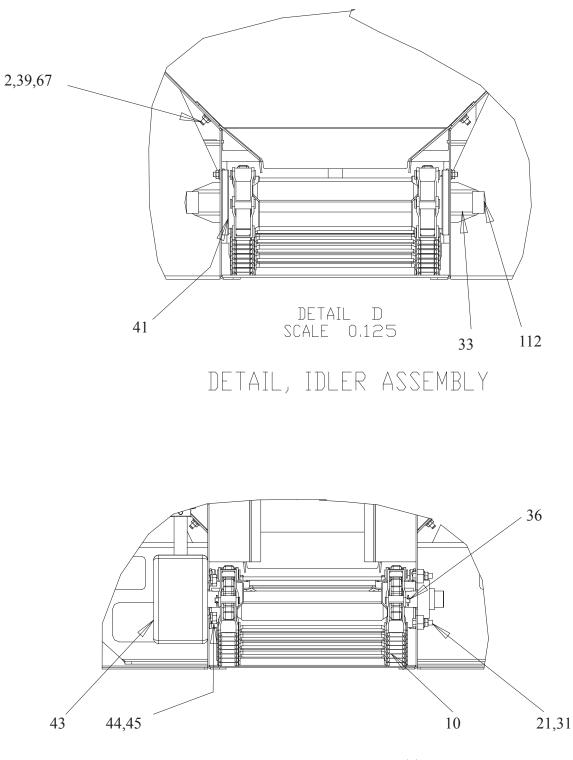
DETAIL, CLUTCH RETAINER

ITEM	PART NUMBER	PRODUCT DESCRIPTION	QTY
43	00118-337-00	SUB-ASSEMBLY, GEARBOX	1
51	04009-001-01	KEY, 1/4" SQ. 7/8" WOODRUFF	1
52	04138-017-00	CLUTCH, ELECTRIC	1
53	04070-020-00	PULLEY, DRIVEN,	1
54	04004-001-06	LOCK WASHER, 5/16" Zp	3
55	04003-081-04	SCREW, 5/16" X 5/8" Sh CAP	3
61	00108-771-00	WASHER, CLUTCH RETAINER	1
62	04003-002-02	BOLT, 5/16-18 X 3/4" Hh	1
107	04003-001-41	BOLT, 1/4-20 X 2" TAP SS	1
115	04003-806-15	NUT, 1/4-20 SER FLANGE SS	1



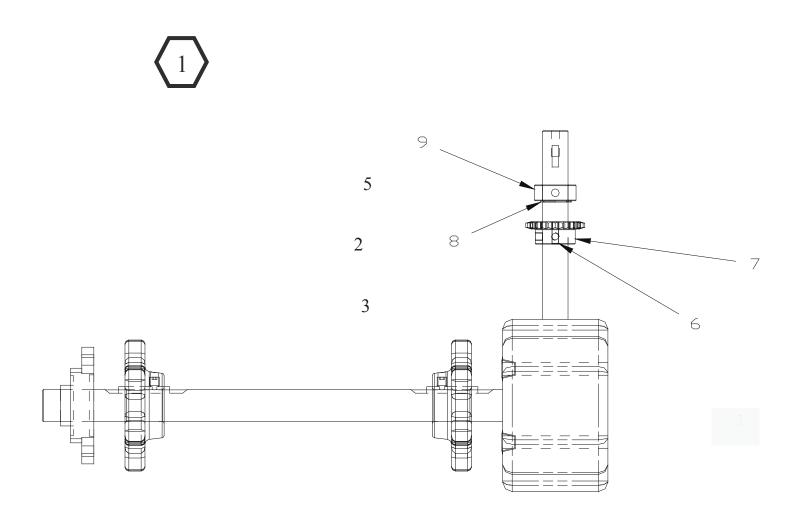
DETAIL, REAR PLATE ASSEMBLY

ITEM	PART NUMBER	PRODUCT DESCRIPTION	QTY
18	00122-364-01	FORM, REAR PLATE Cs	1
*	00122-364-03	FORM, REAR PLATE S2	
19	00117-314-03	BLOCK, SPACER	2
20	00122-365-00	SUB ASSEMBLY , SPINNER DRIVE SHAFT	1
21	04003-003-04	BOLT, 3/8-16 X 1-1/4" Hh G5 Zp	13
*	04003-003-26	BOLT, 3/8-16 X 1-1/4" Hh SS	
22	04004-001-07	LOCK WASHER, 3/8" MED SPLIT Zp	4
*	04004-001-14	LOCK WASHER, 3/8" MED SPLIT SS	
28	04004-002-08	FLAT WASHER, 3/8" U.S.S. Zp	9
*	04004-002-20	FLAT WASHER 3/8" U.S.S. SS	
31	04003-806-02	NUT, 3/8-16 SER FLANGE Zp	25
*	04003-806-12	NUT, 3/8-16 SER FLANGE SS	



DETAIL, GEARBOX ASSEMBLY

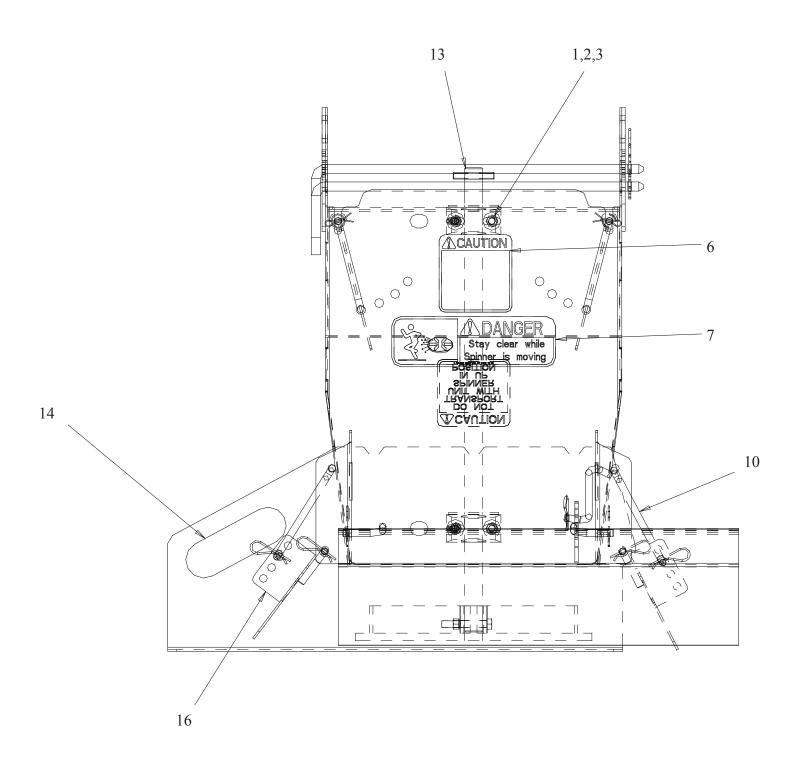
ITEM	PART NUMBER	PRODUCT DESCRIPTION	QTY
2	00122-583-01	FORM, CHAIN SHIELD, 8 ft. CS	2
	00122-584-01	FORM, CHAIN SHIELD, 9 ft. CS	
	00122-585-01	FORM, CHAIN SHIELD, 10 ft. CS	
*	00122-583-03	FORM, CHAIN SHIELD, 8 ft. S2	
*	00122-584-03	FORM, CHAIN SHIELD, 9 ft. S2	
*	00122-585-03	FORM, CHAIN SHIELD, 10 ft. S2	
10	04043-075-08	WELD, DRAG CHAIN, MDV 8 ft.	1
	04043-075-09	WELD, DRAG CHAIN, MDV 9 ft.	
	04043-075-10	WELD, DRAG CHAIN, MDV 10 ft.	
21	04003-003-04	BOLT, 3/8 - 16 1-1/4" Hh G5 Zp	4
*	04003-003-26	BOLT, 3/8 - 16 1-1/4" Hh SS	
31	04003-806-02	NUT, 3/8-16 SER FLANGE Zp	25
*	04003-806-12	NUT, 3/8-16 SER FLANGE SS	
33	00122-366-00	SHAFT, IDLER	1
36	04045-022-00	PIN, CONNECTOR W/COTTER	1
39	04003-806-13	NUT, 5/16-18 SER FLANGE SS	14
41	00122-369-00	ROLLER, POLY	2
43	00118-337-00	SUB-ASSEMBLY, GEARBOX	1
44	04004-001-09	LOCK WASHER, 1/2" MED SPLIT Zp	4
*	04004-001-16	LOCK WASHER, 1/2" MED SPLIT SS	
45	04003-005-14	BOLT, 1/2-13 X 3/4' TAP Hh G5 Zp	4
*	04003-005-56	BOLT, 1/2-13 X 3/4' TAP Hh SS	
67	04003-032-06	BOLT, 5/16-18 X 3/4" CA SS	10
112	04111-053-00	CAP, IDLER	2



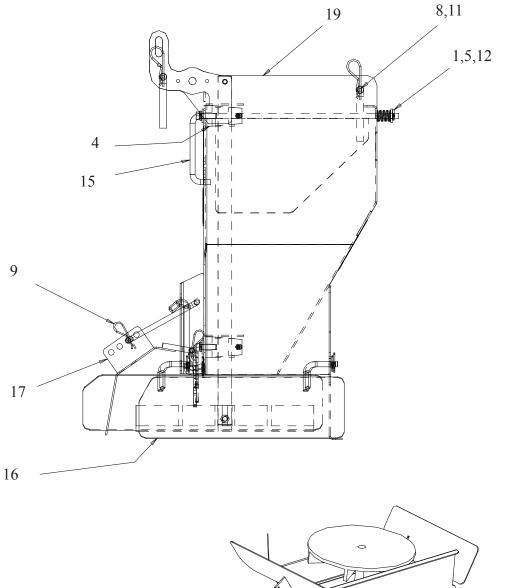
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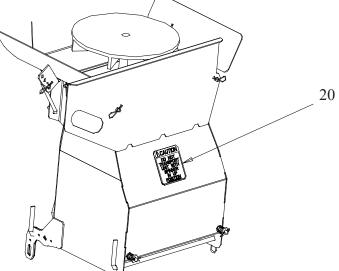
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	1	1	
ITEM	PART NUMBER	PRODUCT DESCRIPTION	QTY
$\left(1 \right)$	00118-337-00	SUB-ASSEMBLY, GEARBOX	1
ITEM	PART NUMBER	GEARBOX PART DESCRIPTION	
2	04007-009-03	SET SCREW, 3/8-16 X 3/8" AH	2
3	04031-010-00	KEY, STRAIGHT, 1/4" SQ.	2
4	04080-005-00	BEARING, 1-1/4"	1
5	04111-018-00	PLUG, 1/4' NPT (Co 4)	1
6	04009-001-01	KEY, 1/4" x 7/8" woodruff	1
7	04041-122-00	SPROCKET, 40B13-A BORE	1
8	04058-011-00	RING, SNAP	1
9	04001-001-01	COLLAR, SET 1"	1
10	00102-348-00	SPROCKET, MACHINED	2

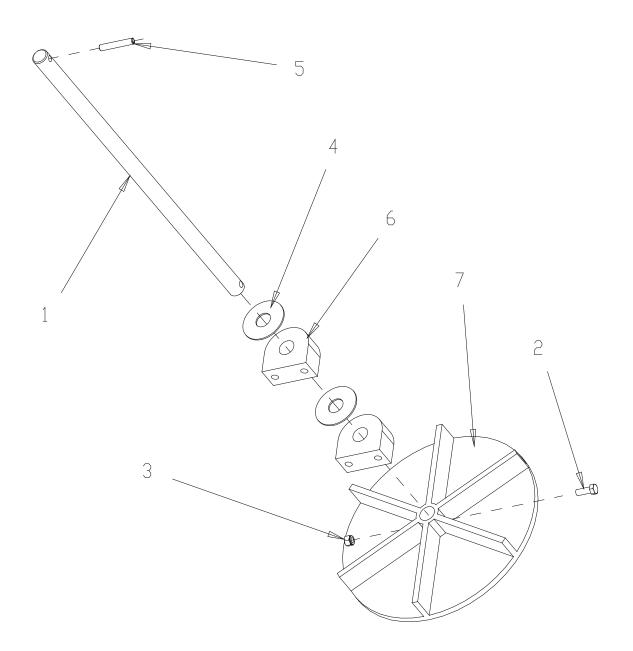


ITEM	PART NUMBER	PRODUCT DESCRIPTION	QTY
1	04002-002-20	FLAT WASHER, 3/8" SS	6
2	04004-001-14	LOCK WASHER, 3/8" SS	4
3	04003-003-26	BOLT, 3/8-16 X 1-1/4" SS	4
6	04049-044-00	DECAL, DANGER SPINNER	1
7	04049-045-00	DECAL, CAUTION	1
10	00115-150-00	BAR, LINK, S3	3
13	00121-114-00	SUB-ASSY, SWING-UP SHAFT	1
14	04093-021-00	TRIM, VINYL	1.25 ft.
16	00119-37-01	WELD, SPNR BAFFLE, LH-Ehpv CS	1
*	00119-337-03	WELD, SPNR BAFFLE, LH-Ehpv S2	

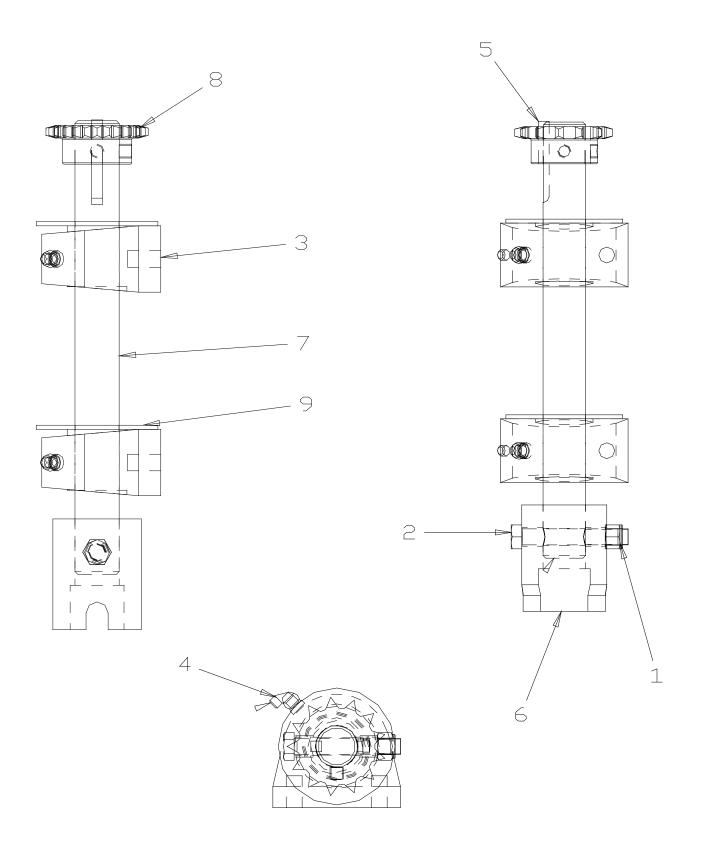




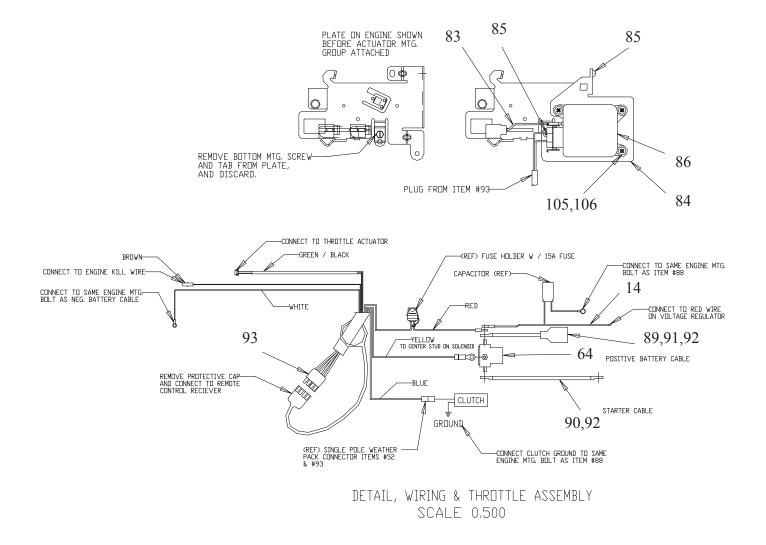
ITEM	PART NUMBER	PRODUCT DESCRIPTION	QTY
1	04002-002-20	FLAT WASHER, 3/8" SS	6
4	00117-314-03	SPACER, UHMW	2
5	04010-016-01	PIN, 1/8" X 1" COTTER SS	2
8	04011-001-04	KEEPER, HAIRPIN LG SS	2
9	04011-001-05	KEEPER, HAIRPIN SM SS	9
11	00119-329-02	ROD, SPINNER MOUNT	2
12	04091-028-00	SPRING, COMPRESSION	2
15	00119-323-01	WELD, INTERNAL BAFFLE Ehpv CS	2
*	00119-323-03	WELD, INTERNAL BAFFLE Ehpv S2	
16	00119-337-01	WELD, SPNR BAFFLE, LH Ehpv CS	1
*	00119-337-03	WELD, SPNR BAFFLE, LH Ehpv S2	
17	00119-341-01	WELD, SPNR BAFFLE REAR Ehpv CS	1
*	00119-341-03	WELD, SPNR BAFFLE REAR Ehpv S2	
19	0122-545-01	WELD, SPINNER FRAME CS	1
*	0122-545-03	WELD, SPINNER FRAME S2	
20	04049-416-00	DECAL, SWING UP SPINNER	1



ITEM	PART NUMBER	PRODUCT DESCRIPTION	QTY
1	00121-115-00	SHAFT, SPINNER DRIVE	1
2	04003-003-21	BOLT, 3/8-16 X 2-1/2" Hh SS	1
3	04003-807-18	LOCK NUT 3/8-16 TOP LOCK SS	1
4	04004-008-01	FLAT WASHER, RUBBER	2
5	04016-008-02	PIN, 3/8" X 2-1/4" ROLL	1
6	04080-079-00	BEARING, 1" TAPPED BASE	2
7	04622-033-00	DISC, POLY SPINNER 13"	1



ITEM	PART NUMBER	PRODUCT DESCRIPTION	QTY
1	04003-804-18	LOCK NUT 3/8-16 NI SS	1
2	04003-003-08	BOLT, 3/8-16 2-1/2" Hh Zp	1
3	04080-079-00	BEARING, 1" TAPPED BASE	2
4	04015-007-00	FITTING, ZERK, 90 deg.	2
5	04031-007-00	KEY, STRAIGHT, 1/4" SQ.	1
6	04622-063-00	SHAFT, COUPLING POLY	1
7	00121-654-00	SHAFT, SPINNER, DRIVE	1
8	04041-122-00	SPROCKET, 40B13-A" BORE	1
9	04008-008-01	FLAT WASHER, RUBBER	2

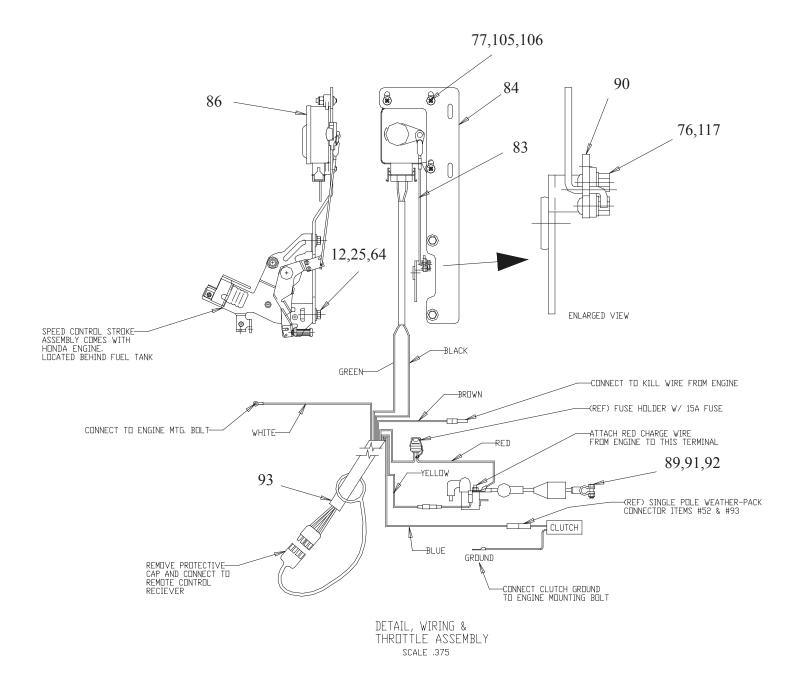


ITEM	PART NUMBER	PRODUCT DESCRIPTION	QTY
14 +	04616-119-00	HARNESS, B&S W/ CAPACITOR	1
64 +	04616-005-00	SOLENOID, GROUNDED	1
83 +	00117-256-00	LINKAGE, THROTTLE, B&S	1
84 +	00117-257-00	BRACKET, ACTUATOR, B&S	1
85 +	04003-127-01	SCREW, 10-32 X 5/16" PPH	2
86	04150-044-01	ACTUATOR, 12 V	1
89	04604-004-01	CABLE, BATTERY RED	1
90	04616-067-06	CABLE, STARTER RED	1
91	04067-032-00	BOOT, BATTERY RED	1
92	04067-033-00	BOOT, ALT CABLE	3
93	04616-120-00	CABLE, SPREADER CONTROL	1
105	04003-069-01	SCREW, 8-32 X 3/4" PR SS	3
106	04003-036-00	LOCK NUT, 8-32 NYLON SS	3

+ BRIGGS AND STRATTON ONLY

THROTTLE ACTUATOR ADJUSTMENT

- 1. LODSEN THREE MOUNTING SCREWS AND NUTS ON THROTTLE ACTUATOR.
- 2. USING SPREADER CONTROL, MOVE THROTTLE ACTUATOR TO FULL CHOKE POSITION (RABBIT).
- 3. SLIDE ACTUATOR IN CORRECT DIRECTION (RIGHT) UNITIL ENGINE LINKAGE HAS MOVED
- TO FULL CHOKE, DO NOT PUT EXCESSIVE FORCE ON LINKAGE ROD.
- 4. TIGHTEN THREE MOUNTING SCREWS AND NUTS.
- 5. TEST RUN ENGINE FOR FULL CHOKE ENGAGEMENT,



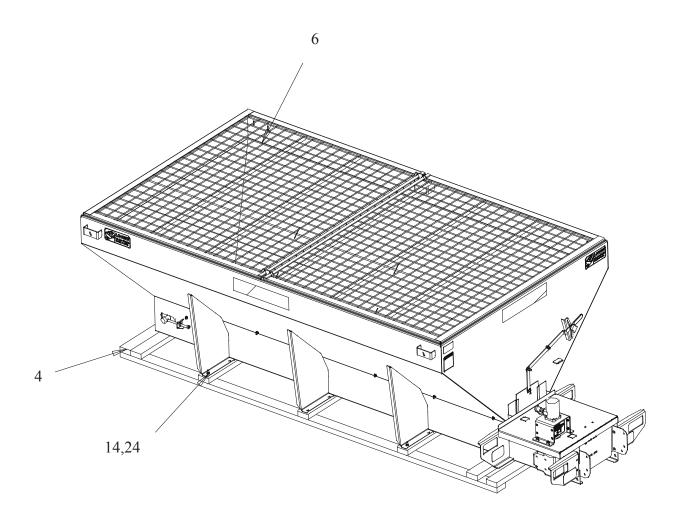
ITEM	PART NUMBER	PRODUCT DESCRIPTION	QTY
12 **	04003-186-02	BOLT, M5 X 12 Hh SS	2
25 **	04004-001-23	LOCK WASHER, #10 MED. SPLIT, SS	2
64 **	04004-002-53	FLAT WASHER, #10, SS	2
76 **	04003-128-01	SCREW, 2-56 X 3/8 SR SS	2
77 **	04004-002-59	FLAT WASHER #8 SS	3
83 **	00117-410-00	LINKAGE, BOSCH ACTUATOR/HONDA	1
84 **	00117-411-00	BRACKET, ACTUATOR, Mtg. BOS/HONDA	1
86	04150-044-01	ACTUATOR, 12v	1
90 **	** 00117-610-00 LEVER, EXTENSION, HONDA THROTTLE		1
91	04067-032-00	4067-032-00 BOOT, BATTERY, CABLE, STRAIGHT	
92	04607-033-00	BOOT, ALTERNATOR, CABLE	1
93	04616-120-00	CABLE, SPREADER CONTROL	1
117 **	04003-816-01	LOCK NUT, 2-56 NI	2

* STAINLESS STEEL SPREADER ONLY

** HONDA MODELS ONLY

THROTTLE ACTUATOR ADJUSTMENT HONDA

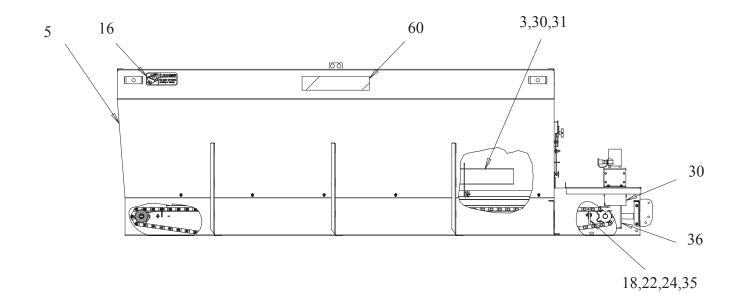
- 1. LOOSEN TWO LOWER MOUNTING BOLTS ON THROTTLE ACTUATOR BRACKET.
- 2. USING SPREADER CONTROL, MOVE THROTTLE ACTUATOR TO FULL CHOKE POSITION (RABBIT).
- 3. SLIDE ACTUATOR BRACKET IN CORRECT DIRECTION (UP FOR HONDA) UNTIL ENGINE HAS MOVED TO FULL CHOKE.
- 4. TIGHTEN TWO MOUNTING BOLTS.
- 5. TEST RUN ENGINE FOR FULL CHOKE ENGAGEMENT.

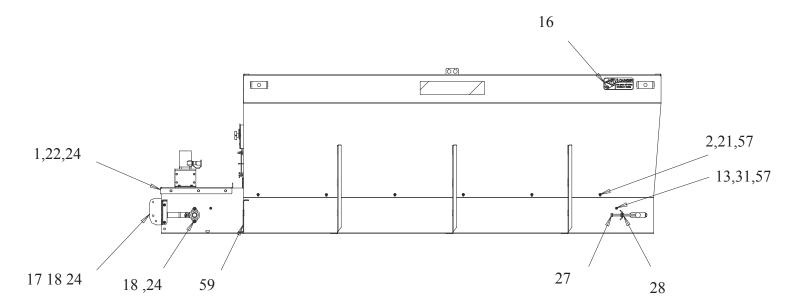


ITEM	PART NUMBER	PRODUCT DESCRIPTION	QTY
6	SEE CHART BELOW		
4	04553-032-08	SKID, SHIPPING 8 FOOT	1
	04553-032-09	SKID, SHIPPING 9 FOOT	
	04553-032-10	SKID,SHIPPING 10 FOOT	
14	04003-033-14	BOLT, 3/8-16" X 4" CA SS	4
24	04003-806-02	NUT, 3/8-16 SER. FLANGE Zp	23
*	04003-806-12	NUT, 3/8-16 SER. FLANGE SS	

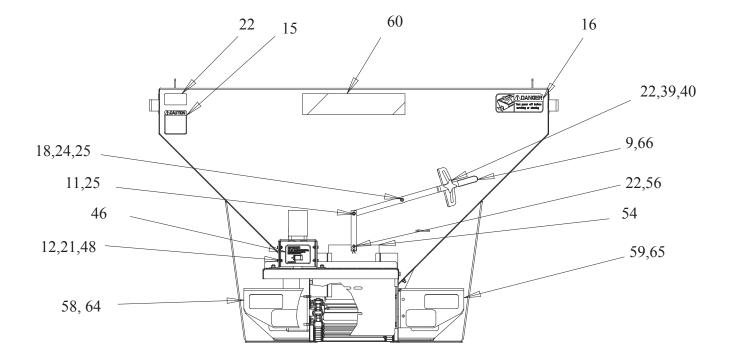
SCREEN SIZE TABLE

HOPPER LENGTH	SCREEN PART NUMBER/DESCRIPTION	QTY
8 FOOT	00122-554-00 / 4 FOOT SCREEN	2
9 FOOT	00122-555-00 / 5 FOOT SCREEN	1
	00122-554-00 / 4 FOOT SCREEN	1
10 FOOT	00122-555-00 / 5 FOOT SCREEN	2

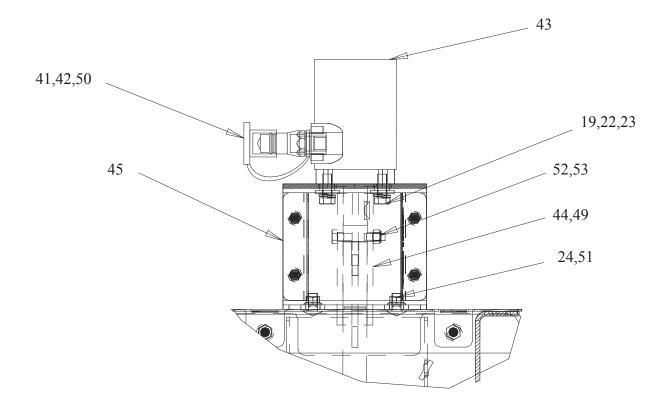




ITEM	PART NUMBER	PRODUCT DESCRIPTION	QTY
1	00122-445-04	WELD, MOTOR PLATE, HYD CS	1
*	00122-445-06	WELD, MOTOR PLATE, HYD, S2	
2	00122-583-01	FORM, CHAIN SHIELD, 8 ft CS	
	00122-584-01	FORM, CHAIN SHIELD, 9 ft. CS	
	00122-585-01	FORM, CHAIN SHIELD, 10 ft. CS	
*	00122-583-03	FORM, CHAIN SHIELD, 8 ft. S2	
*	00122-584-03	FORM, CHAIN SHIELD, 9 ft. S2	
*	00122-585-03	FORM, CHAIN SHIELD, 10 ft. S2	
3	00115-114-01	WELD, INVERTED "V" 8 ft. CS	1
	00115-113-01	WELD, INVERTED "V" 9 ft. CS	
	00115-112-01	WELD, INVERTED "V" 10 ft. CS	
*	00115-114-03	WELD, INVERTED "V" 8 ft. S2	
*	00115-113-03	WELD, INVERTED "V" 9 ft. S2	
*	00115-112-03	WELD, INVERTED "V" 10 ft. S2	
5	00122-540-01	WELD, HOPPER MDV 8 ft. CS	1
	00122-540-04	WELD, HOPPER MDV 9 ft. CS	
	00122-540-07	WELD, HOPPER MDV 10 ft. CS	
*	00122-540-03	WELD, HOPPER MDV 8 ft. S2	
*	00122-540-06	WELD, HOPPER MDV 9 ft. S2	
*	00122-540-09	WELD, HOPPER MDV 10 ft. S2	
13	00122-371-04	FORM, CONVEYOR FLOOR, 8 ft. 12g CS	1
	00122-546-01	FORM, CONVEYOR FLOOR, 9 ft. 12g CS	
	00122-547-01	FORM, CONVEYOR FLOOR, 10 ft. 12g CS	
*	00122-371-06	FORM, CONVEYOR FLOOR, 8 ft. 12g S2	
*	00122-546-03	FORM, CONVEYOR FLOOR, 9 ft. 12 g S2	
*	00122-547-03	FORM, CONVEYOR FLOOR, 10 ft. 12g S2	
16	04049-182-00	DECAL, DANGER, CONVEYOR	3
17	00122-364-01	FORM, REAR PLATE, CS	1
*	00122-364-03	FORM, REAR PLATE, S2	
18	04003-003-04	BOLT, 3/8-16 X 1-1/4 Hh G5 Zp	9
*	04003-003-26	BOLT, 3/8-16 X 1-1/4" Hh SS	-
21	04003-001-02	BOLT, 1/4-20 X 3/4" Hh G5 Zp	8
*	04003-001-11	BOLT, 1/4-20 X 3/4" Hh SS	-
22	04004-002-08	FLAT WASHER 3/8" U.S.S. Zp	8
*	04004-002-20	FLAT WASHER 3/8" U.S.S. SS	
24	04003-806-02	NUT, 3/8-16 SER. FLANGE Zp	23
*	04003-806-12	NUT, 3/8-16 SER. FLANGE SS	
27	00115-124-00	WELD, TAKE-UP BOLT	2
28	04003-802-09	NUT, 1/2-13 Hj SS	4
30	04003-032-04	BOLT, 5/16-18 X 1 " CA SS	4
31	04003-806-13	NUT, 5/16-18 FLANGE SS	14
35	04076-100-00	WIPER, CHAIN	1
36	00118-337-00	SUB-ASSEMBLY, GEARBOX	1
57	04003-032-06	BOLT, 5/16-18 x 3/4" CA SS	10
59	04003-032-00	DECAL, CAUTION 4" MIN.	2
60	04049-002-00	DECAL, SWENSON, BLACK	1
00	04049-002-00	DECAL, SWEINSOIN, BLACK	1

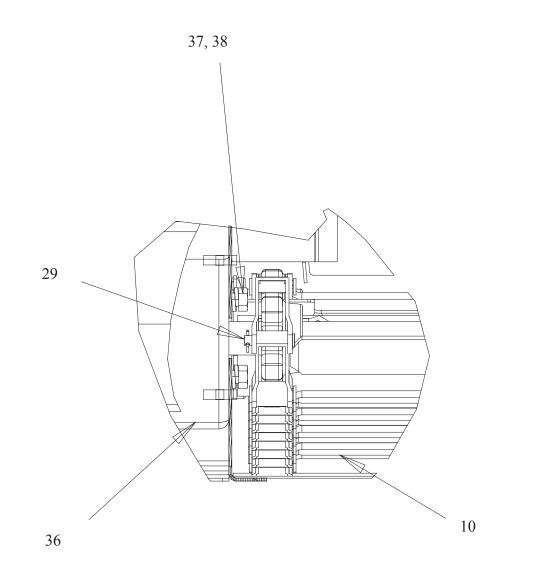


ITEM	PART NUMBER	PRODUCT DESCRIPTION	QTY
9	00118-312-00	FORM, HANDLE, FEED GATE, 7 g CS	1
*	00118-312-02	FORM, HANDLE, FEED GATE, 7 g S2	
11	04003-033-04	BOLT, 3/8-16 X 1-1/4" CA G5 Zp	1
*	04003-033-05	BOLT, 3/8-16 X 1-1/4" CA G5 SS	
12	04003-806-05	NUT, 1/4-20 SER. FLANGE Zp	8
*	04003-806-15	NUT, 1/4-20 SER. FLANGE SS	
15	04049-045-00	DECAL, CAUTION	1
16	04049-182-00	DECAL, DANGER, CONVEYOR	3
18	04003-003-04	BOLT, 3/8-16 X 1-1/4" Hh G5 Zp	9
*	04003-003-26	BOLT, 3/8-16 X 1-1/4" Hh SS	
21	04003-001-02	BOLT, 1/4-20 X 3/4" Hh G5 Zp	8
*	04003-001-11	BOLT, 1/4-20 X 3/4 Hh SS	
22	04004-002-08	FLAT WASHER, 3/8" U.S.S. Zp	8
*	04004-002-20	FLAT WASHER, 3/8" U.S.S. SS	
24	04003-806-02	NUT, 3/8-16 SER. FLANGE Zp	23
*	04003-806-12	NUT, 3/8-16 SER FLANGE SS	
25	04003-804-02	LOCK NUT, 3/8-16 NI Zp	2
*	04003-804-18	LOCK NUT, 3/8-16 NI SS	
39	04003-033-13	BOLT, 3/8-16 X 3/4" CA SHTNK	1
40	04624-001-01	KNOB, HAND	1
46	04049-195-00	DECAL, MOTOR	1
54	00110-819-00	WELD, FEED GATE, 7g CS	1
*	00118-819-02	WELD, FEED GATE, 7g S2	
56	04010-016-01	PIN, 1/8" X 1" COTTER SS	1
58	04049-408-00	DECAL, CAUTION, UNLOADED	2
60	04049-002-00	DECAL, SWENSON-BLACK	3
64	00122-177-01	PLATE, BRKT FORK, REAR, LH, 7g CS	2
65	00122-180-01	PLATE, BRKT FORK, REAR, RH 7g CS	2
66	04111-052-00	COVER, FEED GATE HANDLE	1



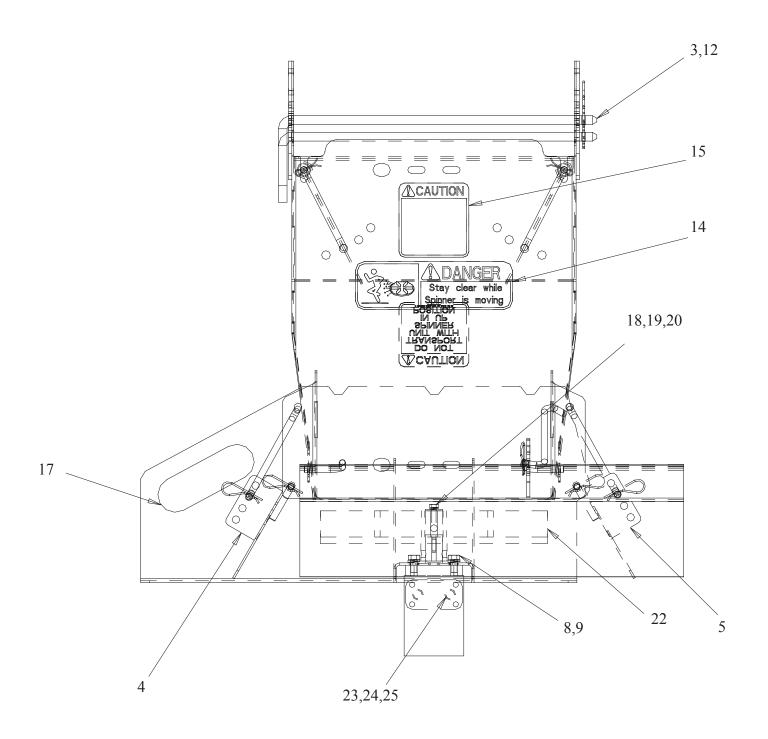
DETAIL, HYDRAULIC MOTOR ASSEMBLY

ITEM	PART NUMBER	PRODUCT DESCRIPTION	QTY
19	04004-001-07	LOCK WASHER, 3/8" MED SPLIT Zp	4
*	04004-001-14	LOCK WASHER, 3/8" MED SPLIT SS	
22	04004002-08	FLAT WASHER, 3/8" U.S.S. Zp	8
*	04004-002-20	FLAT WASHER 3/8" U.S.S. SS	
23	04003-003-03	BOLT, 3/8-16 X 1" Hh G5 Zp	10
*	04003-003-20	BOLT, 3/8-16 1" Hh SS	
24	04003-806-02	NUT 3/8-16 SER. FLANGE Zp	23
*	04003-806-12	NUT, 3/8-16 SER. FLANGE SS	
41	04119-111-00	QUICK DISCONNECT, 1/2" MALE	1
42	04110-027-01	NIPPLE, 1/2" X CLOSE SCH 40	1
43	04101-035-00	MOTOR, HYDRAULIC (3cid)	1
44	04009-001-01	KEY, 1/4" x 7/8" woodruff	1
45	00122-446-01	FORM, MOTOR MTG BRKT CS	1
*	00122-446-03	FORM, MOTOR MTG BRKT S2	
47	04008-007-00	BUSHING, SPACER, SS	4
49	00105-302-00	COUPLING, SHAFT	1
50	04118-043-00	CAP, DUST 1/2"	1
51	04003-033-01	BOLT, 3/8-16 X 3/4" CA G5 Zp	4
*	04003-033-12	BOLT, 3/8-16 X 3/4" CA SS	
52	04003-002-09	BOLT, 5/16-18 X 2" Hh G5 Zp	1
*	04003-002-31	BOLT, 5/16-18 X 2" Hh SS	
53	04003-804-01	LOCK NUT, 5/16-18 NI Zp	1
*	04003-804-20	LOCK NUT, 5/16-18 NI SS	

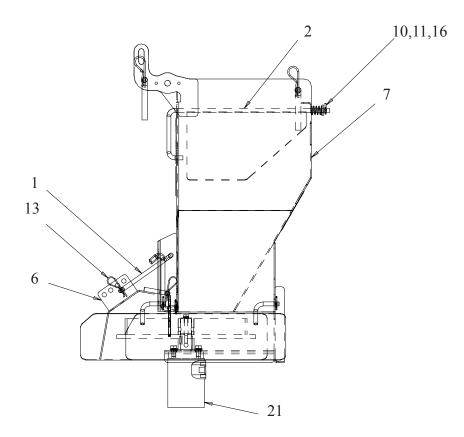


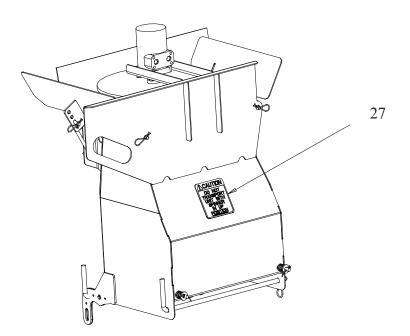
DETAIL, GEARBOX ASSEMBLY

ITEM	PART NUMBER	PRODUCT DESCRIPTION	QTY
10	04043-075-08	WELD, DRAG CHAIN, MDV 8 ft.	1
	04043-075-09	WELD, DRAG CHAIN, MDV 9 ft.	
	04043-075-10	WELD, DRAG CHAIN, MDV 10 ft.	
29	04045-022-00	PIN, CONNECTOR W/ COTTER	1
36	00118-337-00	SUB-ASSEMBLY, GEARBOX	1
37	04004-001-09	LOCK WASHER, 1/2" MED SPLIT Zp	4
*	04004-001-16	LOCK WASHER, 1/2" MED SPLIT SS	
38	04003-005-14	BOLT, 1/2-13 X 3/4" TAP Hh G5 Zp	4
*	04003-005-56	BOLT, 1/2-13 X 3/4" TAP Hh SS	



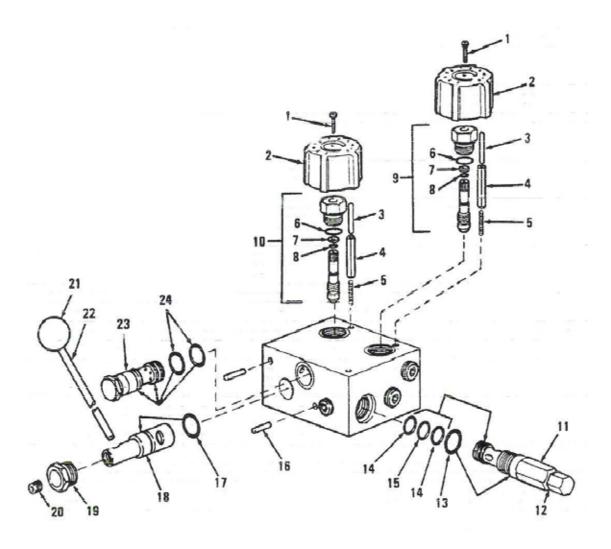
ITEMPART NUMBERPRODUCT DESCRIPTIONQTY300119-339-02ROD, SPINNER, MTG S32400229-337-01WELD, LH SPINNER BAFFLE, CS1*00119-337-03WELD, LH SPINNER BAFFLE, S21500119-338-01WELD, RH SPINNER BAFFLE, CS1*00118-338-03WELD, RH SPINNER BAFFLE, S21804003-003-20BOLT, 3/8-16 X 3/4" Hh SS4904004-0001-04LOCK WASHER, 3/8" SS41204011-001-04KEEPER, HAIRPIN LG SS21404049-044-00DECAL, CAUTION11504049-045-00DECAL, CAUTION11704093-021-00TRIM, VINYL1.25 ft.1804004-002-39FLAT WASHER, 1/4" SPECIAL SS11904004-001-19LOCK WASHER, 1/4" SS12004003-001-36BOLT, 1/4-20 X 2-1/2" Hh SS12104120-003-12HOSE, 1/2" X 60 HYD.12304120-003-12PLUG, DUST1				
1 1	ITEM	PART NUMBER	PRODUCT DESCRIPTION	QTY
* 00119-337-03 WELD, LH SPINNER BAFFLE, S2 5 00119-338-01 WELD, RH SPINNER BAFFLE, CS 1 * 00118-338-03 WELD, RH SPINNER BAFFLE, S2 1 8 04003-003-20 BOLT, 3/8-16 X 3/4" Hh SS 4 9 04004-0001-04 LOCK WASHER, 3/8" SS 4 12 04011-001-04 KEEPER, HAIRPIN LG SS 2 14 04049-044-00 DECAL, DANGER 1 15 0409-045-00 DECAL, CAUTION 1 17 04093-021-00 TRIM, VINYL 1.25 ft. 18 04004-002-39 FLAT WASHER, 1/4" SPECIAL SS 1 19 04004-001-19 LOCK WASHER, 1/4" SS 1 20 04003-001-36 BOLT, 1/4-20 X 2-1/2" Hh SS 1 22 04622-061-00 DISC, SPINNER, 13" 1 23 04120-003-12 HOSE, 1/2" X 60 HYD. 1 24 04119-110-001 QUICK DISCONNECT, 1/2" FEMALE 1	3	00119-339-02	ROD, SPINNER, MTG S3	2
5 00119-338-01 WELD, RH SPINNER BAFFLE, CS 1 * 00118-338-03 WELD, RH SPINNER BAFFLE, S2 1 8 04003-003-20 BOLT, 3/8-16 X 3/4" Hh SS 4 9 04004-0001-04 LOCK WASHER, 3/8" SS 4 12 04011-001-04 KEEPER, HAIRPIN LG SS 2 14 04049-044-00 DECAL, DANGER 1 15 04093-021-00 TRIM, VINYL 1.25 ft. 18 04004-002-39 FLAT WASHER, 1/4" SPECIAL SS 1 19 04004-001-19 LOCK WASHER, 1/4" SS 1 20 04003-001-36 BOLT, 1/4-20 X 2-1/2" Hh SS 1 21 04120-003-12 HOSE, 1/2" X 60 HYD. 1 23 04120-003-12 HOSE, 1/2" X 60 HYD. 1 24 04119-110-001 QUICK DISCONNECT, 1/2" FEMALE 1	4	00229-337-01	WELD, LH SPINNER BAFFLE, CS	1
* 00118-338-03 WELD, RH SPINNER BAFFLE, S2 8 04003-003-20 BOLT, 3/8-16 X 3/4" Hh SS 4 9 04004-0001-04 LOCK WASHER, 3/8" SS 4 12 04011-001-04 KEEPER, HAIRPIN LG SS 2 14 04049-044-00 DECAL, DANGER 1 15 0409-045-00 DECAL, CAUTION 1 17 04093-021-00 TRIM, VINYL 1.25 ft. 18 04004-002-39 FLAT WASHER, 1/4" SPECIAL SS 1 19 04004-001-19 LOCK WASHER, 1/4" SS 1 20 04003-001-36 BOLT, 1/4-20 X 2-1/2" Hh SS 1 21 04622-061-00 DISC, SPINNER, 13" 1 23 04120-003-12 HOSE, 1/2" X 60 HYD. 1 24 04119-110-001 QUICK DISCONNECT, 1/2" FEMALE 1	*	00119-337-03	WELD, LH SPINNER BAFFLE, S2	
8 04003-003-20 BOLT, 3/8-16 X 3/4" Hh SS 4 9 04004-0001-04 LOCK WASHER, 3/8" SS 4 12 04011-001-04 KEEPER, HAIRPIN LG SS 2 14 04049-044-00 DECAL, DANGER 1 15 04049-045-00 DECAL, CAUTION 1 17 04093-021-00 TRIM, VINYL 1.25 ft. 18 04004-002-39 FLAT WASHER, 1/4" SPECIAL SS 1 19 04004-001-19 LOCK WASHER, 1/4" SS 1 20 04003-001-36 BOLT, 1/4-20 X 2-1/2" Hh SS 1 21 04120-003-12 HOSE, 1/2" X 60 HYD. 1 23 04119-110-001 QUICK DISCONNECT, 1/2" FEMALE 1	5	00119-338-01	WELD, RH SPINNER BAFFLE, CS	1
904004-0001-04LOCK WASHER, 3/8" SS41204011-001-04KEEPER, HAIRPIN LG SS21404049-044-00DECAL, DANGER11504049-045-00DECAL, CAUTION11704093-021-00TRIM, VINYL1.25 ft.1804004-002-39FLAT WASHER, 1/4" SPECIAL SS11904004-001-19LOCK WASHER, 1/4" SS12004003-001-36BOLT, 1/4-20 X 2-1/2" Hh SS12304120-003-12HOSE, 1/2" X 60 HYD.12404119-110-001QUICK DISCONNECT, 1/2" FEMALE1	*	00118-338-03	WELD, RH SPINNER BAFFLE, S2	
12 04011-001-04 KEEPER, HAIRPIN LG SS 2 14 04049-044-00 DECAL, DANGER 1 15 04049-045-00 DECAL, CAUTION 1 17 04093-021-00 TRIM, VINYL 1.25 ft. 18 04004-002-39 FLAT WASHER, 1/4" SPECIAL SS 1 19 04004-001-19 LOCK WASHER, 1/4" SS 1 20 04003-001-36 BOLT, 1/4-20 X 2-1/2" Hh SS 1 22 04622-061-00 DISC, SPINNER, 13" 1 23 04120-003-12 HOSE, 1/2" X 60 HYD. 1 24 04119-110-001 QUICK DISCONNECT, 1/2" FEMALE 1	8	04003-003-20	BOLT, 3/8-16 X 3/4" Hh SS	4
14 04049-044-00 DECAL, DANGER 1 15 04049-045-00 DECAL, CAUTION 1 17 04093-021-00 TRIM, VINYL 1.25 ft. 18 04004-002-39 FLAT WASHER, 1/4" SPECIAL SS 1 19 04004-001-19 LOCK WASHER, 1/4" SS 1 20 04003-001-36 BOLT, 1/4-20 X 2-1/2" Hh SS 1 22 04622-061-00 DISC, SPINNER, 13" 1 23 04120-003-12 HOSE, 1/2" X 60 HYD. 1 24 04119-110-001 QUICK DISCONNECT, 1/2" FEMALE 1	9	04004-0001-04	LOCK WASHER, 3/8" SS	4
15 04049-045-00 DECAL, CAUTION 1 17 04093-021-00 TRIM, VINYL 1.25 ft. 18 04004-002-39 FLAT WASHER, 1/4" SPECIAL SS 1 19 04004-001-19 LOCK WASHER, 1/4" SS 1 20 04003-001-36 BOLT, 1/4-20 X 2-1/2" Hh SS 1 22 04622-061-00 DISC, SPINNER, 13" 1 23 04120-003-12 HOSE, 1/2" X 60 HYD. 1 24 04119-110-001 QUICK DISCONNECT, 1/2" FEMALE 1	12	04011-001-04	KEEPER, HAIRPIN LG SS	2
1704093-021-00TRIM, VINYL1.25 ft.1804004-002-39FLAT WASHER, 1/4" SPECIAL SS11904004-001-19LOCK WASHER, 1/4" SS12004003-001-36BOLT, 1/4-20 X 2-1/2" Hh SS12204622-061-00DISC, SPINNER, 13"12304120-003-12HOSE, 1/2" X 60 HYD.12404119-110-001QUICK DISCONNECT, 1/2" FEMALE1	14	04049-044-00	DECAL, DANGER	1
18 04004-002-39 FLAT WASHER, 1/4" SPECIAL SS 1 19 04004-001-19 LOCK WASHER, 1/4" SS 1 20 04003-001-36 BOLT, 1/4-20 X 2-1/2" Hh SS 1 22 04622-061-00 DISC, SPINNER, 13" 1 23 04120-003-12 HOSE, 1/2" X 60 HYD. 1 24 04119-110-001 QUICK DISCONNECT, 1/2" FEMALE 1	15	04049-045-00	DECAL, CAUTION	1
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2004003-001-36BOLT, 1/4-20 X 2-1/2" Hh SS12204622-061-00DISC, SPINNER, 13"12304120-003-12HOSE, 1/2" X 60 HYD.12404119-110-001QUICK DISCONNECT, 1/2" FEMALE1	18	04004-002-39	FLAT WASHER, 1/4" SPECIAL SS	1
22 04622-061-00 DISC, SPINNER, 13" 1 23 04120-003-12 HOSE, 1/2" X 60 HYD. 1 24 04119-110-001 QUICK DISCONNECT, 1/2" FEMALE 1	19	04004-001-19	LOCK WASHER, 1/4" SS	1
23 04120-003-12 HOSE, 1/2" X 60 HYD. 1 24 04119-110-001 QUICK DISCONNECT, 1/2" FEMALE 1	20	04003-001-36	BOLT, 1/4-20 X 2-1/2" Hh SS	1
24 04119-110-001 QUICK DISCONNECT, 1/2" FEMALE 1	22	04622-061-00	DISC, SPINNER, 13"	1
	23	04120-003-12	HOSE, 1/2" X 60 HYD.	1
25 04118-019-00 PLUG, DUST 1	24	04119-110-001	QUICK DISCONNECT, 1/2" FEMALE	1
	25	04118-019-00	PLUG, DUST	1





ITEM	PART NUMBER	PRODUCT DESCRIPTION	QTY
1	00115-150-00	BAR, LINK S3	3
2	00119-3223-01	WELD, INTERNAL BAFFLE, CS	2
*	00119-323-03	WELD, INTERNAL BAFFLE, S2	2
6	00119-341-01	WELD, REAR SPINNER BAFFLE, CS	1
*	00119-341-03	WELD, REAR SPINNER BAFFLE, S2	1
7	00122-596-01	WELD, SPINNER FRAME, HYD, CS	1
*	00122-596-03	WELD, SPINNER FRAME, HYD, S2	1
10	04004-002-20	FLAT WASHER, 3/8" SS	2
11	04010-016-01	PIN, 1/8" X 1" COTTER, SS	2
13	004011-001-05	KEEPER, HAIRPIN SM SS	9
16	04091-028-00	SPRING, COMPRESSION	2
21	04101-035-00	MOTOR, HYDRAULIC	1
27	04049-416-00	DECAL, SWING-UP SPINNER	1





PARTS LIST FOR DUAL HYDRAULIC FLOW CONTROL VALVE

(04105-285-00)

<u>ltem</u>	Part Number	<u>Qty</u>	Description	
1A 1B 1D	04105-285-46 04105-285-09 04105-285-31		Detent Repair Kit Kit, Seal for item #9 & 10 Kit, Seal	(Consists of 1, 2, 3, 4 & 5) (Consists of 6, 7 & 8)
			(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, Vitron	
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	1	Spinner Adj. Assy 10 GPM	
11	04105-285-19	1	Relief Cartridge	
12		1	Gasket	
13		1	O-Ring, Vitron	
14		2	Ring, Back-up, Teflon	
15		1	O-Ring, Vitron	
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, Vitron	

PARTS LIST FOR DUAL HYDRAULIC FLOW CONTROL VALVE (#00001-692-00) (see page 7 for Drawing)

<u>ltem</u>	Part Number	<u>Qty</u>	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" HH
4	04003-001-05	8	Bolt, 1/4" x 1" HH
5	04003-801-07	10	Nut, 1/4" HH
6	04004-001-05	10	Lock Washer, 1/4"

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 NUMBER

SERIAL NUMBER_____

DATE PURCHASED	DATE PURCHASED	1
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DEALER PURCHASED FROM_____

DEALER'S SERVICE DEPARTMENT PHONE NUMBER

EXPLANATION OF SERIAL NUMBER DECAL

PATENT NUMBERS WHICH APPLY	May be covered by one or n	Swenson Sprea 127 Walnut Stre Linderwood, IL (888) 825-7323 nore of these patents: 10066 3851804 5669531	eet 61049	
(P) PACKAGE	Description: P, TA, S, S3, Part Number: 00002-463	.Serial Numbe 3-01 .0106-1323		
(S3) 304 STAINLESS STEEL (BLANK) CARBON STEEL (DIANK) CARBON STEEL () SPL-SPECIAL [OTHER LETTERS DESIGNATE CUSTOMER, OR ADDITIONAL SPREADER FEATURES]			(06) YEA (1323) F	NTH BUILT (JANUARY) R BUILT (2006) EGISTER SEQUENCE NUMBER OR YEAR
(00002–463) "S" SEF (01) REGISTER SEQUE	NCE NUMBER			
[OTHER LÉTTERS DESIGNATE CUSTOMER, OR ADDITIONAL SPREADER FEATURES] (00002-463) "S" SEF	NCE NUMBER		(1323) F	EGISTER SEQUENCE NUMBER

S:\00111\00111-389-00RTJPD

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

NOTICE: INSTRUCTIONAL MATERIAL AND PARTS LISTS INCLUDED IN THIS MANUAL ARE SUBJECT TO CHANGE WITHOUT NOTICE.



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

WHAT THIS WARRANTY COVERS

Swenson Spreader LLC (hereinafter "Swenson") is committed to assuring Customer satisfaction with the Spreader (hereinafter "Product"). Swenson warrants to the original owner (hereinafter "Purchaser") of the Product to be free from defects in material and workmanship for the following term: Swenson warrants ALL PARTS AND ASSEMBLIES to be free from defects in material and workmanship for a period of one year from the date of purchase. Installation of the Product must be in accordance with Swenson's instructions. This warranty extends to the Purchaser and may not be assigned without the prior written approval of Swenson; except a distributor may assign this warranty to the first titled owner of the Product.

If a Product has a defect in material or workmanship covered by the warranty, Swenson will (at our option) either replace or repair said part. Swenson's has sole discretion as to repair of defects covered by this warranty, or replacement of the Product. Swenson's responsibilities as described herein shall not exceed the amount of the purchase of the Product.

WHAT THIS WARRANTY DOES NOT COVER

Swenson's warranty does not extend to Product which have been misused, abused, improperly installed, repaired with non-genuine Swenson parts, improperly cared for, if materials such as lava rock or cinders are used, or for which payment has not been made. The warranty is void if repairs or alterations to the Product are made by unauthorized persons, or the Product serial numbers have been altered or defaced.

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.

THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. THERE IS NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SWENSON'S MAXIMUM OBLIGATION AND LIABILITY UNDER THIS WARRANTY SHALL BE LIMITED TO AN AMOUNT EQUAL TO THE PRESENT PURCHASE PRICE FOR THE SWENSON PRODUCT. SWENSON SHALL NOT BE LIABLE FOR ANY LOSS OR DAMAGE, WHETHER DIRECT OR INDIRECT, INCIDENTAL, CONSEQUENTIAL OR OTHERWISE ARISING OUT OF BREACH OF THIS WRITTEN WARRANTY OR ANY IMPLIED WARRANTY. Some states do not allow limitations on how long an implied warranty will last or the exclusion or limitation of incidental or consequential damages.

Defective parts returned to Swenson Spreader LLC must be accompanied by the following information:

RGA #	
Spreader Model	
Serial Number	
Date Installed	
Where Purchased	

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

Effective 4/15/05



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