GENERAL MANUAL FOR MODEL JOHN DEERE 4920 11' G4



SAFETY GUIDELINES INSTALLATION OPERATION MAINTENANCE TROUBLESHOOTING PARTS LIST

Dealer Sticker

This unit may have been built with <u>SPECIAL FEATURES</u>. Provide <u>SERIAL NUMBER</u> when ordering parts.

SERIAL NO. _____

IMPORTANT: READ THE SAFETY GUIDELINES AND ALL INSTRUCTIONS CAREFULLY BEFORE OPERATING

HIGHWAY EQUIPMENT COMPANY - NEW LEADER DIVISION 1330 76TH AVE SW, CEDAR RAPIDS, IOWA 52404-7052 PH. (319) 363-8281 www.highwayequipment.com FAX (319) 632-3081

HIGHWAY EQUIPMENT COMPANY

TABLE OF CONTENTS

Warranty	4
Preface	5
Safety	6
General Description	
Dimensions & Capacities	20
Installation Instructions	
Selection of Pump	21
General Installation Instructions	21
Mounting of Spreader Body	
Hydraulics	
Controller	
Electric Dump Valve Control	27
Lights	27
Lubrication	
Material Divider Storage	28
Initial Start-Up	29
Field Testing	
General Operating Procedures	31
Lubrication and Maintenance	32
Hydraulic System	32
Conveyor Gear Case	32
Hydraulic Hose	33
Conveyor Chain	34
Conveyor Belt Maintenance	35
Lubrication of Bearings	35
Clean Up	35
Fasteners	35
Lubricant and Hydraulic Oil Specifications	36
Lubrication and Maintenance Chart	37
Troubleshooting	38
Notes	
Torque Chart	42
Instructions for Ordering Parts	43
Legend for Parts List Symbols	43



HIGHWAY EQUIPMENT COMPANY

TABLE OF CONTENTS CONTINUED

Parts List

44
46
47
48
49
50
52
54
53
54
55
56
57
58
60
61
62
64
65
66
67
72
74
76





HIGHWAY EQUIPMENT COMPANY

SAFETY



TAKE NOTE! THIS SAFETY ALERT SYMBOL FOUND THROUGHOUT THE OPERATION MANUAL IS USED TO CALL YOUR ATTENTION TO INSTRUCTIONS INVOLVING YOUR PERSONAL SAFETY AND THAT OF OTHERS. FAILURE TO FOLLOW THESE INSTRUCTIONS CAN RESULT IN INJURY OR DEATH.

In this manual and on the safety signs placed on the unit, the words "DANGER," "WARNING," "CAUTION," and "IMPORTANT" are used to indicate the following:





most extreme situations typically for machine components that, for functional purposes, cannot be guarded.

Indicates an imminently hazardous situation that, if not avoided, WILL result in death or serious injury. This signal word is to be limited to the

Indicates a potentially hazardous situation that, if not avoided, COULD result in death or serious injury, and includes hazards that are exposed when guards are removed. It may also be used to alert against unsafe practices.



Indicates a potentially hazardous situation that, if not avoided, MAY result in minor or moderate injury. It may also be used to alert against unsafe practices.

IMPORTANT!

Is used for informational purposes in areas that may involve damage or deterioration to unit but generally would not involve the potential for personal injury.

The need for safety cannot be stressed strongly enough in this manual. At Highway Equipment Company, we urge you to make safety your top priority when operating any equipment. We firmly advise that anyone allowed to operate this machine be thoroughly trained and tested to prove they understand the fundamentals of safe operation.

The following guidelines are intended to cover general usage and to assist you in avoiding accidents. There will be times when you will run into situations that are not covered in this section. At those times the best standard to use is common sense. If, at any time, you have question concerning these guidelines, please call your authorized dealer or our factory at (319) 363-8281.



HIGHWAY EQUIPMENT COMPANY

SAFETY

AVOID ACCIDENTS

Most accidents, whether they occur in industry, on the farm, at home, or on the highway, are caused by the failure of some individual to follow simple and fundamental safety rules or precautions. For this reason, most accidents can be prevented by recognizing the real cause and doing something about it before the accident occurs.

Regardless of the care used in the design and construction of any type of equipment, there are many conditions that cannot be completely safeguarded against without interfering with reasonable accessibility and efficient operation.

A CAREFUL OPERATOR IS THE BEST INSURANCE AGAINST AN ACCIDENT. THE COMPLETE OBSERVANCE OF ONE SIMPLE RULE WOULD PREVENT MANY THOUSAND SERIOUS INJURIES EACH YEAR. THAT RULE IS:

NEVER ATTEMPT TO CLEAN, OIL OR ADJUST A MACHINE WHILE IT IS IN MOTION.

NATIONAL SAFETY COUNCIL



If spreader is used to transport chemicals, check with your chemical CAUTION supplier regarding DOT (Department of Transportation) requirements.



SAFETY DECALS

MAINTENANCE INSTRUCTIONS

- 1. Keep safety decals and signs clean and legible at all times.
- 2. Replace safety decals and signs that are missing or have become illegible.
- 3. Replaced parts that displayed a safety sign should also display the current sign.
- 4. Safety decals or signs are available from your dealer's Parts Department or our Cedar Rapids factory.

INSTALLATION INSTRUCTIONS

1. Clean Surface

Wash the installation surface with a synthetic, free-rinsing detergent. Avoid washing the surface with a soap containing creams or lotion. Allow to dry.

2. Position Safety Decal

Decide on the exact position before application. Application marks may be made on the top or side edge of the substrate with a lead pencil, marking pen, or small pieces of masking tape. NOTE: Do not use chalk line, china marker, or grease pencil. Safety decals will not adhere to these.

3. Remove the Liner

A small bend at the corner or edge will cause the liner to separate from the decal. Pull the liner away in a continuous motion at a 180-degree angle. If the liner is scored, bend at score and remove.

- 4. Apply Safety Decal
 - a. Tack decal in place with thumb pressure in upper corners.
 - b. Using firm initial squeegee pressure, begin at the center of the decal and work outward in all directions with overlapping strokes. NOTE: Keep squeegee blade even-nicked edges will leave application bubbles.
 - c. Pull up tack points before squeegeeing over them to avoid wrinkles.
- 5. Remove Pre-mask

If safety decal has a pre-mask cover remove it at this time by pulling it away from the decal at a 180 degree angle. NOTE: It is important that the pre-mask covering is removed before the decal is exposed to sunlight to avoid the pre-mask from permanently adhering to the decal.

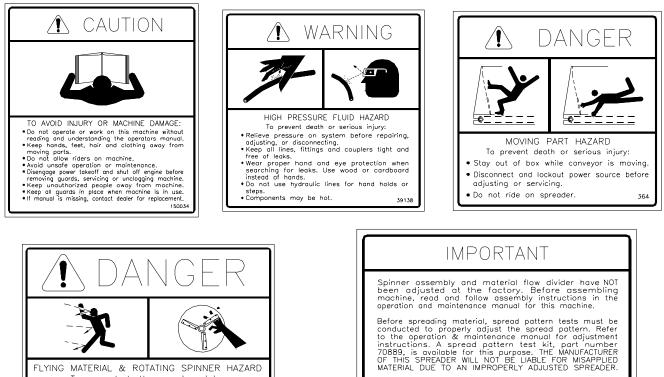
6. Remove Air Pockets

Inspect the decal in the flat areas for bubbles. To eliminate the bubbles, puncture the decal at one end of the bubble with a pin (never a razor blade) and press out entrapped air with thumb moving toward the puncture.

7. Re-Squeegee All Edges.



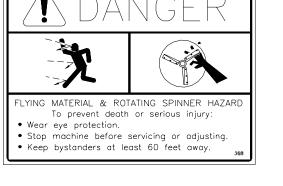
HIGHWAY EQUIPMENT COMPANY



SAFETY DECALS

It is recommended that spread pattern tests be conducted prior to each spreading season, after any spreader maintenance, and periodically during the spreading season. Spread pattern tests must be conducted whenever a new product is to be applied. 71526

71526



CAUTION 1

HAZARDOUS MATERIALS To avoid injury or machine damage:

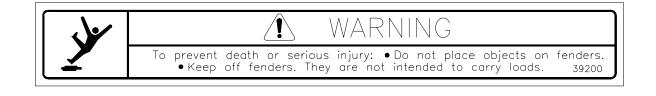
∕!∖

- Materials to be spread can be dangerous. \bullet Improper selection, application, use or handling may be a hazard to persons, animals, crops or other property.
- Follow instructions and precautions given by the material manufacturer. 321

WARNING

- MOVING PART HAZARD To prevent death or serious injury:
- Close and secure guards before starting. • Do not stand or climb on machine.
- Disconnect and lockout power source
- before adjusting or servicing.
- Keep hands, feet and hair away from moving parts. 55631







Please Give Part No., Description and Unit Serial No. 96324-B 9 Page Rev. A

HIGHWAY EQUIPMENT COMPANY

GENERAL SAFETY RULES **Operation Section**

- 1. Before attempting to operate this unit, read and be sure you understand the operation and maintenance manual. Locate all controls and determine the use of each. Know what you are doing!
- 2. When leaving the unit unattended for any reason, be sure to:
 - a. Take power take-off out of gear.
 - b. Shut off conveyor and spinner drives.
 - c. Shut off vehicle engine and unit engine (if so equipped).
 - d. Place transmission of the vehicle in "neutral" or "park".
 - e. Set parking brake firmly.
 - f. Lock ignition and take keys with you.
 - g. Lock vehicle cab.
 - h. If on steep grade, block wheels.

These actions are recommended to avoid unauthorized use, runaway, vandalism, theft and unexpected operation during start-up.

- 3. Do not read, eat, talk on a mobile phone or take your attention away while operating the unit. Operating is a full-time job.
- 4. Stay out of the body while conveyor is operating. If it is necessary to get into the body for any reason, be sure all power is shut off, vehicle brakes are set, and the engine starting switch is locked and keys removed. All controls should be tagged to prohibit operation and tags should be placed and later removed only by the person who was working in the body.
- 5. Guards and covers are provided to help avoid Stop all machinery before removing iniurv. them. Replace guards and covers before starting spreader operation.
- 6. Stay clear of any moving members, such as shafts, couplings and universal joints. Make adjustments in small steps, shutting down all motions for each adjustment.
- 7. Before starting unit, be sure everyone is clear and out of the way.





Please Give Part No., Description and Unit Serial No. 96324-B 10 Page Rev. A Thank you so much for reading. Please click the "Buy Now!" button below to download the complete manual.



After you pay.

You can download the most perfect and complete manual in the world immediately.

Our support email:

ebooklibonline@outlook.com