

# ***NEW LEADER***<sup>®</sup>

## **MODEL DN 345 / MULTAPPLIER**

*The DN 345 includes the L3220G4 & the TR3000.*

### **SERIAL NUMBER**

**L3220G4** \_\_\_\_\_

**MULTAPPLIER** \_\_\_\_\_

**TR3000** \_\_\_\_\_

**MANUAL NUMBER: 305813-A**

**EFFECTIVE 7/2008**

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## **BUILDING THE BEST SINCE 1939**

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**TABLE OF CONTENTS**

Warranty.....5

Preface.....7

    Safety Installation & Maintenance .....8

    Safety Decal Illustration .....9

General Description .....21

Dimensions & Capacities.....22

Implement Preparation Procedures .....23

    Hydraulic Requirements .....23

    Tractor Requirements .....23

    Implement Preparation & Connection .....24

    Inverted V Installation .....28

    Lubrication.....28

MULTAPPLIER Installation.....29

    MULTAPPLIER Preparation .....29

    MULTAPPLIER Feedgate .....29

    MULTAPPLIER Installation.....30

        Hydraulics .....31

        Hillside Divider.....31

        Dual Conveyor Cover .....32

        MULTAPPLIER Removal/Endgate Installation .....32

Initial Start-Up .....34

Field Testing.....35

General Operating Procedures .....36

    Tire Pressure & Transport Speeds .....36

    Inspection Ladder Position .....37

    Rear Pulling Lugs .....37

    Implement Maneuvering.....38

        Backing & Turning Tips.....38

        Jack-Knifing.....38

        Maximum Hitch Angle & Walking Beam Travel .....39

Lubrication and Maintenance .....40

    Preventative Maintenance Pays!.....40

    Spreader - L3220G4 .....40

        Hydraulic System.....40

            Service Schedule.....40

        Conveyor Gear Case .....40

        Hose Routing .....41

        Hydraulic Hose .....42

            Storage & Handling .....42

        Bin Sensor .....43

        Conveyor Chain .....43

            Lubrication.....43

            Tension.....44



**TABLE OF CONTENTS CONTINUED**

Conveyor Belt Maintenance .....44

Spinner Sensor .....45

Lubrication of Bearings .....45

Clean Up .....45

Fasteners .....46

Trailer - TR3000 .....47

    Brakes .....46

    Tires .....48

    Rims/Lug Nuts .....49

        Wheel Replacement .....49

    PTO Lube & All Grease Points .....50

    Storage .....50

        PTO .....50

        General .....50

        Material Divider .....51

Lubrication & Hydraulic Oil Specifications .....52

    Hydraulic System .....52

    Gear Case Lubricant .....52

    Chain Oiler Mixture .....52

    Wheel Bearing Grease .....52

L3220G4 Lubrication & Maintenance Chart .....53

TR3000 Lubrication & Maintenance Chart .....56

MULTAPPLIER Lubrication & Maintenance Chart .....58

Troubleshooting .....59

    Electrical Schematic - 12 Volt DC .....59

    Brakes Schematic .....60

    Hydraulic Schematic .....61

    Symptoms & Solutions .....62

Standard Torques National Coarse (NC) Capscrews .....65

Serial Tags .....66

L3220G4 Parts ..... Tab

    Instructions for Ordering Parts .....67

    Removable Endgate, Feedgate & Jack .....68

    Sight Window .....70

    Mounting .....71

    #3 Pintle Chain Conveyor .....72

    #4 Chain Conveyor .....73

    Chain Shields .....74

    Encoder .....75

    Conveyor Idler .....76

    Conveyor Drive .....77

    Conveyor Chain Oiler .....78

    Wiper Front .....79



**TABLE OF CONTENTS CONTINUED**

Rear Wiper - #3 Conveyor.....	80
Inverted "V" .....	82
Side Boards.....	83
Fenders.....	84
Ladder.....	86
Material Divider .....	88
Hillside Flow divider.....	89
24" Hydraulic Fans.....	90
Spinner Guard & Shields.....	92
Spinner Sensor.....	93
Cooler Hydraulics.....	94
Reservoir.....	96
Left Side Hydraulics.....	97
Right Side Hydraulics.....	100
Spinner Hydraulics .....	102
MULTAPPLIER Hydraulics.....	103
Gear Case Assembly.....	104
Gear Case - Dual Pinion.....	105
Conveyor Motor 1 1/4".....	106
Control Valve.....	107
Spinner Motor.....	108
Decals .....	110
Lights.....	112
Bin Sensor.....	114
MULTAPPLIER Parts.....	115
MULTAPPLIER .....	115
Rear Feedgate .....	116
Sealer & Front Feedgate.....	117
Front Sealer.....	118
Cover - Conveyor .....	119
Hillside Flow Divider.....	120
Conveyor Drive .....	121
Conveyor Idler.....	122
Idler Zerks.....	123
Wiper .....	124
#4 BOC.....	125
TR3000 Parts .....	Tab
Tires .....	127
Pump Hydraulics .....	128
Hydraulic Brakes.....	130
Brake Lines.....	134
Decals .....	136
JD Information.....	Tab



NOTES:



**PREFACE****PLEASE! ALWAYS THINK SAFETY FIRST!!**

The purpose of this manual is to familiarize the person (or persons) using this unit with the information necessary to properly install, operate, and maintain this system. These instructions cannot replace the following: the fundamental knowledge that must be possessed by the installer or operator, the knowledge of a qualified person, or the clear thinking necessary to install and operate this equipment. Since the life of any machine depends largely upon the care it is given, we suggest that this manual be read thoroughly and referred to frequently. If for any reason you do not understand the instructions, please call your authorized dealer or our Cedar Rapids, Iowa, Product Support Department at (319) 363-8281.

It has been our experience that by observing the operation of the spreader, you will have sufficient understanding of the machine enabling you to troubleshoot and correct all normal problems that you may encounter. Again, we urge you to call your authorized dealer or our Cedar Rapids Product Support Department if you find the unit is not operating properly, or if you are having trouble with repairs of this machine.

We urge you to protect your investment by using genuine HECO parts and our authorized dealers for all work other than routine care and adjustments.

Highway Equipment Company reserves the right to make alterations or modifications to this equipment at any time. The manufacturer shall not be obligated to make such changes to machines already in the field.

This Safety Section should be read thoroughly and referred to frequently.

**ACCIDENTS HURT!!!**

**ACCIDENTS COST!!!**

**ACCIDENTS CAN BE AVOIDED!!!**

## SAFETY



**TAKE NOTE! THIS SAFETY ALERT SYMBOL FOUND THROUGHOUT THIS 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,” “NOTICE” and “IMPORTANT” are used to indicate the following:



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



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.



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



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

**NOTE:**

Provides additional information to simplify a procedure or clarify a process.

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 a question concerning these guidelines, please call your authorized dealer or our factory at (319) 363-8281.



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 must 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**



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