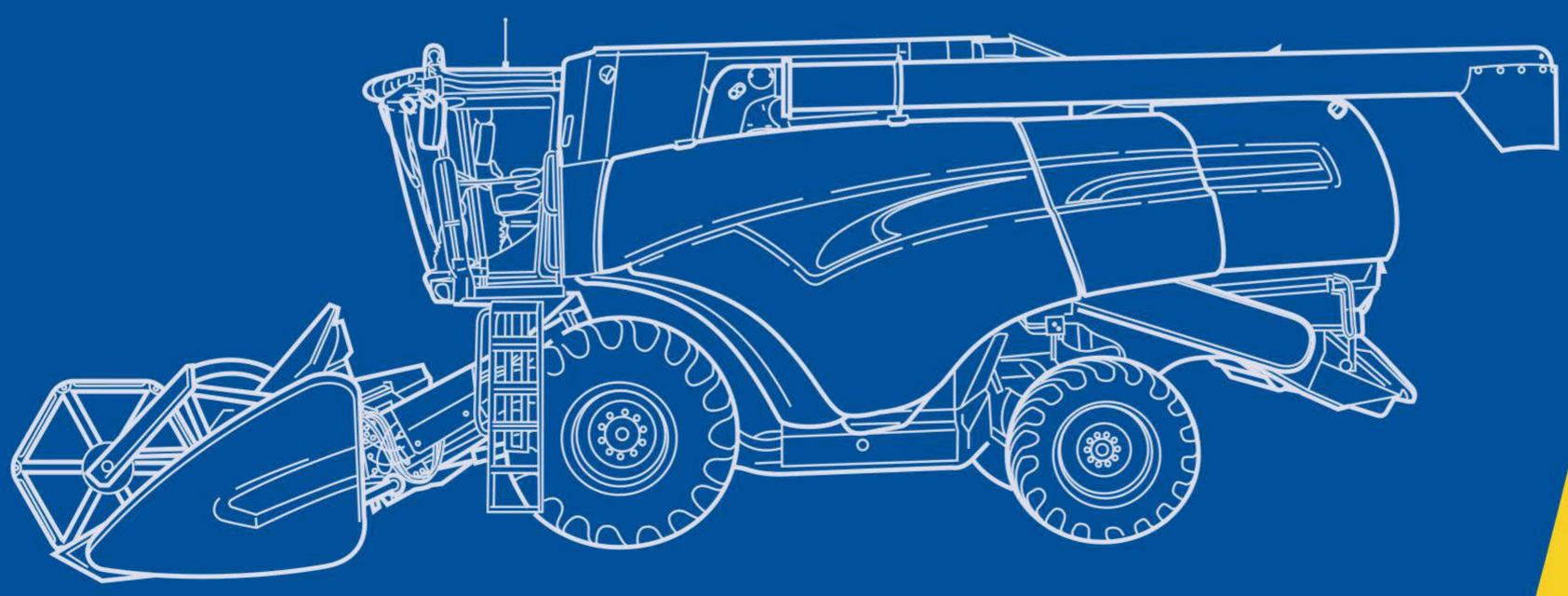
# OPERATOR'S MANUAL

## High-Capacity
## Extra-Capacity
## Varifeed™
Grain Header

*From PIN 9979*



**Part Number 84552882**
1st edition English
January 2012

NEW HOLLAND
AGRICULTURE

MidWestTech | New Holland High, Extra Capacity Varifeed Grain Header Operator's Manual | Publication 84552882

Order the manual at mid-west-tech.com >

# Contents


## 1 GENERAL INFORMATION

General ..... 1-1
Intended use ..... 1-4
Prohibited usage ..... 1-4
Product identification ..... 1-5

## 2 SAFETY INFORMATION

Safety precautions ..... 2-1
Precautionary statements ..... 2-1
Machine safety ..... 2-1
General recommendations ..... 2-1
Level requirements for operation, service and converting activities ..... 2-2
Fire or explosion prevention ..... 2-3
Hazardous chemicals ..... 2-3
Travelling on public roads ..... 2-3
Operating the attachments ..... 2-4
Maintenance ..... 2-5
Illustrations ..... 2-7
Legal obligations ..... 2-7
Safety requirements for fluid power systems and components - hydraulic systems (European standard EN982) ..... 2-7
Safety decals ..... 2-8

## 3 CONTROLS/INSTRUMENTS

### MACHINE COMPONENTS

Access to machine components ..... 3-1

### PROTECTIVE DEVICES

Protective devices ..... 3-2

## 4 OPERATING INSTRUCTIONS

### COMMISSIONING THE UNIT

Operating principles ..... 4-1

## 5 TRANSPORT OPERATIONS

### PREPARING FOR ROAD TRANSPORT

Lifting the attachment ..... 5-1

## 6 WORKING OPERATIONS


MidWestTech | New Holland High, Extra Capacity Varifeed Grain Header Operator's Ma... Order the manual at mid-west-tech.com >

## GENERAL INFORMATION


Operating principles ..... 6-1
Skid shoes ..... 6-1
Pivotable adjustable crop divider ..... 6-2
Short divider ..... 6-3
Short fixed divider ..... 6-4
Adjustable knife bar ..... 6-4
Reel height ..... 6-4
Reel position ..... 6-4
Reel tine pitch ..... 6-5
Reel tine to knife clearance ..... 6-5
Reel tine to knife clearance ..... 6-5
Reel speed ..... 6-7
Reel speed ..... 6-7
Automatic reel speed ..... 6-8
Reel cylinders ..... 6-8
Reel position sensors ..... 6-9
Auger height ..... 6-10
Auger flight extensions ..... 6-11
Auger drive ..... 6-11
Crop lifters ..... 6-12
Auger drive slip clutch ..... 6-13
Debris removal ..... 6-13
Machine settings for different crops ..... 6-14
Reel settings Overview ..... 6-15


# 7 MAINTENANCE

## GENERAL INFORMATION


General ..... 7-1
Grease fittings ..... 7-1
Grease interval ..... 7-2


## MAINTENANCE CHART


Maintenance chart ..... 7-3


### Every 10 hours or daily


10 hours grease zerks ..... 7-4
Retractable auger tine lubrication ..... 7-5
Belts and chains tensions ..... 7-5
Reel chain drive ..... 7-8
Chains, threaded rods and pivot points ..... 7-8


### After first 50 hours


Knife drive gearbox oil change ..... 7-9


### Every 50 hours


MidWestTech | New Holland High, Extra Capacity Varifeed Grain Header Operator's Ma... Order the manual at mid-west-tech.com >

50 hours grease zerks ..... 7-10
Knife drive gearbox oil level ..... 7-12
Header drive p.t.o. ..... 7-12

Every 100 hours
100 hours grease zerks ..... 7-13

Every 200 hours
Auger drive slip clutch lubrication ..... 7-14

Every 300 hours
Pivot points ..... 7-15

Every 600 hours or annually
Knife drive gearbox oil change ..... 7-16
FRAME AND CAB - Lubricate ..... 7-16

STORAGE
End of season service Storage ..... 7-17
Preseason service ..... 7-19

General maintenance
Reel speed sensor ..... 7-19
Auger position ..... 7-19
Retractable auger tine ..... 7-22
Knife replacement ..... 7-23
Finger guard ..... 7-24
Knife section ..... 7-25
Knife hold-down clips ..... 7-26
Rice knife ..... 7-26
Lower Left Side Shield ..... 7-27
Skid shoes ..... 7-27
Lubrication schedule ..... 7-29

8 TROUBLESHOOTING
SYMPTOM(S)
Irregular feeding ..... 8-1
Losses ..... 8-2

9 SPECIFICATIONS
General dimensions ..... 9-1
Weights specifications ..... 9-2
Technical data ..... 9-3

MidWestTech | New Holland High, Extra Capacity Varifeed Grain Header Operator's Ma... Order the manual at mid-west-tech.com >

# 6 - WORKING OPERATIONS

## GENERAL INFORMATION

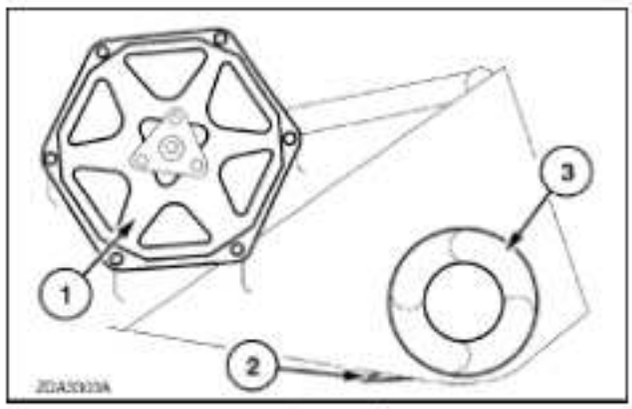
## Operating principles

### Description of operation

The reel **(1)** guides or picks up the crop (in the case of laid crops) in front of the knife **(2)**.

The knife **(2)** cuts off the crop which is then fed to the auger **(3)** by the reel **(1)**.

The auger flighting brings the crop to the center of the header where it is fed into the combine straw elevator.



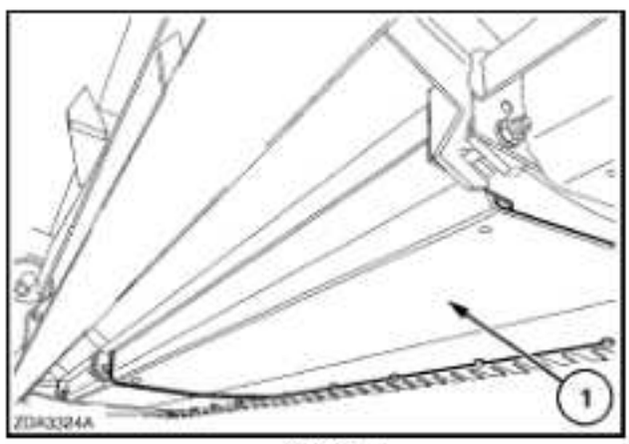

ZDA3303A 1

## Skid shoes

**⚠DANGER**

**Crushing hazard!**
**The safety lock built into the header lift system locks the header in the raised position. Engage the safety lock before working under a raised header.**
**Failure to comply will result in death or serious injury.**

D00715




ZDA3324A 1

Skid shoes **(1)** are installed on the underside of the header. The grain header is delivered from the factory with the skid shoes **(1)** set in position as shown. They can be repositioned by removing the bolts on each plate and relocating them in the desired position.

***NOTE:*** *The cutting height in the field will be slightly higher because of the wheels sinking into the soil and the weight of the crop in the grain tank.*

The skid shoes can be set in three different positions.

***NOTICE:*** *When working underneath the header, ensure that it is securely blocked or the combine header lift cylinder safety latch is engaged and that the combine engine is stopped.*

To adjust the header skid shoes, refer to page **7-27**.



MidWestTech | New Holland High, Extra Capacity Varifeed Grain Header Operator's Ma... Order the manual at mid-west-tech.com >

# MAINTENANCE CHART

## Maintenance chart

| Interval | Page Nb. | Maintenance Action | Nb. of pts | Grease | Tighten | Change fluid | Check | Lubricate |
|---|---|---|---|---|---|---|---|---|
| Every 10 hours or daily | 7-4 | 10 hours grease zerks | | X | | | | |
| | 7-5 | Retractable auger tine lubrication | | X | | | | |
| | 7-5 | Belts and chains tensions | | | X | | | |
| | 7-8 | Reel chain drive | | | X | | | |
| | 7-8 | Chains, threaded rods and pivot points | | X | | | | |
| After first 50 hours | 7-9 | Knife drive gearbox oil change | | | | X | | |
| Every 50 hours | 7-10 | 50 hours grease zerks | | X | | | | |
| | 7-12 | Knife drive gearbox oil level | | | | | X | |
| | 7-12 | Header drive | | | | | | X |
| Every 100 hours | 7-13 | 100 hours grease zerks | | X | | | | |
| Every 200 hours | 7-14 | Auger drive slip clutch lubrication | | X | | | | |
| Every 300 hours | 7-15 | Pivot points | | | | | | X |
| Every 600 hours or annually | 7-16 | Knife drive gearbox oil change | | | | X | | |
| | 7-16 | FRAME AND CAB | | | | | | X |



MidWestTech | New Holland High, Extra Capacity Varifeed Grain Header Operator's Ma... Order the manual at mid-west-tech.com >

# Weights specifications

| Weight (*) | High-Capacity | Extra-Capacity | Varifeed™ |
|---|---|---|---|
| **12 ft** | **1070 kg (2359 lb)** | - | |
| **13 ft** | **1110 kg (2447 lb)** | - | |
| **15 ft** | **1200 kg (2645 lb)** | - | |
| **15 ft** (for Hillside combine) | **1630 kg (3593 lb)** | - | |
| **17 ft** | **1360 kg (2998 lb)** | - | **1530 kg (3373 lb)** |
| **17 ft** (for Hillside combine) | **1750 kg (3858 lb)** | - | |
| **20 ft** | **1520 kg (3351 lb)** | **1550 kg (3417 lb)** | **1755 kg (3869 lb)** |
| **20 ft** (for Hillside combine) | **1910 kg (4211 lb)** | - | |
| **24 ft** | **1760 kg (3880 lb)** | **1820 kg (4012 lb)** | **2060 kg (4541 lb)** |
| **30 ft** | **2260 kg (4982 lb)** | **2280 kg (5026 lb)** | - |

(*): Without header crop dividers



MidWestTech | New Holland High, Extra Capacity Varifeed Grain Header Operator's Ma... Order the manual at mid-west-tech.com >