IXTHIS.COM

4206F / 4206R
4208F / 4208R
4212F / 4212R
4406F / 4406R
4408F / 4408R
4412F / 4412R
4416R
Corn Header

SERVICE MANUAL

Part number 47869954
2nd edition English
May 2015
Replaces part numbers 47601951 and 47705757

CASE IH AGRICULTURE

Contents

INTRODUCTION

Hydraulic systems 35

[35.910] Head and header hydraulic drive 35.1

[35.603] Deck plate hydraulic system 35.2

[35.660] Flip-up header 35.3

[35.000] Hydraulic systems 35.4

Electrical systems 55

[55.000] Electrical system 55.1

[55.100] Harnesses and connectors 55.2

[55.421] Feeding control system 55.3

[55.408] Warning indicators, alarms, and instruments 55.4

Attachments/Headers 58

[58.130] Attachment/Header frame 58.1

[58.120] Attachment/Header feed auger 58.2

[58.220] Corn header structure 58.3

[58.218] Corn header feeder structure 58.4

[58.228] Rotating dividers 58.5

[58.230] Stalk choppers 58.6

[58.408] Row-independent header guards and protection 58.7

[58.414] Row-independent header gearboxes 58.8

[58.428] Row-independent header rotating dividers 58.9

[58.100] Attachment/Header support and drives 58.10

[58.208] Corn header shields and guards 58.11

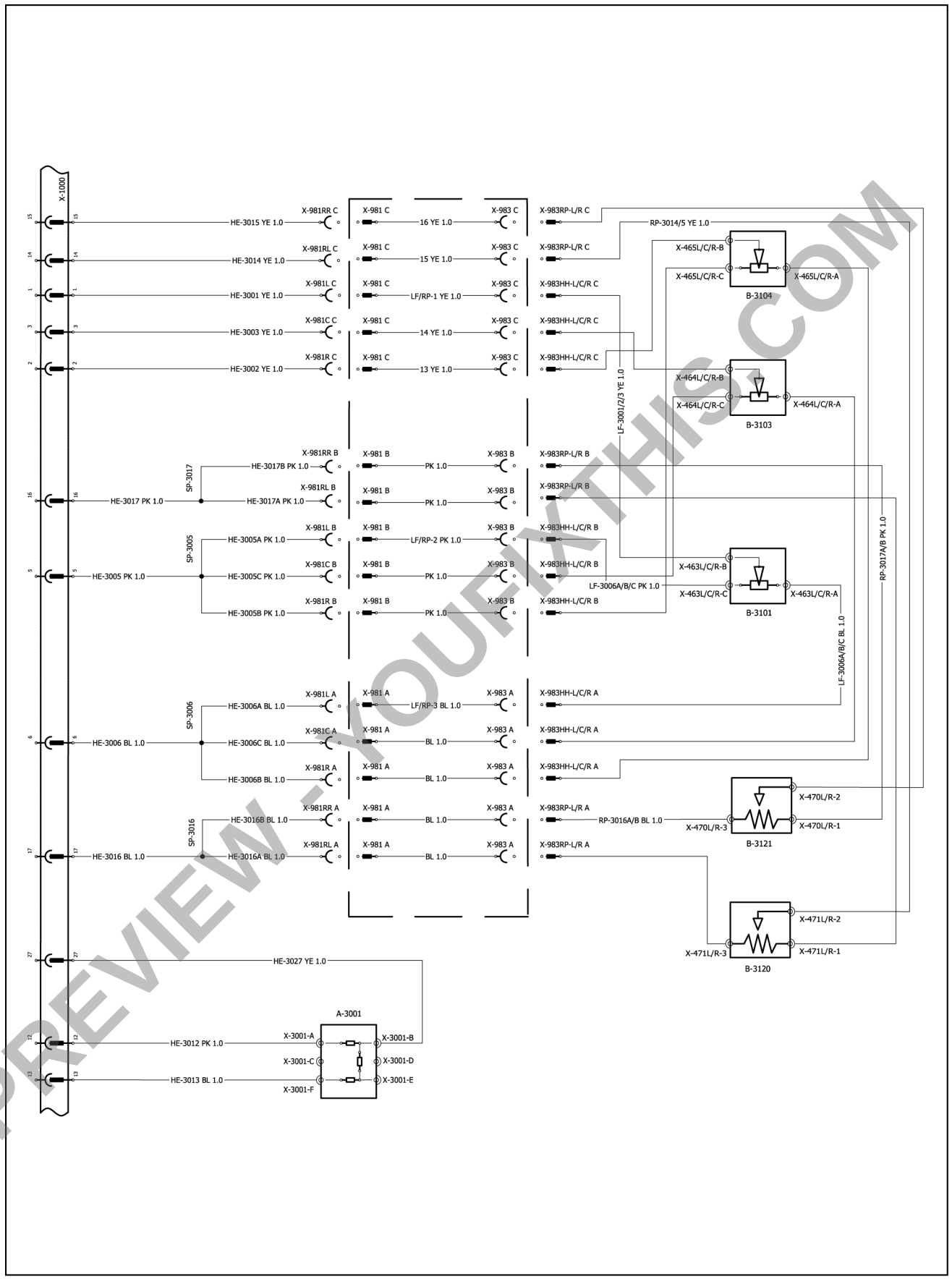
[58.224] Header drive 58.12

Product feeding 60

[60.122] Length-of-cut gearbox 60.1

Download full manual at youfixthis.com

PREVIEW - YOUFIXTHIS.COM

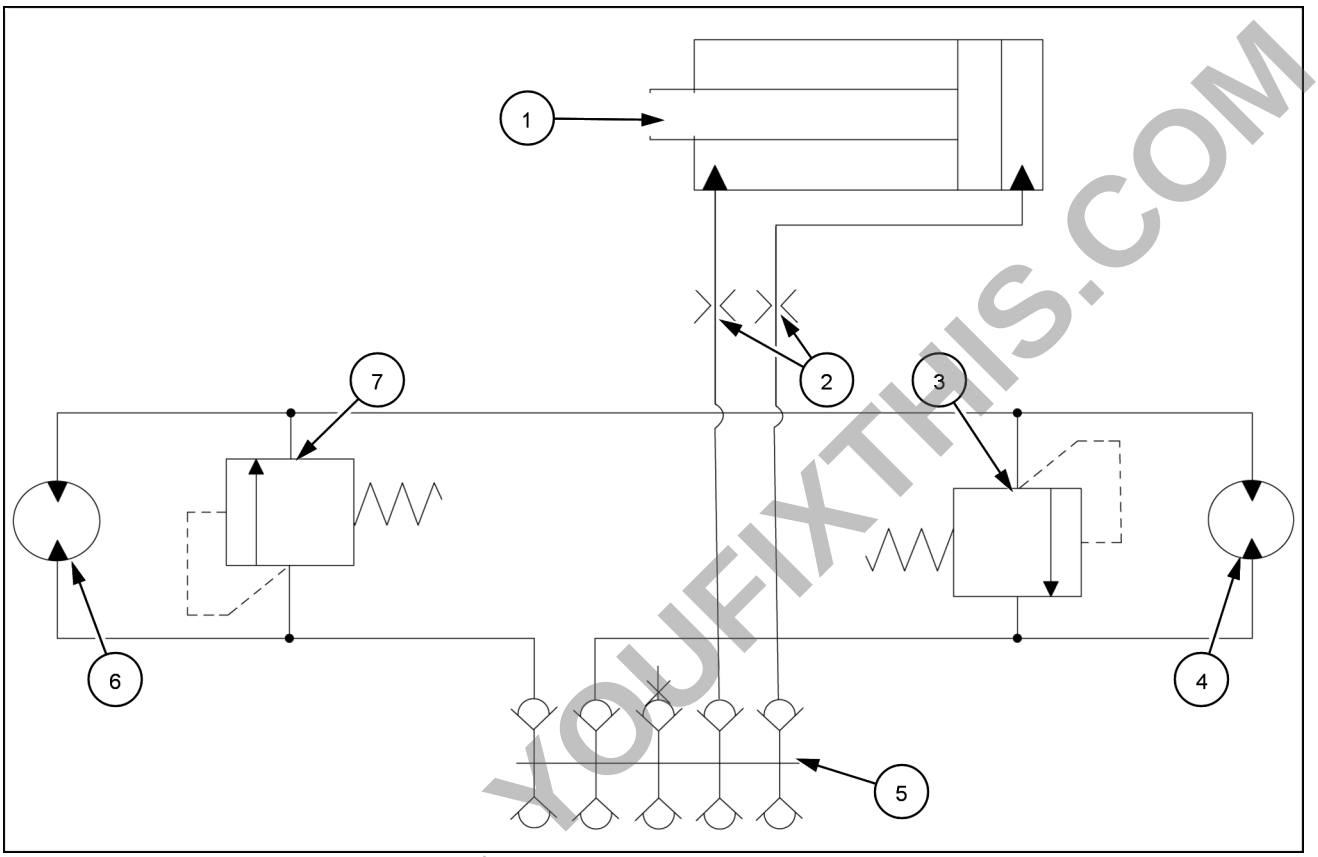


ZEIL14MH00033HA 1

PREVIEW - YOUFIXTHIS.COM
Download full manual at youfixthis.com

Hydraulic systems - Hydraulic schema - Rigid

4206R	
4208R	
4212R	
4406R	
4408R	
4412R	



ZEIL14MH00034FZ 1

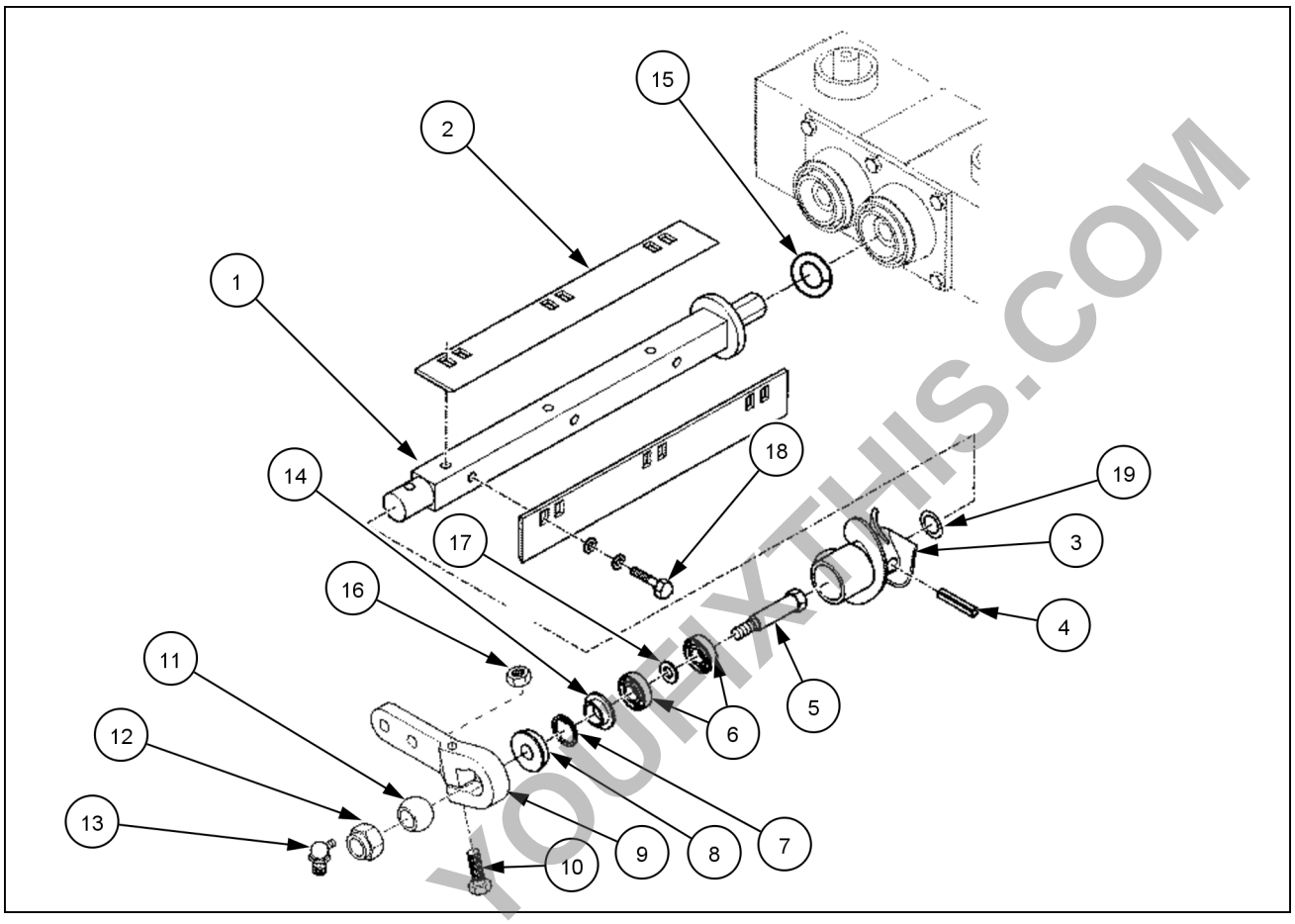
Reference	Component	Reference	Component
1	Deck plates cylinder	5	Quick-coupler
2	Orifice, **0.7 mm**	6	Left-Hand (LH) side auger divider motor
3	Right-Hand (RH) side auger divider pressure relief valve	7	LH side auger divider pressure relief valve
4	RH side auger divider motor		

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Snapper unit - Exploded view

4200 Series Corn Headers	
4400 Series Corn Headers	



73071532A 1

Stalk roll

ITEM	QTY	DESCRIPTION	ITEM	QTY	DESCRIPTION
1	1	Shaft	11	1	Ball joint
2	4	Knife	12	1	M16 lock nut
3	1	Spiral	13	1	**90 °** grease fitting
4	1	M12 x 55 mm spring pin	14	1	Flange
5	1	Bolt, drilled	15	1	Seal
6	2	Bearing	16	1	M12 lock nut
7	1	Spring clip	17	1	Washer
8	1	Bushing	18	12	M12 x 1.25 x 25 mm bolt, washer, and spring lock washer
9	1	Support	19	1	O-ring
10	1	M12 x 75 mm bolt			

NOTE: *There are two stalk rolls per row unit. Double all quantities per row unit.*

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Torque - Minimum tightening torques for normal assembly

4200 Series Corn Headers	
4400 Series Corn Headers	

NOTE: *In the metric tables, nominal sizes M4 through M8 hardware torque specifications are shown as a Newton meters (pound-inches) numerical value.*
Nominal sizes M10 through M24 hardware torque specifications are shown as a Newton meters (pound-feet) numerical value.

Metric non-flanged hardware

Plain (PLN) an unplated hardware finish with residual manufacturing oils
Zinc-dichromate (ZND) – a yellow colored chemical plating formula yellow applied to the hardware

Nominal size	Class (CL) 8.8 bolt and Class (CL) 8 nut	Class (CL) 10.9 bolt and Class (CL) 10 nut	Locknut CL 8 w/CL 8.8 bolt	Locknut CL 10 w/CL 10.9 bolt
	PLN and ZND	PLN and ZND	ZND	ZND
	N·m (lb in)	N·m (lb in)	N·m (lb in)	N·m (lb in)
M4	2.9 (26)	4.2 (37)	2 (18)	2.9 (26)
M5	5.9 (52)	8.5 (75)	4 (36)	5.8 (51)
M6	10.1 (89)	14.5 (128)	6.8 (60)	10 (89)
M8	24.5 (217)	35.1 (311)	17 (151)	24 (212)
	N·m (lb ft)	N·m (lb ft)	N·m (lb ft)	N·m (lb ft)
M10	48.7 (36)	69.5 (90)	33 (25)	48 (35)
M12	85 (63)	121 (67)	58 (43)	83 (61)
M14	135 (100)	193 (142)	92 (68)	132 (97)
M16	210 (155)	301 (222)	143 (106)	205 (151)
M18	299 (221)	414 (305)	203 (150)	281 (207)
M20	425 (313)	587 (433)	290 (214)	400 (295)
M24	735 (542)	1016 (749)	501 (370)	693 (510)

Metric flanged hardware

Plain (PLN) – an unplated hardware finish with residual manufacturing oils
Zinc-dichromate (ZND) – a yellow colored chemical plating formula yellow applied to the hardware

Nominal size	Class (CL) 8.8 bolt and Class (CL) 8 nut	Class (CL) 10.9 bolt and Class (CL) 10 nut	Locknut CL 8 w/CL 8.8 bolt	Locknut CL 10 w/CL 10.9 bolt
	PLN and ZND	PLN and ZND	ZND	ZND
	N·m (lb ft)	N·m (lb ft)	N·m (lb ft)	N·m (lb ft)
M4	3.2 (28)	4.6 (41)	2.2 (19)	3.1 (27)
M5	6.5 (58)	9.4 (83)	4.4 (39)	6.4 (57)
M6	11.1 (98)	15.9 (141)	7.5 (66)	11 (96)
M8	27 (239)	39 (345)	18 (163)	27 (240)
	N·m (lb ft)	N·m (lb ft)	N·m (lb ft)	N·m (lb ft)
M10	53.6 (40)	76.5 (56)	37 (27)	53 (39)
M12	93 (69)	134 (98)	63 (47)	91 (67)
M14	148 (109)	213 (157)	101 (75)	145 (107)
M16	231 (171)	331 (244)	158 116)	226 (167)
M18	329 (243)	455 (336)	223 (165)	309 (228)
M20	467 (345)	645 (476)	318 (235)	440 (325)
M24	809 (597)	1118 (824)	552 (407)	

PREVIEW - YOUFIXTHIS.COM

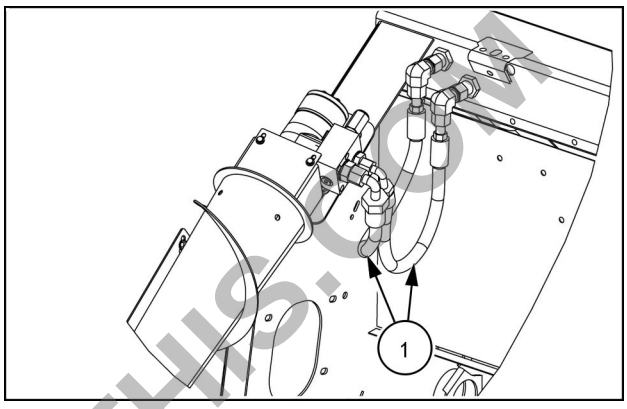
Download full manual at youfixthis.com

Rotating dividers - Remove - Motor

4200 Series Corn Headers	
4400 Series Corn Headers	

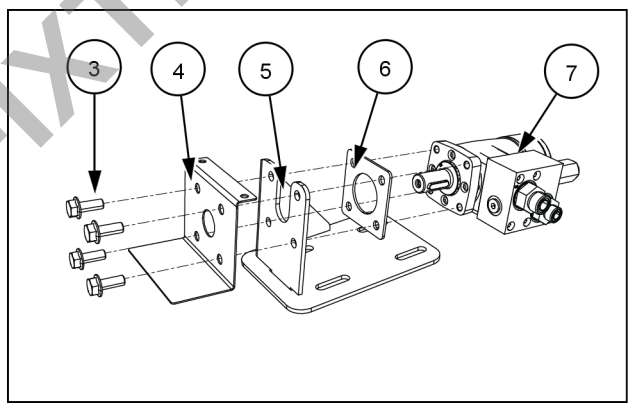
Prior operation:
Rotating dividers - Remove (58.228).

1. Disconnect two hydraulic hoses **(1)** from auger motor.



NHIL13GH00330AA 1

2. Loosen the jam nut and set screw to allow the coupling to slide off motor shaft.
3. Remove four flange bolts **(3)** from the shield **(4)**, support **(5)**, spacer **(6)** and auger motor **(7)**.
4. Remove the auger motor.



NHIL13GH00331AA 2

Next operation:
Rotating dividers - Disassemble - Motor (58.428).

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Attachments/Headers - Basic instructions

4200 Series Corn Headers	
4400 Series Corn Headers	

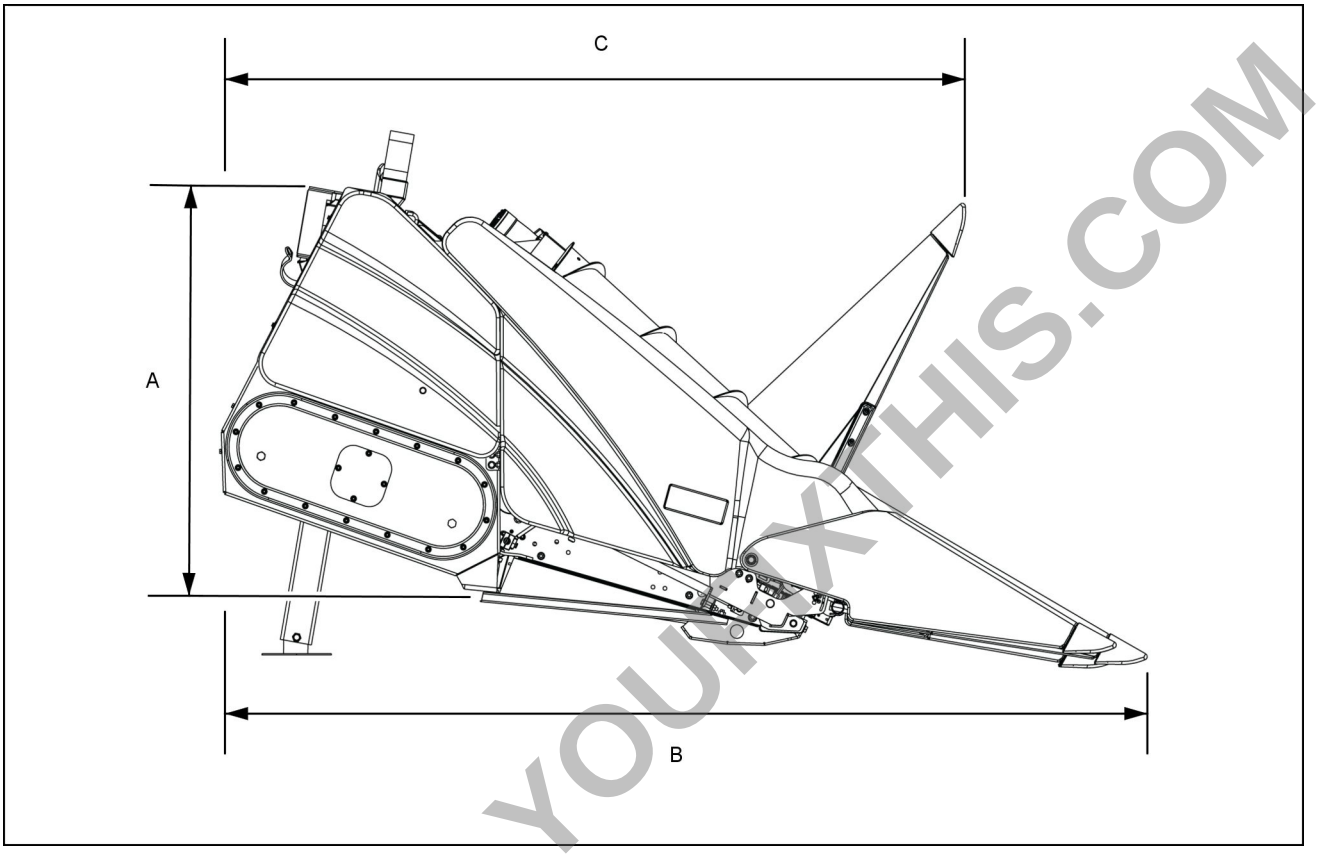
Concern	Possible cause	Correction
Loss of corn ears	Incorrect forward speed.	Synchronize forward speed with the speed of stalk rollers and gathering chains
	Incorrect gathering chain and stalk roller speed	Synchronize forward speed with the speed of stalk rollers and gathering chains, or set a different speed by replacing the drive sprocket, changing feeder jackshaft speed.
	Harvesting header set too high.	Lower the header to harvest all corn ears
	Unaligned harvesting units with crop rows	Always drive in the center of the corn rows and avoid sudden steering maneuvers that could cause stalk undulations
	Unaligned or irregular crop rows	Proceed at slow speed within the concerned area, setting the header height at about **200 mm** (**7 7/8 in**)below the corn ears
	Inter-row spacing of header not matching with the crop spacing	Correct spacing of row units to match planted rows or select a different corn head with correct spacing.
	The operator is not following the crop rows in the order in which they were sown	Follow the rows in the order they were sown
	Corn ears slide out of hoods and fall in front of the header	Check the conditions of the ear deflectors; replace the damaged ones
Crop losses due to rubbing on stalk rollers	Deck plates too far open	Reduce the deck plate clearance, lower the header so that the harvesting points are just below the corn ears
Stalks get stuck in one or more row units	Deck plates too close.	Open the deck plates slightly, until the stalks pass freely.
The corn stalks enter the machine.	Deck plates set too close	Open the deck plates a little at a time, until the stalks pass freely
	Too high forward speed with respect to the rotation speed of gathering chains and stalk rollers	Reduce the forward speed and adjust it to the special crop conditions, or increase the gathering chain and stalk roller speed
	The header front is too low	Lift the header, so that the stalk rollers do not operate in the stalk lowermost part
	Down crop.	For down crops, increase the clearance between front ends of stalk rollers by **1 - 2 mm** (**5/128 - 5/64 in**)
Uneven crop feed.	Stalks breaking in the deck plates or stalk rollers	Correctly adjust the deck plate opening. Check the stalk roller synchronization
	The operator is not following the crop rows in the order in which they were sown	Follow the rows in the order they were sown
	Too high forward speed	Reduce the forward speed
	Incorrect gathering chain and stalk roller speed	Adjust the forward speed with the gathering chain and stalk roller speed, depending on the ground and crop conditions. Adjust the gathering chain and stalk roller speed through the suitable sprockets
	Material wrapped around the stalk rollers	Adjust the stalk roller blades and/or weed knives
	Worn stalk roller blades	Replace the blades
Tops coming into the head	Green crop	Increase head speed, Decrease ground speed
	Stalks cut just below ear	Increase spacing between stalk rolls
Stalks hairpin at rear of row unit	Ground speed too fast	Reduce ground speed

Download full manual at youfixthis.com

General specification

4200 Series Corn Headers	
4400 Series Corn Headers	

Rigid Header



NHIL15GH00176FA 1

Configura-tion	"Overall Length"	Dimension (A) -Height		Dimension (B) -Transport Width		Dimension (C) -Working Length	
		Chop	Non-Chop	Chop	Non-Chop	Chop	Non-Chop
6R30	4870	1229	1258	2200	2272	3010	2993
8R30	6394	1229	1258	2200	2272	3010	2993
12R30	9442	1229	1258	2200	2272	3010	2993
6R36	5682	1229	1258	2200	2272	3010	2993
6R38	5836	1229	1258	2200	2272	3010	2993
8R36	7511	1229	1258	2200	2272	3010	2993
8R38	7766	1229	1258	2200	2272	3010	2993
16R30	12486	N/A	1240	N/A	2282	N/A	3012
Dimensions given in mm							

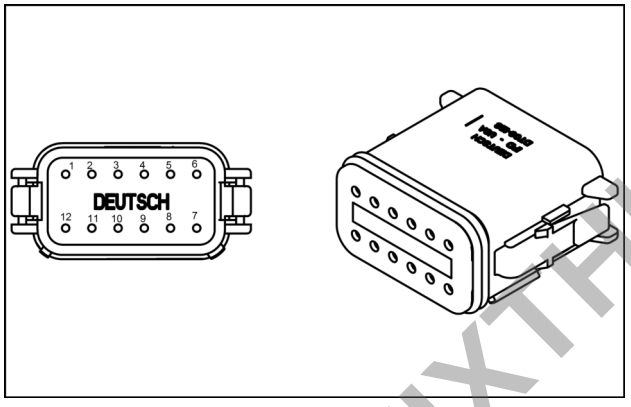
PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Wire connectors - Component diagram 03 – Connectors X-030 to X-039

4206R	
4208R	
4212R	
4406R	
4408R	
4412R	
4416R	

X-032 - Header main harness to top beam harness (87696075) (Female)

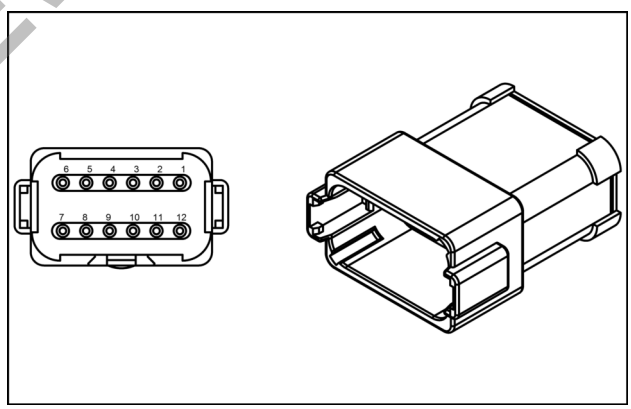


87696075 1

87696075

Pin	From	Wire	Description	Color-Size	Frame
1	**X-920 (Male) pin 1**	HE-3001		YE-1.0	Not shown on schematics
2	**X-920 (Male) pin 2**	HE-3002		YE-1.0	
3	Splice SP-3005A	HE-3005AA		PK-1.0	
4	Splice SP-3005A	HE-3005AB		PK-1.0	
5	Splice SP-3006A	HE-3006AA		BL-1.0	
6	Splice SP-3006A	HE-3006AB		BL-1.0	
7	**X-920 (Male) pin 22**	HE-3022		VT-1.0	
8	**X-920 (Male) pin 28**	HE-3028		VT-1.0	
9	Splice SP-3030	HE-3030A		BK-1.0	
10	Splice SP-3030	HE-3030B		BK-1.0	

X-032 - Top beam harness to header main harness (84122362) (Male)



84122362 2

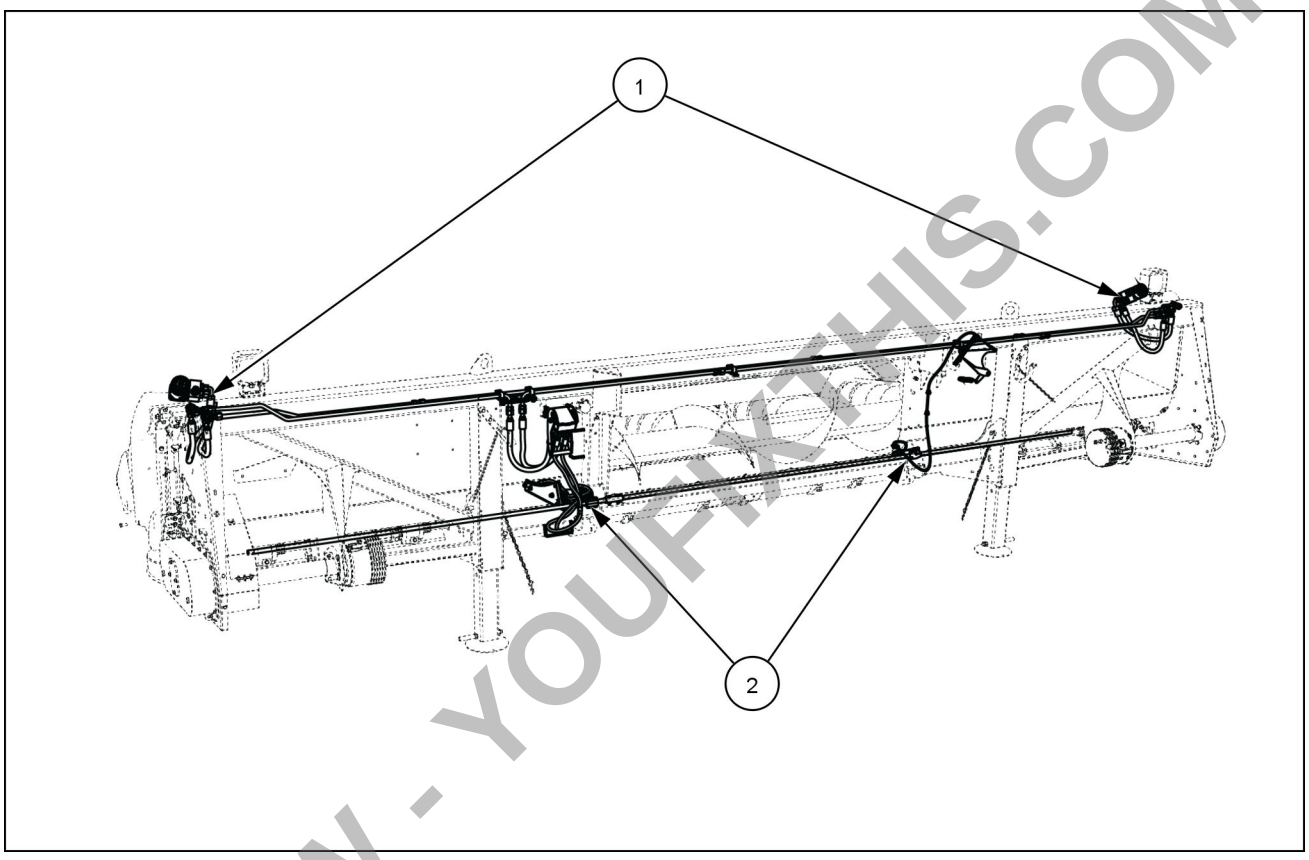
84122362

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Hydraulic systems - Component localization - Rigid hydraulic systems

4206R	
4208R	
4212R	
4406R	
4408R	
4412R	
4416R	



NHIL15GH00014FA 1

Reference	Description	Reference	Description
1	Hydraulic auger divider motor	2	Hydraulic deck plate adjustment

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

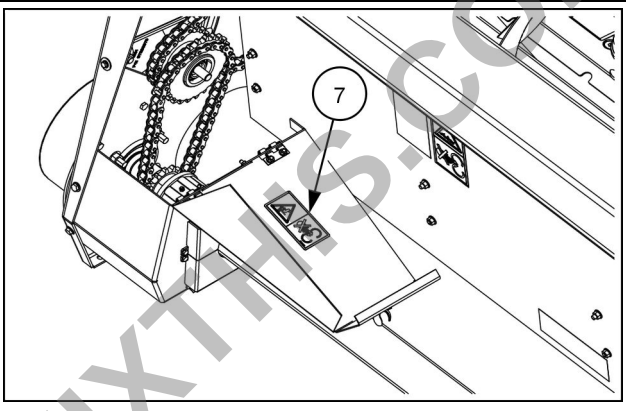
WARNING
Shield is open.
Stand clear.
Replace or close shield before operating machine.
Failure to comply could result in death or serious injury.

Quantity: 2
84011345



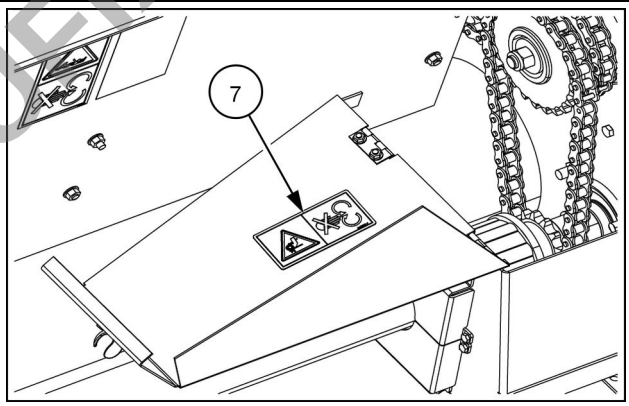
84011345_A 37

(7) Inside the LH auger drive shield.



NHIL14GH00309AA 38

(7) Inside the RH auger drive shield.



NHIL14GH00330AA 39

PREVIEW - YOUFIXTHIS.COM

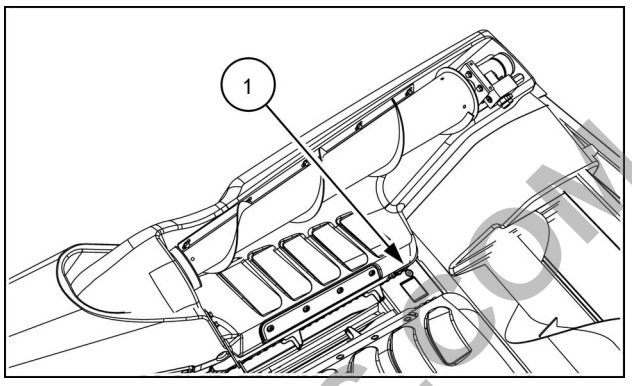
Download full manual at youfixthis.com

Capacities

4200 Series Corn Headers	
4400 Series Corn Headers	

Stalk roll gearbox

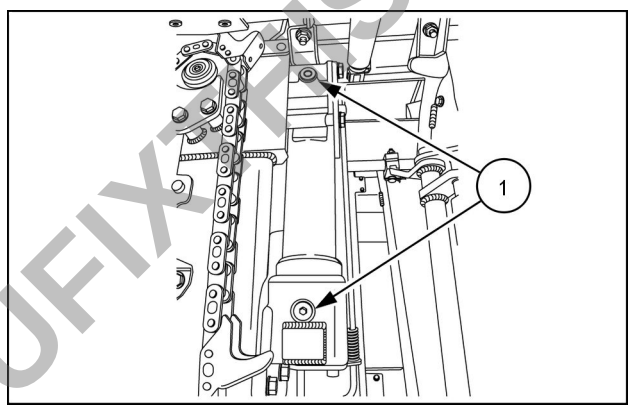
1. **2.2 L** (**2.3 US qt**) of **CASE IH AKCELA GEAR 135 H EP 80W-90** or **CASE IH AKCELA GEAR LUBE SSL 75W90**.



NHIL13GH00222AA 1

Stalk chopper gearboxes

1. Front: **0.70 L** (**0.74 US qt**) of **CASE IH AKCELA GEAR 135 H EP 80W-90** or **CASE IH AKCELA GEAR LUBE SSL 75W90**.
2. Rear: **0.30 L** (**0.32 US qt**) of **CASE IH AKCELA GEAR 135 H EP 80W-90** or **CASE IH AKCELA GEAR LUBE SSL 75W90**.



NHIL13GH00510AA 2

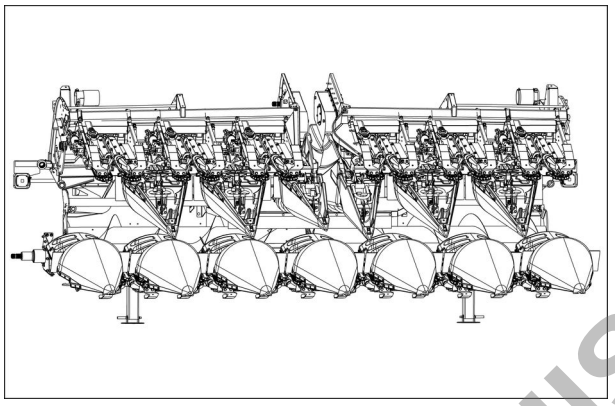
PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Flip-up header - Overview

4200 Series Corn Headers	
4400 Series Corn Headers	

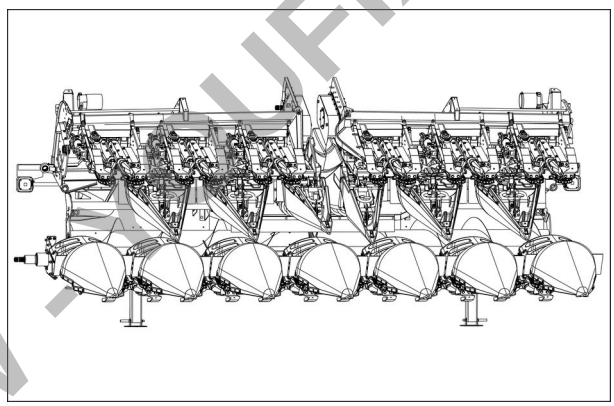
12–row folding corn headers allow the operator to travel on public roads with the header folded.



NHIL13GH00446AA 1

Before any transfer of the machine on public roads, proceed as follows.

1. Turn the selector in the combine cab to the "transport mode" (refer to the operator's manual of the combine).
2. Start the engine.
3. Close the header in the transport position.



NHIL13GH00446AA 2

The opening and closing of the folding corn header is done by using hydraulics. When the selector is switched to transport mode, the hydraulic pump is turned on and pumps oil to the Left-Hand (LH) and Right-Hand (RH) lock cylinders that unlatches the locking mechanism that secures the folding heads in its unfolded position.
As the oil flows to the lock cylinders they become energized, the oil starts to build pressure and continues in the hydraulic circuit to the LH and RH Open/Close cylinders.
As the oil flows to the Open/Close cylinders, it passes through restrictors (orifices) built into the cylinders allowing for a smooth transition as the cylinders open and close. As long as the selector is switched to transport (road) mode, the hydraulic circuit stays energized to allow transporting of the corn header.

To unfold the corn header, proceed as follows.

1. Turn the selector in the combine cab to the "field mode" (refer to the operator's manual of the combine).
2. Start the engine.
3. Open the corn header in the field position.

As the cylinders extend, the oil is being diverted back to the hydraulic tank through the circuit. When the cylinders are fully extended and the corn header is completely open, the locking latches springs close to secure the open position of the corn header.

Download full manual at youfixthis.com
PREVIEW - YOUFIXTHIS.COM

Electrical system - Overview - Potentiometer

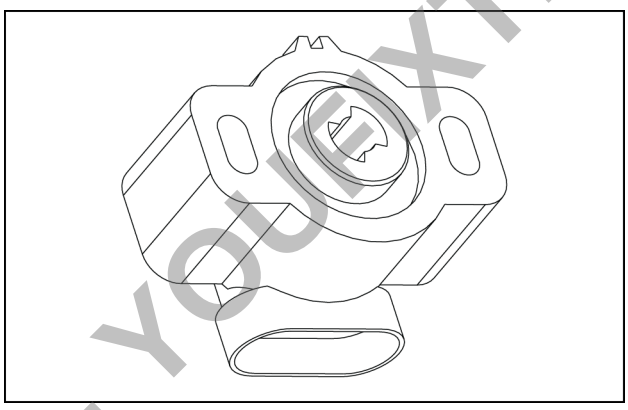
4200 Series Corn Headers	
4400 Series Corn Headers	

Potentiometers are used on the corn header to provide header height and tilt information to the combine control module(s). Unlike switches, which are used to provide digital input (on or off type of signal), potentiometers provide an analog input (variable type of signal). This allows precise monitoring and positioning of the height and tilt of the corn header.

To check the operation of the potentiometers, disconnect the potentiometer from the electrical circuit. Use a multimeter to measure resistances. Potentiometers are three-wire devices. Typically a source voltage is connected to one of the pins attached to the stationary (fixed contact) resistive component of the potentiometer and reference ground to the other while the signal is taken from the pin attached to the wiper (movable contact).

First, measure the resistance across the full range of the potentiometer. Next, measure the resistance of the pins pins attached to the stationary (fixed contact) resistive component of the potentiometer. Finally, measure the resistance from either end to the pin attached to the wiper (movable contact). In the latter test, the resistance value should change, continuously and smoothly, as the wiper is manually moved. As the resistance varies with temperature, the test specifications are usually given at **20 °C** (**68 °F**).

In the latter test, the resistance value should change, continuously and smoothly, as the wiper is manually moved. As the resistance varies with temperature, the test specifications are usually given at **20 °C** (**68 °F**).



NHIL14GH00686AA 1

Potentiometer Adjustment

The height and tilt potentiometers are adjustable in their mounting positions to take up tolerances in other parts. When installing potentiometers, it is important to ensure that the potentiometers do not bottom out in either direction to prevent damage. Most potentiometers have slotted mounting holes to allow some adjustment. Before tightening the mounting hardware, operate the attaching linkage fully in both directions to confirm proper potentiometer positioning.

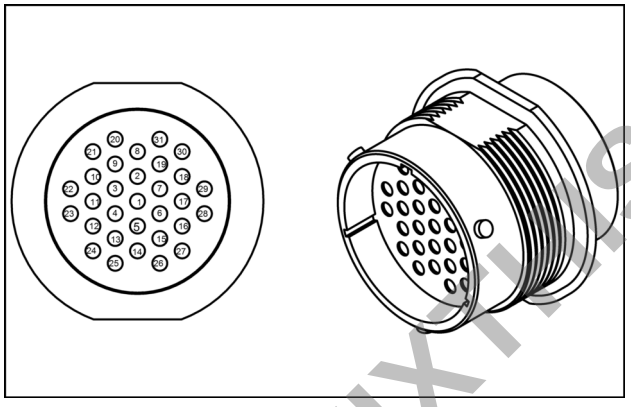
PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Wire connectors - Component diagram 92 – Connectors X-920 to X-929

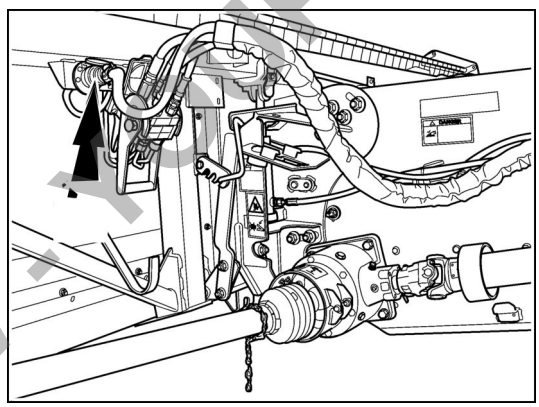
4206R	
4208R	
4212R	
4406R	
4408R	
4412R	
4416R	

X-920 - Header harness to combine connector (87703820) (Male)



87703820 1

87703820



10031256A4 2

Connector X-920 is at the rear of the header, near the hydraulic connector.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Expected Result	**Result** Continuity is measured between the specified pin and the combine connector pin 27, **Action** leave the header type module out of its connector, attach the combine connector to the header, place the combine Key switch in the ON position and Go to test **10**
Other Result (Possible Cause)	**Result** If there is no continuity between the specified pin and the combine connector pin 27, the signal wire is broken. **Action** Locate and repair the damage to the conductor, then retest the system for proper operation.

Test N°10	
Test Point	**Condition** With the header attached to the combine and the combine Key switch in the ON position, **Check** use a multimeter to check for **5.0 V**, at the header type module connector, from the reference power pin specified in the pinout table provided in **Header feeding sensor Header type module - Overview (55.421)** to chassis ground.
Expected Result	**Result** **4.5 - 5.5 V** is measured between the specified pin and chassis ground, the header type module and configured wiring has all tested properly. The failure in the system is either intermittent or in the combine circuitry or control module. **Action** Refer to the appropriate combine service manual to locate and repair the fault condition.
Other Result (Possible Cause)	**Result** Greater than **5.5 V** is measured between the specified pin and chassis ground, there is a short to high voltage in the reference power circuit. **Action** Place the combine Key switch in the OFF position, disconnect the header from the combine at the combine to header connector, remove the header type module from its connector and Go to test **11**

Test N°11	
Test Point	**Condition** With the combine to header connector disconnected and the header type module removed from its connector, **Check** use a multimeter to measure the resistance between the header side of the combine to header connector pin 27 and all other populated pins in the combine to header connector on the header side.
Expected Result	**Result** Infinite resistance is measured from pin 27 to all other populated pins, the short to high voltage source in the reference power circuit is in the combine circuitry. **Action** Refer to the appropriate combine service manual to locate and repair the fault condition.
Other Result (Possible Cause)	**Result** Less than infinite resistance is measured from pin 27 to one or more of the other populated pins, the short to high voltage source in the reference power circuit is on the header. **Action** Locate and repair the damage to the affected conductors, then retest the system for proper operation.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Index

Attachments/Headers - 58

Attachment/Header feed auger - 120

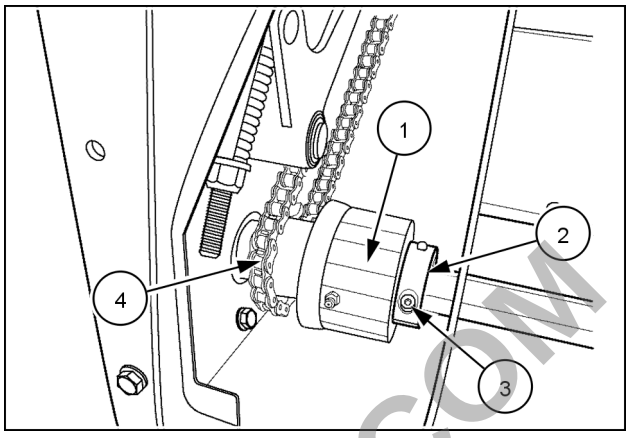
Feed auger - Install (*) 15
Feed auger - Remove (*) 12
Feed auger Central section - Exploded view - Folding central section (*) 3
Feed auger Central section - Install - Central section (*) 6
Feed auger Central section - Remove - Central section (*) 5
Feed auger Folding section - Exploded view - Folding section (*) 4
Feed auger Folding section - Install - Folding section (*) 10
Feed auger Folding section - Remove - Folding section (*) 8
Feed auger drive chain Drive sprocket - Install (*) 19
Feed auger drive chain Drive sprocket - Remove (*) 18

PREVIEW - YOUFIXTHIS.COM

(*) See content for specific models

Download full manual at youfixthis.com

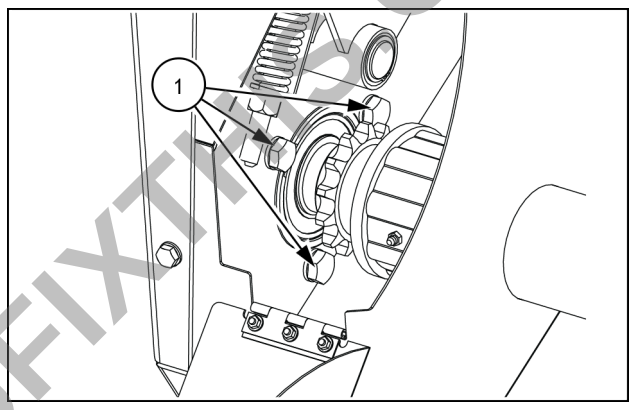
14. Remove two M8 x 35 mm hex socket screws and lock washers **(3)** to remove the two clamps **(2)** from the shaft.
15. Remove the feed auger drive chain **(3)** to free up the slip clutch.



73075217A 8

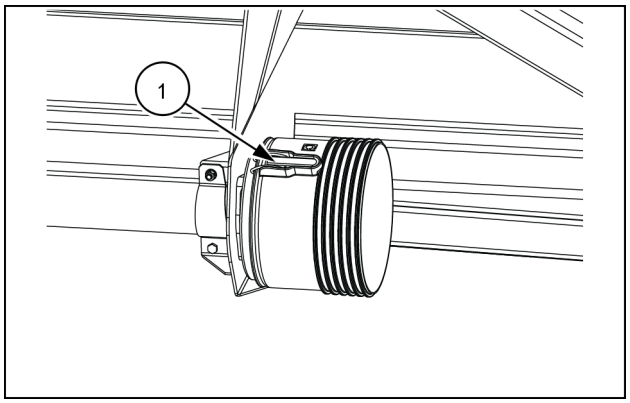
16. Remove three M12 x 20 mm bolts and lock washers **(1)** that secure the bearing housing to the corn header side sheet.

NOTE: *The drive shaft can be pulled from the feed auger slip clutch without disassembling the sprocket **(1)** from the hub **(2)** or the hub and sprocket from the shaft. Refer to Figure **12**.*



NHIL14GH00649AA 9

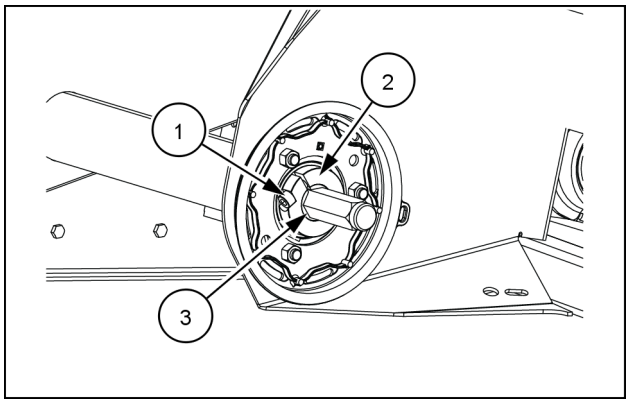
17. Unlatch and remove the cone shield **(1)**.



NHIL14GH00651AA 10

18. Remove the M10 x 45 mm hex socket screw **(1)** from the locking ring **(2)**.
19. Remove the locking ring **(2)** from the bushing **(3)**.

NOTE: *May be easier to remove after completing step **20**.*



NHIL14GH00652AB 11

PREVIEW - YOUFIXTHIS.COM

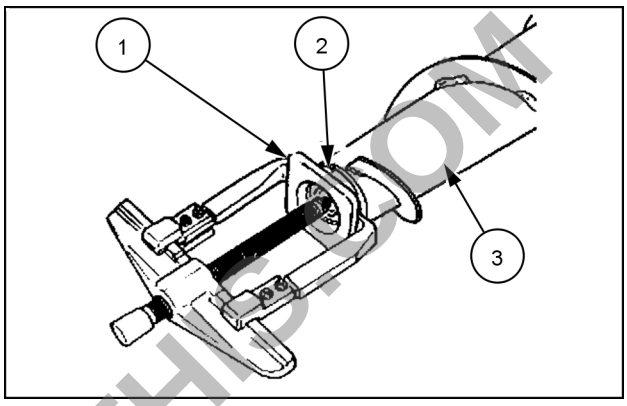
Download full manual at youfixthis.com

Rotating dividers - Disassemble

4200 Series Corn Headers	
4400 Series Corn Headers	

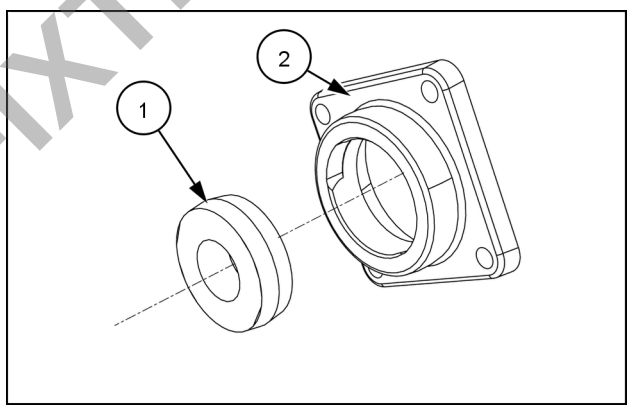
Prior operation:
Rotating dividers - Remove - Motor (58.428).

1. Use a gear puller to remove the bearing housing **(1)** and the bearing **(2)** from the rotating divider **(3)**.



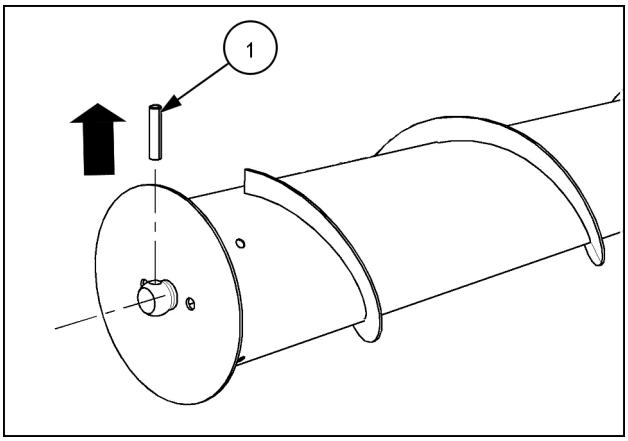
ZEIL06MH0061A0B 1

2. Remove the bearing **(1)** from the bearing housing **(2)**.



NHIL13GH00391AA 2

3. Use a hammer to remove the spring pin **(1)** from the rotating divider.



20096579 3

Next operation:
Rotating dividers - Assemble (58.228).

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Attachments/Headers - 58

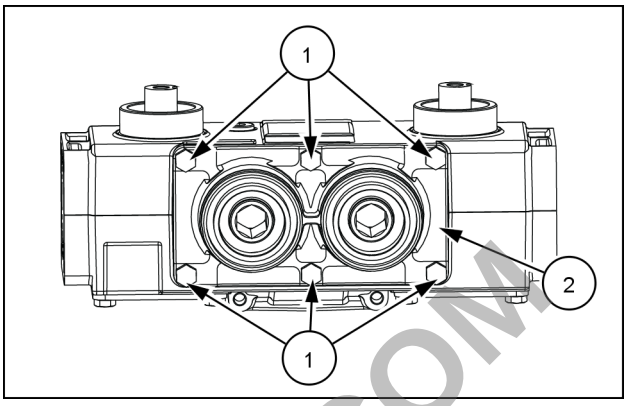
Row-independent header guards and protection - 408

4206F , 4206R , 4208F , 4208R , 4212F , 4212R , 4406F , 4406R , 4408F , 4408R , 4412F , 4412R , 4416R

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

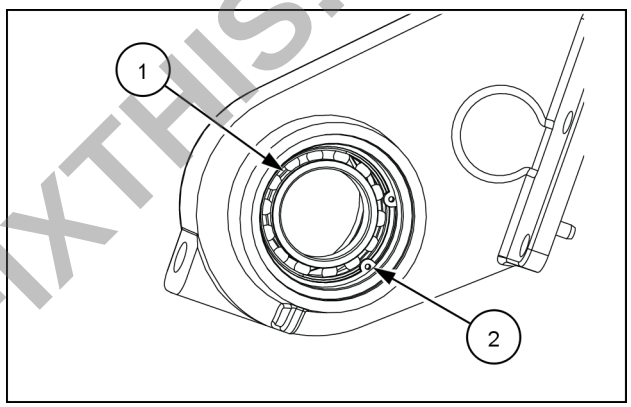
34. Apply a bead of sealant **LOCTITE® 573™** around the edges of the mating surfaces of the stalk roll housing **(2)**.
35. Install the stalk roll housing **(2)** to the gearbox.
36. Secure with six M12 x 30 mm bolts **(1)**.
37. Tighten the M12 x 30 mm bolts **(1)** to **100 - 110 N·m** (**74 - 81 lb ft**).



NHIL14GH00631AA 19

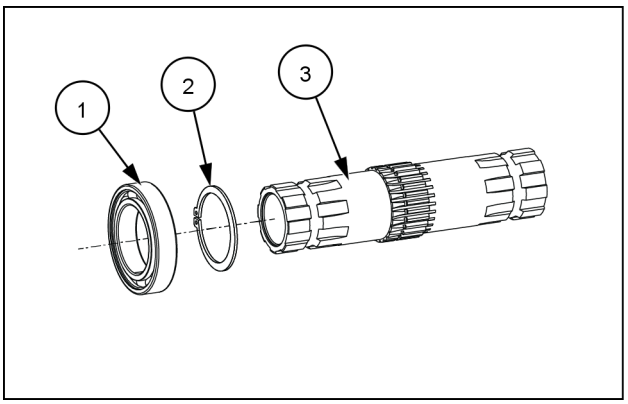
Angle drive

38. Install the ball bearing **(1)** on the right-hand side of the angle drive housing.
39. Secure the ball bearing in place with the internal retaining ring **(2)**.



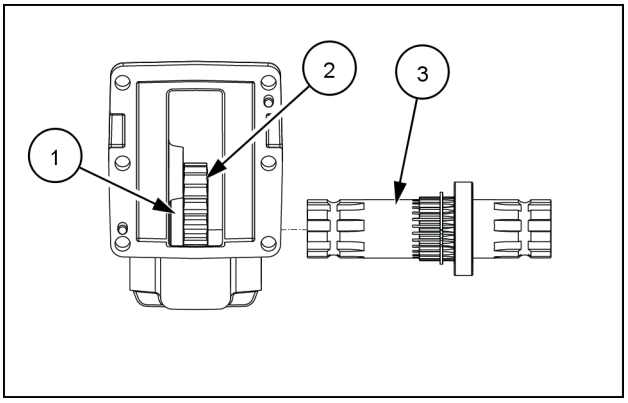
NHIL14GH00695AA 20

40. Install the external retaining ring **(2)** on shaft **(3)**.
41. Install the ball bearing **(1)** on shaft **(3)** against shoulder closest to external retaining ring **(2)**.



NHIL14GH00636AA 21

42. Install the shaft **(3)** into the left-hand side of angle drive housing and through the 23T spur gear **(2)** and spacer **(1)** until tight against the right-hand ball bearing.



NHIL14GH00696AA 22

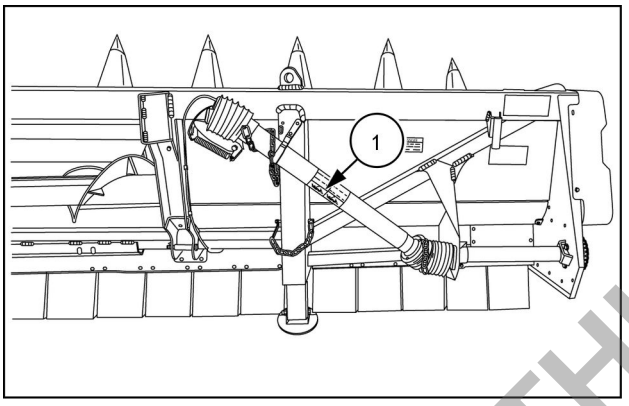
PREVIEW - YOUFIXTHIS.COM
Download full manual at youfixthis.com

Power Take-Off (PTO) shaft - Overview

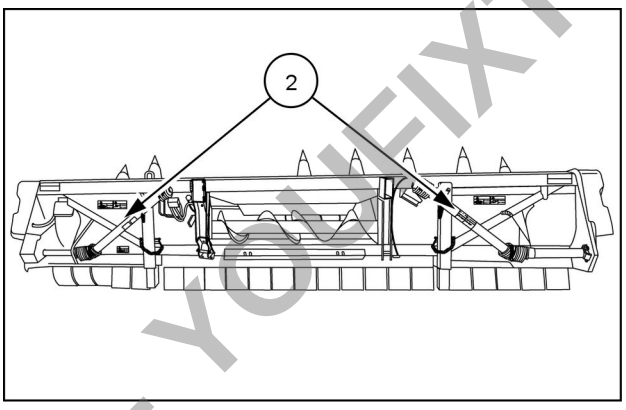
4200 Series Corn Headers	
4400 Series Corn Headers	

NOTE: *The left-hand side and right-hand side are determined by standing behind the unit facing the direction of travel.*

The chopping corn heads are driven from the combine feeder using a double universal joint PTO drive shaft **(1)**. The headers have one drive shaft **(2)** on each side of the header.



NHIL13GH00470AA 1



NHIL13GH00469AA 2

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Slip clutch - Inspect - Row unit drive internal components

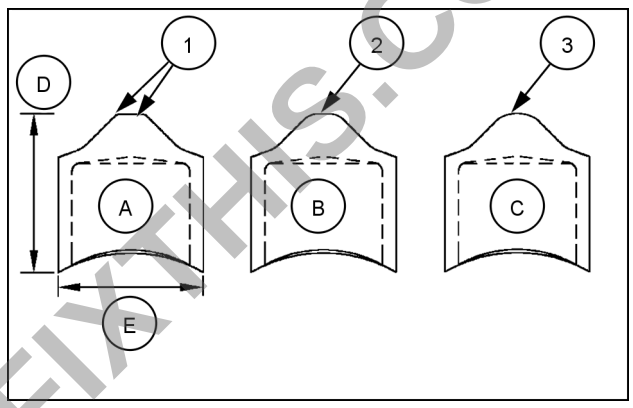
4200 Series Corn Headers	
4400 Series Corn Headers	

Component Inspection

NOTE: *For best renewed clutch performance, rebuild the slip clutch with all new springs and cam pins. Some or all components can be inspected and reused if they meet the specifications below, but performance longevity and torque slippage is compromised.*

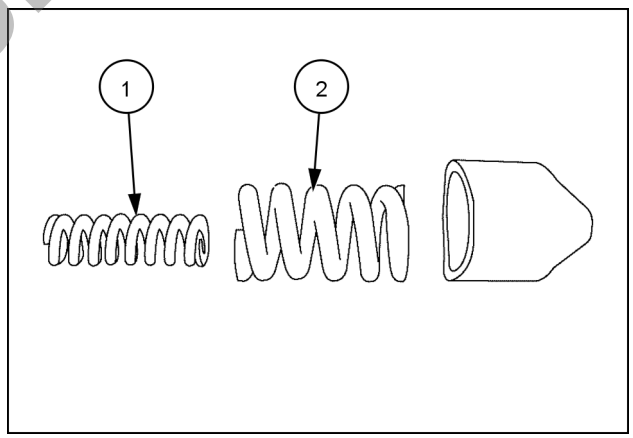
1. Clean all parts in a suitable cleaning solvent and air dry.
2. Inspect and replace all internal parts that indicate excessive wear, damage, or discoloration from heat.
3. Use a **0 - 25 mm** (**0 - 1.0 in**) Micrometer to measure the cam pin specifications:
   - Height **(D)** = **15.5 - 17.5 mm** (**0.61 - 0.69 in**). The contact surface should have distinct edges as indicated by **(1)**.
   - Outside Diameter **(E)** = **16 mm** (**0.63 in**)
     The pin body cylinder **(E)** should be round, not oblong.

NOTE: *Cam pins are the most common replacement clutch component. The contact surfaces are indicated by **(1) (2)**, and **(3)** show varying degrees of wear from new **(A)**, moderate wear **(B)**, to excessively worn **(C)**.*



63075012 1

4. Inspect the inner springs **(1)** and outer springs **(2)** for heat discoloration or cracks.



73075011 2

Use a **0 - 25 mm** (**0 - 1.0 in**) Micrometer to measure the springs to ensure they meet the following dimensional specifications:

	Free height	Outside diameter
Inner spring	**23 mm** (**0.91 in**)	**7.1 mm** (**0.28 in**)
Outer spring	**22 mm** (**0.87 in**)	**13 mm** (**0.51 in**)

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

PREVIEW ONLY

You're viewing 25 of 516 pages

The full manual includes:

- All 516 pages, complete
- Searchable PDF (find any keyword)
- No watermarks
- Instant download
- Print-ready quality

GET FULL MANUAL NOW

Case IH 4206F, 4206R, 4208F, 4208R, 4212F, 4212R, 4406F, 4406R, 4408F, 4408R, 4412F, 4412R, 4416R, 4206F / 4206R, 4208F / 4208R, 4212F / 4212R, 4406F / 4406R, 4408F / 4408R, 4412F / 4412R, Corn Header Service Manual

Scan or click anywhere
youfixthis.com

Click anywhere on this page to get the full manual