TerraFlex™ 3020

Auger Header

SERVICE MANUAL

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CASE IH AGRICULTURE

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Contents

INTRODUCTION

Main gearbox and drive 14

[14.100] Main gearbox and drive 14.1

Clutch 18

[18.112] Slip clutch or flywheel damper 18.1

Hydraulic systems 35

[35.000] Hydraulic systems 35.1

[35.420] Reel vertical positioning system 35.2

[35.430] Reel fore-and-aft positioning system 35.3

Electrical systems 55

[55.000] Electrical system 55.1

[55.036] Hydraulic system control 55.2

[55.100] Harnesses and connectors 55.3

[55.404] External lighting 55.4

[55.421] Feeding control system 55.5

[55.661] Cab header controls 55.6

[55.675] Reel speed and position control 55.7

Attachments/Headers 58

[58.101] Attachment/Header reel 58.1

[58.105] Attachment/Header reel control system 58.2

[58.110] Attachment/Header cutting mechanism 58.3

[58.120] Attachment/Header feed auger 58.4

[58.130] Attachment/Header frame 58.5

Platform, cab, bodywork, and decals 90

[90.105] Machine shields and guards 90.1

[90.108] Decals and plates 90.2

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Contents

INTRODUCTION

Basic instructions - Important notice regarding equipment servicing 3
Personal safety 4
Safety rules - Ecology and the environment 7
Safety rules 8
Safety rules - Precautionary statements 9
Safety signs - Single drive 12
Safety signs - Double drive 20
Personal safety 28
Basic instructions - Shop and assembly 29
Torque - Minimum tightening torques for normal assembly 31
Torque - Standard torque data for hydraulics 36
Basic instructions - Chain Wear Tables - Roller Chains 38
General specification - General Welding 40
General specification - Machine specifications 41
Product identification 44
Frame - Product identification 45
3020, 3000 Series Grain Header

MidWestTech | Case TerraFlex 3020 Auger Header Service Manual | Publication 4762... Order the manual at mid-west-tech.com >

Contents

Main gearbox and drive - 14

Main gearbox and drive - 100

FUNCTIONAL DATA

Power Take-Off (PTO) shaft

Exploded view - PTO drive shaft 3

SERVICE

Main gearbox and drive

Install - Main drive 5

Tighten - Main shaft bearing 7

Service instruction 9

Change fluid 10

Power Take-Off (PTO) shaft

Remove 11

Install 13

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Component Name	Component ID	Frame Location	Connector(s)	Information	Diagnostics
Reel horizontal position sensor	R-24	Wire harnesses - Electrical schematic frame 01 (55.100)	X436	Electrical system - Overview Potentiometers (55.000) Reel speed and position control - General specification Reel position sensors (55.675)	Reel position sensor Horizontal position sensor - Testing - Reel horizontal position sensor (55.675)
Reel vertical position sensor	R-25	Wire harnesses - Electrical schematic frame 01 (55.100)	X437	Electrical system - Overview Potentiometers (55.000) Reel speed and position control - General specification Reel position sensors (55.675)	Reel position sensor Vertical position sensor - Testing - Reel vertical position sensor (55.675)
Right center height sensor	R-29	Wire harnesses - Electrical schematic frame 01 (55.100)	X1002	Electrical system - Overview Potentiometers (55.000) Cab header controls - General specification Height sensors (55.661)	Cab header controls - Testing - Right center height sensor (55.661)
Right-hand height/tilt sensor	R-13	Wire harnesses - Electrical schematic frame 01 (55.100)	X306	Electrical system - Overview Potentiometers (55.000) Cab header controls - General specification Height sensors (55.661)	Cab header controls - Testing - Right-hand height/tilt (55.661)

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External lighting - Testing - Right-hand flashing light

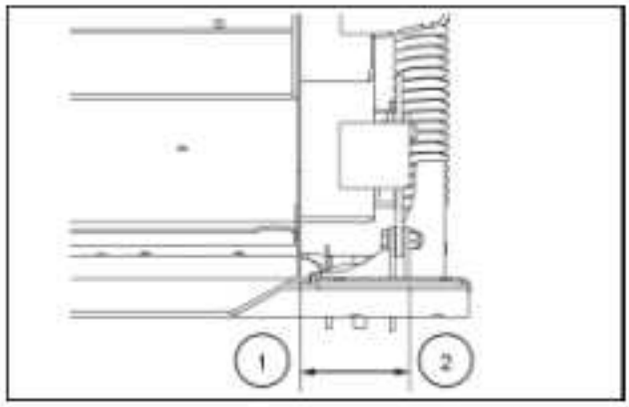
NOTE: *Use schematics*
Wire harnesses - Electrical schematic frame 02 (55.100)

N°	Test Point	Expected Result	Other Result (Possible Cause)
1	**Condition** Inspect right-hand flashing light **E-76** and harness for damage. **Check** Visually check sensor for loose electrical connections, damaged mounting holes, missing hardware etc.	**Result** No visible damage. **Action** Go to test **2**	**Result** Light or harness is damaged. **Action** Replace light or repair harness.
2	**Condition** Disconnect connector **X032** from the combine. In the combine, turn the light switch ON. **Check** for voltage from the Feeder Harness side of connector **X032**pin 28 and ground.	**Result** **12 V** **Action** Go to test **3**	**Result** **0 V** **Action** There is a problem in the wiring of the combine. See combine service manual for more information.
3	**Condition** Disconnect connector **X304** from the right-hand flashing light **E-76**. **Check** for resistance between right-hand flashing light, pins A and B.	**Result** **6 Ω** **Action** Go to test **4**	**Result** **0 Ω**, or infinite. **Action** The right-hand flashing light bulb has failed. Replace the bulb.
4	**Condition** Use **Electrical system - Testing - General Wire Testing (55.000)** to **Check** wire condition between **X304** pin B and connector **X032** pin 22.	**Result** No wire problems. **Action** Go to test **5**	**Result** Wire problems are found. **Action** Locate and repair or replace broken wire 618 (Purple) or adjacent wiring.
5	**Condition** Use **Electrical system - Testing - General Wire Testing (55.000)** to **Check** wire condition between **X304** pin A and connector **X032** pin 30.	**Result** No wire problems. **Action** The fault may be intermittent. Visually inspect the relevant harnesses and connectors for damage, bent or dislocated pins, corroded terminals or broken wires. Verify that the connectors are fully installed. Flex the harnesses involved to reveal intermittent breaks or shorts in the wiring concerned. If no damage is found, continue operation.	**Result** Wire problems are found. **Action** Locate and repair or replace broken wire 799/775 (Black) or adjacent wiring.

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16. Shift A-frame inwards until dimension of **123.3 - 127.3 mm** (**4.85 - 5 in**) from left-hand side sheet **(1)** to outer face of mounting tab **(2)** is obtained.

NOTE: *May take considerable force to shift A-frame inwards to obtain desired dimension.*

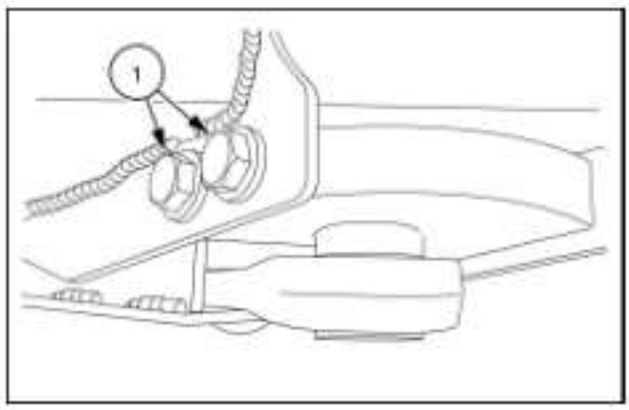


9

17. If dimension is not obtained, loosen two bolts **(1)** on each side securing anchor casting to main frame of header.

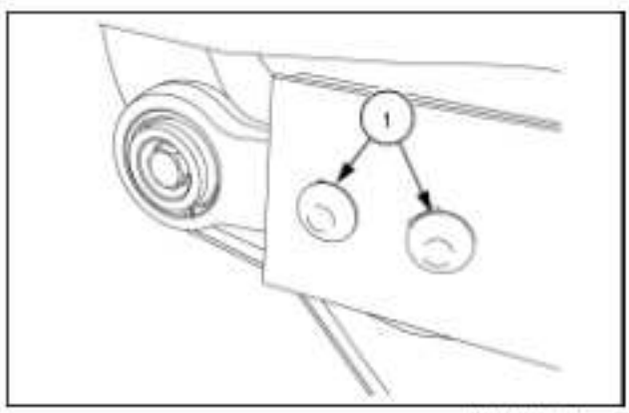
NOTE: *This will allow slight adjustment of A-frame.*

18. Torque bolts to **248 N·m** (**183 lb ft**).



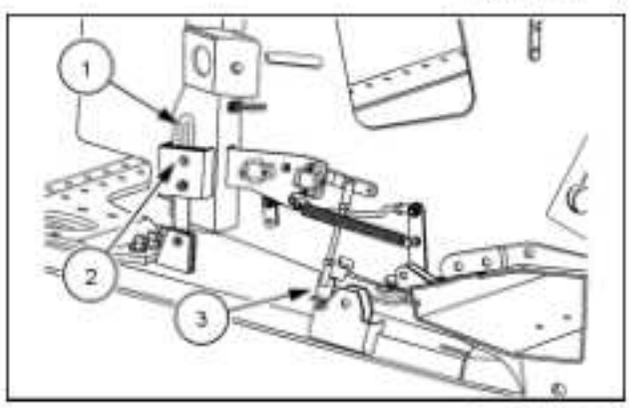
10

19. Torque carriage bolts **(1)** to **210 N·m** (**155 lb ft**).



11

20. Lift A-frame up so limit link **(1)** is in bracket on frame.
21. Install bolt in upper hole through slot in limit link.
22. Connect linkage from A-frame to potentiometer **(3)**.



12

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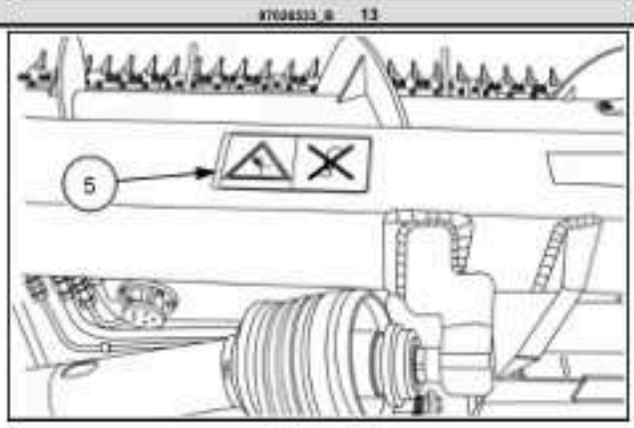
WARNING
Slippery surface.
Do not use this area as a step or platform.
Failure to comply could result in death or serious injury.

Quantity: 2
87026533



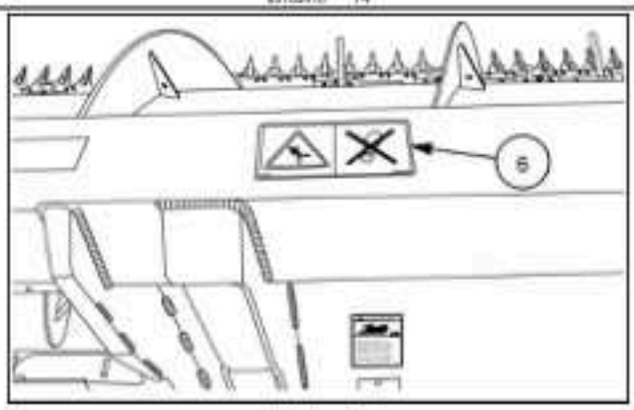
87026533_B 13

(5) Left-hand side of the feeder opening, on the top beam.



82103410 14

(6) Right-hand side of the feeder opening, on the top beam.



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