SERVICE MANUAL

300FP / 380FP

Header

Part number 47998488

English

February 2016

© 2016 CNH Industrial Belgium N.V. All Rights Reserved.

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

Contents

INTRODUCTION

Hydraulic systems 35

[35.000] Hydraulic systems 35.1

[35.359] Main control valve 35.2

[35.560] Pickup lift circuit 35.3

[35.661] Grass pickup drive system 35.4

Electrical systems 55

[55.000] Electrical system 55.1

[55.100] Harnesses and connectors 55.2

Attachments/Headers 58

[58.120] Attachment/Header feed auger 58.1

[58.900] Belt feeding 58.2

Product feeding 60

[60.220] Pickup 60.1

MidWestTech | New Holland 300FP, 380FP Header Service Manual | Publication 4799... Order the manual at mid-west-tech.com >

Contents

INTRODUCTION

Basic instructions - How to use and navigate through this Manual (*) 3
Foreword - Important notice regarding equipment servicing (*) 10
Safety rules (*) 11
Safety rules - Ecology and the environment (*) 12
Safety rules (*) 13
Personal safety (*) 16
Basic instructions - Shop and assembly (*) 17
Torque (*) 19
Torque - Standard torque data for hydraulic connections (*) 22
Basic instructions - Chain Wear Tables - Roller Chains (*) 29
Conversion factors (*) 31
Product identification (*) 32
Product identification - Machine orientation (*) 33

(*) See content for specific models

MidWestTech | New Holland 300FP, 380FP Header Service Manual | Publication 4799... Order the manual at mid-west-tech.com >

Contents

Hydraulic systems - 35

[35.000] Hydraulic systems 35.1

[35.359] Main control valve 35.2

[35.560] Pickup lift circuit 35.3

[35.661] Grass pickup drive system 35.4

MidWestTech | New Holland 300FP, 380FP Header Service Manual | Publication 4799... Order the manual at mid-west-tech.com >

Wheel cylinder - General specification

300FP	ANZ — APAC — LA — MEA — WE
380FP	ANZ — APAC — LA — MEA — WE

General specifications

Configuration	Double acting cylinder
Maximum work pressure	**210.0 bar (3045.0 psi)**
Oil temperature	**-30.0 - 80.0 °C (-22.0 - 176.0 °F)**
Stroke	**159.0 mm (6.3 in)**
Diameter rod	**ø 28.0 mm (1.1 in)**
Diameter bore	**ø 40.0 mm (1.6 in)**

MidWestTech | New Holland 300FP, 380FP Header Service Manual | Publication 4799... Order the manual at mid-west-tech.com >

Wiring harnesses - Electrical schematic sheet 02

300FP	ANZ — APAC — LA — MEA — WE
380FP	ANZ — APAC — LA — MEA — WE

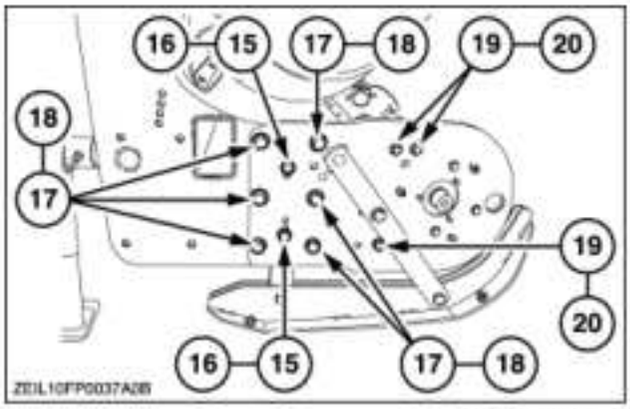
Frame 2

FP300.....3463 > 3476
FP380.....3463 > 3476

Component identifier	Description
A-020	Header type recognition module
B-001	Auger speed sensor
B-002	Pickup reel revolutions per minute (RPM) sensor

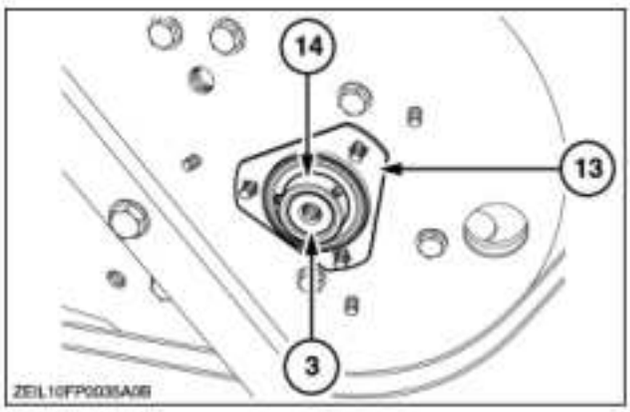
MidWestTech | New Holland 300FP, 380FP Header Service Manual | Publication 4799... Order the manual at mid-west-tech.com >

17. Install the lock washers **(20)** and the bolts **(19)**.
18. Install the lock washers **(18)** and the bolts **(17)**.
19. Install the lock washers **(16)** and the bolts **(15)**.



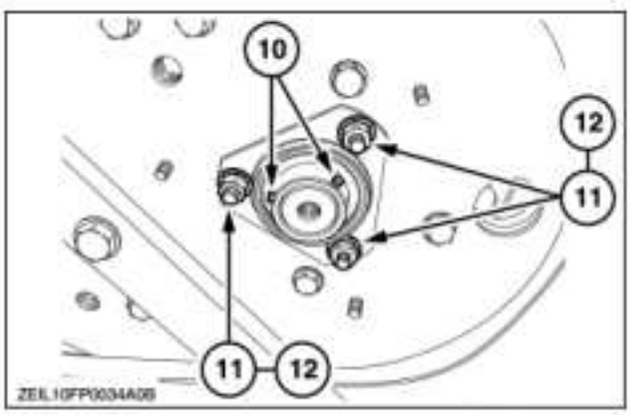
ZEIL10FP0037A0B 12

20. Install the bearing flanges **(13)** and the bearing assembly **(14)** onto the drive shaft **(3)**.



ZEIL10FP0035A0B 13

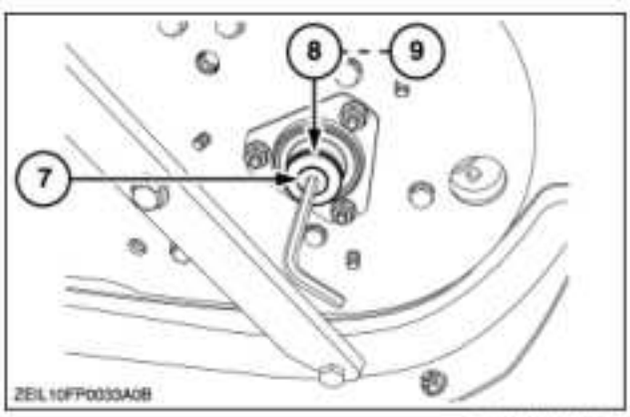
21. Install the lock washers **(12)** and the nuts **(11)**.
22. Rotate the reel by one turn and tighten the two set screws **(10)**.



ZEIL10FP0034A0B 14

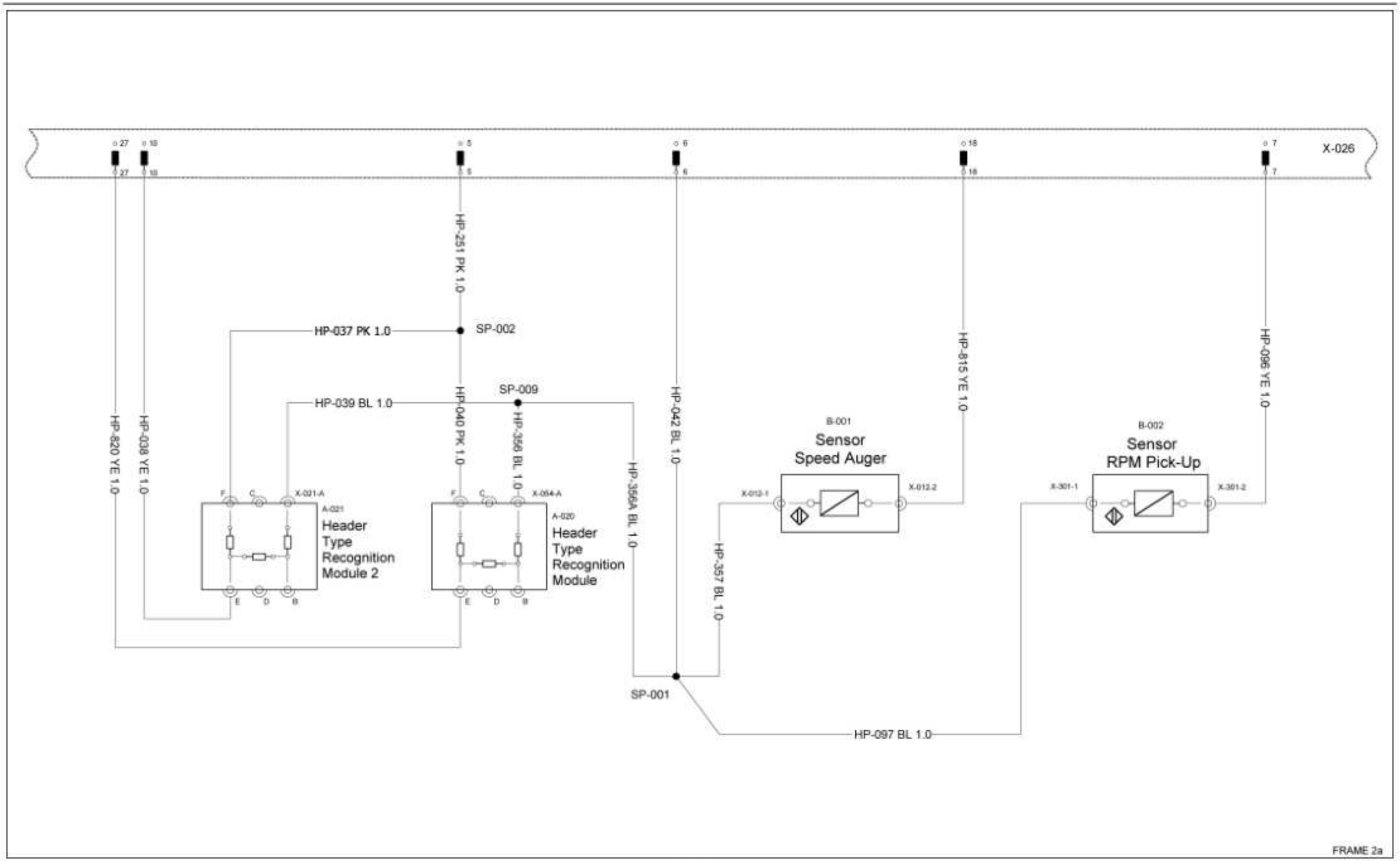
23. Install the washer(s) **(9)**, the thick washer **(8)** and the set screw **(7)**.

NOTE: *Use the appropriate amount of washer(s)* ***(9)*** *to maintain a gap of* ***1 mm*** *between the thick washer* ***(8)*** *and the bearing.*



ZEIL10FP0033A0B 15

MidWestTech | New Holland 300FP, 380FP Header Service Manual | Publication 4799... Order the manual at mid-west-tech.com >



MidWestTech | New Holland 300FP, 380FP Header Service Manual | Publication 47998488
Order the manual at mid-west-tech.com >