3406
3408
3412
3416
3418

Corn Header

SERVICE MANUAL

Part number 84160526
1st edition English
January 2011

CASE IH AGRICULTURE

MidWestTech | Case 3406, 3408, 3412, 3416, 3418 Corn Header Service Manual | Publication 84160526

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

Contents

INTRODUCTION

ENGINE AND PTO IN ..... B

PTO POWER IN B.90.A

CROP PROCESSING ..... K

GUIDING Crop guiding K.12.B

FEEDING Header feeding K.25.D

FEEDING Row unit K.25.O

MidWestTech | Case 3406, 3408, 3412, 3416, 3418 Corn Header Service Manual | Pu... Order the manual at mid-west-tech.com >

Contents

INTRODUCTION

Basic instructions - Important notice regarding equipment servicing 3
Personal safety 4
Safety rules 7
Safety signs 11
Personal safety 15
3400 Series Corn Header
Basic instructions - How To Use and Navigate Through This Manual 16
Basic instructions - Shop and Assembly 21
Torque - Minimum Hardware Tightening Torques for Normal Assembly Applications 23
Torque Specification Tables 27
Basic instructions - Chain Wear Tables - Roller Chains 32
Basic instructions - Troubleshooting Chart 34
3400 Series Corn Header
General specification 36
Product identification Location 37

MidWestTech | Case 3406, 3408, 3412, 3416, 3418 Corn Header Service Manual | Pu... Order the manual at mid-west-tech.com >

Contents

ENGINE AND PTO IN - B

PTO POWER IN - 90.A

SERVICE

PTO POWER IN
Remove 3
Install 4
3400 Series Corn Header
Drive system
Standard U-Joint - Disassemble 5
3400 Series Corn Header
Standard U-Joint - Inspect 7
3400 Series Corn Header
Standard U-Joint - Assemble 8
3400 Series Corn Header
PTO shaft - Disassemble 9
3400 Series Corn Header
PTO shaft - Assemble 10
3400 Series Corn Header
Quick-connect lock - Disassemble 12
Quick-connect lock - Assemble 13

MidWestTech | Case 3406, 3408, 3412, 3416, 3418 Corn Header Service Manual | Pu... Order the manual at mid-west-tech.com >

Basic instructions - How To Use and Navigate Through This Manual

Technical Information

This manual has been produced by a new technical information system. This new system is designed to deliver technical information electronically through Web delivery, DVD and in paper manuals. A coding system called SAP has been developed to link the technical information to other Product Support functions, e.g., Warranty.

Technical information is written to support the maintenance and service of the functions or systems on a customer's machine. When a customer has a concern on his machine it is usually because a function or system on his machine is not working at all, is not working efficiently, or is not responding correctly to his commands. When you refer to the technical information in this manual to resolve that customer's concern, you will find all the information classified using the SAP coding, according to the functions or systems on that machine. Once you have located the technical information for that function or system then you will find all the mechanical, electrical or hydraulic devices, components, assemblies and sub assemblies for that function or system. You will also find all the types of information that have been written for that function or system, the technical data (specifications), the functional data (how it works), the diagnostic data (fault codes and troubleshooting) and the service data (remove, install adjust, etc.).

By integrating SAP coding into technical information , you will be able to search and retrieve just the right piece of technical information you need to resolve that customer's concern on his machine. This is made possible by attaching 3 categories to each piece of technical information during the authoring process.

The first category is the Location, the second category is the Information Type and the third category is the Product:

- LOCATION - is the component or function on the machine, that the piece of technical information is going to describe e.g. Fuel tank.
- INFORMATION TYPE - is the piece of technical information that has been written for a particular component or function on the machine e.g. Capacity would be a type of Technical Data that would describe the amount of fuel held by the Fuel tank.
- PRODUCT - is the model for which the piece of technical information is written.

Every piece of technical information will have those 3 categories attached to it. You will be able to use any combination of those categories to find the right piece of technical information you need to resolve that customer's concern on his machine.

That information could be:

- the description of how to remove the cylinder head
- a table of specifications for a hydraulic pump
- a fault code
- a troubleshooting table
- a special tool

MidWestTech | Case 3406, 3408, 3412, 3416, 3418 Corn Header Service Manual | Pu... Order the manual at mid-west-tech.com >

General specification

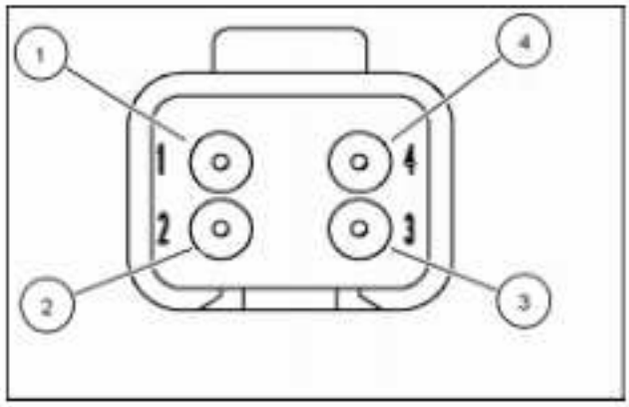
Model	Row Spacing	Weight	Width	Total Number Lube Fittings
3406R30	762 mm (30 in)	1893 kg (4173 lb)	4824 mm (190 in)	18
3406R36	914 mm (36 in)	2155 kg (4751 lb)	5645 mm (222 in)	18
3406R38	965 mm (38 in)	2155 kg (4751 lb)	5848 mm (230 in)	18
3408R22	559 mm (22 in)	2209 kg (4870 lb)	4724 mm (186 in)	27
3408R30	762 mm (30 in)	2585 kg (5699 lb)	6356 mm (250 in)	27
3408R36	914 mm (36 in)	2828 kg (6235 lb)	7511 mm (296 in)	28
3408R38	965 mm (38 in)	2828 kg (6235 lb)	7780 mm (306 in)	28
3408R70	700 mm (28 in)	2528 kg (5573 lb)	5848 mm (230 in)	22
3412R20	508 mm (20 in)	3196 kg (7046 lb)	6350 mm (250 in)	35
3412R22	559 mm (22 in)	3298 kg (7271 lb)	6960 mm (274 in)	36
3412R30	762 mm (30 in)	3742 kg (8250 lb)	9404 mm (370 in)	36
3416R30	762 mm (30 in)	5035 kg (11100 lb)	11989 mm (472 in)	40
3418R20	508 mm (20 in)	4881 kg (10760 lb)	9652 mm (380 in)	42

MidWestTech | Case 3406, 3408, 3412, 3416, 3418 Corn Header Service Manual | Pu... Order the manual at mid-west-tech.com >

33. Insert the loose pins of the assembly harness into the four pin male connector (which is included with the pig tail harness **84345133**) at the positions indicated below. Remove the green locking wedge from inside the open end of the connector, using a Deutsche connector tool or a small screwdriver to push the wedge out.

34. If previously removed, reinsert the seal into the connector. Insert the four wires through the seal and insert the wires into the connector cavities as shown. The cavity numbers are molded into the seal end of the connector. Push the pins in until they are locked.

35. 4-pin connector
    - Black wire – Cavity 1 **(1)**.
    - Yellow wire– Cavity 2 **(2)**.
    - White wire – Cavity 3 **(3)**.
    - Green wire – Cavity 4 **(4)**.

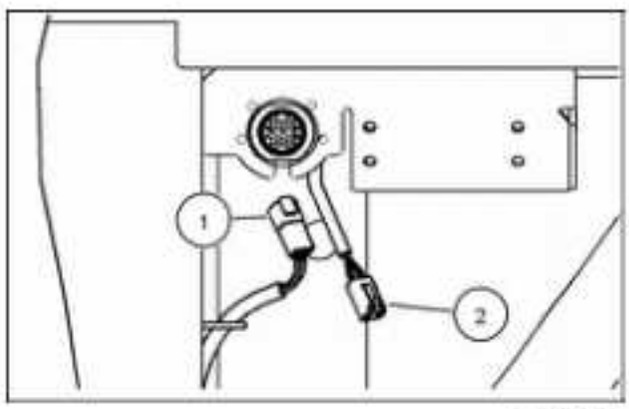


20104196 27

36. Connect the four pin male connector **(1)** of the assembly harness into the four-pin female connector **(2)** of the pig tail harness on the corn head. Check to be sure the wire colors match on each side of the connectors.

37. Disconnect the male and female connectors. Insert the green locking wedge into the female connector. Use care and orient it correctly to prevent damage. Check to be sure the wedge is fully seated in the connector. Reconnect the male and female connectors.

38. The corn head is now ready to be connected to the combine. Refer to the corn head or combine operators manual for corn head connection instructions. Refer to the row guidance software operations manual for instructions on using the row guidance system.



20104194 28

ATTENTION: *This kit requires a software activation code that must be obtained through the CNH Service Part System. Otherwise the addition of this kit will not be recognized by the control module.*

MidWestTech | Case 3406, 3408, 3412, 3416, 3418 Corn Header Service Manual | Pu... Order the manual at mid-west-tech.com >

CASE IH
AGRICULTURE

SERVICE MANUAL

CROP PROCESSING



3406
3408
3412
3416
3418

84160526-K 26/01/2011
K

MidWestTech | Case 3406, 3408, 3412, 3416, 3418 Corn Header Service Manual | Pu... Order the manual at mid-west-tech.com >

CASE IH
AGRICULTURE

SERVICE MANUAL

ENGINE AND PTO IN



3406
3408
3412
3416
3418

84160526-B 26/01/2011
B

MidWestTech | Case 3406, 3408, 3412, 3416, 3418 Corn Header Service Manual | Pu... Order the manual at mid-west-tech.com >