True-Tandem™ 345 (22 - 34 Foot)
True-Tandem™ 375 (22 - 37 Foot)
Disk Harrow

345: PIN YED076754 and after
375: PIN YFD080101 and after

OPERATOR'S MANUAL

Part number 91710714
6th edition English
August 2021
Replaces part number 90414572

CASE IH AGRICULTURE

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

Contents

1 GENERAL INFORMATION

Note to the owner 1-1
Electro-Magnetic Compatibility (EMC) 1-2
Product Identification Number (PIN) 1-3
Operator's manual storage on the machine 1-4
Machine orientation 1-5
Machine components 1-6

2 SAFETY INFORMATION

Safety rules 2-1
Safety information 2-2
Safety features 2-8
Hand signals 2-10
Safety signs 2-11

3 OPERATING INSTRUCTIONS

COMMISSIONING THE UNIT

Before operating your tandem disk 3-1
Attaching the implement to the tractor 3-4
Hydraulic hose connections - Standard frame control 3-10
Hydraulic lift hose connections - Electronic frame control 3-12
Transport lighting 3-16

PARKING THE UNIT

Disconnecting the implement 3-18

4 TRANSPORT OPERATIONS

PREPARING FOR ROAD TRANSPORT

Transporting on public roads 4-1
Transport/maintenance stops 4-2

5 WORKING OPERATIONS

GENERAL INFORMATION

Standard frame control 5-1
General information 5-1
Hydraulic system 5-3
Tandem disk setting instructions 5-4
Fore/aft adjustment 5-5
Machine leveling with a hydraulic leveling cylinder 5-6
Machine leveling with a mechanical turnbuckle 5-7
Single Point Depth Control (SPDC) adjustment 5-9
Single crumbler basket with hydraulic down pressure 5-10

MidWestTech | Case True Tandem 345, 375 Disk Harrow Operator's Manual | Publicat... Order the manual at mid-west-tech.com >

Single crumbler basket with spring down pressure 5-14
Electronic frame control 5-16
Introduction 5-16
System override 5-17
Configuration of the implement for system failure 5-17

FIELD OPERATION
Pivoting stabilizer wheel adjustment 5-24
Wing transport wheel adjustment 5-26
Center shank assembly - True-Tandem™ 345 5-27
Center shank assembly - True-Tandem™ 375 5-28
Coil tine angle adjustments 5-29
Coil tine setting 5-32
Coil tine height adjustment 5-33
Coil tine adjustment handle storage 5-35
Disk scraper adjustment 5-36
Rear hitch 5-39

6 MAINTENANCE

GENERAL INFORMATION
Maintenance safety 6-1
Consumables 6-3
Torque 6-4
Special bolt torque 6-9
Torque - Standard torque data for hydraulic connections 6-10
Tire pressure 6-17

MAINTENANCE CHART
Lubrication and maintenance chart 6-18

ADJUSTMENTS
Grease locations 6-19

After first 10 hours and periodically
Frame bolts 6-20
Wheel bolt torque 6-21
Arbor bolts 6-22
Single point depth control setting 6-22

Every 50 hours
Wheel hub 6-23
Walking tandem pivot 6-24
Pivoting stabilizer wheel 6-24
Disk gang assembly 6-25

Every 250 hours or yearly
Cushion leveling assembly trunnion 6-26
Spring arm basket trunnion 6-26

MidWestTech | Case True Tandem 345, 375 Disk Harrow Operator's Manual | Publicat... Order the manual at mid-west-tech.com >

Turnbuckle assembly 6-27
Repack transport hub bearings 6-28
Repack walking tandem pivot bearings 6-29
Repack the pivoting stabilizer wheel bearings 6-29

Yearly
Hydraulic hose connections 6-30
Disk blades 6-31

Periodic checks
Cushion leveling assembly spring length 6-32

STORAGE
Preparing for storage 6-35
Removal from storage 6-36

7 TROUBLESHOOTING

SYMPTOM(S)
Field performance 7-1
Component breakage 7-6
Rephasing suspension lift cylinders 7-8
Basket down pressure adjustment range 7-12

8 SPECIFICATIONS
Consumables 8-1
Tractor requirements 8-2
Frame and hitch 8-2
Transport size 8-3
Machine weights 8-4
Hydraulics 8-6
Wheels and tires 8-7
Disk blade size 8-9
Tillage width 8-11
Leveling attachment 8-12

MidWestTech | Case True Tandem 345, 375 Disk Harrow Operator's Manual | Publicat... Order the manual at mid-west-tech.com >

5 - WORKING OPERATIONS

GENERAL INFORMATION

Standard frame control

General information

⚠WARNING

Improper operation or service of this machine can result in an accident.
Make sure you perform the required service and adjustments correctly to avoid injury and machine damage.
Failure to comply could result in death or serious injury.

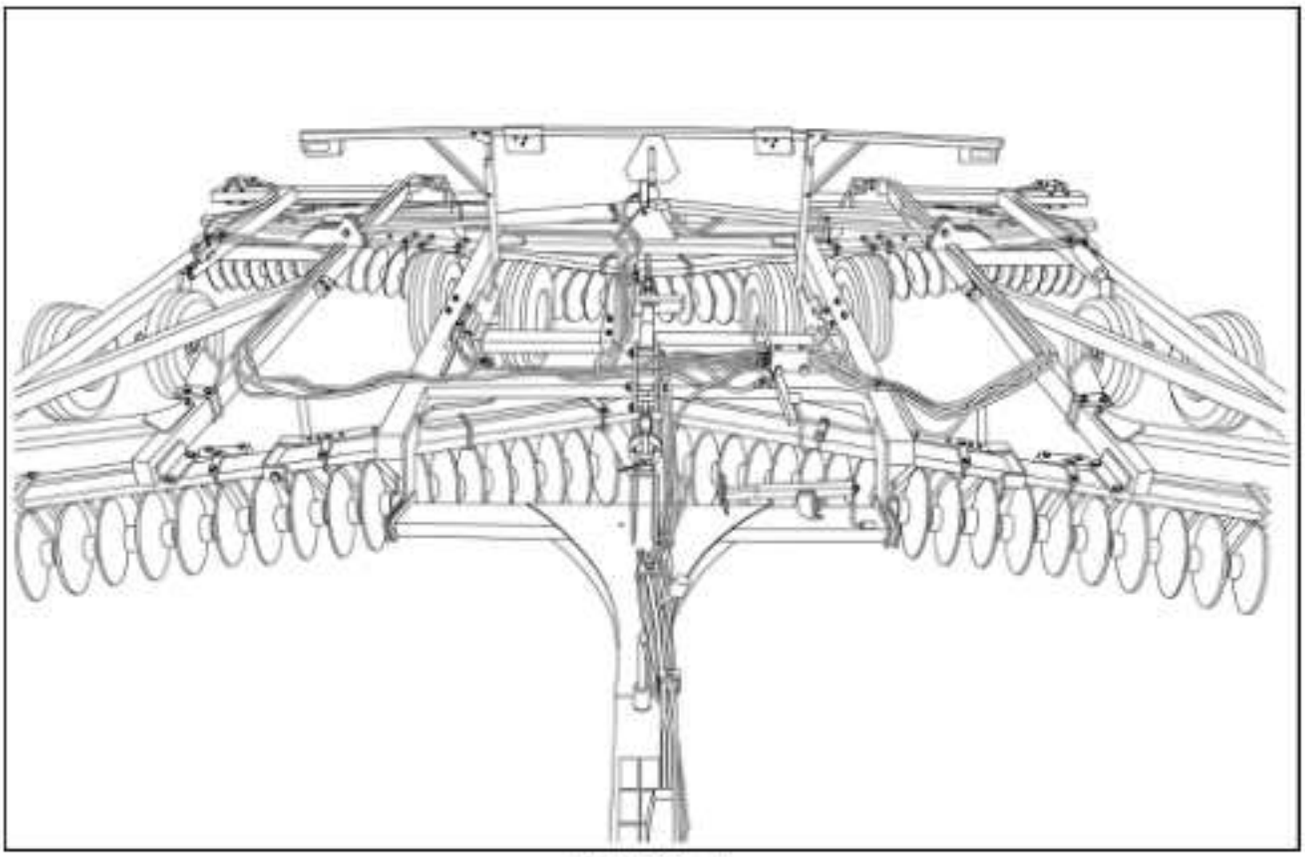
W0152A

⚠WARNING

Avoid injury!
If you must raise the machine to make adjustments, you must install the transport lock at each main lift cylinder in the locked position when working on or near the machine.
Failure to comply could result in death or serious injury.

W0154A

NOTICE: *Check all bolt torques after 2 hours of operation and re-torque to the specifications listed in "Torque" starting on* ***6-4*** *or "Special bolt torque" on* ***6-9****. Failure to re-torque all bolts could result in damage to the implement.*



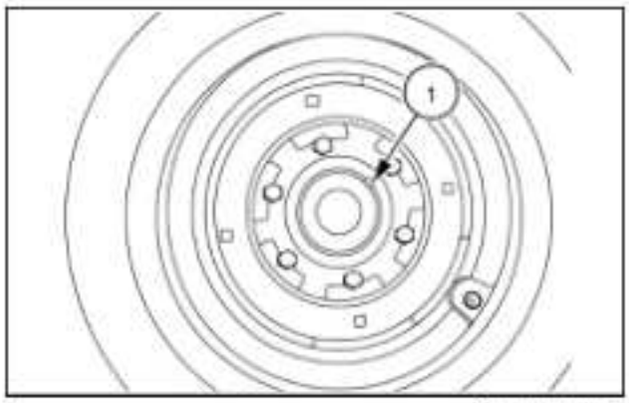
GDIL14TIL3501PA 1

MidWestTech | Case True Tandem 345, 375 Disk Harrow Operator's Manual | Publicat... Order the manual at mid-west-tech.com >

Every 50 hours

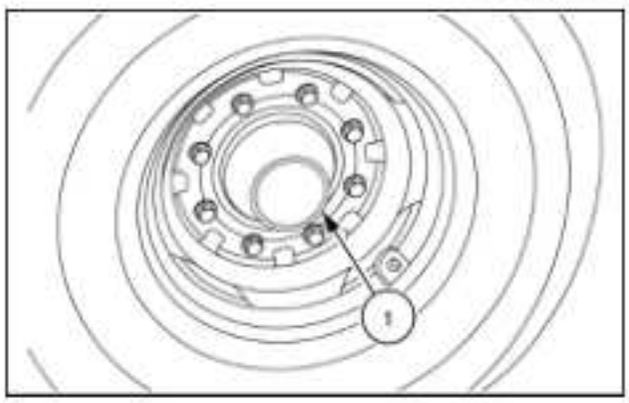
Wheel hub

1. Grease the six-bolt hub assembly **(1)** with **MULTI-PURPOSE GREASE EP / AW / NLGI 2**. There is one fitting on each wheel hub.



GD&T-HTSL018AA 1

2. Grease the eight-bolt hub assembly **(1)** with **MULTI-PURPOSE GREASE EP / AW / NLGI 2**. There is one fitting on each wheel hub.



GD&T-HTSL018BAA 2

MidWestTech | Case True Tandem 345, 375 Disk Harrow Operator's Manual | Publicat... Order the manual at mid-west-tech.com >

True-Tandem™ 375

229 mm (9 in) disk blade spacing, rigid bearings, non-heavy duty gangs, and no rear attachments

Implement size	Rigid gang
6.7 m (22 ft)	6083 kg (13383 lb)
7.6 m (25 ft)	6389 kg (14055 lb)
8.5 m (28 ft)	6988 kg (15374 lb)
9.4 m (31 ft)	7532 kg (16569 lb)
10.4 m (34 ft)	8592 kg (18901 lb)
11.3 m (37 ft)	9066 kg (19946 lb)

229 mm (9 in) disk blade spacing, cushion bearings, non-heavy duty gangs, and no rear attachments

Implement size	Cushion gang
6.7 m (22 ft)	6432 kg (14151 lb)
7.6 m (25 ft)	6777 kg (14910 lb)
8.5 m (28 ft)	7415 kg (16314 lb)
9.4 m (31 ft)	8076 kg (17767 lb)
10.4 m (34 ft)	9175 kg (20184 lb)
11.3 m (37 ft)	9649 kg (21227 lb)

Safety chain

Implement size	Capacity
6.7 – 7.6 m (22 – 25 ft)	133 kN (30000 lb)
8.5 – 11.3 m (28 – 37 ft)	178 kN (40000 lb)

MidWestTech | Case True Tandem 345, 375 Disk Harrow Operator's Manual | Publicat... Order the manual at mid-west-tech.com >