DX35, DX40, DX45 Tractors

PIN Number HBA015001 and Above

Operator's Manual

87300519

MidWestTech | Case DX35, DX40, DX45 Tractor Operator's Manual | Publication 87300519

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

CONTENTS

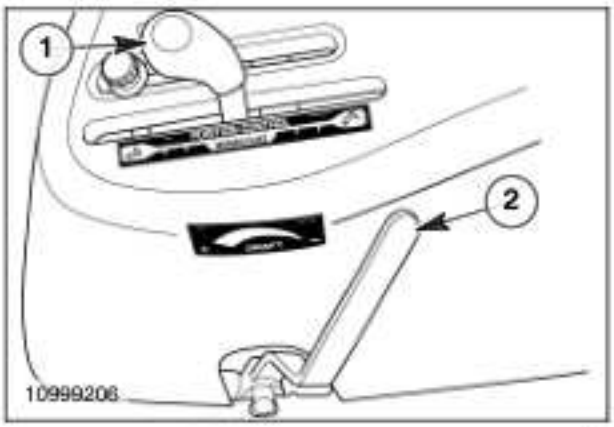
SAFETY 0-7
GENERAL INFORMATION 1-1
OPERATION 2-1
LUBRICATION AND MAINTENANCE 3-1
SPECIFICATIONS 4-1
INDEX 4-13
DELIVERY REPORT 4-15

MidWestTech | Case DX35, DX40, DX45 Tractor Operator's Manual | Publication 87300519 Order the manual at mid-west-tech.com >

Case IH tractors having the Hydraulic Draft Control option are equipped with two-lever hydraulic lift control systems. The operation of each system is described below:

TWO-LEVER CONTROLS - POSITION CONTROL OPERATION

The two-lever control system is shown in Figure 43. Position control is obtained by placing the draft control lever, 2, fully forward and then moving the outer (Position) control lever, 1, to position the equipment as desired. The outer (Position) lever is used to set the desired working height or depth.



43

DRAFT CONTROL OPERATION

Draft control is obtained by placing the position control lever, 1, in the forward position. Use the draft control to adjust the draft setting (the lift system will automatically maintain the selected draft as described above.)

OPERATING IN BOTH POSITION AND DRAFT CONTROL

The position control may be used together with the draft control as follows:

1. Set the position control lever, 1, at the maximum desired implement depth. The hydraulic system will not lower the implement below the preselected depth. (This will also prevent "diving" which may be encountered with light equipment, such as a rear blade, when grading or backfilling.)
2. Adjust the draft control lever, 2, for the maximum draft load (pull) desired.

The hydraulic lift system will now provide normal draft response within the range set by the position control. This adjustment provides a more uniform depth while maintaining an even pull in widely varying soil conditions.

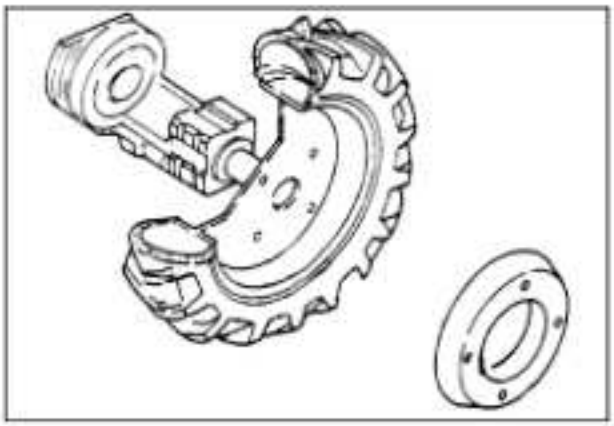
⚠ WARNING ⚠

Make sure the area is clear of people before lowering equipment.

MidWestTech | Case DX35, DX40, DX45 Tractor Operator's Manual | Publication 87300519 Order the manual at mid-west-tech.com >

Rear Wheel Weights #714470026

Tire Type	Weight(s)
Agricultural	Maximum of (2) weights per wheel @ 47.3 kg (105 lbs.) each- 189 kg (420 lbs.) total per wheel
Turf	Not Available
Industrial (R4)	Maximum of (2) weights per wheel @ 47.3 kg (105 lbs.) each- 189 kg (420 lbs.) total



56

NOTE: *Rear wheel weights can be used with liquid ballast.*

REAR WHEEL WEIGHT INSTALLATION

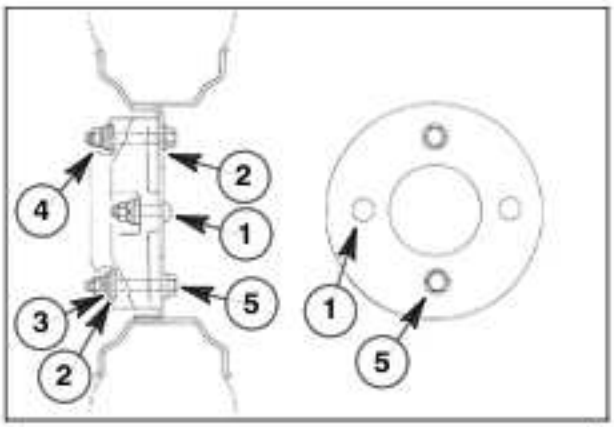
(Ag./R4 Tires)

Hardware needed one weight installed per wheel:

Item	Qty.	Description
1	4	5/8" x 3-1/2" carriage bolt
2	8	5/8" flat washer
3	4	5/8" lock washer
4	4	5/8" nut

Hardware needed two weights installed per wheel:

Item	Qty.	Description
1	2	5/8" x 3-1/2" carriage bolt
2	10	5/8" flat washer
3	4	5/8" lock washer
4	4	5/8" nut
5	2	5/8" x 7" cap screw



57

Rear Counter Weight Bracket (Optional) #718740016

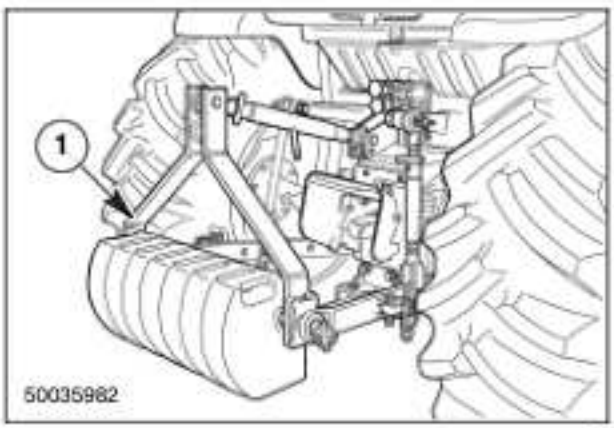
Weight bracket, 1, fits any 3 pt. hitch. Maximum of seven suitcase weights

(7) 27 kg (60 lbs.) each - 191.0 kg (420 lbs.) total

or

(2) 27 kg (60 lbs.)
(5) 45 kg (100 lbs.) - 282 kg (620 lbs.) total

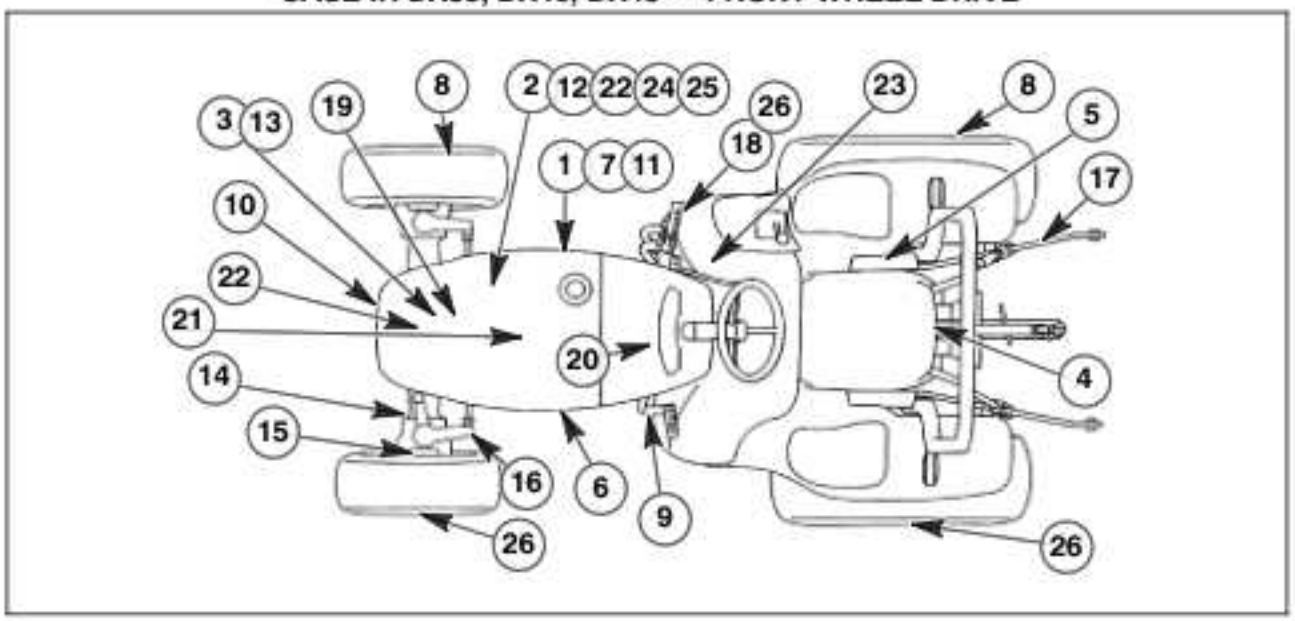
(7) 27 kg (60 lbs.) each - 191.0 kg (420 lbs.) total



58

MidWestTech | Case DX35, DX40, DX45 Tractor Operator's Manual | Publication 87300519 Order the manual at mid-west-tech.com >

LUBRICATION AND MAINTENANCE CHART
CASE IH DX35, DX40, DX45 — FRONT-WHEEL DRIVE



2

NO.	LUBRICATION & MAINTENANCE ITEMS	CHECK	CLEAN	LUBE	CHANGE	ADJUST	SERVICE INTER-VALS
1	Engine Oil Level	X					Every 10 Hours or Daily
2	Air Cleaner	X					
3	Radiator Coolant	X					
4	Transmission Oil Level	X					
5	Hydraulic Filter				X		First 50 Hours
6	H.S.T. Filter				X		
1, 7	Engine Oil & Filter				X		
8	Tire Pressure	X					
11	Fuel Filter				X		
26	Wheel Bolt Torque	X					
—	All Fluid Levels	X					
8	Tires	X					Every 50 Hours
9	Clutch Pedal	X		X		X	
10	Battery	X					
12	Power Steering Oil Level	X					
13	Fan Belt	X					
14	Front Axle Oil Level	X					
15	Final Reduction Gear Cases Oil Level	X					
	Lubrication Fittings:						
16	Steering Linkage			X			
17	3-Point Linkage			X			
18	Brake Pedal			X			
19	Power Steering Cylinder			X			
20	Pedal Shaft			X			
21	Drive Cover Shaft			X			
22	Pivot Shaft			X			
23	H.S.T. Pedal Pivot			X			

NO.	LUBRICATION & MAINTENANCE ITEMS	CHECK	CLEAN	LUBE	CHANGE	ADJUST	SERVICE INTER-VALS
1, 7	Engine Oil & Filter				X		Every 100 Hours
2	Air Cleaner Element		X				
11	Fuel Filter		X				
26	Brake Pedal Free Play					X	Every 200 Hours
13	Fuel Filter Element				X		
26	Fan Belt					X	
	Wheel Bolt Torque	X					
4	Transmission Oil				X		Every 300 Hours
5	Hydraulic Filter				X		
6	H.S. T. Filter				X		
14	Front Axle Oil				X		
15	Final Reduction Gear Cases Oil				X		
12	Power Steering Oil				X		Every 600 Hours *Refer to Repair Manual
24*	Fuel Injector	X				X	
25*	Valve Clearance	X				X	
2	Air Cleaner Element				X		Seasonal
3	Radiator Coolant				X		
2	Safety Air Filter Element				X		Every 3rd Primary Element Change or Every **1000** Hours, Whichever Comes First

MidWestTech | Case DX35, DX40, DX45 Tractor Operator's Manual | Publication 87300519 Order the manual at mid-west-tech.com >