D35, D40, D45 Tractors

Operator's Manual

87300517

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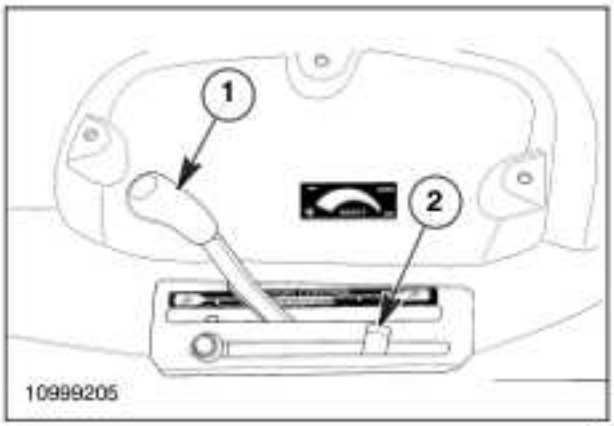
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TWO-LEVER CONTROLS - POSITION CONTROL OPERATION

The two-lever control system is shown in Figure 36. 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.



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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.)

SINGLE- AND TWO-LEVER CONTROLS - POSITION ADJUSTMENT

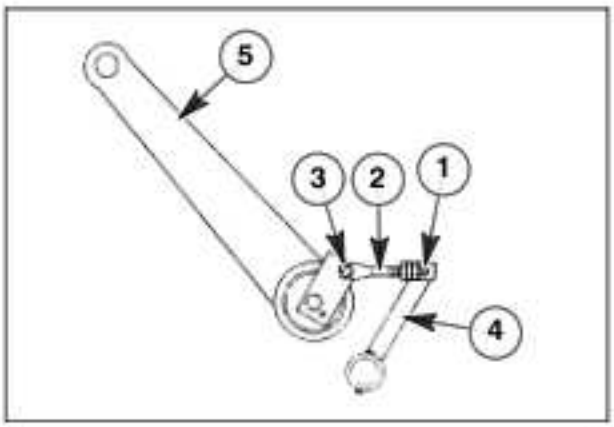
Linkage Adjustments

The length of the position control rod is critical, and careful adjustment must be observed for proper operation. If the control rod is adjusted too short, the control valve spool will remain in the raised position when the lift arms have reached their maximum height, and the system relief valve will blow. If the control rod is too long, the control valve spool will return to neutral before the lift arms reach their full height.

The position control rod should be adjusted any time the link is disconnected for service to the hydraulic system, or any time the relief valve is observed to be operating when the lift arms are at the fully raised position.

Adjustment Procedure

1. Loosen the locknut, 1, on the position control rod, 2, and remove the pin, 3, from the link.
2. Set the control lever, 4, to the highest position.
3. Start the engine. The lift arms, 5, should rise, and the relief valve should operate.
4. Move the control lever down until the relief valve ceases operation.
5. Adjust the length of the position control rod and clevis to align the pin holes. Then lengthen the rod one additional full turn and install the pin. Tighten the locknut.
6. Check the operation. The relief valve should not operate when the lift arms are in their fully raised position.



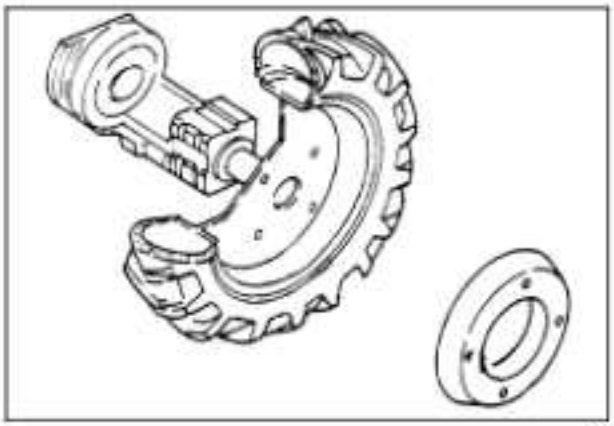
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REAR WHEEL WEIGHTS
#710470026

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

NOTE: *Rear wheel weights can be used with liquid ballast. Hardware to mount weights should be obtained locally.*



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REAR WHEEL WEIGHT INSTALLATION

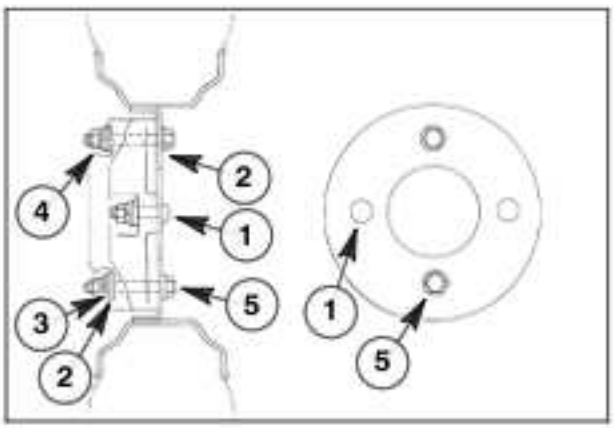
(Ag. and R4 Tire)

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



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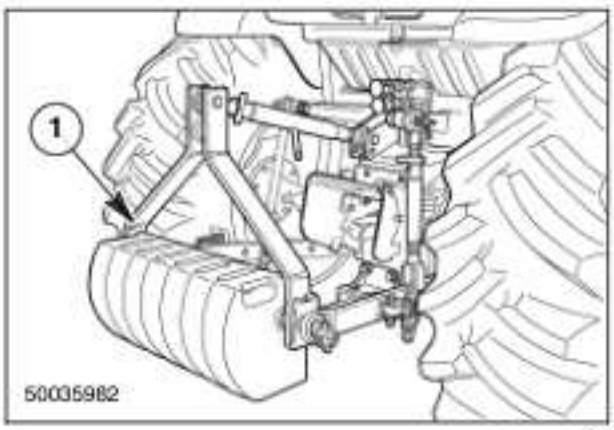
Rear Counter Weight Bracket (Optional)
#718740016

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

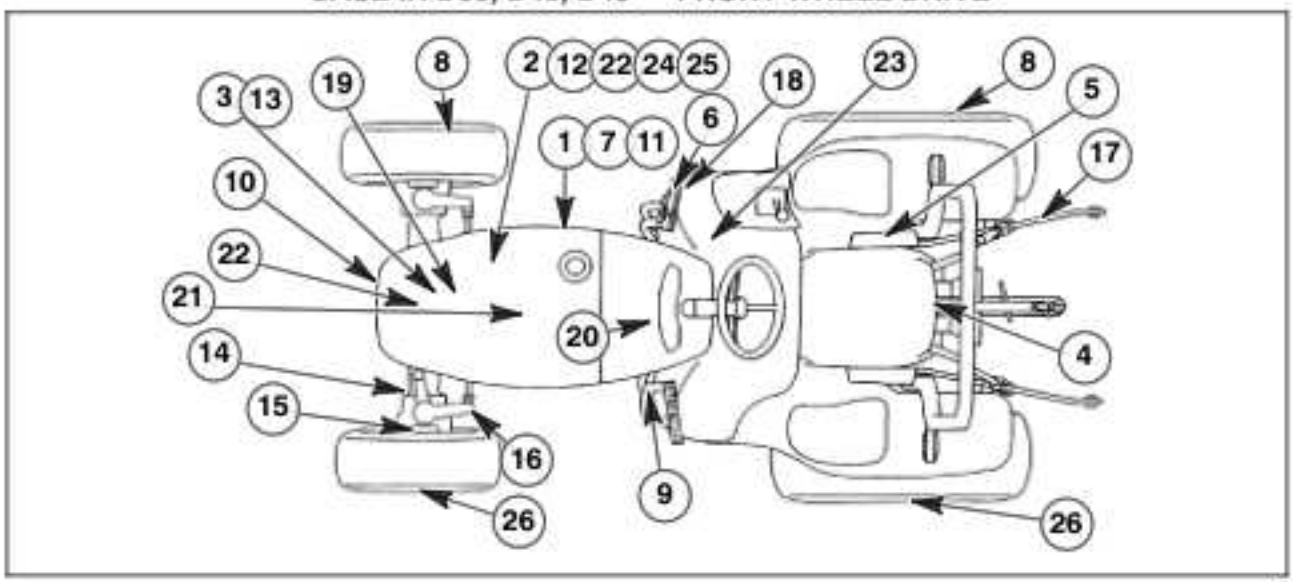
(2) 27 kg (60 lbs.)
(5) 45 kg (100 lbs.) - 282 kg (620 lbs.) total



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LUBRICATION AND MAINTENANCE CHART
CASE IH D35, D40, D45 — FRONT-WHEEL DRIVE



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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
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			

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				
6	Brake Pedal Free Play					X	Every 200 Hours
11	Fuel Filter Element				X		
13	Fan Belt					X	
26	Wheel Bolt Torque	X					
4	Transmission Oil				X		Every 300 Hours
5	Hydraulic 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

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