521D WHEEL LOADER

Operators Manual

P.I.N. JEE0135501 and After

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CASE CONSTRUCTION

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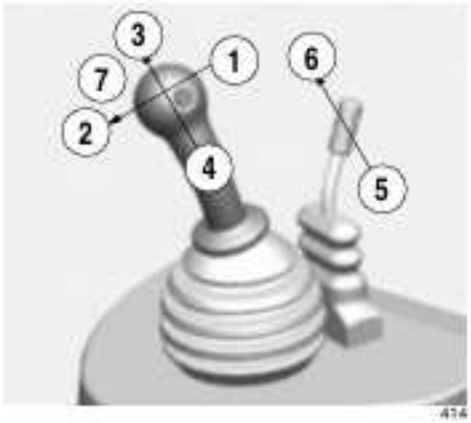
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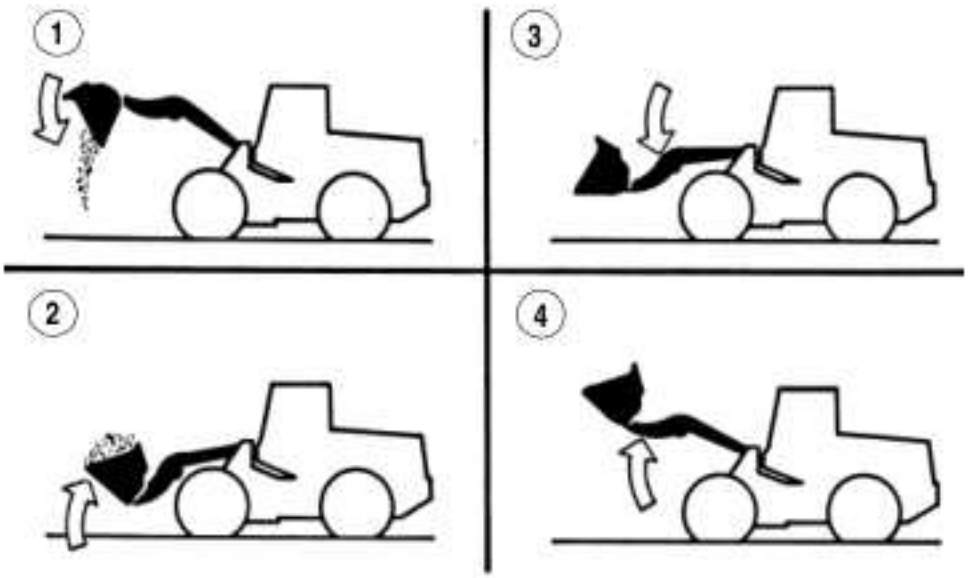
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THREE SPOOL VALVE - TWO CONTROL LEVERS



NOTE: *This page shows the basic control lever positions. The Detent Switch for the loader functions is in the OFF position.*

See Loader Function Switches in this manual for RETURN-TO-DIG, BUCKET HEIGHT CONTROL and RETURN-TO-TRAVEL/FLOAT switches.



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1. **DUMP BUCKET**
2. **ROLLBACK BUCKET**
3. **LOWER LIFT ARMS**
4. **RAISE LIFT ARMS**
5. **5-6.) AUXILLARY FUNCTION**
6. **7.) HOLD:** THE LOADER ARMS AND BUCKET WILL NOT MOVE WHEN THE CONTROL LEVERS ARE IN **HOLD**. WHEN RELEASED, THE CONTROL LEVERS WILL RETURN TO **HOLD** AUTOMATICALLY.

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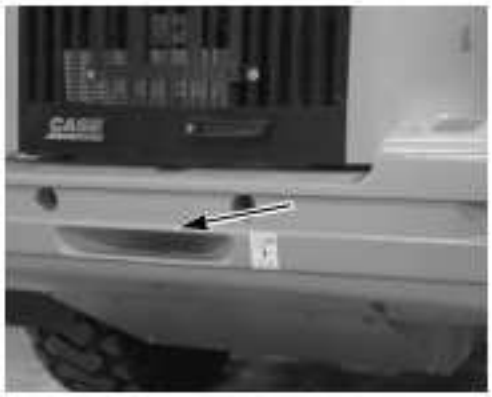
MACHINE DRAWBAR INFORMATION

Your machine is equipped with a drawbar located on the rear counterweight.

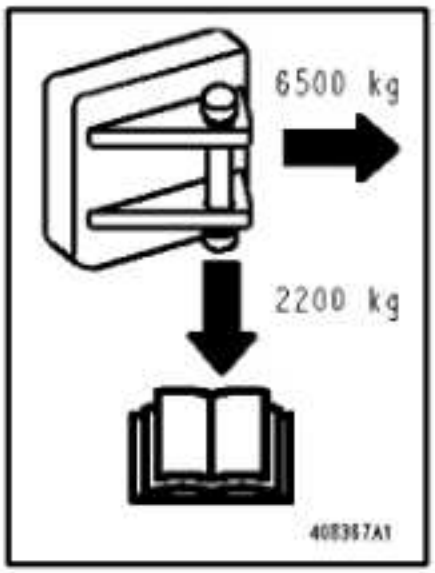
The drawbar is to be used for retrieving or towing your machine if it becomes disabled.

The maximum horizontal force applied to the retrieval hitch must never exceed 20 000 kg (44 092 lb.). The maximum vertical force applied to the hitch must never exceed 5 000 kg (11 023 lb.).

The hitch may be used to temporarily pull loads. The maximum horizontal force applied must not exceed 6 500 kg (14 330 lb.). The maximum vertical force must not exceed 2 200 kg (4 850 lb.).



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LUBRICATION/MAINTENANCE CHART

PAGE NUMBER	SERVICE POINTS	NUMBER OF POINTS	FREQUENCY IN HOURS					
			CHECK	CHANGE	REPLACE	LUBRICATE	CLEAN	DRAIN WATER
178	Engine Oil (See Note 2)			500				
178	Engine Oil Filter (See Note 2)				500			
225	Air Conditioning Compressor Belt (If Equipped)		250					
230	Battery Fluid Level (See Note 3)		500					
149	Tire Condition and Air Pressure		250					
203	Cab Air Filter (If Equipped)						250	
190	Fuel Filter				500			
189	Fuel Tank							500
222	ROPS and Seat Belt Mounting Bolts		500					
194	Hydraulic Filters				1000			
198	Transmission Filter (See Note 1)				1000			
198	Transmission Oil			1000				
198	Transmission Breather						1000	
167	Upper and Lower Chassis Pivots	2				1000		
168	Center Driveshaft Slip Joint					1000		
202	Front Axle Differential and Planetary Oil			1000				
200	Axle Oil Level Front and Rear	2	500					

NOTE 1: *Replace the transmission filter if the transmission filter restriction warning lamp illuminates or after 1000 hours, whichever comes first.*

NOTE 2: *Reduce to 250 hours if Case AKCELA No. 1 Engine Oil is not used.*

NOTE 3: *In High Temperature conditions, check every 250 hours.*

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