CX55B
Tier 4
Compact Hydraulic Excavator

PIN NETN55001 (PS04-10001) and above

OPERATOR'S MANUAL

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CASE CONSTRUCTION

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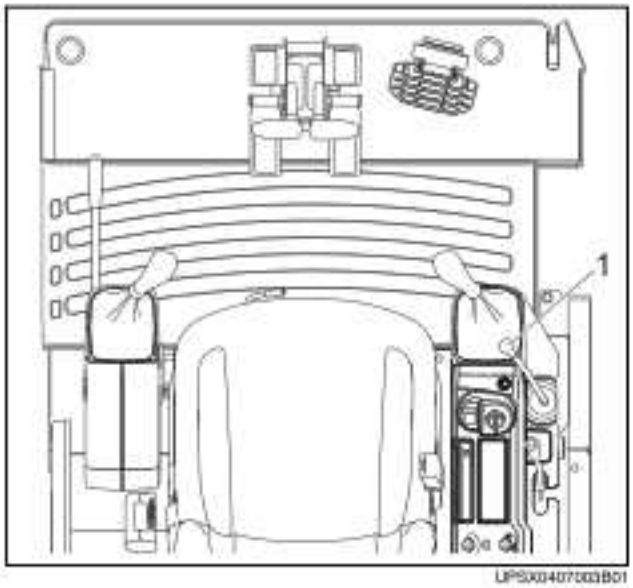
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ANGLE DOZER

The angle dozer blade can move up, down, or change its angle with a single control lever.



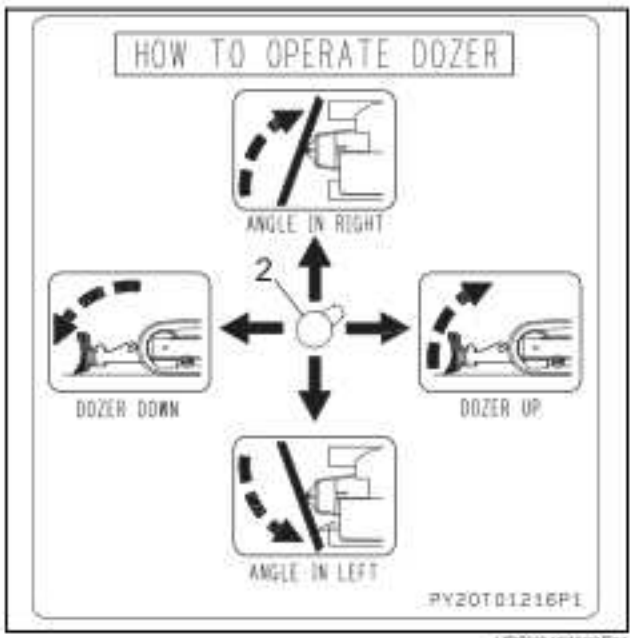
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1. DOZER CONTROL LEVER

DOZER CONTROL LEVER

The angle dozer control lever (1) is located next to the right control stand. This lever can be used to move the dozer blade up or down, or change its angle right or left.

Release the lever and it returns to NEUTRAL position. The dozer blade remains in position.



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2000 HOUR MAINTENANCE

Perform the following procedures after 2000 hours of operation along with the Daily, 50 Hour, 250 Hour, 500 Hour, 1000 Hour and 1500 Hour Maintenance procedures.

⚠ WARNING ⚠

Read, understand and follow all safety precautions contained in this manual before performing any inspection or maintenance procedures on this machine, its system or components. Failure to comply could result in death or serious injury.

M1087

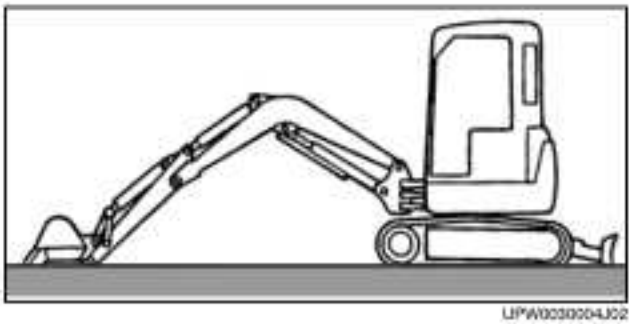
CLEAN THE SUCTION STRAINER

WARNING: *Hydraulic fluid is under extreme pressure. Make certain all pressure is released in the hydraulic system. Failure to comply could result in death or serious injury.* M1295

WARNING: *Touching hot surfaces could cause burns. The engine and components will be hot after the machine has been running. Allow the engine and components to cool before servicing the machine. Failure to comply could result in death or serious injury.* M1333

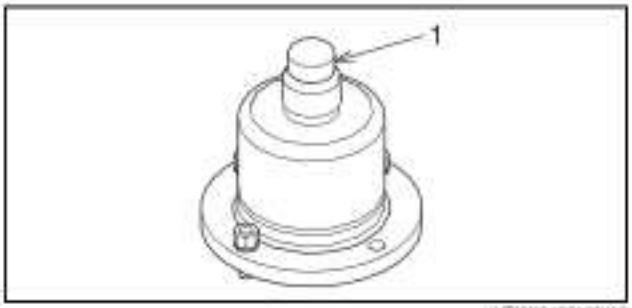
1. Park machine on firm level ground in the hydraulic level checking position, stop engine.
2. Move safety lock lever to "LOCKED" position.
3. Open the right side cover and support it with stay.
4. Remove the guard.
5. Clean the surface around hydraulic tank to prevent intrusion of foreign matter.
6. Press the rubber cup (1) on the surface of hydraulic tank several (5 to 7) times.
7. Loosen four capscrews (2) and remove cover (3).

NOTICE: *Be careful not to drop bolts or tools into the tank while working.*



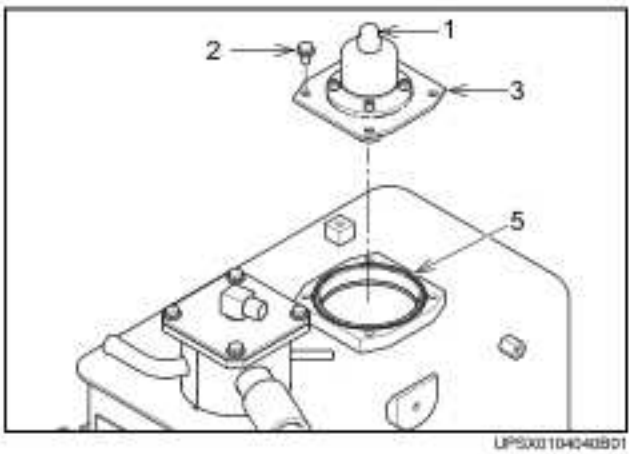
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HYDRAULIC LEVEL CHECKING POSITION



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1. RUBBER CUP

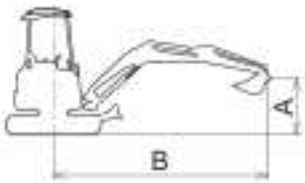


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1. RUBBER CUP
2. CAPSCREW
3. COVER
5. O-RINGS

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LIFT CAPACITIES CANOPY MODEL



Machine equipped with 1.685 m (5 ft. 6in) arm
Lift capacities calculated using 15.7 in (400 mm) shoes and SAE heaped 0.2 cu. yd. (0.16 m^3 kg) bucket.

B / A		LIFT POINT RADIOUS												AT MAX. REACH		
		5' (1.5m)		7.5' (2.3m)		10' (3.0m)		12.5' (3.8m)		15' (4.6m)		17.5' (5.3m)				RADIOUS
15' (4.6 m)	lb							* 1740	* 1740					* 1880	1870	13'5"
	kg							* 780	* 780					* 850	840	(4.11m)
12.5' (3.8 m)	lb							* 1660	* 1660	* 1840	1560			1740	1440	15'7"
	kg							* 750	* 750	* 830	700			780	650	(4.76m)
10' (3.0 m)	lb							* 1860	* 1860	1860	1550			1480	1230	16'11"
	kg							* 840	* 840	840	700			670	550	(5.17m)
7.5' (2.3 m)	lb					* 2640	* 2640	* 2280	2050	1820	1510	1390	1140	1340	1110	17'8"
	kg					* 1190	* 1190	* 1030	920	820	680	630	510	600	500	(5.43m)
5' (1.5 m)	lb			* 4920	4280	3420	2760	2380	1950	1770	1450	1360	1120	1270	1040	18'2"
	kg			* 2230	1940	1550	1250	1070	880	800	650	610	500	570	470	(5.54m)
2.5' (0.8 m)	lb			* 2900	* 2900	3230	2590	2280	1860	1710	1400	1330	1090	1260	1030	18'1"
	kg			* 1310	* 1310	1460	1170	1030	840	770	630	600	490	570	460	(5.53m)
GROUND LEVEL	lb			* 4010	3940	3140	2500	2210	1790	1670	1360	1320	1070	1300	1060	17'8"
	kg			* 1810	1780	1420	1130	1000	810	750	610	590	480	580	480	(5.39m)
-2.5' (-0.8 m)	lb	* 4000	* 4000	5190	3950	3110	2470	2180	1760	1650	1350			1400	1150	16'9"
	kg	* 1810	* 1810	2350	1790	1410	1120	980	790	740	610			630	520	(5.11m)
-5' (-1.5 m)	lb	* 5810	* 5810	5240	4010	3120	2490	2190	1770	1660	1360			1630	1330	15'3"
	kg	* 2630	* 2630	2370	1810	1410	1120	990	800	750	610			730	600	(4.65m)
-7.5' (-2.3 m)	lb	* 8040	* 8040	5350	4100	3190	2540	2240	1820					2130	1730	12'11"
	kg	* 3640	* 3640	2420	1850	1440	1150	1010	820					960	780	(3.95m)
-10' (-3.0 m)	lb	* 5820	* 5820	* 3540	* 3540									* 2780	* 2780	8'11"
	kg	* 2630	* 2630	* 1600	* 1600									* 1260	* 1260	(2.71m)

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NOTE: ** Rated loads marked with an asterisk are hydraulic limits rather than tipping load limits.*

NOTICE: *Do not attempt to lift or hold any load greater than these lift capacities at the specified lift point radius and height. Weight of all accessories must be deducted from the above lift capacities.*

NOTICE: *Lift capacities are based on the machine standing on firm, level and uniform ground. User must make allowance for soft or uneven ground, side loads, sudden sloping of loads, hazardous conditions, inexperienced operators, etc.*

NOTICE: *Bucket lift hook is defined as lift point.*

NOTICE: *Above lift capacities are in compliance with SAE J/ISO 10567. They do not exceed 87% of hydraulic lift capacity or 75% of tipping load. Lift capacities marked with an asterisk (*) are limited by hydraulic capacity rather than tipping load.*

NOTICE: *Operator should be fully acquainted with the machine and adhere to the rules for safe operation of the equipment at all times.*

NOTICE: *Lift capacities are based on the condition that the machine and its attachments are manufactured by our company.*

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WARNING DISPLAY SCREEN

The warning display has the order of priority (A and B) and when many troubles occurred at the same time, contents in "PRIORITY A" is displayed in priority to those in "PRIORITY B".

WARNING:
WHEN WARNINGS ARE DISPLAYED.These displays show the warnings that may lead to serious troubles. Stop the operation immediately, investigate the causes and take proper measures.

1. WARNING CLASSIFICATION (PRIORITY A)

Displays	Level	Warning Contents	Remedy
IMPOSSIBLE TO DISPLAY MONITOR	1	The mechatro controller does not send data.	Contact our dealer/distributor for inspection and maintenance.
ENGINE IS ABOUT TO STOP ENGINE SYSTEM SENSOR ERROR	1	The engine controller judged the status as a disorder.	

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2. WARNING CLASSIFICATION (PRIORITY B)

Displays	Level	Warning Contents	Remedy
SOOT IS DEPOSITED IN ENGINE CONTINUE OPERATION	2	A certain quantity or more of soot is deposited in the engine.	Perform the heavy duty work as much as possible to rise the temperature in the engine.
OPERATION UNDER LIMITED ENGINE POWER SOOT IS DEPOSITED IN ENGINE DECREASE ENGINE SPEED	2	Soot is deposited in the engine and it should be burnt.	Lower the engine speed to low idling.
OPERATION UNDER LIMITED ENGINE POWER SOOT IS DEPOSITED IN ENGINE PULL UP SAFETY LOCK LEVER AND PRESS MANUAL REGENERATION SW	2	Soot is deposited in the engine and it should be burnt.	Pull up the safety lock lever and press the manual regeneration switch.
LOW ENGINE PRESSURE STOP ENGINE CHECK ENGINE OIL LEVEL	3	The engine oil pressure is at the specified value or less.	Immediately stop the engine and check the engin oil level. If the level is low, supply the specified engine oil or replace the old engine oil with the ne specified engine oil by referring to "LUBRICANT, FUEL & COOLANT SPECIFICATIONS".
OVER HEAT DO NOT WORK UNTIL ENGINE GETS COLD, WITHOUT STOPPING	3	The temperature of engine coolant is at the specified value or more.	Stop the operation and set the engine speed to low idling to lower the coolant temperature and cool down the engine. After few minutes, if the warning is still displayed, stop the engine and check the coolant level, tension of the fan belt, and clogging of the radiator.
FUEL LEVEL INDICATION IS NOT CORRECT PAY ATTENTION TO FUEL LEVEL	3	Disorder of the sensor, etc. occurs. The indications are the failure content and the error code.	Contact our dealer/distributor for inspection and maintenance.
ENGINE IS BEING CLEANED AREA AROUND MUFFLER IS HOT	4	The engine is being cleaned (regeneration).	Continuation of the operation is possible. Use caution to the area around the muffler. That becomes a high temperature.
ENGINE IS BEING CLEANED AREA AROUND MUFFLER IS HOT /10	4	The engine is being cleaned (regeneration) by the manual regeneration.	Keep the status that the key switch is ON, the engine speed is at low idling, and the safety lock lever is pulled up. Wait until the indication disappear
CHARGE ERROR TURN STARTER SWITCH OFF	4	Disorder of the battery occurs. (High voltage/ low voltage charge error) If the warning does not disappear after a while from the engine start, or if the warning appears while the engine is running, the battery is not charged properly.	Check the electric devices for working condition and check the charging circuit.
LOW FUEL LEVEL SUPPLY FUEL	4	The fuel level is at the specified level or less.	Supply the specified fuel.

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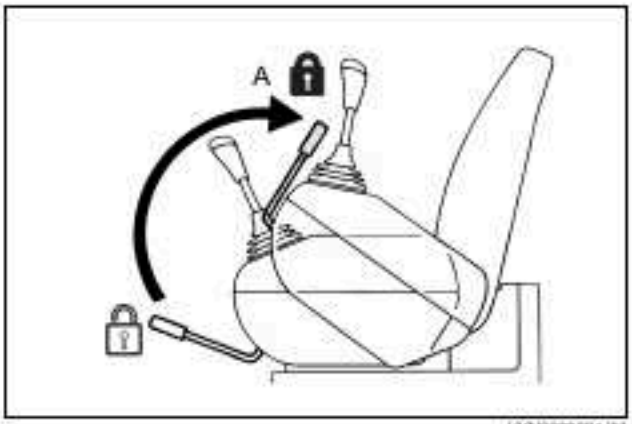
WINDOWS

Opening and Closing Upper Front Window

WARNING: *A falling window can cause injury to you or others. Always make sure to properly lock the front window in place to avoid injury. Failure to comply could result in death or serious injury.* **M1709**

WARNING: *When closing the upper front window, keep in mind that its weight will cause it to drop down very quickly. Hold it securely with both hands. When storing the front window, pull the safety lock lever up to the LOCKED position and stop the engine.*

1. Park the machine on level ground, put the bucket on the ground and pull the safety lock lever UP to the LOCKED position. Stop the engine.
2. To unlock the upper front window, push down the lock levers (1) located on the right and left sides of the window.
3. Hold the right and left handles of the front window and slide the front window overhead all the say to the back end of the ceiling until the window is locked.
4. To close the upper front window, follow the procedure described in Steps 2 and 3 in reverse.



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A. LOCKED POSITION

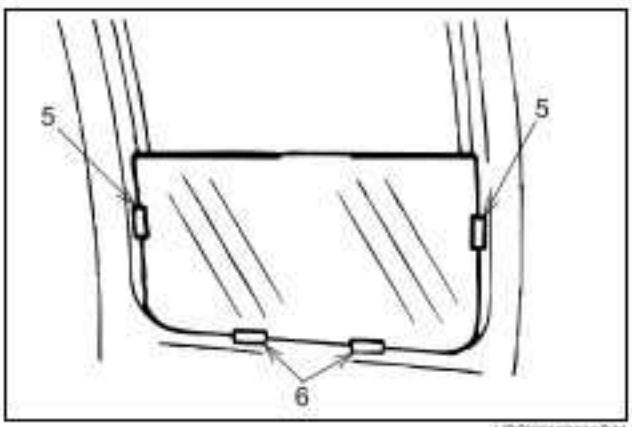


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A. LOCKED POSITION

Removing and Storing Lower Front Window

1. After placing the upper front window in the ceiling, hold the lower front window and remove it from the frame.
2. Store the removed lower front window in the holder in the rear of the cab behind the operator's seat.
3. To store the window, insert the right and left sides of the glass into the holders (5) and support it with the holders (6) on the lower section of the window frame.



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5. SIDE HOLDERS
6. LOWER HOLDERS

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