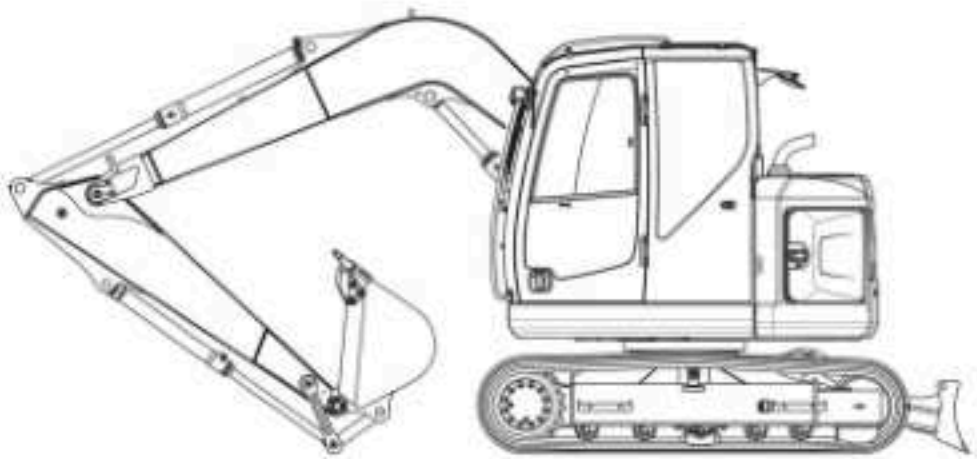
OPERATOR'S MANUAL

E70BSR

Hydraulic Excavator

from PIN YT06 - 18001 and higher



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NEW HOLLAND CONSTRUCTION

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SAFETY, DECALS, AND HAND SIGNALS

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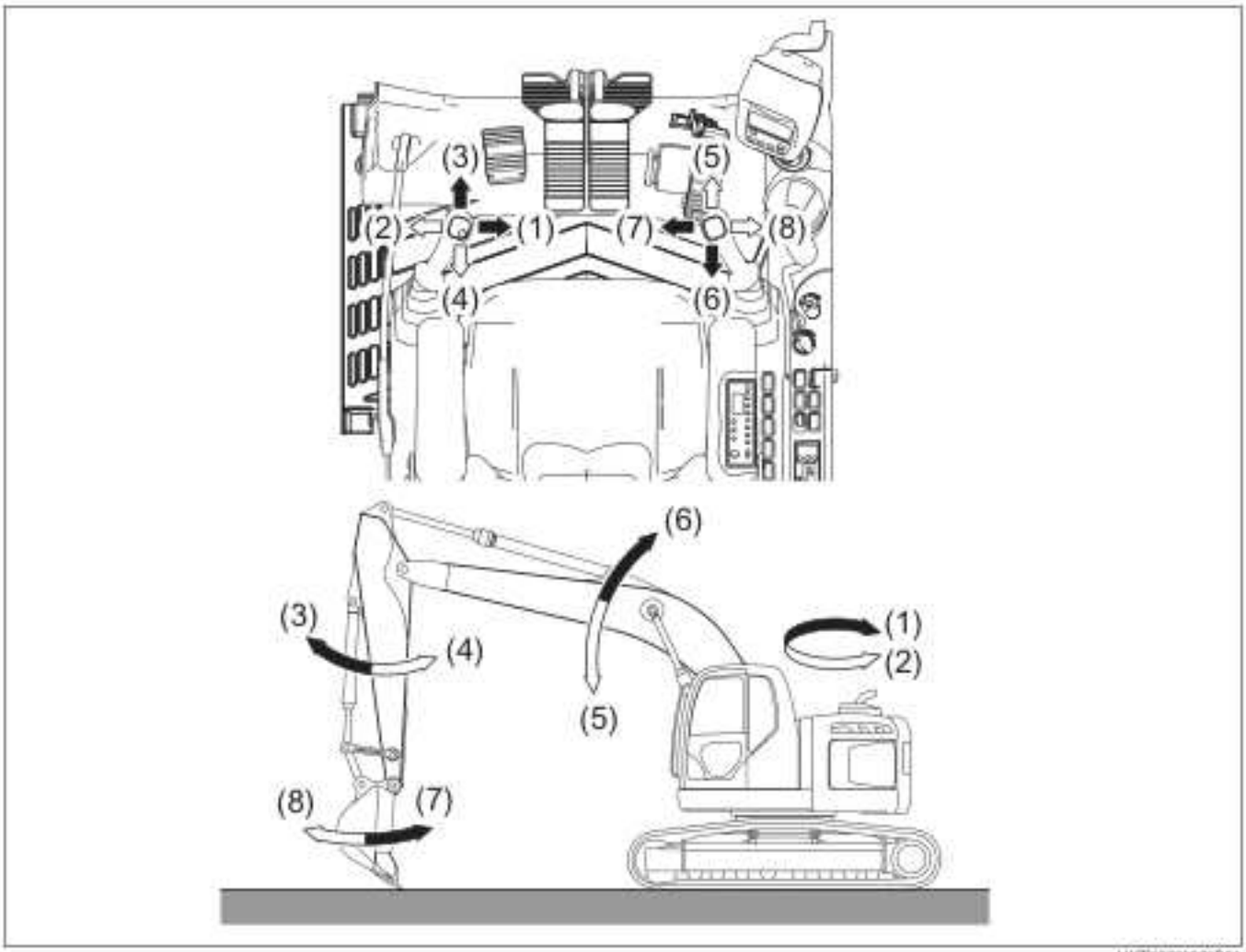
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CONTROL LEVERS (ISO CONTROL PATTERN) FOR RIGHT AND LEFT HAND

⚠ WARNING ⚠

Check and make sure that operations pattern control matches the decal provided inside the right side window. Failure to comply could result in death or serious injury.

M1713



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LEFT CONTROL LEVER

1. SWING RIGHT
2. SWING LEFT
3. ARM OUT
4. ARM IN

RIGHT CONTROL LEVER

5. BOOM DOWN
6. BOOM UP
7. BUCKET DIGGING
8. BUCKET DUMPING

Two ISO operating pattern control levers activate the operations shown.

The left control lever controls the upper structure and arm. The right control lever controls the boom and bucket.

Release the hand and the lever returns to the neutral position and the attachment stops moving.

It is possible to perform various operations simultaneously.

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500 HOUR MAINTENANCE

Perform the following procedures after 500 hours of operation along with the Daily, 50 Hour, 120 Hour, and 250 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

⚠ WARNING ⚠

To help prevent personal injuries during operation and maintenance, use safety shoes, a hard hat, safety glasses or goggles and good fitting clothing. Failure to comply could result in death or serious injury.

M1108

REPLACE ENGINE OIL AND OIL FILTER

⚠ WARNING ⚠

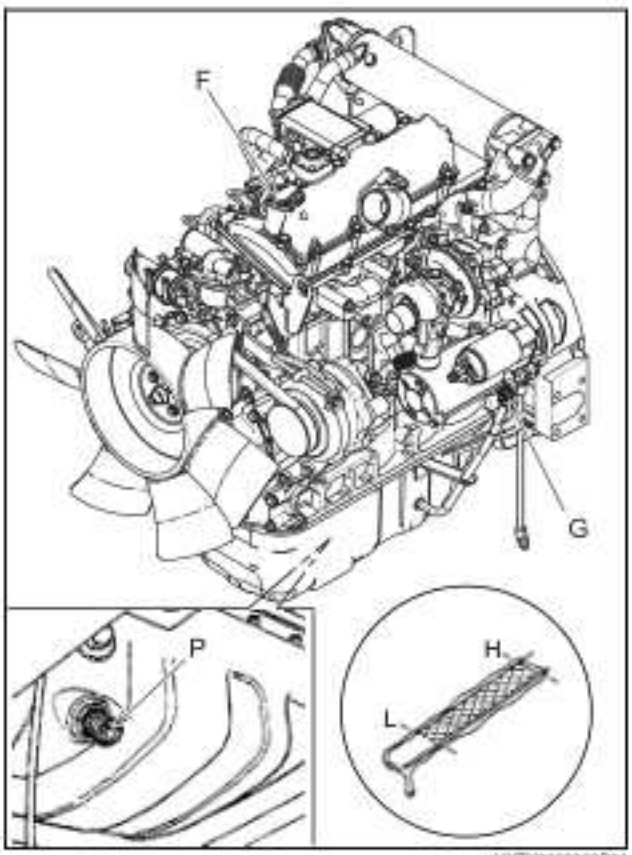
Touching hot surfaces could cause burns. The engine and components will be hot after the machine has been running. Allow the engine and components to cool before servicing the machine. Failure to comply could result in death or serious injury.

M1333

NOTICE: *The engine oil filter on this machine is located remote from the engine on the inside of the door on the right rear side of the machine. When the filter is replaced, idle the machine for several minutes to allow the oil to reach the engine.*

NOTICE: *Replace engine oil after 50 hours of operation for the first use of a new machine.*

NOTICE: *Replace the engine oil filter simultaneously with the engine oil change.*



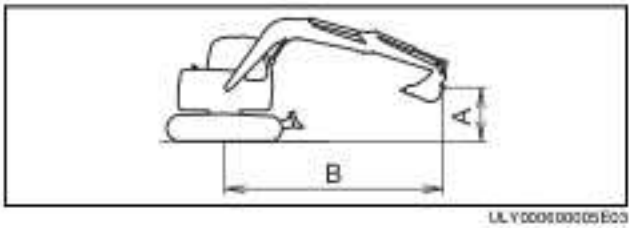
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F. OIL FILLER CAP
G. OIL LEVEL GAUGE
H.
L.
P. DRAIN PLUG

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STANDARD MACHINE WITH 2.13 M (7' 0") ARM AND 600 MM (23.6" SHOES) AND 0.29 CU YD (0.22 M^3) BUCKET

Lifting capacity specifications are based on the standard machine with 2.13 m (7' 0") arm and 600 mm (23.6") shoes and SAE heaped 0.29 cu yd (0.22 m^3) bucket.



ULY0006000050E03

A		5' (1.5m)		10' (3.0m)		15' (4.6m)				RADIOUS
20'	lb							* 2990	* 2990	12'–1"
(6.1 m)	kg							* 1350	* 1350	(3.70m)
15'	lb					* 3490	3000	* 2630	2430	16'–7"
(4.6m)	kg					* 1580	1360	* 1190	1100	(5.07m)
10'	lb			* 4810	* 4810	3410	2850	2210	1830	18'–10"
(3.0m)	kg			* 2180	* 2180	1540	1290	1000	830	(5.74m)
5'	lb			6290	5050	3140	2600	1960	1610	19'–6"
(1.5m)	kg			2850	2290	1420	1180	880	730	(5.96m)
GROUND	lb	* 3970	* 3970	5700	4510	2920	2380	1980	1610	18'–11"
LEVEL	kg	* 1800	* 1800	2580	2040	1320	1080	890	730	(5.78m)
-5'	lb	* 7870	* 7870	5540	4370	2830	2300	2340	1910	16'–11"
(-1.5m)	kg	* 3570	* 3570	2510	1980	1280	1040	1060	860	(5.16m)
-10'	lb	* 7330	* 7330	* 4580	4520			* 3340	3090	12'–8"
(-3.0m)	kg	* 3320	* 3320	* 2070	2050			* 1510	1400	(3.87m)

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

Lift capacities are based on machine standing on level, firm and uniform round.

User must make allowance for job conditions such as soft or uneven ground out of level conditions, side loads, sudden stopping of loads, hazardous conditions, experience of personnel, etc.

Bucket lift hook is defined as lift point.

The 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.

Operator should be fully acquainted with the operator's machine and rules for safe operation of equipment should be adhered to at all times.

Lift capacities apply to only machine as originally manufactured and normally equipped by the manufacturer.

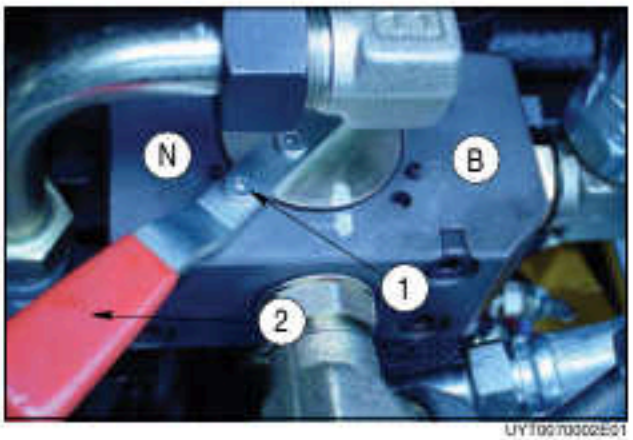
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Setting the selector valve

1. Position the attachment on the ground and stop the engine.
2. Place the safety lock lever in the LOCKED (up) position.
3. Use a 3 mm Allen wrench to loosen and remove bolt (1) on the selector valve lever.
4. Turn the selector valve lever (2) to the desired position.

   To operate the nibbler, move the selector valve lever toward the N marked on the valve (N).

   To operate the breaker, move the selector valve toward the B marked on the valve (B).
5. After positioning the lever, use the Allen wrench to tighten the bolt.



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1. BOLT
2. SELECTOR VALVE LEVER
N. NIBBLER
B. BREAKER

Setting the stop valve

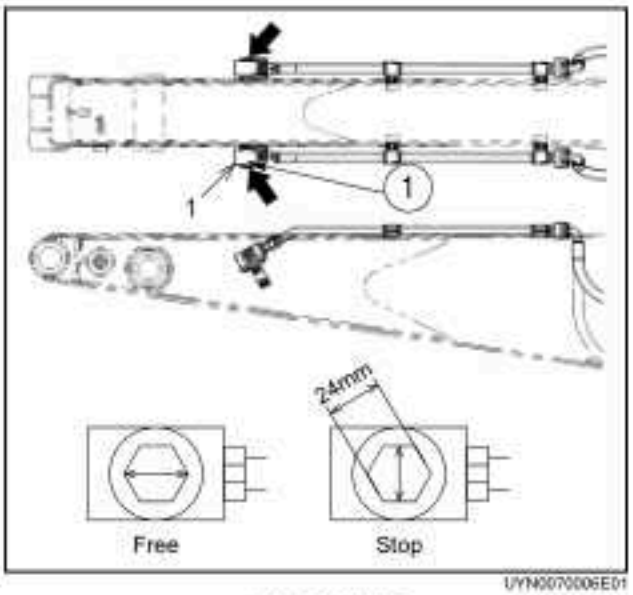
The stop valve (1) located on the top end of the excavator arm is used to stop the flow of hydraulic oil.

The diagram at right depicts the flow:

Free: Hydraulic oil flows

Stop: Hydraulic oil stops flowing

Before removing the attachment set the stop valve to the STOP position.



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1. STOP VALVE

Tools used

STOP VALVE	LOCATION	TOOLS
(1)	ARM	SPANNER (24 MM)

Using the foot pedal

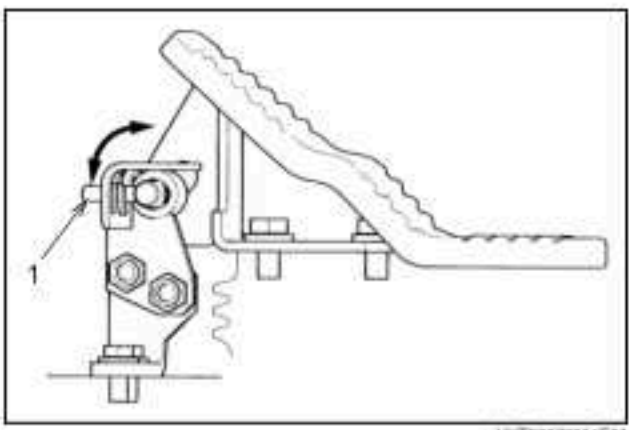
1. To operate the pedal, release the pedal lock on the right front side of the driver's seat.

NOTICE: *Always check the foot pedal control pattern before operation.*

⚠ WARNING ⚠

Do not attempt to operate or service this machine unless you have first read and perfectly understood the safety messages and instructions appearing in this manual. Failure to comply could result in death or serious injury.

M1087

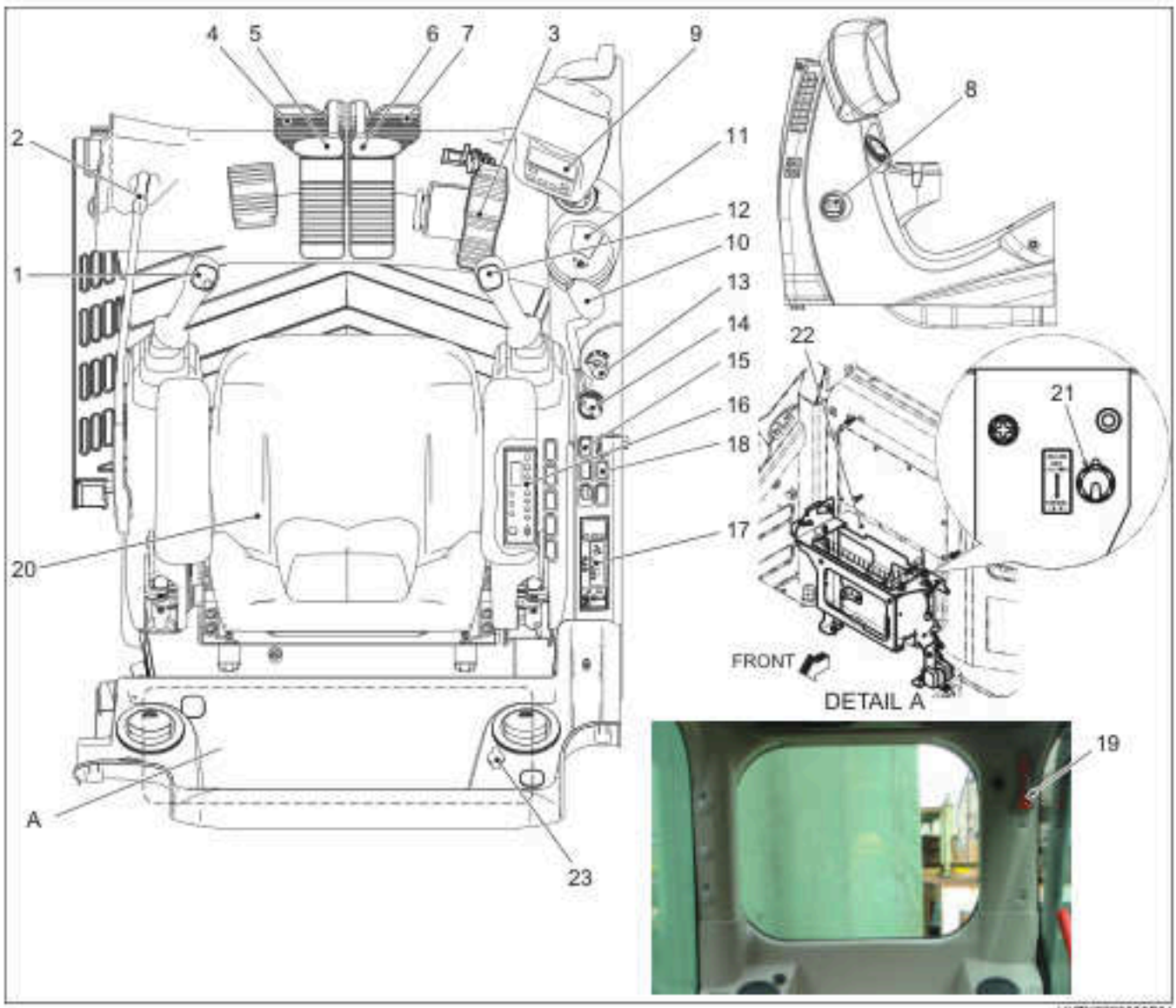


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1. PEDAL LOCK

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OPERATOR CAB CONTROLS AND ACCESSORIES



1. LEFT HAND OPERATOR CONTROL LEVER (HORN SWITCH)
2. SAFETY LOCK LEVER (FOR HYDRAULICS)
3. OPERATING PEDAL (BREAKER AND NIBBLER OPTION)
4. LEFT TRAVEL PEDAL
5. LEFT TRAVEL LEVER
6. RIGHT TRAVEL LEVER
7. RIGHT TRAVEL PEDAL
8. HOUR METER
9. GAUGE CLUSTER
10. DOZER OPERATING LEVER
11. CUP HOLDER
12. RIGHT HAND OPERATOR CONTROL LEVER
13. STARTER KEY SWITCH
14. THROTTLE POTENTIOMETER
15. WORKING LIGHT SWITCH (BOOM, DECK)
16. TUNER
17. AIR CONDITIONER CONTROL PANEL
18. CAP FOR OPTIONAL SWITCH
19. EMERGENCY HAMMER
20. OPERATOR SEAT
21. SWING PARKING BRAKE RELEASE SWITCH
22. FUSE AND RELAY BOX
23. 12-VOLT POWER SUPPLY

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