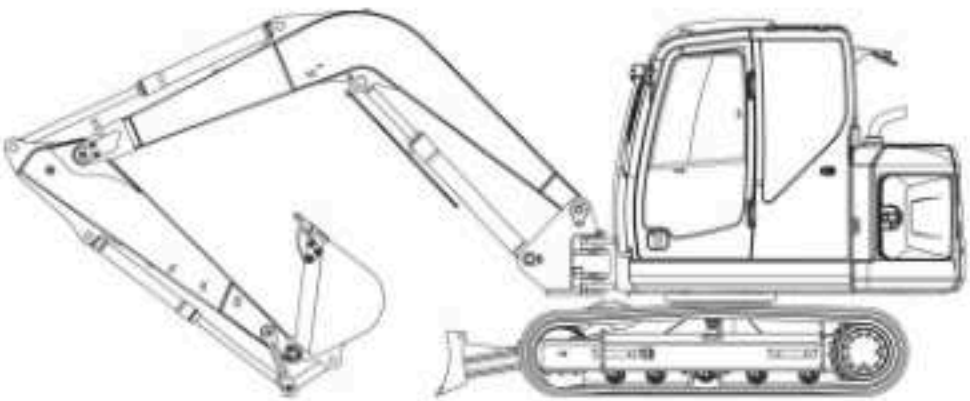
OPERATOR'S MANUAL

E80BMSR

Hydraulic Excavator

from PIN LF06 - 04501 and higher



Part number S2LF00013ZE01
1st edition English
October 2010

NEW HOLLAND CONSTRUCTION

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SAFETY, DECALS, AND HAND SIGNALS

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1. Do Not Use Counterweight Lifting Eyes Decal

Located on each side of counterweight.

Part Number - YN20T01221P1
(2 required, one for each side of counterweight)

Do not use counterweight lifting eyes to lift whole machine. Lifting eyes can fall under this load, resulting in personal injury. Refer to Operator's Manual for proper way to lift machine.



ULCD0010026E01

2. Working Above Ground Decal

Located on fuel tank

Part Number - YN20T01049P1

When servicing or repairing machine, keep surfaces free of oil, water, grease, tools, etc. to avoid possible slipping and/or falling from machine, which can cause personal injury.



UYF00010011E01

3. Pressurized Hot Oil Decal

Located on top of hydraulic tank

Part Number - PW20T01007P1

Pressurized hot oil can cause burns.
Depress cap slowly with engine oil to relieve hydraulic tank pressure.



UYH00010002w01

4. Swing Decal

Located on each side of the rear counterweight

Part Number - PE20T01014P1
(2 required)

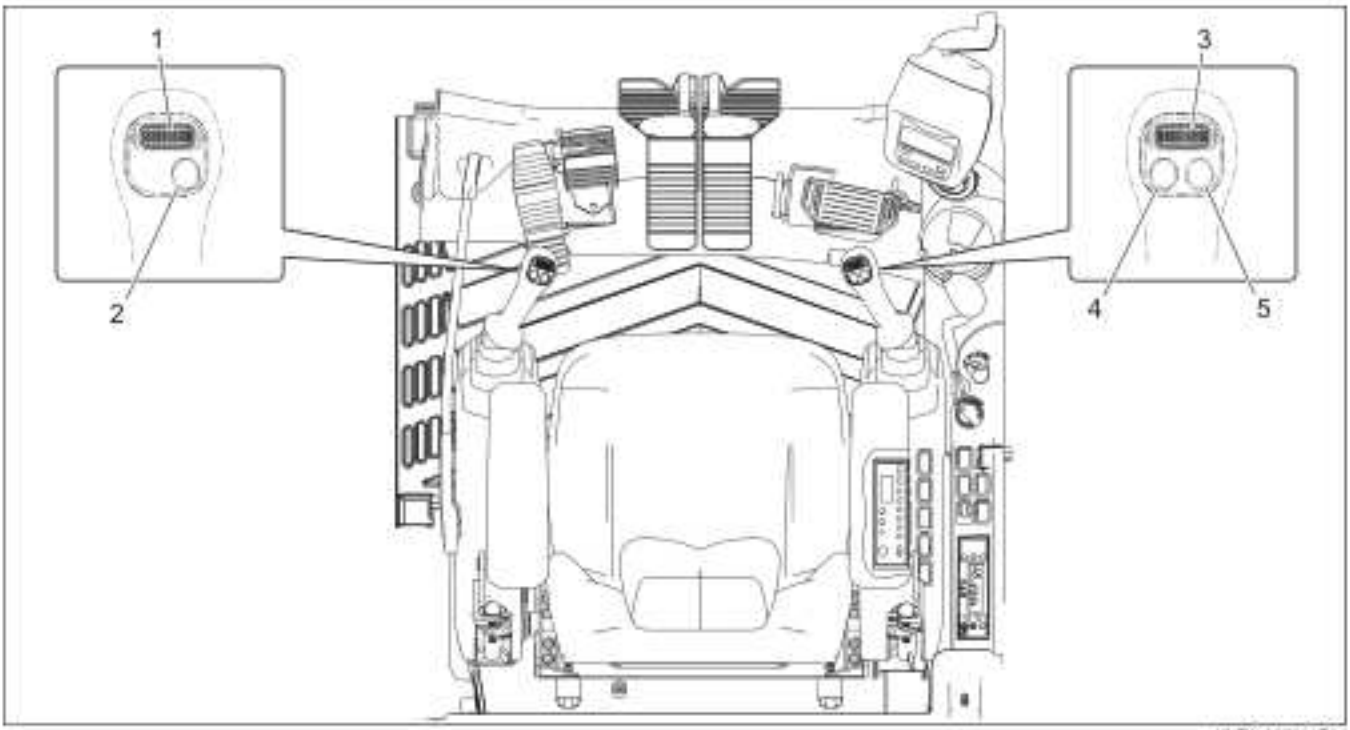
DANGER: Keep clear of swing area



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PROPORTIONAL HAND CONTROL (EXTRA, NIBBLER, AND BREAKER)



ULFX1307001E01

LEFT HAND CONTROL LEVER SWITCH
1. EXTRA CONTROL SWITCH
2. HORN SWITCH

RIGHT HAND CONTROL LEVER SWITCH
3. NIBBLER (CRUSHER) CONTROL SWITCH
4. BREAKER CONTROL SWITCH
5. RESERVE SWITCH

⚠ WARNING ⚠

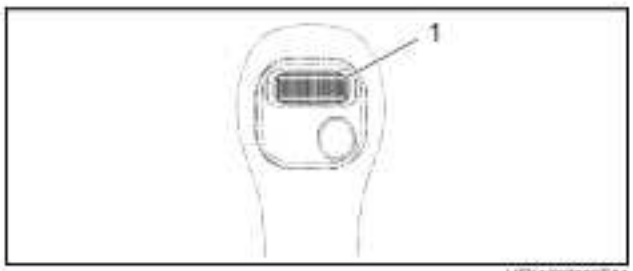
Do not attempt to operate or service this machine unless you have first read and perfectly understood the safety messages and instructions appearing in this manual. Failure to comply could result in death or serious injury.

M1087

Extra hand control

To actuate the "extra operation" control, slide the switch (1) located on the left control lever. The hydraulic flow rate increases according to the slide distance of the option switch.

Extra Hand Control Switch Operation Procedure	Oil Flow
Slide to the left	Extra (LH)
Slide to the right	Extra (RH)



UFX1707002E01

1. EXTRA HAND CONTROL SWITCH

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250 HOUR MAINTENANCE

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

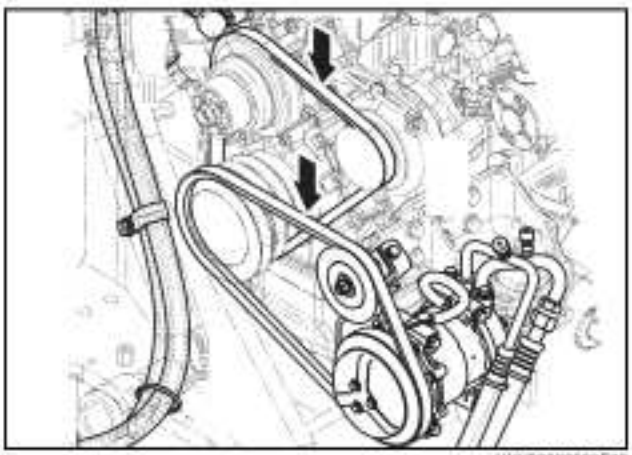
M110B

CHECK FAN, ALTERNATOR, A/C BELTS WEAR AND TENSION

⚠ WARNING ⚠

Entanglement Hazard - Stay clear! Rotating machine parts. Keep shields installed to help protect from clothing entanglement and injury. Wear close-fitted clothing. Failure to comply could result in death or serious injury.

M124B



UYV00030009E02

NOTICE: *If defects such as cuts or surface separations are found during inspection, replace the belt. Keep oil and grease away from the belt, since they may cause the belt to slip and shorten the service life.*

This machine is equipped with belts for alternator, fan and air conditioning.

1. Check these belts for insufficient tension, wear and damage.
2. Check belts for slack, and adjust the tension properly to maintain engine performance and service life. To check the tension of a belt, press your thumb on the center. If the deflection is within the range shown in the table, it is in normal tension.

Belt	When new belt replaced mm (in)	When inspected mm (in)	Force N (lbf)
Alternator, Fan	4 to 6 mm (0.16 to 0.24")	7 to 9 mm (0.28 to 0.35")	98 (22)
Air-conditioner	3 to 4 mm (0.12 to 0.16")	5 to 6 mm (0.20 to 0.24")	24 (5.2)

NOTICE: *When replacing a belt, there is a lack of initial adaptability of the new belt. Run the engine at idling speed for about three or five minutes. After that, adjust the belt tension again. New belts get complete initial elongation after being run about two hours.*

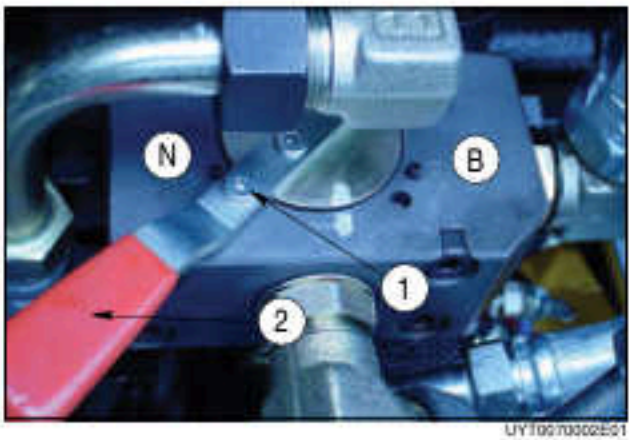
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Setting the selector valve

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.



UYT0070002E01

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:

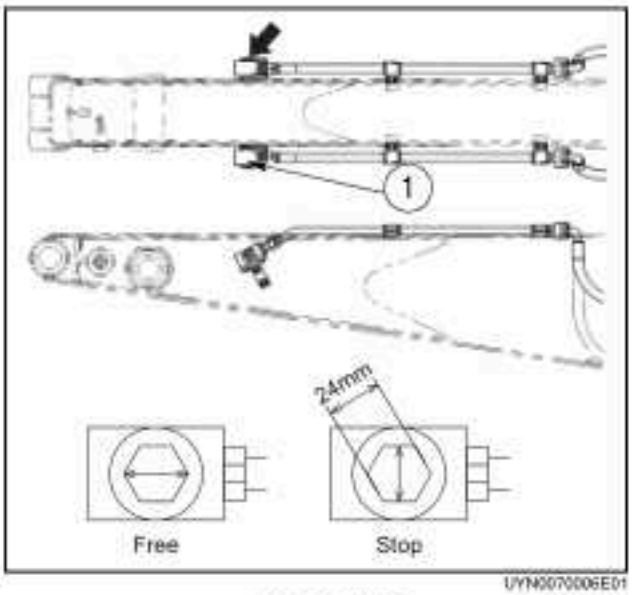
Free: Hydraulic oil flows

Stop: Hydraulic oil stops flowing

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

Tools used

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



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1. STOP VALVE

Using the foot pedal

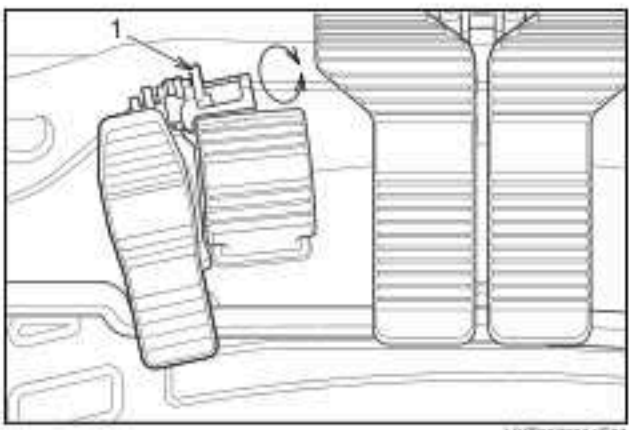
NOTICE: *Always check the foot pedal control pattern before operation.*

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

⚠ 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.

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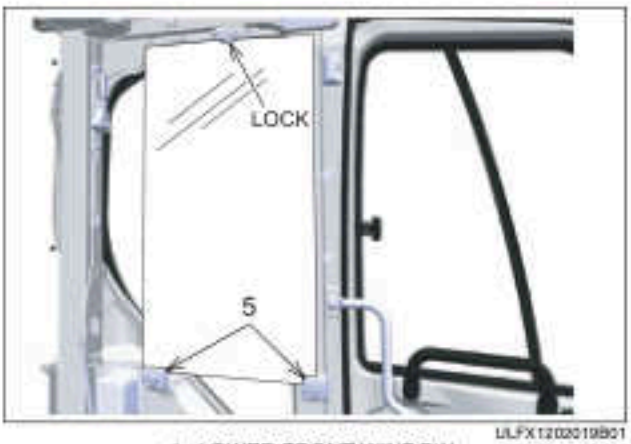


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1. PEDAL LOCK

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REMOVING AND STORING LOWER FRONT WINDOW

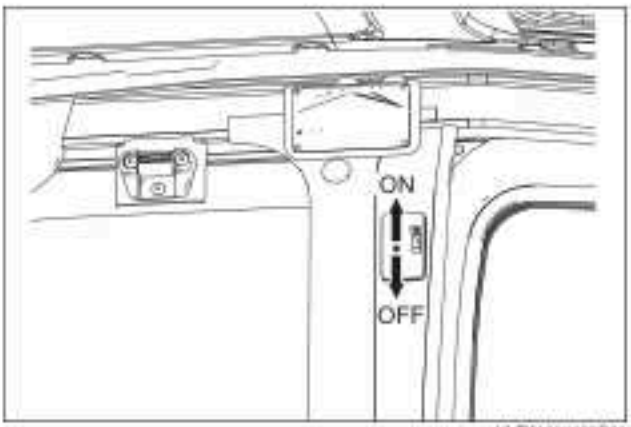


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1. LOWER FRONT WINDOW

1. After placing upper front window in ceiling, and locking it in place, remove lower front window by hand lifting it from the window frame.
2. Securely store the removed lower front window in holder in the rear of cab behind the operator's seat.

CAB DOME LIGHT



ULFX1202020B01

1. CAB DOME LIGHT

1. Turn cab dome light ON by pushing the dome light switch upward.
2. The light goes out in the neutral position.
3. Turn OFF by pushing the switch downward.

EMERGENCY ESCAPE



UYTX2702002E01HAMMER

19.EMERGENCY HAMMER

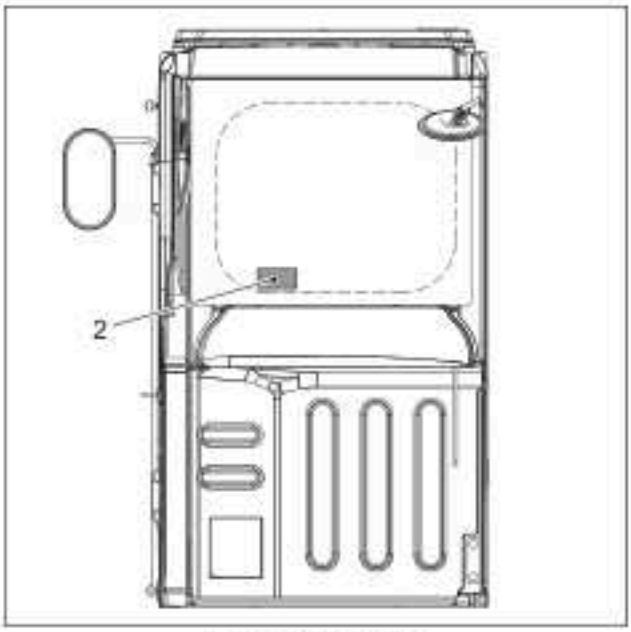
Be proactive and familiarize yourself with the emergency exits and emergency hammer.

In an emergency if the cab door cannot be opened, escape can be made through the front or rear windows or skylight. For how to open the windows, see the instructions in this section.

If it is impossible to open the front window, use the emergency hammer (19) to break it. The hammer is mounted on the rear right side of the cab.

If the front window is unavailable for escape, use the rear window and if it cannot be opened, use the hammer to break it.

If the rear window is unavailable, use the skylight and if the skylight cannot be opened, use the hammer to break it.



REAR INSIDE OF CAB

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