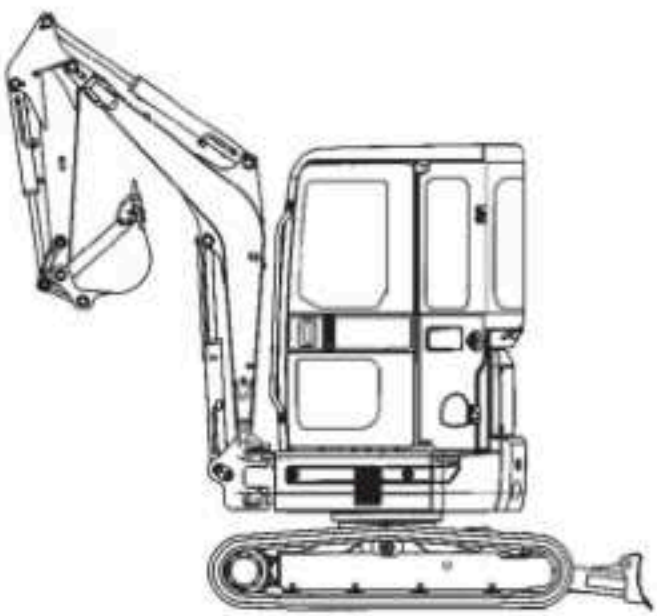
# OPERATOR'S MANUAL

## E30B

Compact Hydraulic Excavator

*PIN number PW14 - 46519 and higher*



**Part number S2PW00041ZE02**
1st edition English
August 2010

NEW HOLLAND CONSTRUCTION

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CHAPTER 2

# SAFETY, DECALS, AND HAND SIGNALS

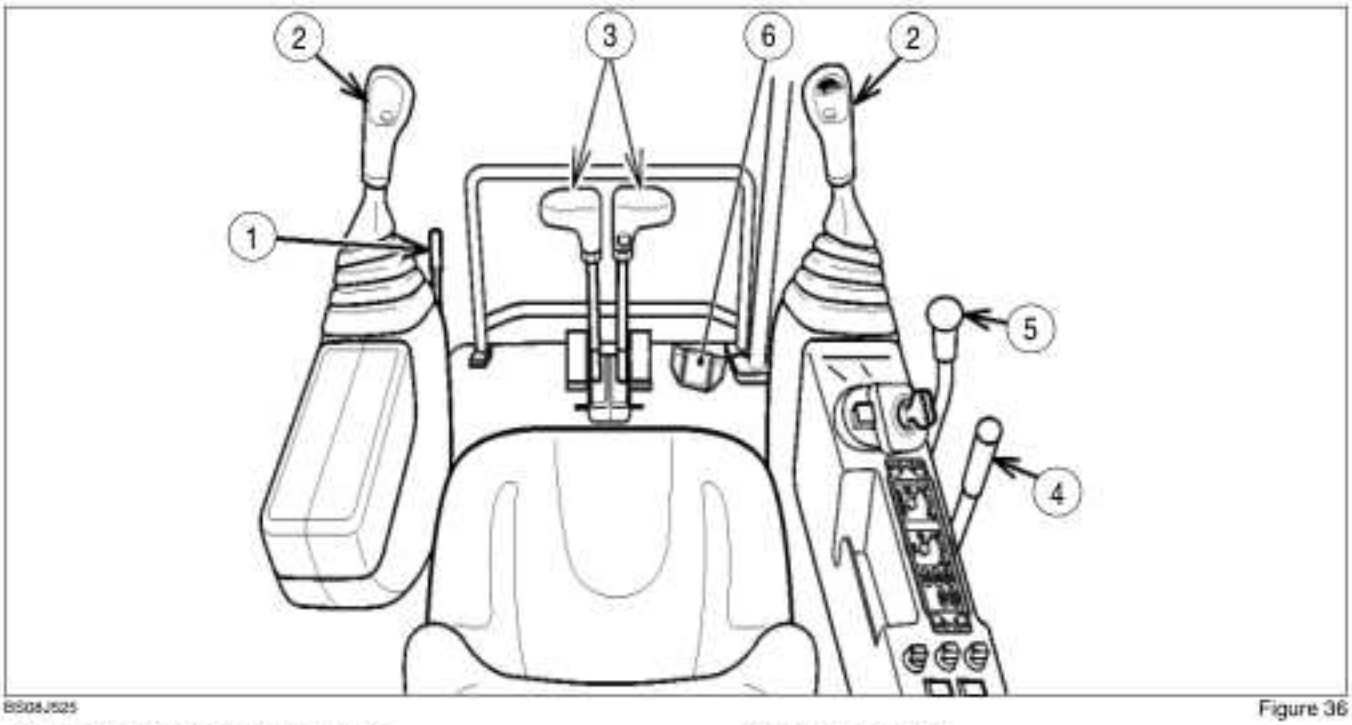
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## LEVERS AND PEDALS

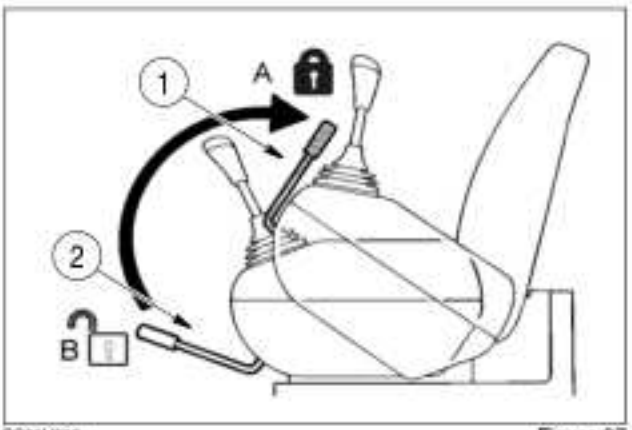



BS08J525

Figure 36

1. Hydraulic Safety Lock Lever
2. Right/Left Control Levers
3. Travel Levers with Pedals
4. Throttle Levers
5. Dozer Control Lever
6. Boom Swing Operating Pedal

## HYDRAULIC FUNCTION SAFETY LOCK LEVER




BS05H080

Figure 37

1. SAFETY LOCK LEVER IN LOCKED (UP) POSITION
2. SAFETY LOCK LEVER IN UNLOCK (DOWN) POSITION

A hydraulic function safety lock lever is provided on the left control console to avoid activation of any unwanted hydraulic function. When the function safety lock lever is placed in the unlock (down) position, the alarm will sound intermittently for one (1) second and the hydraulic system becomes active. Before leaving the cab, shut down the engine, and always place the function safety lock lever in the locked (up) position.

**⚠ WARNING ⚠**

*Always place the hydraulic safety lock lever in the locked (up) position before leaving the cab. Never leave the machine unattended with engine running. Failure to comply could result in death or serious injury.*

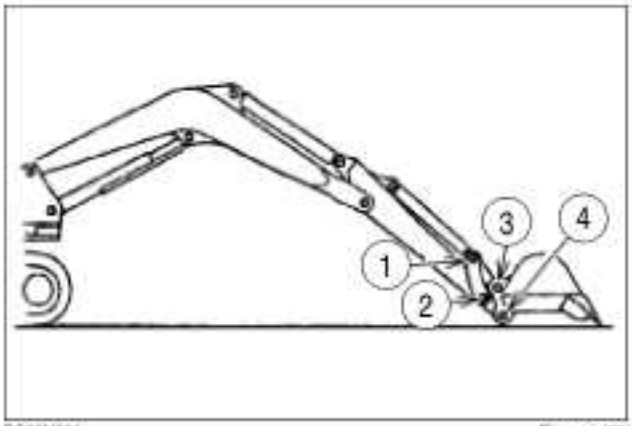
M1710



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# 50 HOUR MAINTENANCE:

## ATTACHMENT LUBRICATION




B507N028 Figure 25

1. BUCKET CYLINDER ROD PIN (1)
2. IDLER LINK/ARM CONNECTING PIN (1)
3. BUCKET LINK PIN (1)
4. ARM/BUCKET CONNECTING PIN (1)

During the first 50 hours of operation, grease attachment every 8 hours. After the initial run-in period, grease every 50 hours.

1. Move the machine to firm level ground and place the bucket/attachment on the ground. Turn the engine off.
2. Clean the grease fitting before greasing. Replace any damaged grease fitting.
3. Lubricate with a grease gun through the grease fittings shown. Wipe off any grease the leaks out of the pin connection.

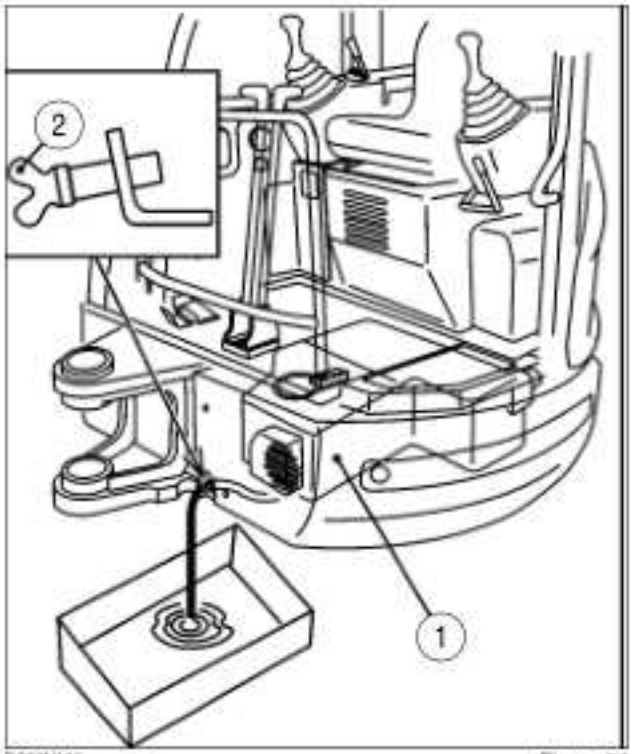
**NOTICE:** *Dispose of all waste in accordance with environmental regulations.*

**⚠ WARNING ⚠**

*The machine and attachment should not be moved when lubricating. If a different position is required: clear the area, move attachment, stop the engine and lubricate the attachment. Repeat this procedure until the attachment is completely lubricated. Failure to comply could result in death or serious injury.*

M1719

## DRAIN FUEL TANK SEDIMENT




B507N126 Figure 26

1. FUEL TANK
2. DRAIN PLUG

**⚠ WARNING ⚠**

*Fuel vapors are explosive and flammable. Do not smoke while handling fuel. Keep fuel away from flames or sparks. Shut off engine and remove key before servicing. Always work in a well ventilated area. Clean up spilled fuel immediately. Failure to comply could result in death or serious bodily injury.*

M1394

1. Draining water and sediment is most effectively performed in the morning. Turn the upper structure of the machine so the drain plug (2) is midway between the crawler belts.
2. Place a suitable container under the drain plug (2) to catch the discharged fuel.
3. Slowly loosen the drain plug (2) to drain water and sediment. When clean fuel begins to flow, tighten the drain plug.
4. Check for fuel leakage after tightening drain plug. If fuel is leaking, stop the engine, and consult your authorized dealer for repair.



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# LIFT CAPACITIES

## LIFT CAPACITIES CANOPY MODEL

### 3 ft. 11 in (1.2 m) Arm

Lift capacities calculated using 11.8 in (300 mm) shoes (179 lb (81 kg) bucket, blade down, 550 lb (250 kg) counterweight

| Load (Lift Point) Height | 5 ft (1.5 m) END - SIDE | | 7.5 ft (2.3 m) END - SIDE | | 10 ft (3.0 m) END - SIDE | | 12.5 ft (3.8 m) END - SIDE | |
|---|---|---|---|---|---|---|---|---|
| + 10 ft (3.0 m) | | | | | *1210 lb *550 kg | *1210 lb *550 kg | | |
| +7.5 ft (2.3 m) | | | | | *1440 lb *650 kg | 1330 lb 600 kg | *1410 lb *640 kg | 900 lb 410 kg |
| +5 ft (1.52 m) | | | *2720 lb *1230 kg | 1970 lb 890 kg | *1880 lb *850 kg | 1260 lb 570 kg | *1580 lb *710 kg | 870 lb 390 kg |
| +2.5 ft (0.8 m) | | | *3810 lb *1730 kg | 1800 lb 820 kg | *2340 lb *1060 kg | 1180 lb 530 kg | *1780 lb *810 kg | 840 lb 380 kg |
| Ground Level | *2540 lb *1150 kg | *2540 lb *1150 kg | *4150 lb *1880 kg | 1750 lb 790 kg | *2610 lb *1180 kg | 1130 lb 510 kg | *1910 lb *860 kg | 810 lb 370 kg |
| -2.5 ft (-0.8 m) | *4170 lb *1890 kg | 3540 lb 1600 kg | *3960 lb *1790 kg | 1750 lb 790 kg | *2590 lb *1170 kg | 1120 lb 510 kg | | |
| -5.0 ft (-1.52 m) | *5820 lb *2640 kg | 3620 lb 1640 kg | *3290 lb *1490 kg | 1790 lb 810 kg | *2130 lb *960 kg | 1150 lb 520 kg | | |

* Rated loads marked with an asterisk are hydraulic limits rather than tipping load limits. Reference important considerations on page 8-10 for machine operation and use of lifting charts.

## LIFT CAPACITIES CANOPY MODEL

### 3 ft. 11 in (1.2 m) Arm

Lift capacities calculated using 11.8 in (300 mm) shoes (179 lb (81 kg) bucket, blade down,

| Load (Lift Point) Height | 5 ft (1.5 m) END - SIDE | | 7.5 ft (2.3 m) END - SIDE | | 10 ft (3.0 m) END - SIDE | | 12.5 ft (3.8 m) END - SIDE | |
|---|---|---|---|---|---|---|---|---|
| + 10 ft (3.0 m) | | | | | *1210 lb *550 kg | 1130 lb 510 kg | | |
| +7.5 ft (2.3 m) | | | | | *1440 lb *650 kg | 1090 lb 490 kg | *1410 lb *640 kg | 720 lb 320 kg |
| +5 ft (1.52 m) | | | *2720 lb *1230 kg | 1620 lb 730 kg | *1880 lb *850 kg | 1020 lb 460 kg | *1580 lb *710 kg | 690 lb 310 kg |
| +2.5 ft (0.8 m) | | | *3810 lb *1730 kg | 1450 lb 660 kg | *2340 lb *1060 kg | 940 lb 420 kg | *1780 lb *810 kg | 650 lb 290 kg |
| Ground Level | *2540 lb *1150 kg | *2540 lb *1150 kg | *4150 lb *1880 kg | 1390 lb 630 kg | *2610 lb *1180 kg | 890 lb 400 kg | *1910 lb *860 kg | 630 lb 280 kg |
| -2.5 ft (-0.8 m) | *4170 lb *1890 kg | 2870 lb 1300 kg | *3960 lb *1790 kg | 1390 lb 630 kg | *2590 lb *1170 kg | 880 lb 400 kg | | |
| -5.0 ft (-1.52 m) | *5820 lb *2640 kg | 2950 lb 1340 kg | *3290 lb *1490 kg | 1430lb 650 kg | *2130 lb *960 kg | 910 lb 410kg | | |

* Rated loads marked with an asterisk are hydraulic limits rather than tipping load limits. Reference important considerations on page 8-10 for machine operation and use of lifting charts.



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