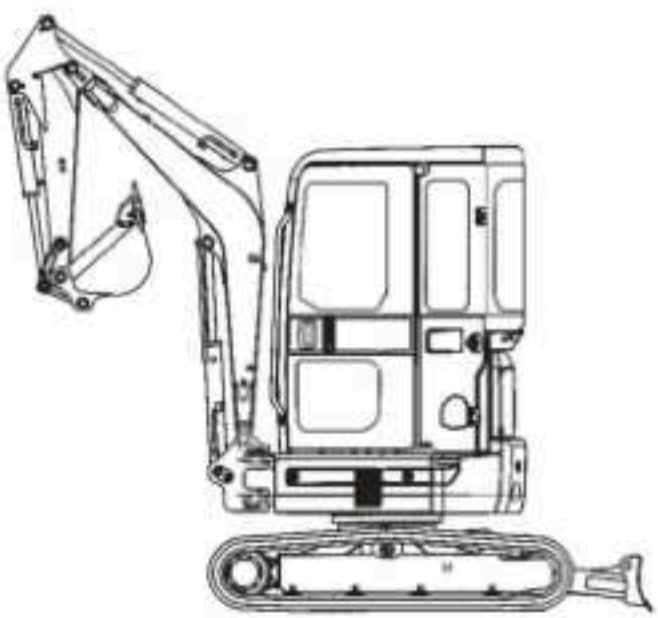
OPERATOR'S MANUAL

E27B

Compact Hydraulic Excavator

PIN number PV13 - and higher



Part number S2PV00038ZE01
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NEW HOLLAND CONSTRUCTION

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CHAPTER 3

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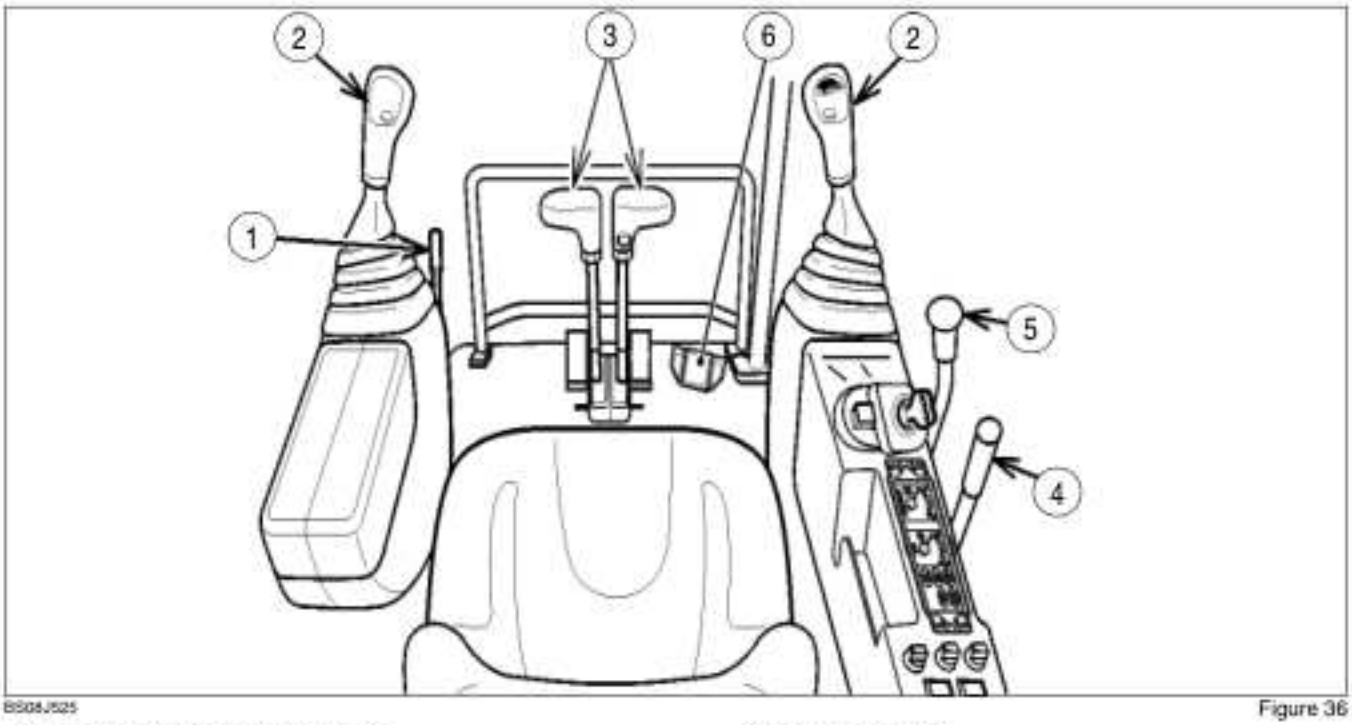
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LEVERS AND PEDALS

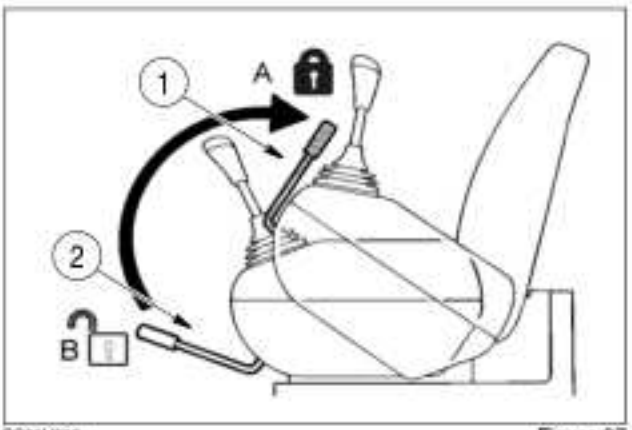


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Figure 36

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 ⚠

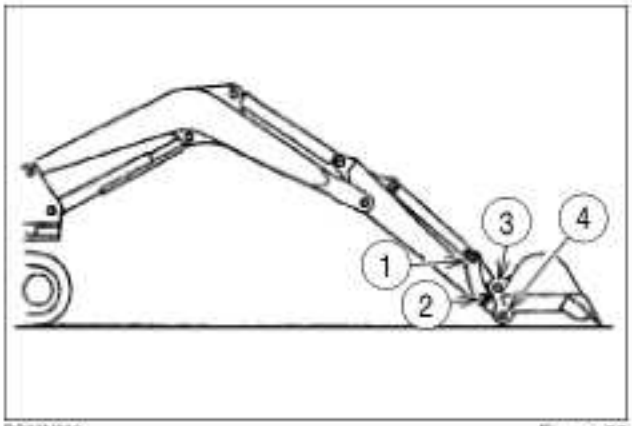
Always place the hydraulic safety lock lever in the locked (up) position before leaving the cab. Never leave the machine unattended with engine running. Failure to comply could result in death or serious injury.

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.

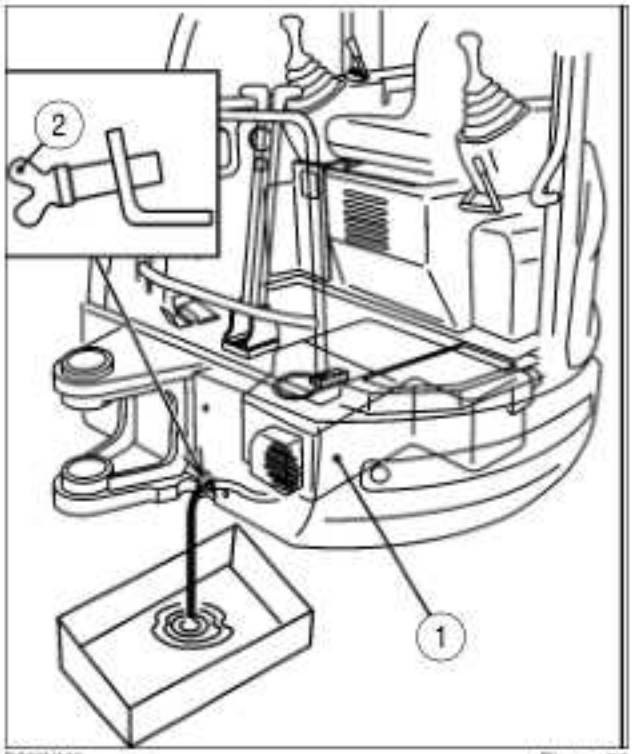
NOTICE: *Dispose of all waste in accordance with environmental regulations.*

⚠ 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 CANOPY MODEL

3 ft. 8 in (1.12 m) Arm

Lift capacities calculated using 9.8 in (250 mm) shoes (137 lb (62 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)					*920 lb *410 kg	*920 lb *410 kg		
+7.5 ft (2.3 m)					*970 lb *440 kg	910 lb 410 kg		
+5 ft (1.52 m)			*1600 lb *720 kg	1380 lb 620 kg	*1180 lb *530 kg	870 lb 390 kg	*1020 lb *460 kg	590 lb 270 kg
+2.5 ft (0.8 m)			*2230 lb *1010 kg	1260 lb 570 kg	*1420 lb *640 kg	810 lb 370 kg	*1100 lb *500 kg	570 lb 260 kg
Ground Level	*2250 lb *1020 kg	*2250 lb *1020 kg	*2450 lb *1110 kg	1200 lb 540 kg	*1560 lb *710 kg	780 lb 350 kg	*1130 lb *510 kg	550 lb 250 kg
-2.5 ft (-0.8 m)	*3860 lb *1750 kg	2440 lb 1100 kg	*2300 lb *1040 kg	1200 lb 540 kg	*1500 lb *680 kg	770 lb 360 kg		
-5.0 ft (-1.52 m)	*2980 lb *1350 kg	2510 lb 1130 kg	*1760 lb *800 kg	1240 lb 560 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. 8 in (1.12 m) Arm

Lift capacities calculated using 9.8 in (250 mm) shoes (137 lb (62 kg) bucket, blade down, 386 lb (175 kg) additional 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)					*920 lb *410 kg	*920 lb *410 kg		
+7.5 ft (2.3 m)					*970 lb *440 kg	*970 lb *440 kg		
+5 ft (1.52 m)			*1600 lb *720 kg	*1600 lb *720 kg	*1180 lb *530 kg	1030 lb 460 kg	*1020 lb *460 kg	720 lb 320 kg
+2.5 ft (0.8 m)			*2230 lb *1010 kg	1500 lb 680 kg	*1420 lb *640 kg	980 lb 440 kg	*1100 lb *500 kg	690 lb 310 kg
Ground Level	*2250 lb *1020 kg	*2250 lb *1020 kg	*2450 lb *1110 kg	1440 lb 650 kg	*1560 lb *710 kg	940 lb 420 kg	*1130 lb *510 kg	680 lb 310 kg
-2.5 ft (-0.8 m)	*3860 lb *1750 kg	2890 lb 1310 kg	*2300 lb *1040 kg	1440 lb 650 kg	*1500 lb *680 kg	940 lb 420 kg		
-5.0 ft (-1.52 m)	*2980 lb *1350 kg	2960 lb 1340 kg	*1760 lb *800 kg	1480 lb 670 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.

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