OPERATOR'S MANUAL

EH35/EH45
COMPACT EXCAVATORS

NEW HOLLAND
CONSTRUCTION

6-82080NA

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Chapter 2

SAFETY, DECALS, AND HAND SIGNALS

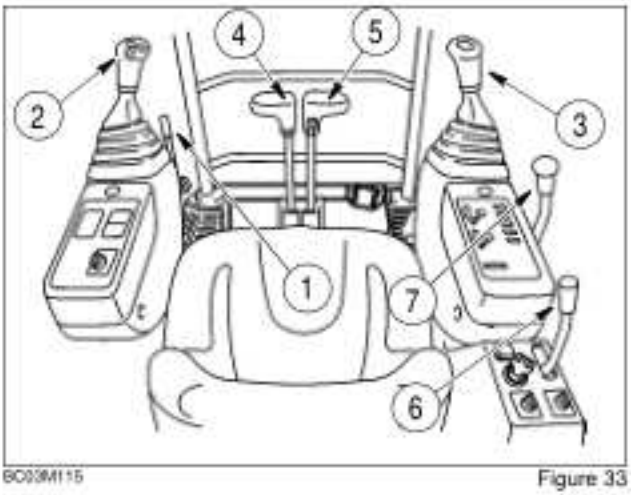
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CONTROL LEVERS



BC03M115 Figure 33

1. SAFETY LOCK LEVERS
2. LEFT-HAND CONTROL LEVER
3. RIGHT-HAND CONTROL LEVER
4. LEFT-HAND TRAVEL CONTROL LEVER
5. RIGHT-HAND TRAVEL CONTROL LEVER
6. THROTTLE CONTROL LEVER
7. DOZER BLADE CONTROL LEVER

1. SAFETY LOCK LEVER

The Safety Lock Lever is provided to prevent any unexpected operation due to involuntary movement of the operator's control levers.

The shape of the Safety Lock Lever was designed to prevent the operator from leaving the operator's compartment without having raised the lever beforehand.

WARNING: *To access or exit the operator's compartment, the Safety Lock Lever must be in the raised position. Never try to avoid this basic requirement.*

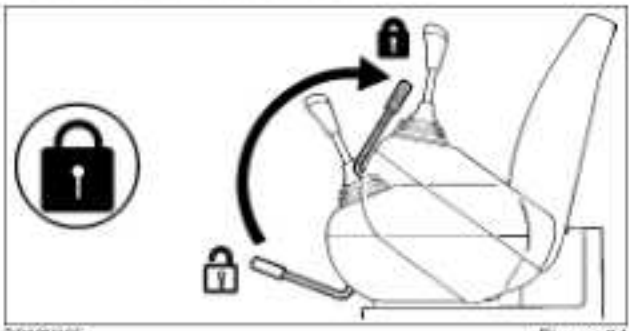
WARNING: *Always place the safety lock lever in the LOCKED (up) position before leaving the operator cab. Never leave the machine unattended with engine running or Safety Lock Lever in the down position.*

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WARNING: *Even when the Safety Lock Lever is set in the LOCKED (up) position, the functions for dozer are still activated.*

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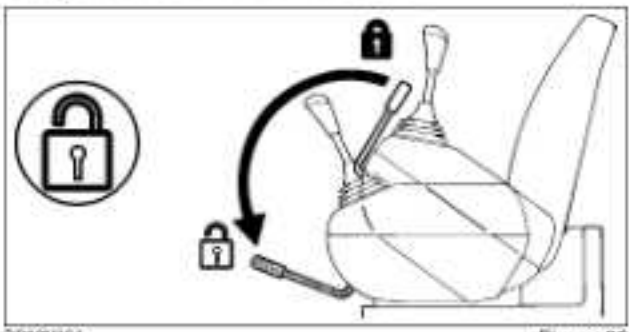
NOTE: *When the **Safety Lock Lever** is set to the LOCKED (up) position, each attachment and swing motor are locked simultaneously, except the dozer blade, even though each lever can be moved, because they are of a hydraulic lock system. However, the travel levers are separately locked with their mechanical locking mechanism to lock the movement itself of the levers.*



BC02N365 Figure 34

LOCKING HYDRAULIC SYSTEM

When the Safety Lock Lever is set in the LOCKED (UP) Position the hydraulic system is shut down, **except the dozer blade functions.**



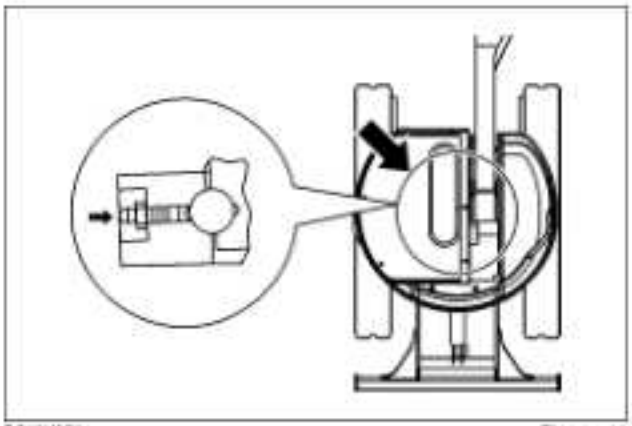
BC02N364 Figure 35

UNLOCKING HYDRAULIC SYSTEM

When the safety lever is set to the UNLOCKED (DOWN) Position all hydraulic functions are active.

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Lubricating the Turntable (Swing) Bearing



BC02N256 Figure 11

1. Apply grease at the grease fitting until the old grease is replaced.
2. Rotate the upper structure 90 degrees. (4 times).
3. Repeat steps 1 and 2 until all four positions are lubricated.

IMPORTANT: *If the grease is white because of moisture content or contamination, replace with new grease.*

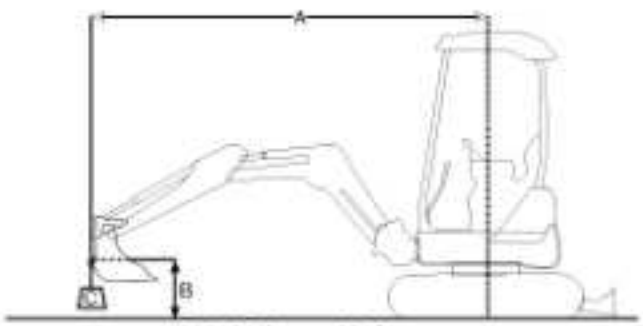
LUBRICATION - 2000 HOURS

LUBRICATING THE TURNTABLE (SWING) GEAR

Contact your dealer for procedures. Change the grease immediately if the machine has been immersed in water in order to protect the pinion and internal gears from damage.

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EH35 LIFTING CAPACITIES



Blade Down with Canopy

LIFTING CAPACITIES

Arm: 4 ft 4 in (1.32 m) Bucket: 3.9 cu ft (0.11 m³) 200 lb (91 kg)

A / B / C		5.0 ft (1.5 m)		7.5 ft (2.3 m)		10 ft (3.0 m)		12.5 ft (3.8 m)	
		[ ]	▭	[ ]	▭	[ ]	▭	[ ]	▭
10ft (3.0m)	lb							*1,310	1,140
	kg							*590	510
7.5ft (2.3m)	lb							*1,390	1,120
	kg							*630	500
5ft (1.5m)	lb			*2,880	2,470	*1,940	1,550	*1,590	1,070
	kg			*1,300	1,120	*880	700	*720	480
2.5ft (0.8m)	lb			*3,960	2,260	*2,410	1,460	*1,800	1,020
	kg			*1,790	1,020	*1,090	660	*820	460
Ground Level	lb	*2,570	*2,570	*4,240	2,190	*2,680	1,390	*1,950	990
	kg	*1,160	*1,160	*1,920	990	*1,210	630	*880	450
-2.5ft (-0.8m)	lb	*4,060	*4,060	*4,060	2,190	*2,680	1,380	*1,930	980
	kg	*1,840	*1,840	*1,840	990	*1,210	620	*870	440
-5ft (-1.5m)	lb	*5,690	4,830	*3,500	2,220	*2,360	1,400		
	kg	*2,570	2,190	*1,580	1,010	*1,070	630		
-7.5ft (-2.3m)	lb	*3,690	*3,690	*2,270	*2,270				
	kg	*1,670	*1,670	*1,030	*1,030				

[ ] Rating over front

▭ Rating over side/ 360 degrees

A Reach swing centerline to bucket hook

B Bucket hook height above/ below ground

C Lifting capacities in pounds and kilograms

- Max discharge pressure: 3,278 psi (22.6 mPa)
- Track shoe: 11.81" (.30 m) Rubber
- Boom: 8'2" (2.50 m)

Notes:

1. Do not attempt to lift or hold any load that exceeds these rated values at their specified load radii and heights.
2. Lifting capacities assume a machine standing on a level, firm, and uniform supporting surface. Operator must make allowance for job conditions such as soft or uneven ground, out of level conditions, side loads, sudden stopping of loads, hazardous conditions, inexperienced personnel, weight of various other buckets, lifting slings, attachments, etc.
3. Ratings at bucket lift hook.
4. The previous rated loads are in compliance with SAE Hydraulic Excavator Lift Capacity Standard J 1097. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Rated loads marked with an asterisk (*) are limited by hydraulic capacity rather than tipping load.
5. Operator should be fully acquainted with the operator's manual before operating the machine. Rules for safe operation of equipment should be followed at all times.
6. Capacities apply only to the machine as originally manufactured and normally equipped.

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Figure 5

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