# OPERATOR'S MANUAL

## EH130
## CRAWLER EXCAVATORS

NEW HOLLAND
CONSTRUCTION

6-82410NA

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CHAPTER 2

# SAFETY, DECALS, AND HAND SIGNALS

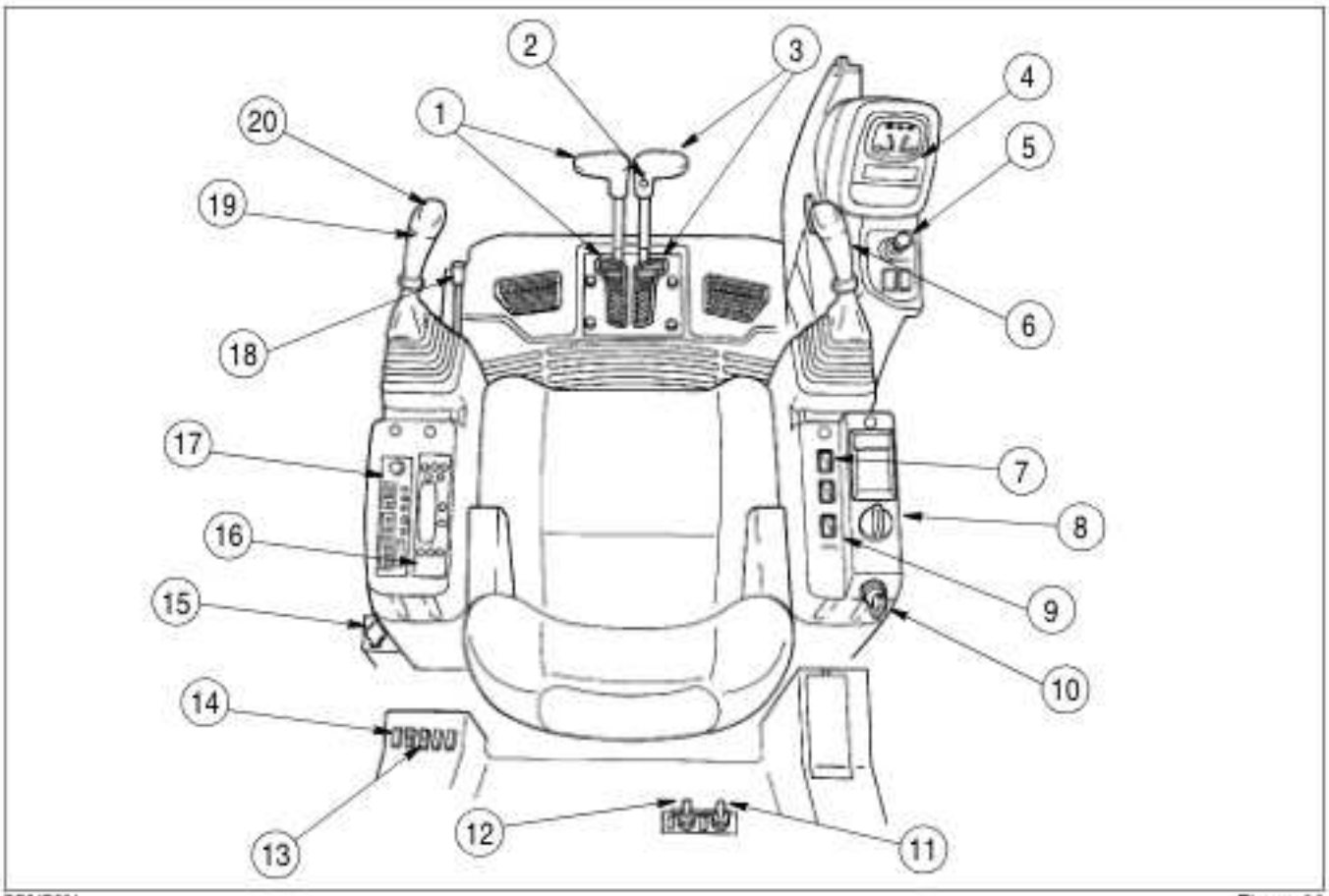
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# OPERATOR'S COMPARTMENT CONTROLS AND ACCESSORIES




BC04B001

Figure 22

**COMPONENTS**

1. LEFT TRAVEL PEDAL AND LEVER
2. TRAVEL SPEED SWITCH
3. RIGHT TRAVEL PEDAL AND LEVER
4. GAUGE CLUSTER
5. 24 VOLT CIGARETTE LIGHTER
6. RIGHT HAND OPERATOR CONTROL LEVER
7. AUTO ACCEL SWITCH
8. THROTTLE POTENTIOMETER
9. HYDRAULIC AUTO WARM-UP
10. IGNITION SWITCH
11. SWING BRAKE RELEASE SWITCH (UNDER COVER)
12. KPSS RELEASE SWITCH (UNDER COVER)
13. FLASHER
14. BREAKER / NIBBLER SELECT SWITCH
15. 12V POWER SUPPLY
16. CLIMATE CONTROL PANEL
17. RADIO
18. HYDRAULIC FUNCTION LOCK OUT LEVER
19. LEFT HAND OPERATOR CONTROL LEVER
20. HORN BUTTON



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## Every 50 Hours

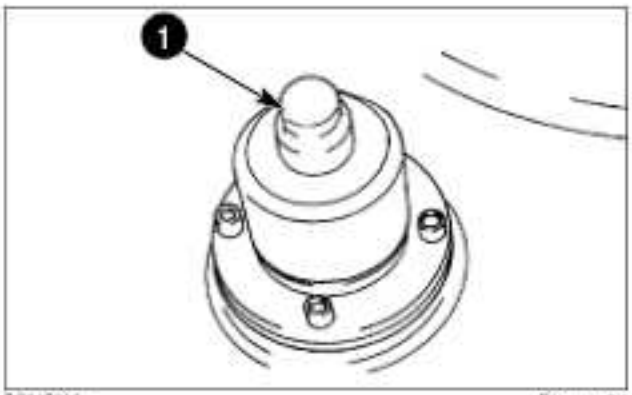
### CHANGE HYDRAULIC RETURN FILTERS

Change the hydraulic tank return filter on a new machine after the first 50 hours of operation and then change every 500 hours.

**WARNING:** *Never change oils or filters on a machine that has just finished working. Allow machine and components to cool first. Oils and fluids should be WARM not HOT. Release hydraulic tank pressure before working with any hydraulic components.*

Figure 63

1. Place the machine on firm, level ground with the attachment on the ground.
2. Shut the engine off and remove the key.



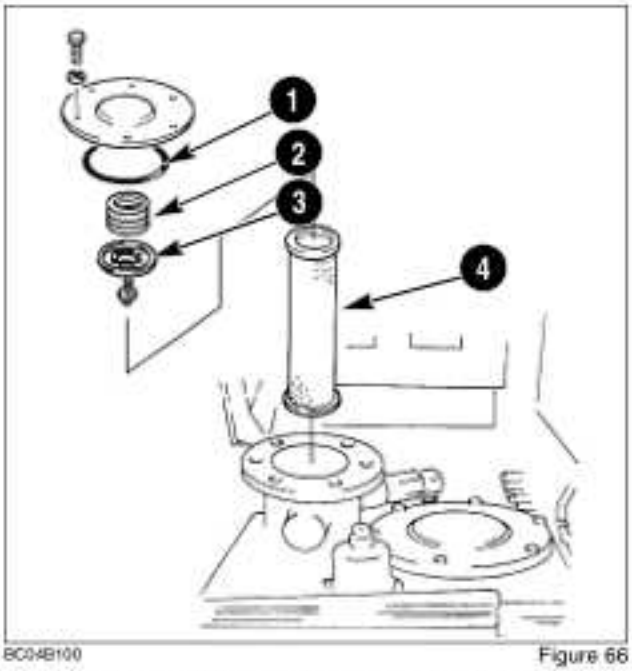

BC04B035 Figure 64

3. Release hydraulic tank pressure by pressing the rubber cap (1).



BS04B024 Figure 65

4. SLOWLY remove the six mounting bolts from the return cover plate.




BC04B100 Figure 66

5. Remove the O ring (1), spring (2), bypass valve (3).
6. Remove the filter from the housing (4).
7. Install a new filter.
8. Clean and inspect the bypass valve and spring. Replace if necessary.
9. Install a new O ring.



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## LIFTING CAPACITIES

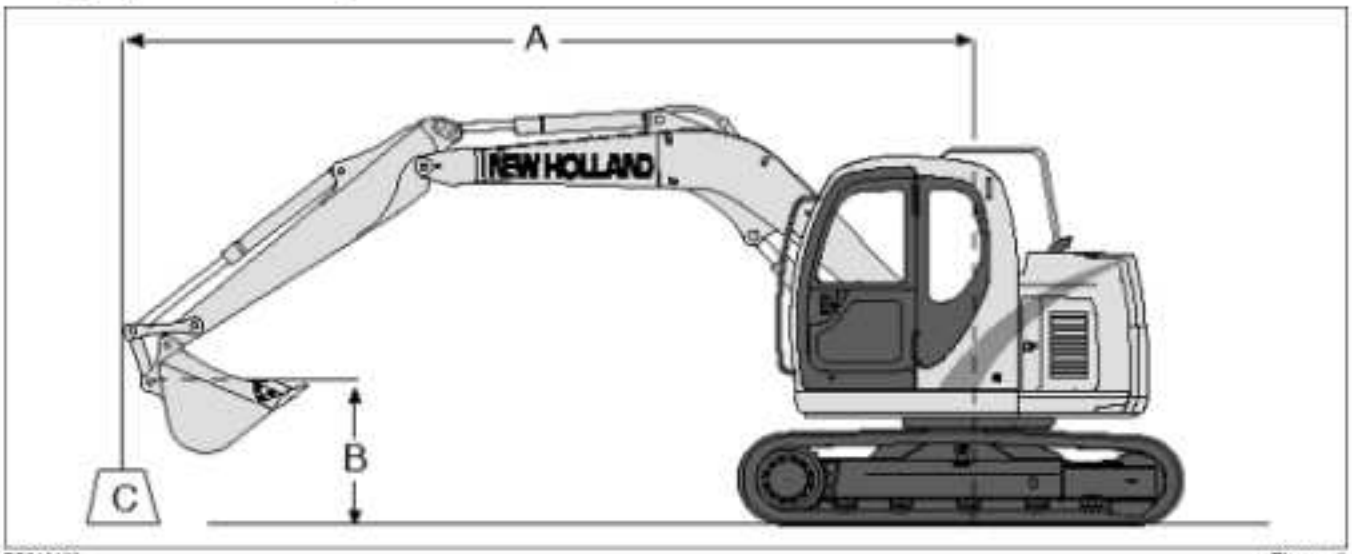
1. Do not attempt to lift any load that exceeds the rated values at their specified load radii and height.
2. Lifting capacities assume a machine standing on a level, firm, and uniform supporting surface. Operator must make allowance for job conditions such as soft or uneven ground, out of level conditions, side loads, sudden stopping of loads, hazardous conditions, inexperienced personnel, weight of various other buckets, lifting slings, attachment, etc.
3. Rating at bucket lift hook.
4. The rated loads are in compliance with SAE Hydraulic Excavator Lift Capacity Standard J1097. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Rated loads marked with asterisk (*) are limited by hydraulic capacity rather than tipping load.
5. Operator should be fully acquainted with the Operator's Manual before operating this machine. Rules for safe operation of equipment should be followed at all times.
6. Capacities apply to the machine as originally manufactured and normally equipped by New Holland Construction.

**CAUTION:**

*The operator must consider the weight of any device utilized for lifting to properly calculate the total lifting capacity of the machine. example:*

1. *If the excavator uses the same bucket size indicated in the lifting chart, and a lifting cable, etc. weighing 100 kg (220 lbs) is used for lifting, then you have to subtract this additional 100 kg (220 lbs) from every value indicated in the lifting chart accordingly.*
2. *If a bucket is changed for a larger bucket, which weight is 350 kg (770 lbs) more than the bucket indicated in the lifting chart, then you have to subtract this additional weight from every value indicated in the lifting chart accordingly.*
3. *If a bucket is changed for a smaller bucket, which weight is 350 kg (770 lbs) less than the bucket indicated in the lifting chart, then you can safely add 350 kg (770 lbs) to every value indicated in the lifting chart accordingly.*

**Lifting Capacities Chart Legends:**




BS04A196 Figure 2

**A** - Reach swing center line to bucket hook (Load Radius).

**B** - Bucket hook height above/below ground.

**C** - Lifting capacities in pounds (lb) and kilograms (kg).

 Front Lifting.  Side Lifting.



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