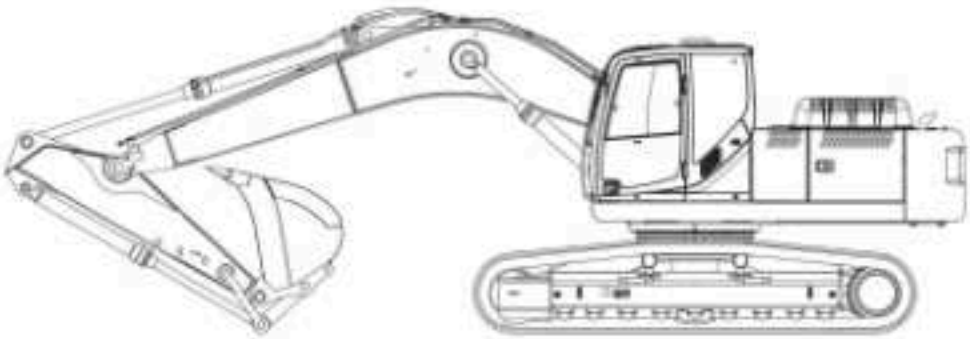
OPERATOR'S MANUAL

E215B
Tier 3 ROPS
Crawler Excavator

PIN NBDA17800 and up



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NEW HOLLAND CONSTRUCTION

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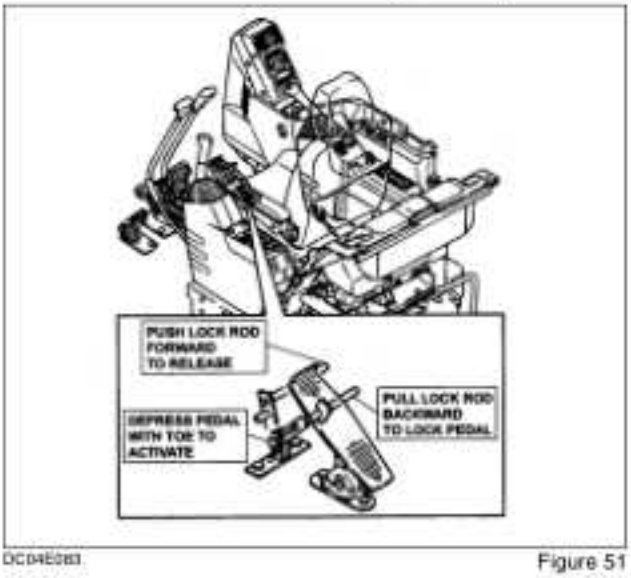
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Nibbler and Breaker Combined (Conflux)



OCD4E083 Figure 51

Release pedal lock on the right front side of driver's seat to operate pedal.

Pedal Operation - Breaker

Foot Pedal Depressing Section	Operating Condition
Pedal in neutral position	Breaker stops operating
Depress heel section	Breaker starts operation

Pedal operation - Nibbler

Foot Pedal Depressing Section	Operating Condition
Depress toe section	Nibbler close
Depress heil section	Nibbler open



OCD4D576 Figure 52

If the machine is equipped with optional control grip levers, operate as shown.

CAUTION: *Operation of Breaker or Nibbler longer than one (1) minute intervals could cause premature wear or damage to the attachment and the machine. If material is not breaking, reposition Breaker or Nibbler and repeat operation in one (1) minute intervals.*

WARNING: *Never leave the operator cab with engine running.*

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FLUIDS AND FILTERS

REQUIRED FLUIDS/LUBRICANTS AND CAPACITIES

ENGINE

Type of Oil ---------- Engine Oil SAE 15W40

Capacity:

- Engine Oil Pan (H Level) -----15.5 Liters (4.1 Gal)
- Engine Oil Pan (L level) -------9.2 Liters (2.4 Gal)
- Filter Capacity ----------2.8 Liters (0.7 Gal)
- Residual ---------- 4.9 Liters (1.3 Gal)
- Total Engine Oil Volume -----18.3Liters (4.8 Gal)

NOTE: *See **ENGINE OIL LEVEL** in Chapter 6 for proper oil filling and/or checking engine oil level.*

HYDRAULIC

Type of Oil ---------- Hydraulic Oil AW 46

Capacity:

- Hydraulic Tank ---------- 146 Liters (39.5 Gal)
- Hydraulic System ---------- 223 Liters (59.0 Gal)

NOTE:

1. *See **HYDRAULIC OIL LEVEL** in Chapter 6 for proper filling and/or checking hydraulic oil level.*

SWING MOTOR REDUCTION UNIT

Type of Oil ---------- SAE 90 GL4 Gear Oil

Capacity ---------- 7.5 Liters (2.0 Gal)

NOTE: *See **SWING MOTOR REDUCTION UNIT OIL** in Chapter 6 for proper filling and/or checking oil level.*

TRAVEL MOTOR REDUCTION UNIT

Type of Oil ---------- SAE 90 GL4 Gear Oil

Capacity ---------- 5.5 Liters (1.5 Gal) Each x 2

NOTE: *See **TRAVEL MOTORS REDUCTION UNIT OIL** in Chapter 6 for proper filling and/or checking oil level.*

TRACK UPPER ROLLERS

Type of Oil ---------- Engine Oil SAE 15W40

Capacity ---------- 50 cc (1.69 Fluid Oz.) Each x 4

NOTE: *See **MAINTENANCE ON ROLLERS AND IDLERS** in Chapter 6 for proper oil filling.*

TRACK LOWER ROLLERS

Type of Oil ---------- Engine Oil SAE 15W40

Capacity ---------- 160 cc (5.41 Fluid Oz.) Each x 16

NOTE: *See **MAINTENANCE ON ROLLERS AND IDLERS** in Chapter 6 for proper oil filling.*

TRACK IDLERS

Type of Oil ---------- Engine Oil SAE 15W40

Capacity ---------- 200 cc (6.76 Fluid Oz.) Each x 2

NOTE: *See **MAINTENANCE ON ROLLERS AND IDLERS** in Chapter 6 for proper oil filling.*

OPERATING LEVER JOINT

Type of Oil ---------- EP Grease EP/2

Capacity ---------- As required in each joint

NOTE: *See **CONTROL LEVER JOINT LUBRICATION** in chapter 6 for proper lubrications.*

UPPER ATTACHMENT PINS

Type of Oil ---------- EP Grease EP/2

Capacity ---------- As required in each pin

NOTE: *See **ATTACHMENT LUBRICATION** in Chapter 6 for proper lubrications.*

SWING BEARING

Type of Oil ---------- EP Grease EP/2

Capacity --------- As required (1 place - swing 90° x 4)

NOTE: *See **SWING BEARING LUBRICATION** in Chapter 6 for proper lubrication.*

TRACK TENSION ADJUSTMENT

Type of Oil ---------- EP Grease EP/2

Capacity ---------- As required (2 places)

NOTE: *See **TRACK TENSION** in Chapter 6 for proper procedures in injecting grease.*

SWING RING GEAR BATH

Type of Oil ---------- Lithium base grease with MOS_2

Capacity ---------- 8.3 kg (18.3 lbs)

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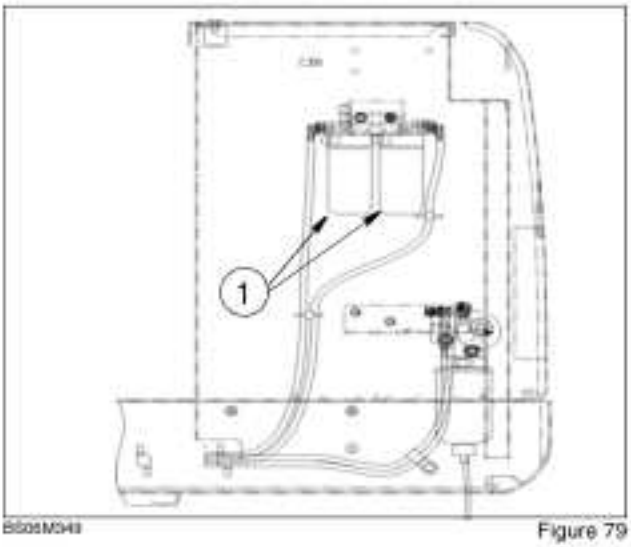
500 HOUR MAINTENANCE:

FUEL FILTERS

NOTE: *To replace the fuel and fuel pre-filter, perform the following instructions with the engine off.*

1. Replacing Fuel Filters

a. Place an empty container below fuel filters.



B505M049 Figure 79

1. FUEL FILTERS

b. Use a filter wrench and turn counter clockwise to remove the fuel filter.s

c. Remove O-ring seal from the filter support mount.

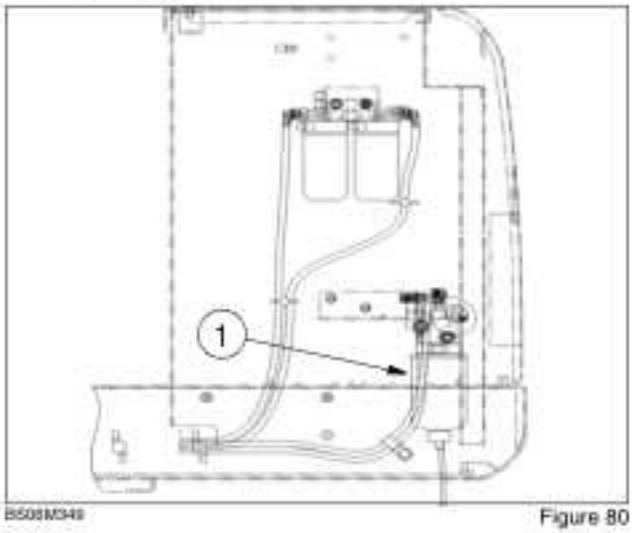
d. With a clean, dry cloth, clean the filter support mount surface.

e. Lubricate O-ring for fuel filter bowl and attach to new fuel filters.

f. Lubricate the O-ring seal with diesel fuel and install filter by hand (do not use wrench), and tighten 3/4 – 1 turn after the O-ring seal has made contact with support mount surface.

g. Open air bleeder plug on top of filter support housing and use primer pump to fill filter with clean fuel.

2. Replacing Pre-Filter



B505M049 Figure 80

1. FUEL FILTER

h. Loosen air bleeder plug and drain valve and drain fuel from fuel pre-filter.

i. Use filter wrench and turn counter clockwise to remove filter.

j. With a clean, dry cloth, clean the filter support mount surface.

k. Lubricate the O-ring with diesel fuel and install filter by hand, (do not use wrench), and tighten 3/4 to 1 turn after O-ring has made contact with support mount surface.

l. Tighten drain valve.

m. Open air bleeder plug on top of filter support housing and use primer pump to fill filter with fuel.

WARNING: *Clean up all spilled fuel to prevent fires. Dispose of hazardous waste according to environmental laws and regulations.*

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