OPERATOR'S MANUAL

RG200.B
ROAD GRADER

NEW HOLLAND
CONSTRUCTION

75314233NA

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INDEX

Symbology 6

Safety rules 8

Identification data 24

Technical data 25

Main dimensions 28

Preliminary instructions 29

Run-in period 32

Operator´s compartment 33

Controls and instruments 33

- LH lift cylinder control lever 34
- Ripper control lever 34
- Blade side displacement control lever 34
- Blade tilt control lever 34
- Circle rotation control lever 34
- Headlights control lever 35
- Electronic monitor 34
- Optional differential lock 37
- Gear and diagnosis indicator 38
- Steering wheel tilt knob 38
- Inching pedal 38
- Console tilt pedal 38
- Brake pedal 38
- Accelerator and decelerator pedal 38
- Circle side desplacement control lever 38
- Machine articulation control lever 38
- Wheel lean control lever 39
- Blade raise lever 39
- Alert sign 39
- Caixa de fusíveis 39
- Throttle control lever 39

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INDEX

Gear selector lever 40

Switch board 40

Electronic instrument cluster 42

Master battery switch 42

Auxiliary power outlet 42

Starter switch 42

Seat adjustment 43

Parking brake 43

Cab 43

Air conditioning 44

Preliminary inspection 45

Operation 46

- Engine starting 46
- Engine stopping 46
- Engine speed changes 46
- Towing 47
- Slope cutting 48
- Scarifying 50
- Stopping the machine 50
- Typical operations 52

Maintenance 55

- General note 55
- Lubrification and service guide 56
- Lubricant specifications 57
- Lubricant type code and viscosity 58
- Every 10 operating hours 59
- Every 50 operating hours 60

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QUICK OPERATION INSTRUCTIONS



(Key switch) **(Master switch)**

Engine starting
a)Gear selector lever in neutral position and throttle lever at low position.
b)Turn on master switch.
c)Turn on key switch.



(Gear selector lever):

To move the machine:
a)Press inching pedal.
b)Release parking brake lever.
c)Lift gear selector lever lock and move the lever to forward or reverse.
d)Release inching pedal slowly.



(Inching Control Pedal)



(Wheel lean control lever and frame articulation lever)

Warning: Do not move the wheel lean lever with lock bolt locked and do not move the articulation frame lever with the lock pin locked on frames.



(Lock Bolt – Front Axle)

(Blade Control Lever)



Warning: Be careful when moving the moldboard to avoid step / tires damage.



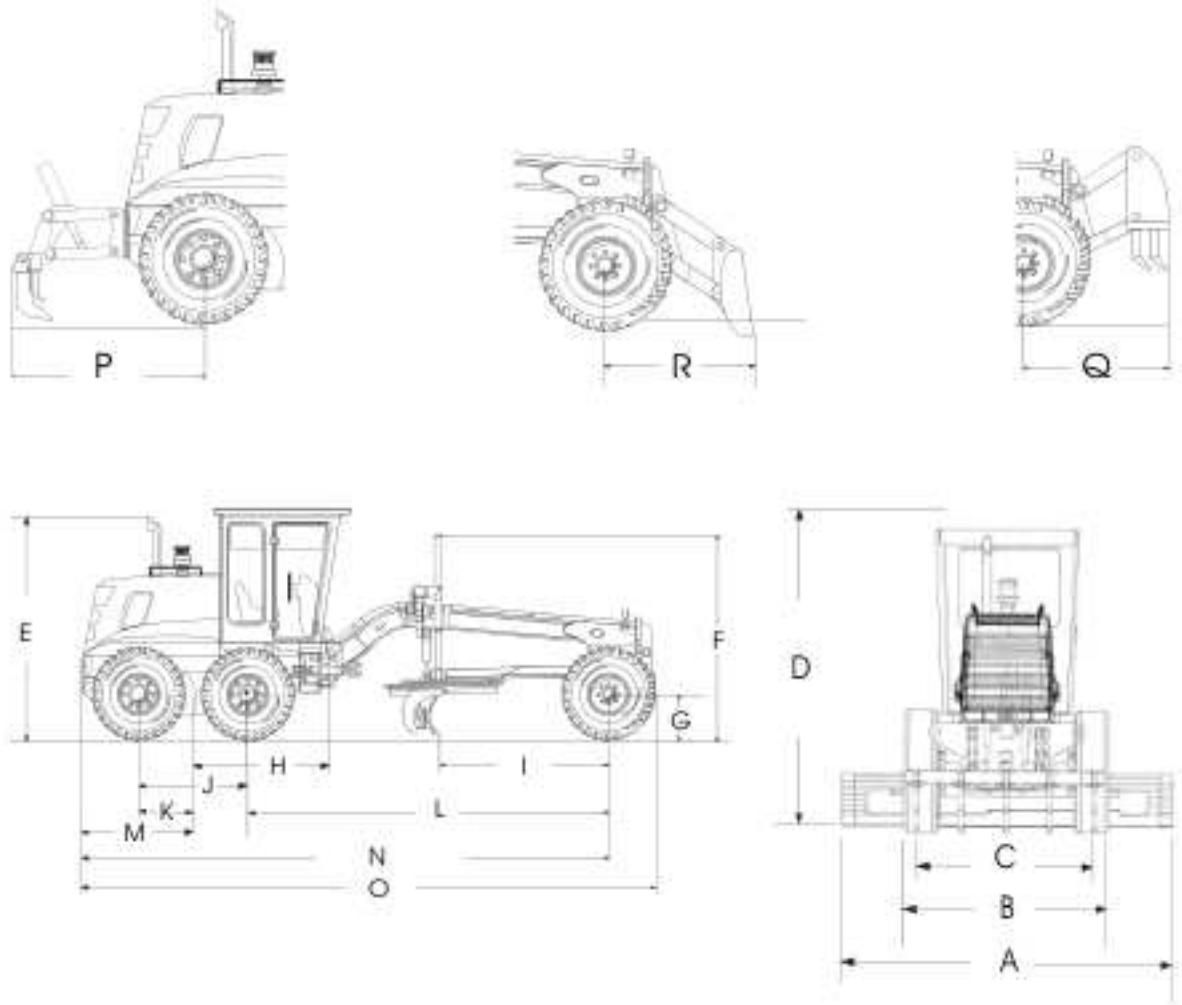
(Blade control levers)



(Frames lock pin)

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MAIN DIMENSIONS



DIMENSIONS

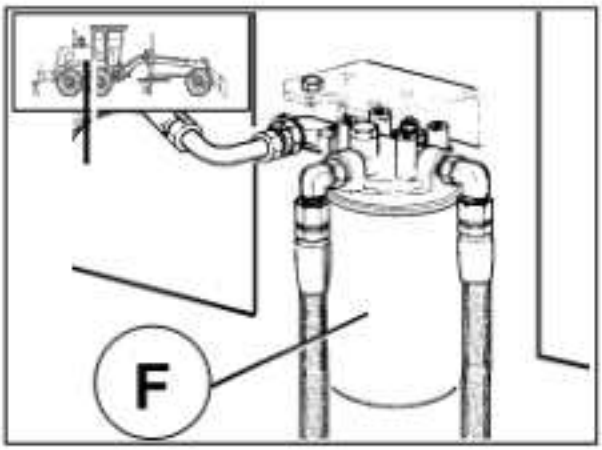
A.	Blade width	12' 0"	(3658 mm)
B.	Distance outside tires	8' 3"	(2510 mm)
C.	Distance between tire centres	7' 0"	(2134 mm)
D.	Maximum machine height	10' 11,5"	(3340 mm)
E.	Height to the top of the exhaust	10' 10.8"	(3323 mm)
F.	Height to top of blade cylinder	10' 0"	(3047 mm)
G.	Stationary tire radius	2' 0"	(610 mm)
H.	Distance from tandem axle to frame articulation pivot	6' 5"	(1958 mm)
I.	Blade base	8' 5"	(2562 mm)
J.	Distance between tandam axles	5' 2"	(1594 mm)
K.	Distance between tandem center and wheels	2' 7"	(797 mm)
L.	Distance between wheels	20' 5"	(6219 mm)

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MAINTENANCE

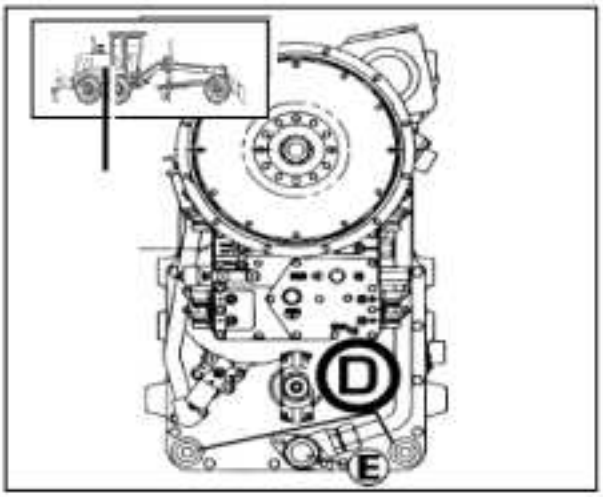
EVERY 1000 OPERATING HOURS

25- TRANSMISSION OIL FILTER
Replace



This filter (F) is a remote type filter. To replace, clean the area around the filter. Then replace filter element and gaskets. Clean the inside of the filter and mating surface. Reinstall the filter.

26- TRANSMISSION
Change oil / clean screen



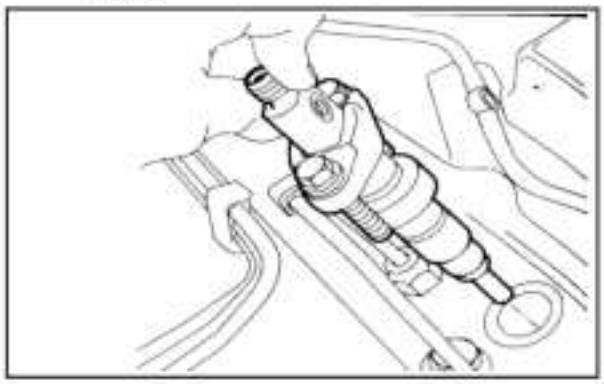
Drain plug (D) and screen filter (E)

Keep engine running until the transmission oil reaches normal operating temperature.
Park machine on a level, flat surface, engage parking brake, lower the blade to the ground and switch off the engine.
Remove the transmission screen filter and allow the oil to drain.
Clean suction screen thoroughly. Reinstall screen and drain plug (at this time change transmission oil filter).
Fill the system with specified oil until flush with the bottom of the plug.

WARNING

Never use gasoline, solvents or other fluids to clean the parts. Use only commercial, non-flammable, non-toxic solvents.

27- FUEL INJECTORS
Check



Injector nozzles

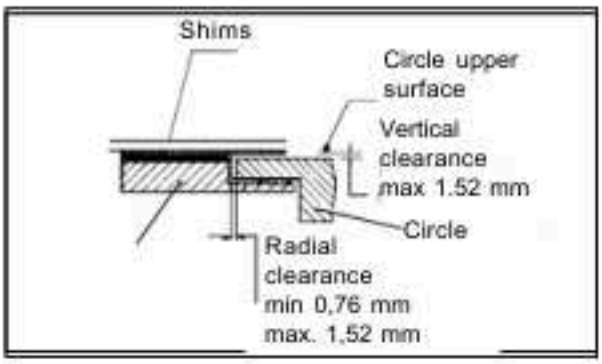
WARNING

Keep your hands away from injector end. Atomized fuel is ejected with sufficient force to cause blood poisoning. Use safety goggles.

Remove fuel injector pipes from the injectors and cover them to prevent contamination. Remove injector attaching bolts on the cylinder head and remove the injectors.
Cover all openings in the cylinder head to prevent contamination.
The injectors must be checked by qualified personnel and specialized service shops, that have proper equipment.
Nozzle opening pressure settings are 205 BAR.
Ensure all gaskets and seals are in good condition.

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MAINTENANCE



Locate the swing motor pinion such as to achieve an engaging position.

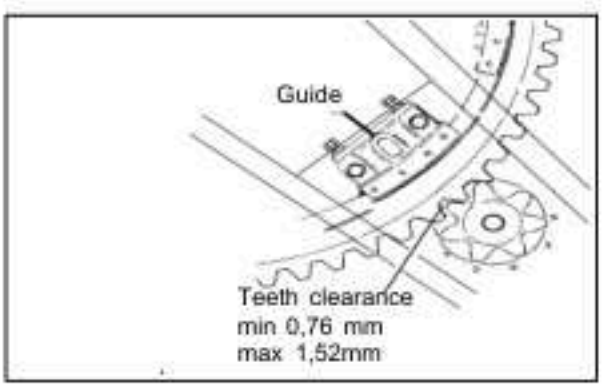
Note that, at the center of the swing motor pinion, the vortex of the engaging tooth and the front guide attaching centrer nut are in alignment.

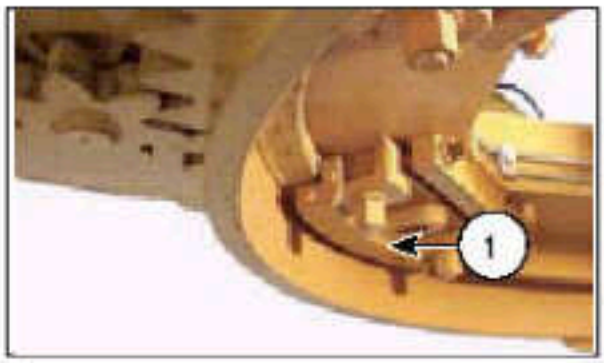
Supporting one of the sides of the referenced pinion tooth against the side of one circle tooth, act on the front guide radial clearance adjusting bolt to provide a 0.76 mm clearance between the non-supported side of the pinion engaged tooth and the circle tooth. Note that during adjustment of the teeth clearance, the front guide wear plate should rest on the innner race of the circle.

After adjustment of the radial clearance of the front guide is completed and all nuts tightened, adjust the two rear guides to provide a maximum clearance of 0.76 mm between the inner circle race and the guide wear plates (curved), at the adjusting bolts of the wear plates.

Lock adjusting bolts with their lock nuts. Tighten the guide nuts and operate the circle to check for 360° free rotation.

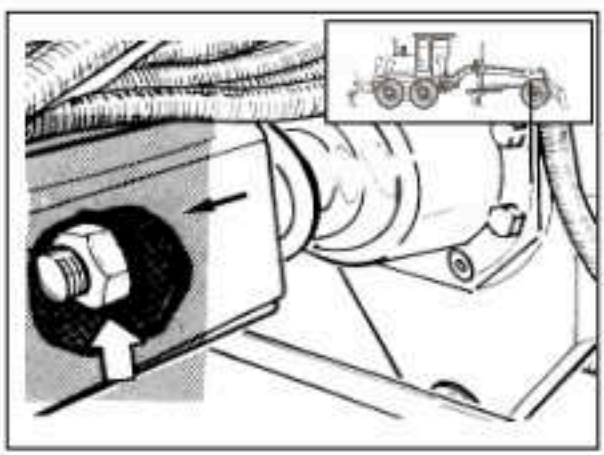
If the circle does not rotate freely, redo the adjusment, by gradually increasing clearance between the sides of the teeth until the specified limit is achieved.







41- CIRCLE CARRIER BAR BALL NUTS
Check



Draw bar ball nuts

Check coupling ball nuts.
Torque to 75 to 91 kgm (540 to 660 lbs.ft).

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