OPERATOR'S MANUAL

Road Graders RG140 - RG170 - RG200 - RG170 AWD - RG200 AWD



NEW HOLLAND
CONSTRUCTION

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Each 10 Hours or Daily Services 76

- Engine Crankcase
- Radiator Coolant
- Transmission

Each 50 Hours Services 77

- Hydraulic Tank
- Fuel Filter

Each 100 Hours Services 77

- Moldboard Lift Cylinders Balls
- Drawbar Ball and Socket
- Articulation Hydraulic Cylinders and Pivot Joints

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Each 250 Hours Services 78
- Engine Crankcase
- Rear Axle Housing
- Circle Turn Gear Box
- Alternator and Fan Belts
- Fan Bearing
- Moldboard Side Shift Link Ends
- Front Axle Knuckle Pivot
- Front Axle Pivot Hole
- Front Wheel Lean Cylinder
- Engine Drive Belt
- Drive Belt and Tensioner Inspection

Each 500 Hours Services 82
- Fuel Filters
- Rear Axle Housing
- Tandem Drive Case
- Tandem Wheel Shaft Bearings
- Transmission Oil Filter
- Hydraulic System Oil Filter
- Fuel Tank Drain Cock

Each 1000 Hours Services 84
- Transmission
- Fuel Injector Nozzles
- Engine Valves

Each 2000 Hours Services 86
- Hydraulic Oil Tank
- Rear Axle Oil Change
- Front Wheel Bearings
- Rear Axles Ends Oil Change
- Tandem Drive Cases - Oil Change

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Periodic Services 87

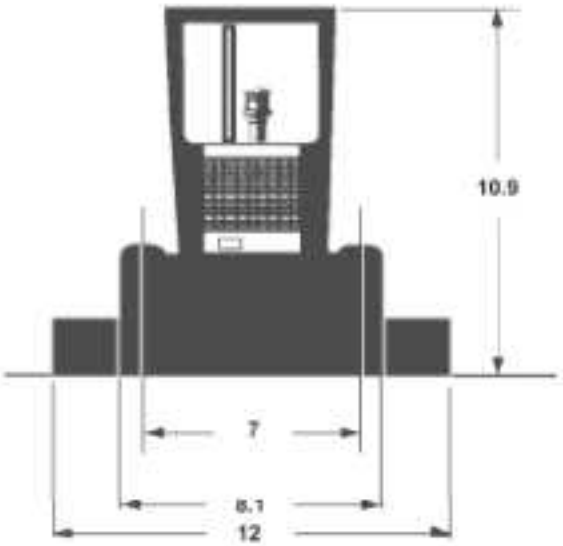
- Engine Cooling System
- Radiator Coolant
- Air Cleaner
- Parking Brake
- Batteries
- Tandem Wheel Nut
- Tandem Wheel Lug Nuts
- Front Wheel Bearings
- Tire Pressure
- Air Cleaner Restriction
- Circle Guides
- Wear Plates Adjustment
- Drawbar Ball Nut

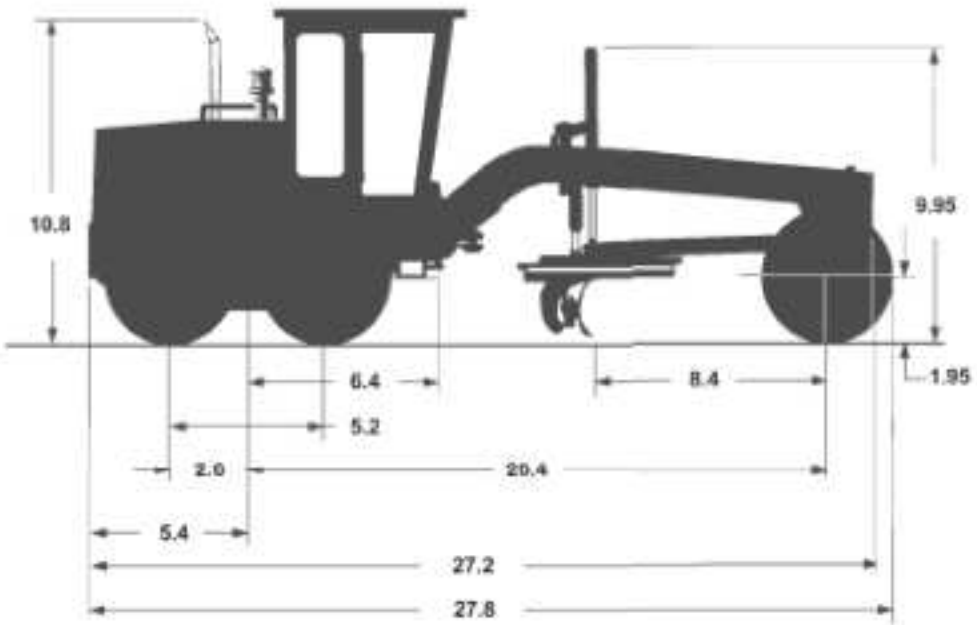
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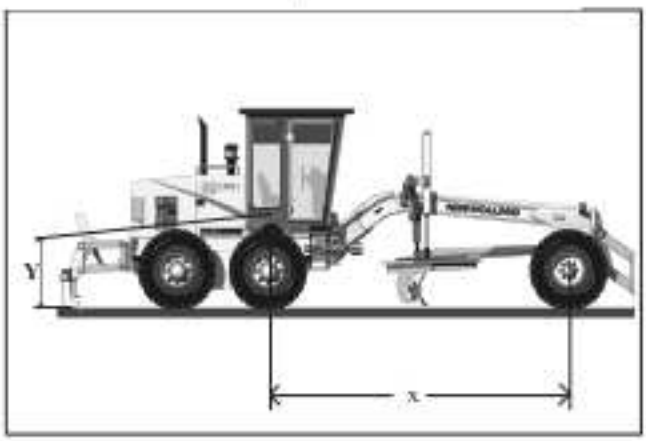




CENTER OF GRAVITY POSITION

Coolant, hydraulic oil, full fuel tank, fluid supplied, including operator's weight.

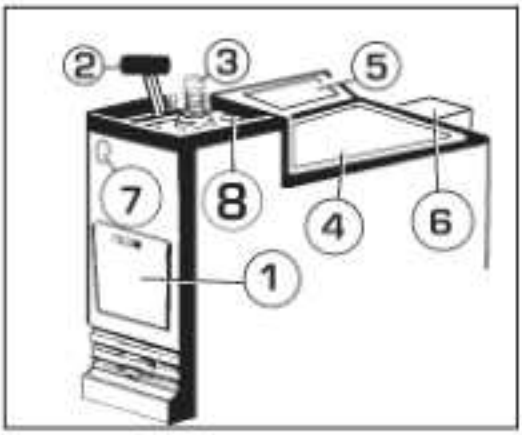
X=4450 mm (175 in)
Y=950 mm (37 in)



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GROUP 4

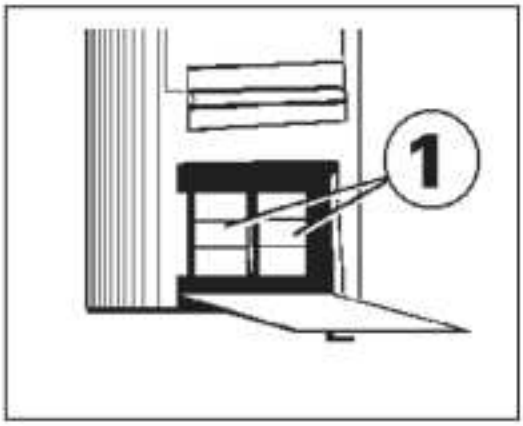
Dashboard, transmission control lever, throttle control lever, hourmeter, fuse box and master switch.



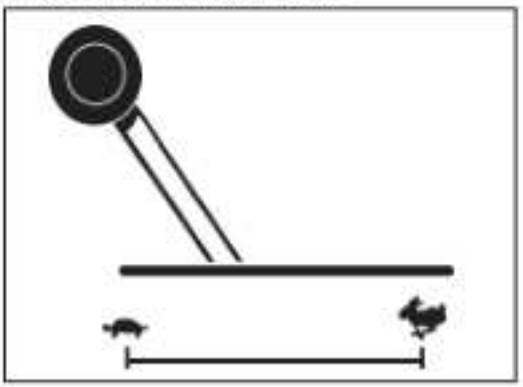
1- Fuse box
2- Throttle control lever
3- Transmission control lever
4- Switch panel
5- Digital instruments panel
6- Master switch
7- Electric receptacle
8- Ignition switch

1 - FUSE BOX

All the grader fuses are installed in the fuse box. For the identification of the fuses, refer to the electrical diagram.

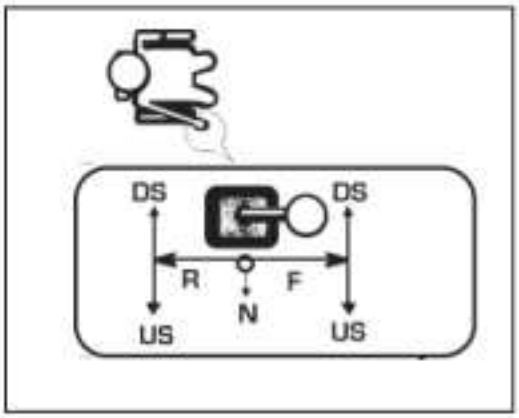


2 - THROTTLE CONTROL LEVER



The engine will remain at low idle with the throttle control lever all the way forward, engine speed will increase as the lever is pulled back.

3 - TRANSMISSION CONTROL LEVER



SHIFT PATTERN:

R- Reverse
F- Forward
N- Neutral
DS- Down shift
UP- Up shift

The transmission control lever is used to select the desired forward or backward speeds.

This machine is equipped with an eight (8) speed forward and a four (4) speed reverse transmission.

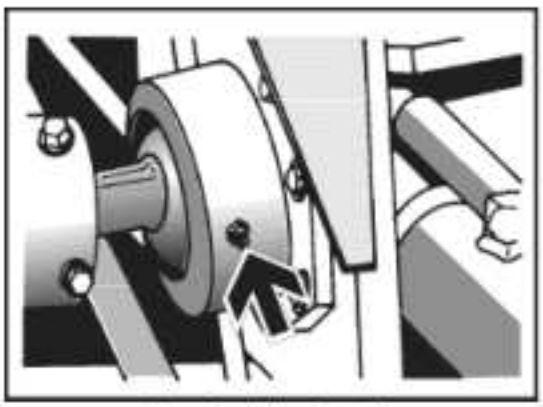
The gear speed change is done using a shift lever.

To obtain forward speeds place this lever to the front or to the back to obtain reverse speeds.

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7- Drawbar ball and socket
Lubricate

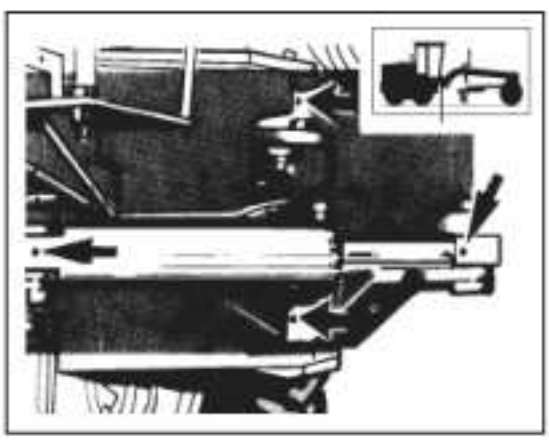
There is only one (1) lube point. Lubricate with 6 to 14 shots.



Drawbar ball and socket

8- Articulation, hydraulic cylinders and pivot joints
Lubricate

There are four (4) lube points, two (2) on each side. Lube with 6 to 10 shots on cylinders ends. Also, lube the pivot bearings with 6 to 14 shots.

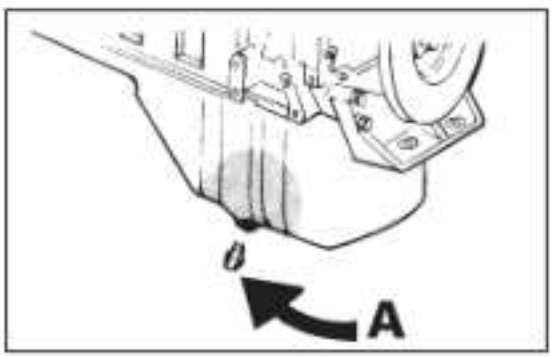


Articulation ball joints

EACH 250 HOURS SERVICES

9- Engine crankcase
Change oil

Make sure engine is at or near operating temperature. Shut-off the engine. Remove the drain plug (A) located on the lower right side of the engine crankcase and allow all the oil to drain.
Make sure the seal is in good condition and install the drain plug.



Remove the oil filter. Clean carefully the gasket seat on the filter.

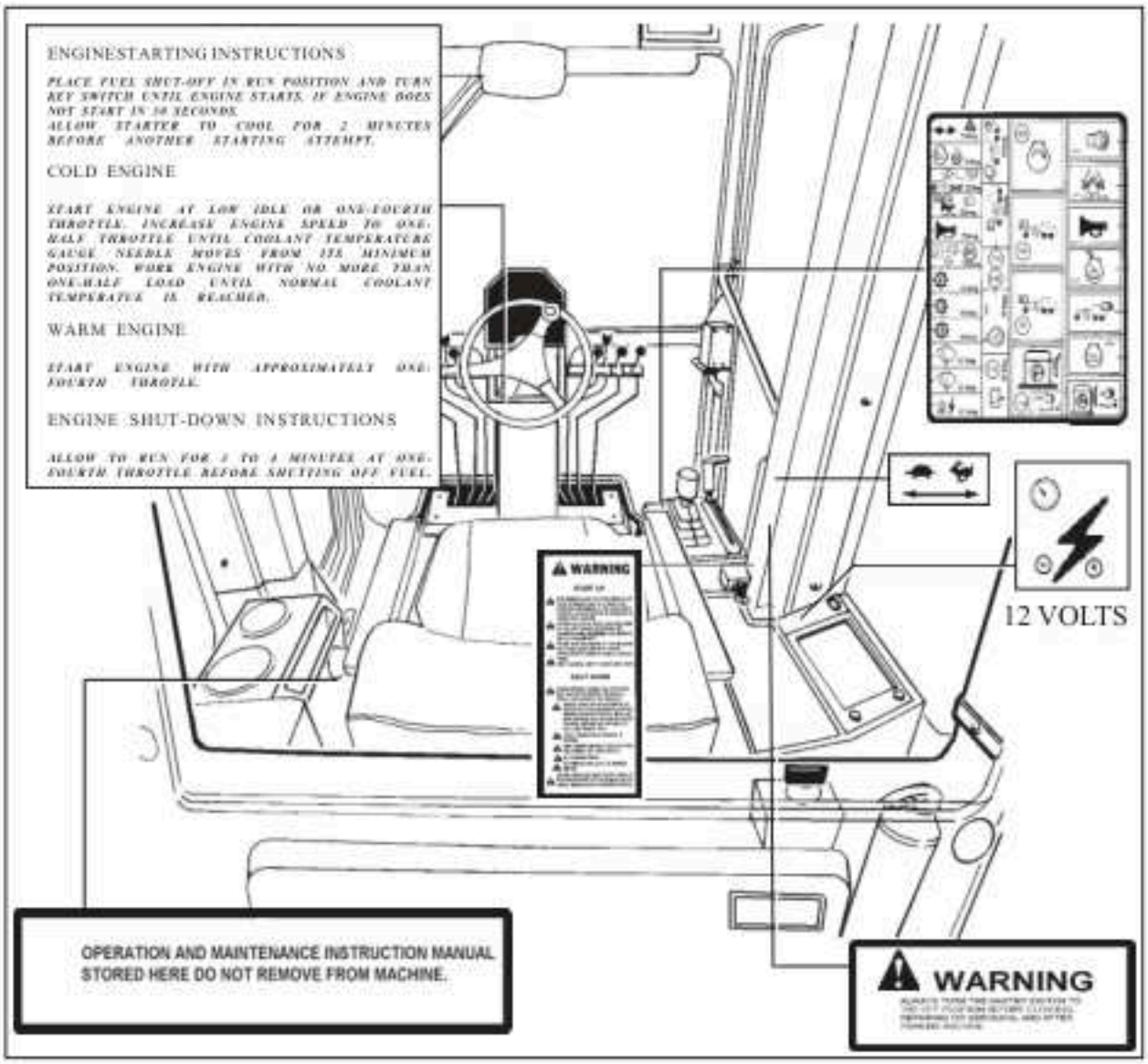
NOTE: The filter's sealing gasket normally stays attached to the filter gasket seat. Be sure that it is removed.

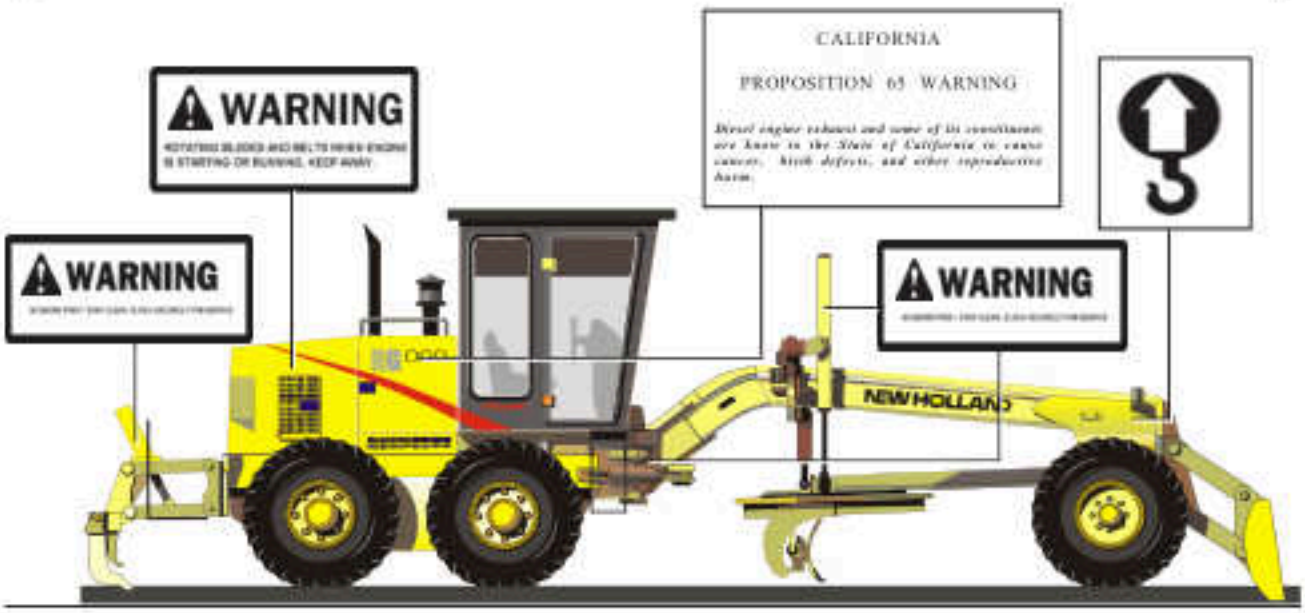
WARNING

Before installing , fill the oil filter with new, clean oil. Also before installing the filter, apply a light film of oil in the area of the filter gasket seal.

Tightening the filter with a wrench can damage it, therefore tighten it by hand. Then check if there are leaks around the base with the engine running. Tighten more if necessary. The proper torque is obtained by grasping the base with both hands and turing 3/4 turn after contact.

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RG140 - RG170 - RG200 (INCLUDES: AWD - OPTIONAL ON RG170 - RG200)

ROAD GRADER



YOUR SAFETY AND THE SAFETY OF THOSE AROUND DEPEND UPON THE CARE AND JUDGEMENT YOU USE IN OPERATING THIS MACHINE AND ITS EQUIPMENT. KNOWING THE POSITION AND FUNCTION OF ALL CONTROLS IS ESSENTIAL TO THIS END. ANY EQUIPMENT HAS LIMITATIONS: UNDERSTAND THE SPEED BRAKING, STEERING, STABILITY AND WORKING CHARACTERISTICS OF THE MACHINE BEFORE STARTING TO OPERATE.

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