OPERATOR'S MANUAL

LW50B
LW80B
WHEEL LOADERS
Tier II

Revision Date: 11/2004

NEW HOLLAND
CONSTRUCTION

6036629101NA

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Adjusting the operator's seat

The operator's seat can be adjusted in height and in fore-and-aft position. The seat suspension can be adjusted to suit the operator's weight.

⚠ WARNING

Never adjust the seat while driving. Concentrate on the road to avoid accidents.
Before adjusting the seat:

- **stop the machine**
- **set travel direction lever to "0"**
- **apply parking brake.**

The locking levers for fore-and-aft adjustment and for backrest adjustment must engage in the required position.

Once locked, the operator's seat and the backrest must not be movable into another position.

Adjusting the weight-oriented suspension

⚠ WARNING

To avoid injury to the back, the suspension should be adjusted to suit the operator's specific weight at each change of operator.

Weight adjustment

The respective operator's weight should be set by turning the weight adjustment lever (1, Fig. 1) while the operator's seat is unloaded. The set weight can be read off at the window (2, Fig. 1).

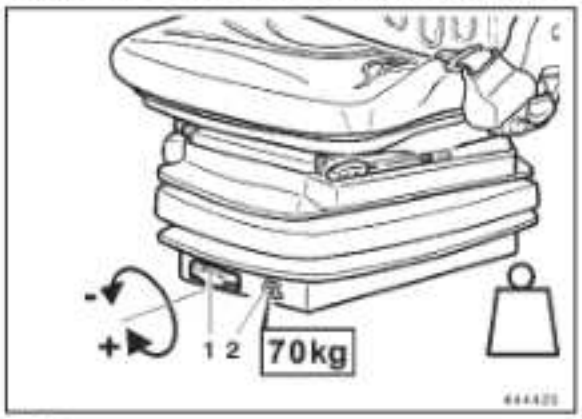


Fig. 1

Height adjustment

The height can be adjusted in several stages.

Raise operator's seat as far as required until engagement is audible. If the seat is raised beyond the last stage, it drops back to the lowest position.

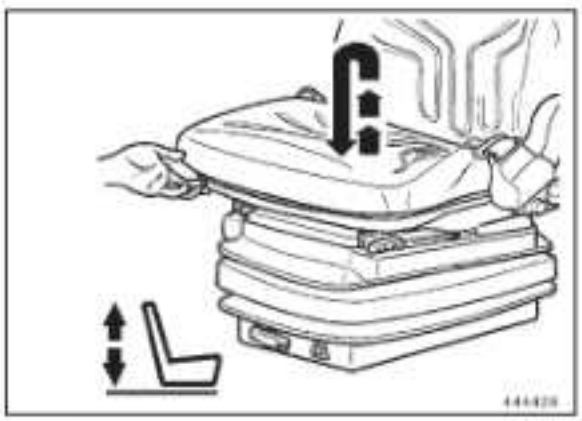


Fig. 2

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Control lever - Travelling / Working

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The wheel loader is equipped with a lever (25, Fig. 1) for controlling the travelling and working operations.

The control operations for the working equipment are described in the "Working" chapter.

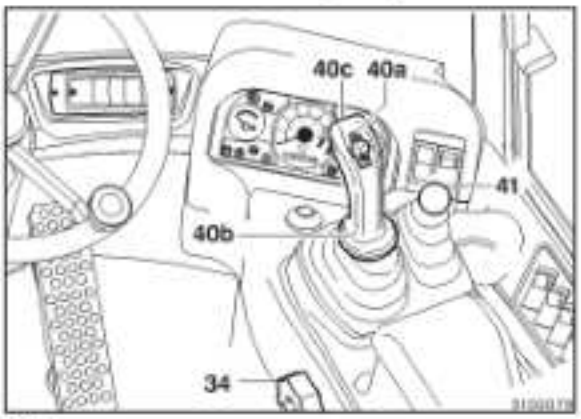


Fig. 1

Switch (40a, Fig. 1) is the selector switch for forward / reverse travel with the following positions.

- Switch (40a, Fig. 1) in middle position (position N) - no travel direction selected.
  Indicator lamps (11 and 13, Fig. 2) are off.
- Switch(40a, Fig. 1) forwards (position F) - forward travel activated.
  Indicator lamp (11, Fig. 2) is on.
- Switch (40a, Fig. 1) backwards (position R) - reverse travel activated.
  Switch (13, Fig. 2) is on.

As long as the parking brake is applied, the forward and reverse functions can only be preselected, but not activated.
The forward (11) or Reverse (13) directions are indicated only after the parking brake has been released.
The gears can be shifted only after the the parking brake has been released.

Switch (40c, Fig. 1) switches from creep speed to working speed and vice versa.
When the creep gear is engaged, indicator lamp (12, Fig.2) is on.

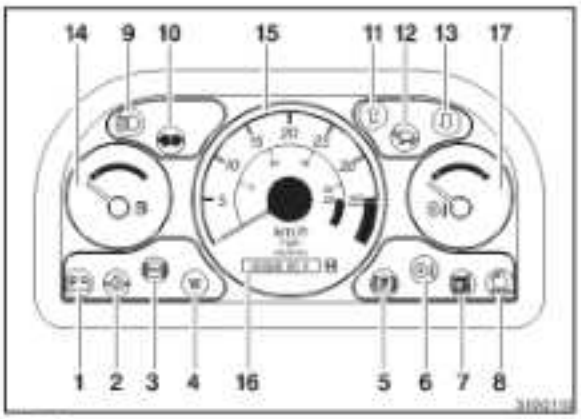


Fig. 2

When the creep speed is active, the wheel loader is limited to the maximum speed that can be reached in this gear. This is important for work requiring low working speeds.

When the working speed is active, the creep gear range can be included automatically as required.□

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Return-flow filter

The hydraulic system is equipped with a return-flow filter (3, Fig. 2).

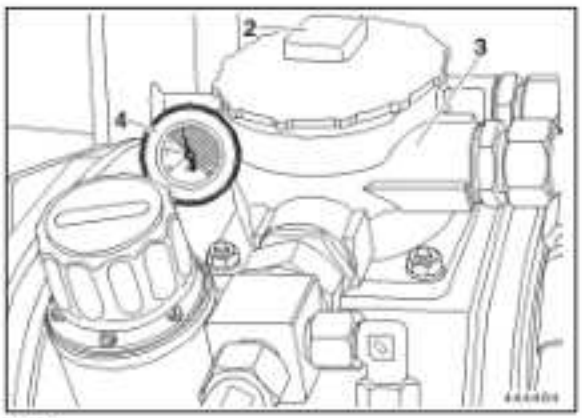


Fig. 2

A built-in bypass valve protects the return-flow filter against overpressure.

When the bypass is open, the filter is no longer in the circuit. The filter cartridge should therfore be replaced in time.

To check the return-flow pressure with pressure gauge (4), the engine must be run at full speed by setting the travel direction selector to "0", by applying the parking brake and by bringing the engine with the accelerator to maximum speed. A second person can now read the pressure gauge.

Should the return pressure lie in the red range of the pressure gauge, the filter cartridge must be replaced even if the schedule change interval has not yet elapsed.

⚠ WARNING

Do not stick your hands into moving machine parts. Risk of injury

Read and observe "Inspection and servicing, safety instructions".

Secure the machine against unauthorized starting.

Replacing the filter

Unscrew cover (2, Fig. 2) without losing gasket (11, Fig. 4) and spring (10). Withdraw filter pot (12, Fig. 3) with filter cartridge (16). Remove filter cartridge (16) by turning and pulling at the same time from filter pot (12) and discard without polluting the environment.

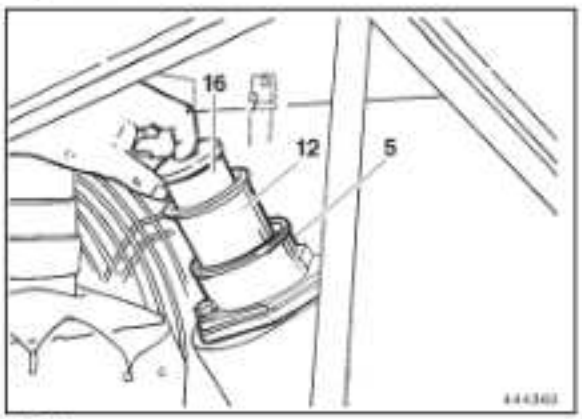


Fig. 3

Pour the oil remaining in filter pot (12) into a recipient for used oils. Clean filter pot (12) with white spirit or diesel fuel. Check gasket (5) and replace, if damaged.

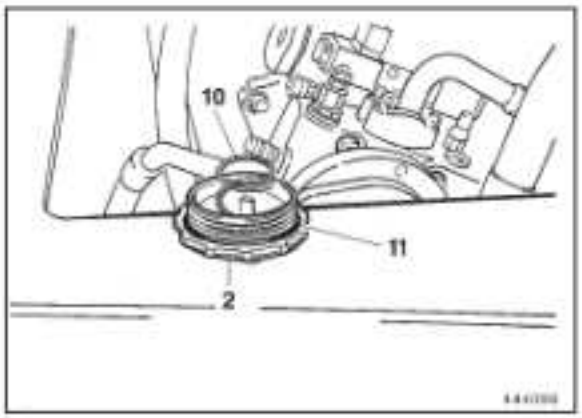


Fig. 4

Re-assemble the filter in reverse order.

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