

**NEW HOLLAND**

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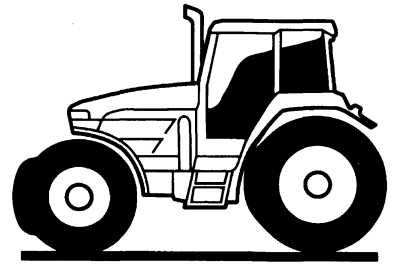
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Supplement to Operator's Manual  
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# OPERATOR'S MANUAL



**NEW HOLLAND**

Reprinted

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The following information is provided to update the Operator's Manual provided with your tractor.

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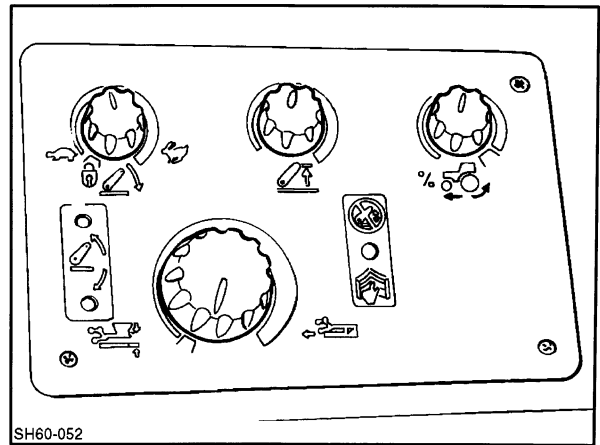
*New Holland policy is one of continuous improvement and reserves its right to change prices, specification or equipment at any time without notice.*

*All data given in this manual is subject to production variations. Dimensions and weight are approximate only and the illustrations do not necessarily show tractors in standard condition. For exact information about any particular tractor, please consult your New Holland Dealer.*

## ELECTRONIC DRAFT CONTROL

A new control panel for the Electronic Draft Control system is now installed and the system now incorporates some new features. The new control panel is shown in Figure 1.

To avoid any confusion, the whole of the revised Electronic Draft Control system text is reproduced on the next few pages. All text in the Operator's Manual relating to the Electronic Draft Control system should be ignored.



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**NOTE:** *Dependent upon tractor specification, some of the knobs shown in Figure 3 may not be installed.*

A liquid crystal display (LCD) on the instrument panel shows precise linkage position. Two symbolic warning displays (LCD's) and/or warning lights are also provided.

The lift control lever (2) Figure 2, is of a low effort type, having no direct coupling to the hydraulic system. The lever controls implement height or working depth.

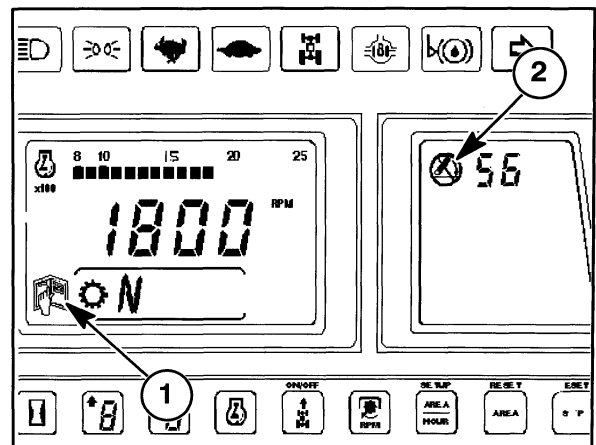
The raise/lower switch (1) Figure 2, is a three position switch that enables the operator to rapidly raise the implement to the position set by the height limit control and to lower the implement back down to the position set by the lift control lever, without disturbing the settings.

The Position/Draft sensitivity knob (2) Figure 3, is used to select Draft Control, Position Control or a combination of the two in order to make the system more or less sensitive to changes in the draft loading. A decal encircling the knob has eight numbered positions, to indicate the degree of sensitivity selected.

Turn the Position/Draft sensitivity knob towards the full Position Control setting (position 1) to decrease the system's response to a change in draft loading. The knob is detented at the Position Control setting (position 1 – knob fully counterclockwise).

**IMPORTANT:** *Always set the Position/Draft sensitivity knob to the full Position Control setting (position 1) at any time when not actually operating in Draft Control, such as when attaching equipment, transporting equipment or when no equipment is attached.*

The drop rate control knob (3) Figure 3, controls the speed at which the lower links and implement drop during a lowering cycle. This knob has a decal encircling it with seven numbered positions. Position 1 is the slowest rate and is denoted by a 'tortoise' symbol. Position 7 is the fastest setting, denoted by a 'hare' symbol.



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The malfunction warning light (1) Figure 3, serves two purposes:

– **Flashing light** means that there is a malfunction in the system circuits. This is repeated on the instrument panel as a warning light (1) Figure 4 or as an LCD symbol (1) Figure 5. Should a fault occur, consult your New Holland dealer.

– **Steady light** signifies 'hitch disabled'. Again, the 'hitch disabled' warning is repeated on the instrument panel as a warning light (2) Figure 4 or as an LCD symbol (2) Figure 5.

The 'hitch disabled' warning light/LCD symbol signifies that the lift control lever position does not correspond to the position of the lower links with the result that the lower links cannot be raised or lowered by the lift control lever. The 'hitch disabled' warning will display if:

- The lift control lever has been inadvertently moved with the engine stopped.
- The external power lift switches have been operated to raise or lower the three-point linkage. See 'External Hydraulic Power Lift Controls' on page 8.

**NOTE:** *To put the lift control lever back into phase with the lower links, with the raise/lower switch in the central position, pull the lever fully rearwards and push forward again, more slowly, to allow the lift linkage to lower.*

If your tractor is equipped with an electronic instrument panel, then the 'hitch enabled' symbol (2) Figure 6, will display to advise when the 3-point linkage is in phase with the lift control lever. In the event of the 3-point linkage/lift control lever becoming out of phase with one another, this display will disappear and the hitch disabled symbol will display. See preceding five paragraphs.

The digital display on the instrument panel (1) Figure 6 or 7, indicates the position of the lower links over a scale of '0' to '99'. A display of '0' indicates that the links are fully lowered and a display of '99' indicates they are fully raised.

The height limit control knob (1) Figure 8, limits the height to which the linkage may be raised. Adjust this knob to avoid the possibility of a large implement damaging the tractor when fully raised.

The indicator lights (2) and (3) will light up every time a movement of the three-point linkage is detected. The lights operate when the lift control lever is actuated or as lift and lower corrections occur during normal operation. The lower light (2) will illuminate when the three-point linkage lowers. The upper light (3) will illuminate when the linkage raises.

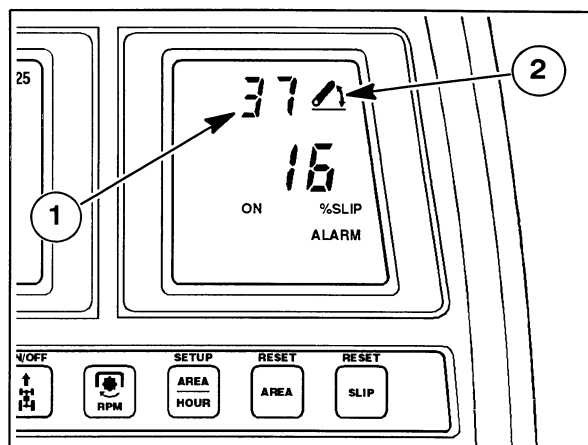
The raise/lower switch (1) Figure 9, enables the operator to rapidly raise the implement to the position set by the height limit control and to lower the implement back down to the position set by the lift control lever, without disturbing the settings. Thus, the operator is able to raise the implement at the headland and return the implement to the same operating conditions.

The switch has 3 positions. To raise the implement quickly, press the right-hand side of the switch. The implement will raise to the height set by the height limit control.

Move the switch to the central position and the implement will lower at the rate set by the drop rate control knob and stop when it reaches the depth set by the lift control lever.

Press and hold the left-hand side of the switch and the implement will lower at the rate set by the drop rate control knob, until it contacts the ground. The drop rate and the lift control lever settings will then be overridden and the implement will quickly penetrate the ground, rising to the pre-set depth when the switch is released. (The switch is spring-loaded to return to the central position, when released).

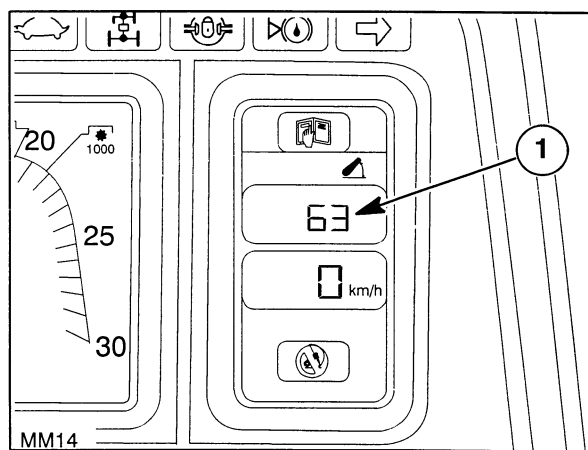
**NOTE:** *The implement will not lower if ground speed exceeds 15 MPH (24 km/h).*



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The slip limit control knob (1) Figure 10, available only with the optional radar sensor unit, enables the operator to select a wheel slip threshold, above which the implement will raise until wheel slip returns to an acceptable level. The system overrides the normal draft sensing signals of the hydraulics so care must be taken not to select too low a slip limit. Setting the slip limit to a very low level, unobtainable in wet conditions, may have a detrimental effect on the work rate.

The slip limit 'on' indicator (2) will illuminate when slip control is activated and the implement is raising to restore the selected slip rate. The knob is detented at the 'off' position (knob fully clockwise). Ideally, with the implement in work, you should turn the knob counterclockwise from the off position until the indicator light flickers, indicating that the implement is constantly raising and lowering to maintain working depth and induce weight transfer onto the rear wheels.

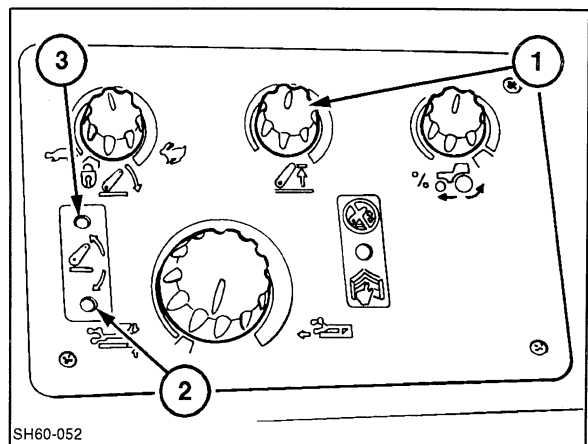


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A digital display of wheel slip, combined with a slip alarm may be programmed into the electronic instrument panel module. See ELECTRONIC INSTRUMENT PANEL in the Operator's Manual.

**Draft Control Operation**

To operate in Draft Control, adjustment of the Position/Draft sensitivity knob (3) Figure 10 and drop rate knob (4) is required. The following table may be used as a guide to enable you to adjust the settings to suit the implement and field conditions:



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