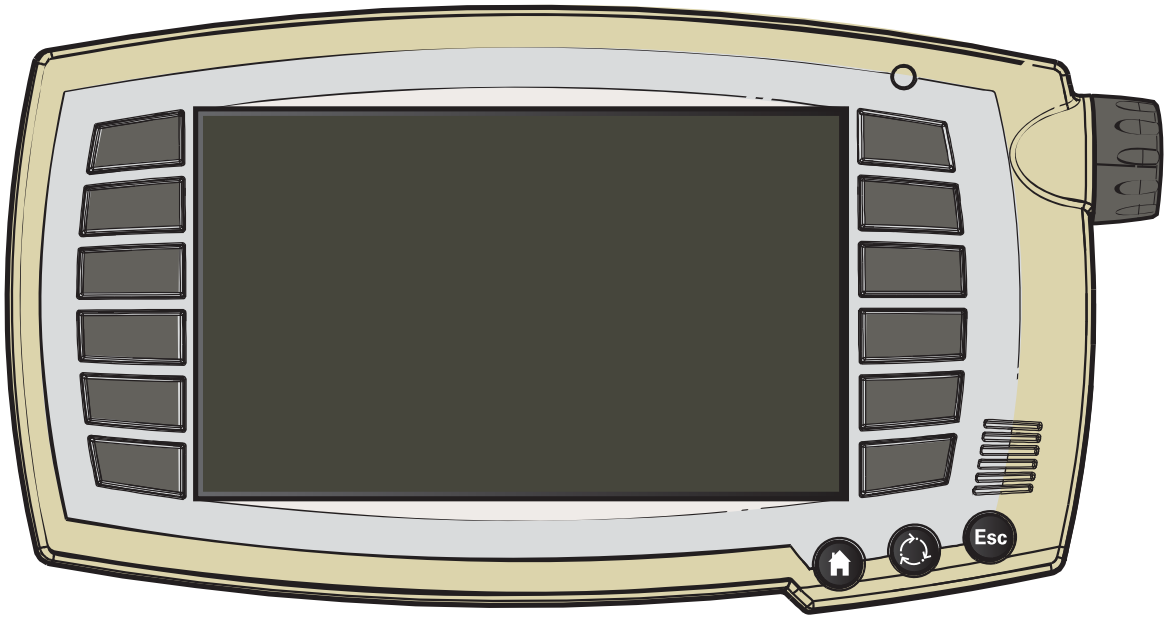
CALIFORNIA

Proposition 65 Warning

WARNING: Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects, and other reproductive harm.

WARNING: Battery posts, terminals and related accessories contain lead and lead compounds, chemicals known to the State of California to cause cancer, birth defects, and other reproductive harm. **Wash hands after handling.**

Datatronic CCD



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Datatronic CCD - EAME, NA
English

1.1 General

1.1.1 General

T003109

The on-board computer (Datatronic CCD) is a measuring and setting unit providing information that helps to make optimum use of the tractor. It is located on the armrest in the cab.
The Datatronic CCD comes on automatically when the tractor's ignition is switched on. The multicolour LED (9) *fig. 1* lights up in green. When the ignition is switched off, the Datatronic CCD stores all the information.
The controller's front panel is fitted with switches that provide access to the various applications displayed on the screen.

Fig. 1. I009066

The Datatronic CCD enables parameters to be set for the following applications:
- Settings
- Transmission
- Dyna-TM
- Headland
- Valves
- Instant
- Average
- Efficiency
- Rear linkage
- Front linkage
- Dual Control
- Pointes
- Memory name
- Isobus
- Task Controller
- Video

Icon (3) *fig. 1* selected

When the icon corresponding to the Memory name application is selected ( ), the window *fig. 5* opens, providing access to this application.

Fig. 5. I009012

Icon (4) *fig. 1* selected

When the icon corresponding to the Settings application is selected ( ), the window *fig. 6* opens, providing access to this application.

If no keys are pressed for 10 seconds after start-up, the Tractor application opens automatically.

Fig. 6. I009017

3. Settings application

Adjusting the sound

Turn the encoder to select the appropriate value between 0 and 100%.
Validate by pressing the ✓ key or by pressing the encoder, or cancel by pressing the ✗ key.

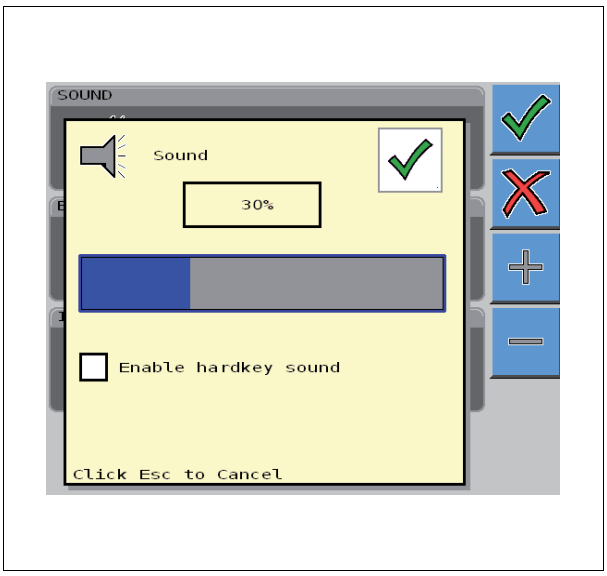


Fig. 13. I008931

Adjusting the brightness

Turn the encoder to select the appropriate value between 10 and 100%.
Validate by pressing the ✓ key or by pressing the encoder, or cancel by pressing the ✗ key.

There are 2 brightness settings (day and night). The Datatronic CCD automatically switches to night mode when the sidelights are switched on.

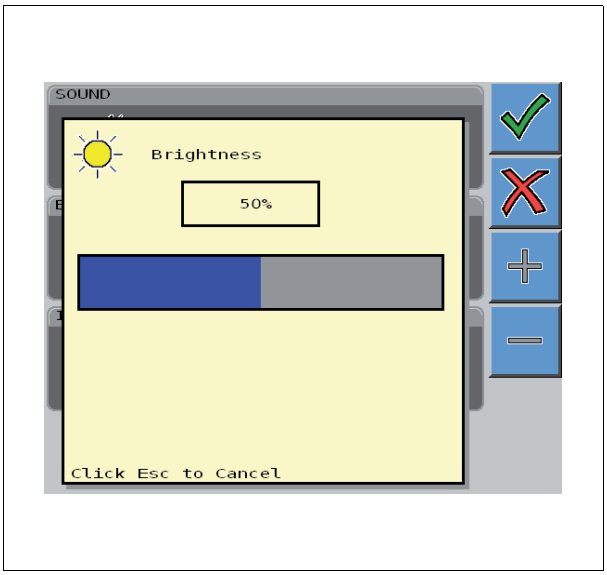


Fig. 14. I008932

4.2 Dyna-TM application

4.2.1 General

T003114

This application displays and adjusts the settings for DTM mode (Dynamic Transmission Management).

This application makes it possible to adjust the following settings:

– Engine speed lower limit in DTM mode
– Engine speed upper limit in DTM mode
– Triggers where the limits are applied

4.2.2 Description of the Dyna-TM application

T003115

When the Dyna-TM application is selected, the screen *fig. 1* is displayed.

(1) Engine speed lower limit
(2) Engine speed upper limit
(3) Triggers where the limits are applied

On the right-hand side of the screen, the icon is displayed at the top of the Dyna-TM application. This accesses the window where the three different settings can be adjusted.

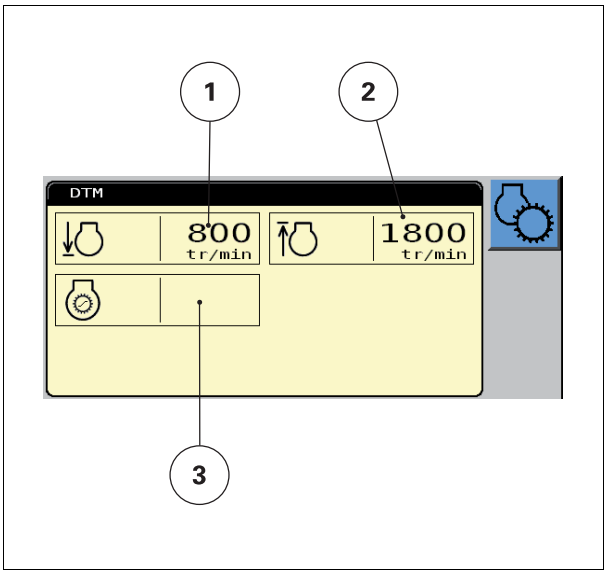


Fig. 1. I008835

4.2.3 Modifying the settings in the Dyna-TM application

T003116

When the Dyna-TM application is selected, pressing the switch that corresponds to the icon opens the various settings windows.

This window displays the following settings values.

Insert the distance to travel 1 m (3,28 ft) before the next action.

Insert the distance to travel 2 m (6,56 ft) before the next action.

Insert the distance to travel 3 m (9,84 ft) before the next action.

Insert the distance to travel 4 m (13,12 ft) before the next action.

Insert the distance to travel 5 m (16,40 ft) before the next action.

Stop additional relay control

Additional relay control

Place rear PTO in neutral

Select rear PTO 540 rpm speed

Select rear PTO economy speed

Select rear PTO 1000 rpm speed

Activate Auto-Guide

Deactivate Auto-Guide

Insert a pause

Activate camera

4.5 Instant counter application

4.5.1 General

T003117

This application provides the following information for a specified job:

- Area worked
- Area worked per hour
- Fuel consumption
- Fuel consumption per hour
- Distance covered
- Fuel consumption per area worked

These values are calculated instantly according to the forward speed and the working width.

4.5.2 Description of the Instant counter application

T003118

When the Instant Counter application is selected, the screen *fig. 1* is displayed.

(1) Area worked
(2) Area worked per hour
(3) Fuel consumption
(4) Fuel consumption per hour
(5) Distance covered
(6) Fuel consumption per area worked

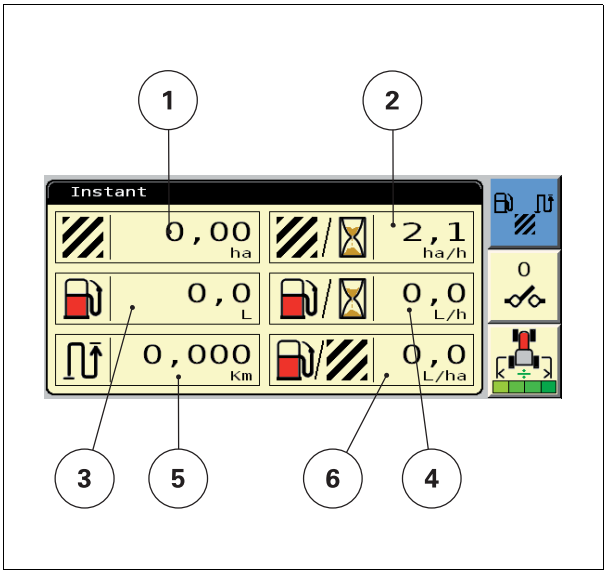
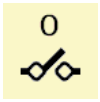


Fig. 1. I008855

On the right-hand side of the screen, there are three symbols displayed at the top of the Instant Counter application. These are used to select:

Memory name selection for counting.
NOTE: *Apply the correct parameters (work trigger and implement width).*



Manual counting. It is also possible to access automatic counting.

Implement real and instant working width. If the implement is not working over its entire width, the width can be modified in real time (in the case of points or overlaps).
The colour code representing the effective working width of the implement is divided into four sections:  ,  ,  and  .

4.5.3 Modifying the settings in the Instant application

T003120

When the Instant application is selected, pressing the switch corresponding to the icon  opens the Memory name screen.

– 2nd zoom

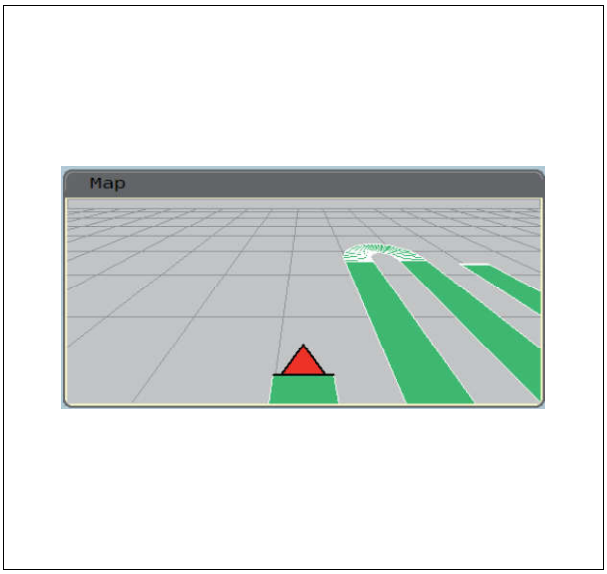


Fig. 5. I018963

– 3rd zoom

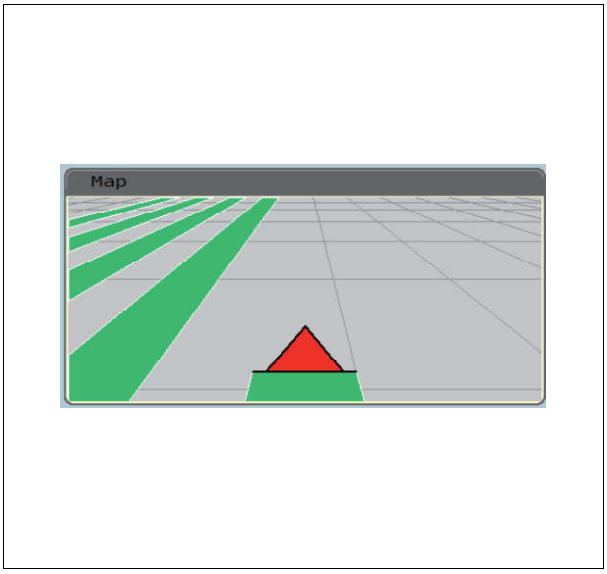


Fig. 6. I018964

– 4th zoom

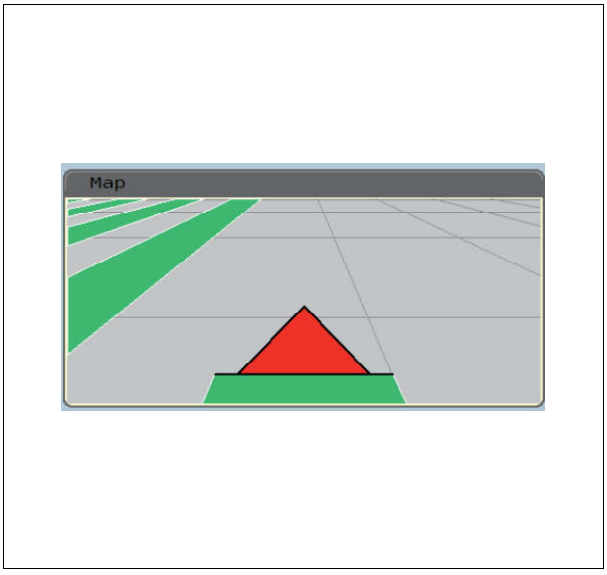


Fig. 7. I018965

4. Use the encoder to select the upper section of screen (B) *fig. 2*, and press the encoder.

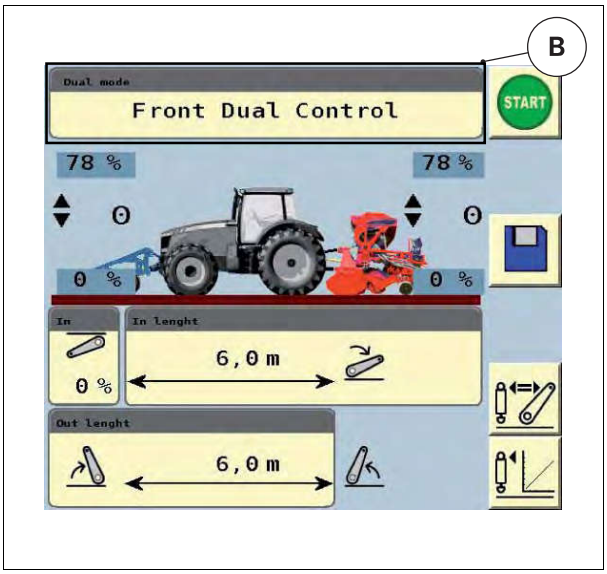


Fig. 2. I009210

5. The window *fig. 3* is displayed.
6. Turn the encoder to select the required Dual mode and confirm by pressing the encoder.

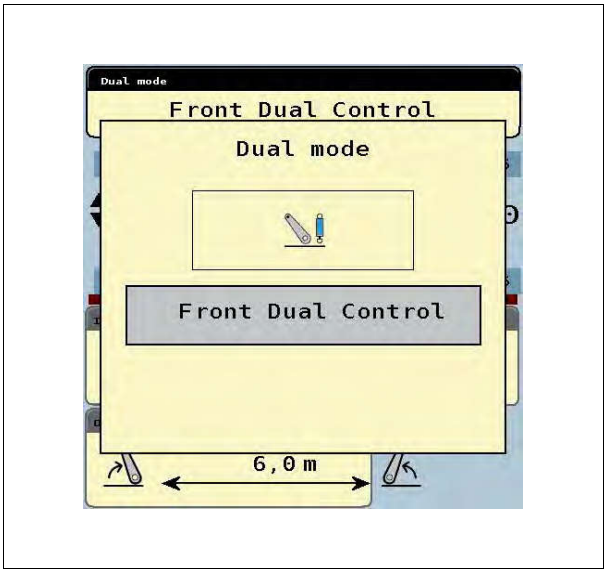


Fig. 3. I009211

4.11.3 Front Dual Control

4.11.3.1 Description of the Front Dual Control application

T003260

When the Front Dual Control application is selected, the window *fig. 4* is displayed.

(A) Rear Dual Control mode selected
(1) Value of the raised position of the implement lifting ram
(2) Value of the current position of the implement lifting ram
(3) Value of the lowered position of the implement lifting ram
(4) Position of the spool valve control for the lifting implement ram

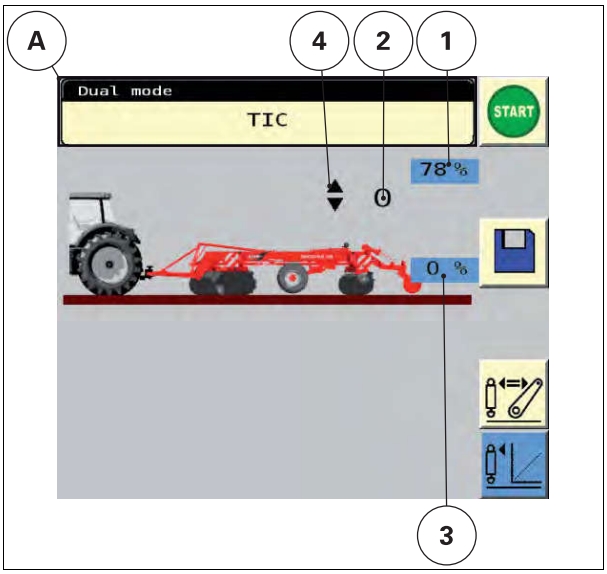


Fig. 16. I019012

Dual Control activation

Dual Control deactivation


Storing the value


Recopy function: When this function is activated, modifications to the rear linkage depth during use are transferred to the front linkage.


Calibration

4.11.5.2 Adjusting the rear implement position sensor

T007432

To ensure correct operation of the TIC, the rear implement depth wheel position sensor must be calibrated.

IMPORTANT: *This operation must be performed on first use or as soon as work is carried out on the rear implement depth wheel position sensor.*
Calibration is carried out via the Datatronic CCD calibration screen.

IMPORTANT: *For efficient calibration, the rear implement depth wheel must be able to move from its highest position to its lowest position. To do this, lift the implement to prevent the shares from touching the soil when the implement is in low position.*

The procedure for calibrating the implement sensor is identical to that described in the Rear Dual Control application, *see §4.11.4.2, page 96*.

4.11.5.3 Storing raised and lowered linkage positions of the trailed implement

T007433

General

For optimum operation, the Datatronic CCD must know the raised and lowered position of the implement. The hitched implement must be equipped with a position sensor connected to the rear of the tractor.

Storing the raised position

1. Place the implement in the raised position using the lift ram spool valve control. When the spool valve control is actuated, the raised position value varies.
2. Press the switch corresponding to the icon to store the raised position.

Storing the lowered position

1. Place the implement in the lowered position using the lift ram spool valve control. When the spool valve control is actuated, the lowered position value varies.
2. Press the switch corresponding to the icon to store the lowered position.

Use the encoder or the corresponding switch to select the required function to set:

Storage setting A

Storage setting B

Maximum speed setting

Activation response time setting for the required speed

Storage setting A

This window is used to set the storage setting A for a speed that varies from 800 to 2100 rpm. Speeds can be set in increments of ± 10 rpm.

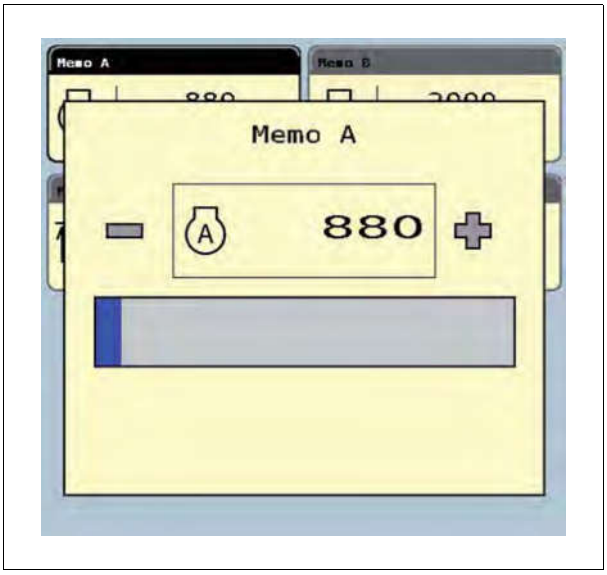


Fig. 3. I026356

Storage setting B

This window is used to set the storage setting B for a speed that varies from 800 to 2100 rpm. Speeds can be set in increments of ± 10 rpm.

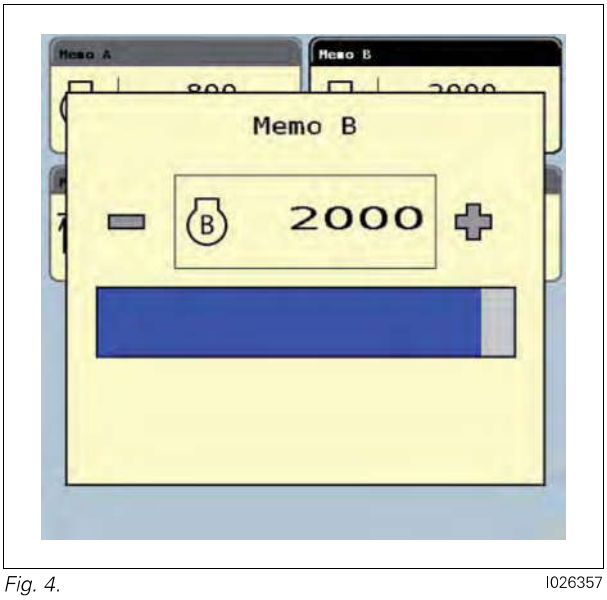


Fig. 4. I026357

This screen displays the eight memories and any names that have been assigned to them. Select one of the eight recorded memories by selecting the frame with the encoder.
For example *fig. 2*, memory 1 is named "BLUEBIRD 4M".
Press the encoder to select a memory on the screen.

To activate a memory, press the switch corresponding to the icon.

To deactivate a memory, press the switch corresponding to the icon.

When a memory is active, the icon is displayed.

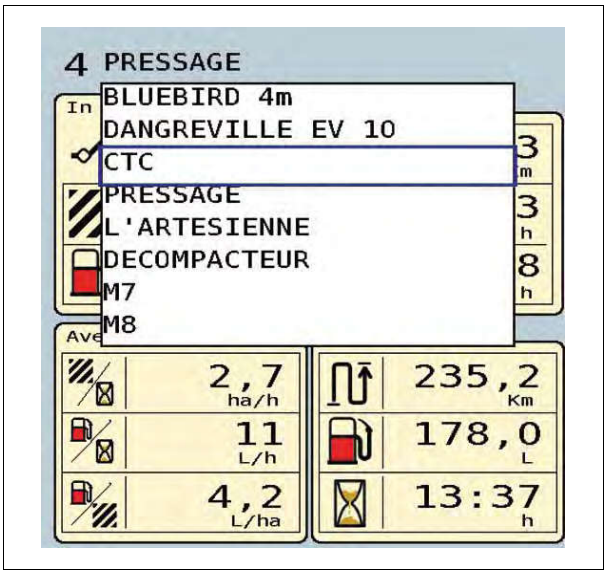


Fig. 2. I026417

Displaying the work values (A *fig. 1*)

This screen displays the work values for the selected memory, namely:

(1) Implement stored width

Surface area worked by the stored implement

Work consumption

Distance covered

Time spent

PTO operating time

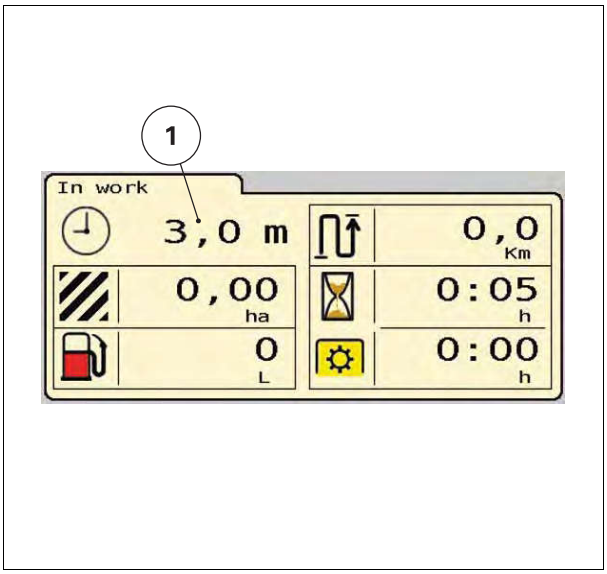


Fig. 3. I026434

– Always in forward travel

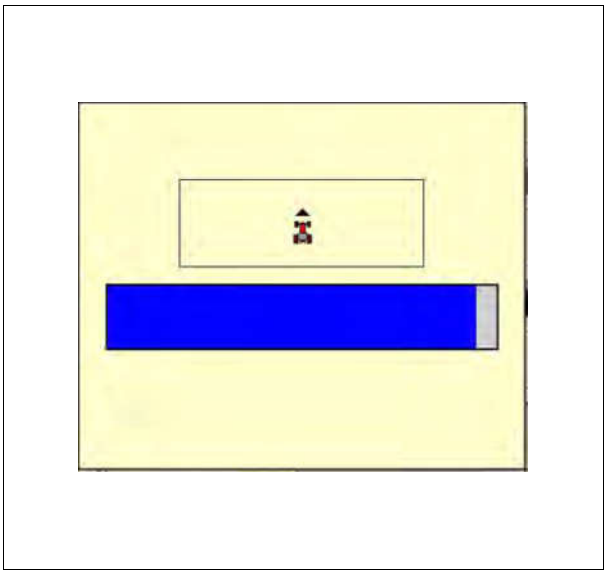


Fig. 22. I027829

– External signal

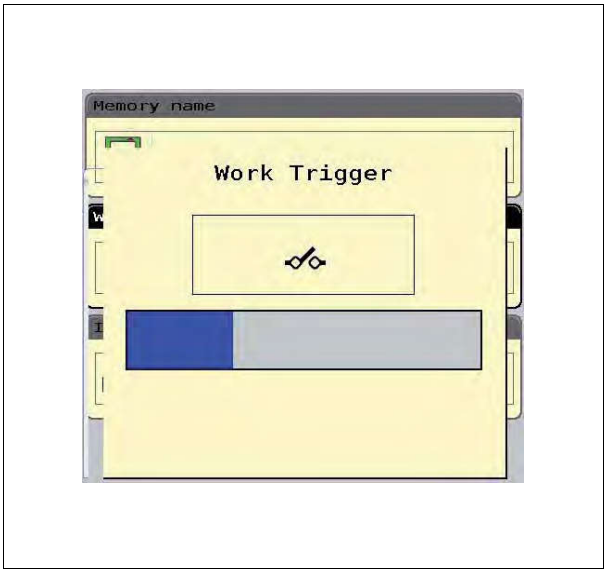


Fig. 23. I008970

5.3.2 Modifying the options and memories

T011268

When a memory is selected, pressing the switch that corresponds to the icon opens a new window*fig. 24*.

6.4 Using an Isobus joystick

6.4.1 Using an Isobus joystick

T003159

When using an Isobus implement that requires a joystick for certain functions, a joystick can be connected inside the cab to the connection (A) *fig. 1* which can be set via the Datatronic CCD.

The joystick will appear as an Isobus implement on the Datatronic CCD.
Follow the instructions in the joystick user manual to set the parameters as required.

Fig. 1. I009064