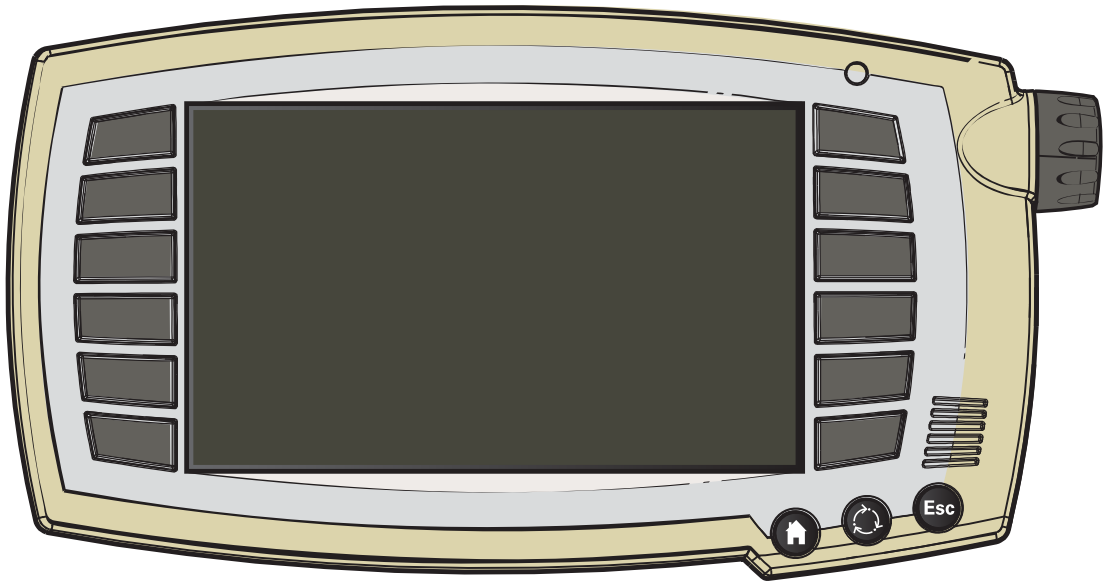
CALIFORNIA

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



AGCO S.A. - Beauvais - France - RC B562 104 539
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Original Operator's Manual

September 2011
No. 4346236M4
Issue 1
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. 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
- Joystick
- Instant
- Average
- Efficiency
- Map
- Engine
- Steering axle beam
- Rear linkage
- Dual Control
- Pointes
- Front linkage
- Memory name
- Isobus
- Task Controller
- Video

2

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.

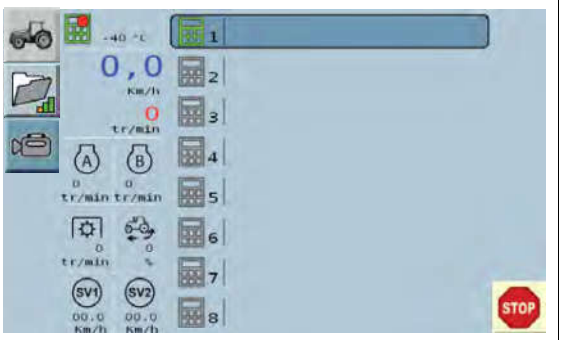

Fig. 5. I009012

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

3

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.

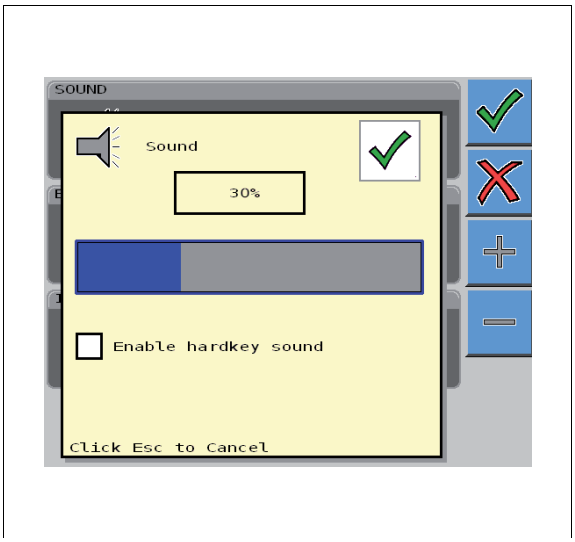

Fig. 13. I008931

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.

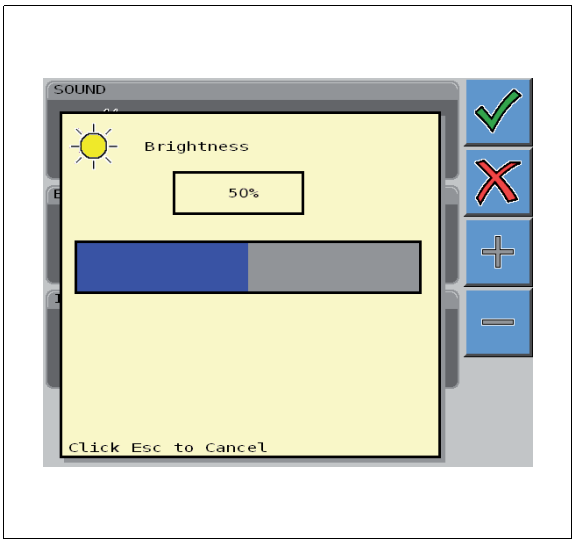

Fig. 14. I008932

4.2 Dyna-TM application

4.2.1 General

T003114

This application displays and adjusts the settings for Dyna-TM (Dynamic Transmission Management) mode.

This application makes it possible to adjust the following settings:

– Engine speed lower limit in Dyna-TM mode
– Engine speed upper limit in Dyna-TM 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.

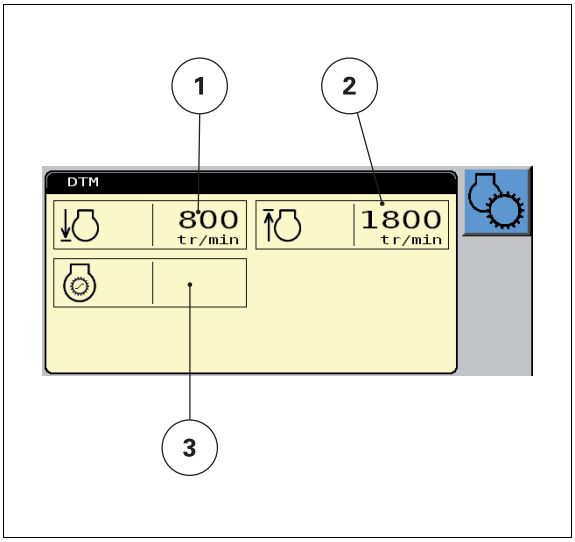

Fig. 1. I008835

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.


Activate front linkage Lifting


Activate front linkage Lowering


Stop front linkage


Activate front linkage floating position

Insert 1-second time delay

Insert 2-second time delay

Insert 3-second time delay

Insert 4-second time delay

Insert 5-second time delay

Insert distance of 0.5 m (1.64 ft) to be travelled before next action

Insert distance of 1 m (3.28 ft) to be travelled before next action

Insert distance of 2 m (6.56 ft) to be travelled before next action

Insert distance of 3 m (9.84 ft) to be travelled before next action

Insert distance of 4 m (13.12 ft) to be travelled before next action

Insert distance of 5 m (16.40 ft) to be travelled before next action

4.5 Joystick application

4.5.1 General

T011218

This function is used to assign a specific control to the two switches on the joystick, F3 and F4. A window displays a list allowing the operator to select the controls to assign to the buttons.

4.5.2 Description of the Joystick application

T011219

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

(1) Function assigned to switch H3
(2) Function assigned to switch H4

Access to the window used to assign functions to switches H3 and H4

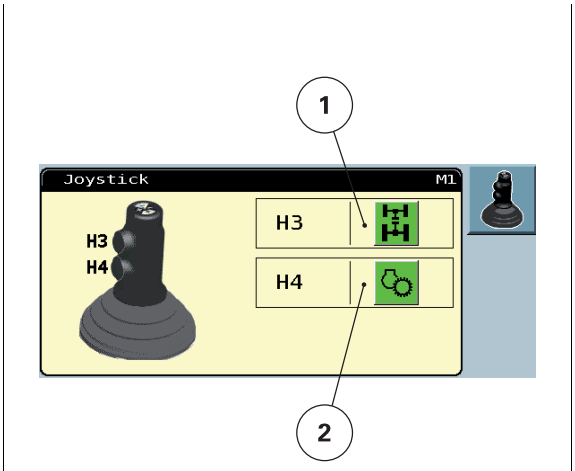

Fig. 1. I033302

4.5.3 Modifying the settings in the Joystick application

T011223

When the Joystick application is selected, pressing the switch corresponding to the icon  opens a new window.

This window provides the option of adjusting the functions of switches H3 and H4 separately.
Use the encoder or the corresponding switch to select the required function.

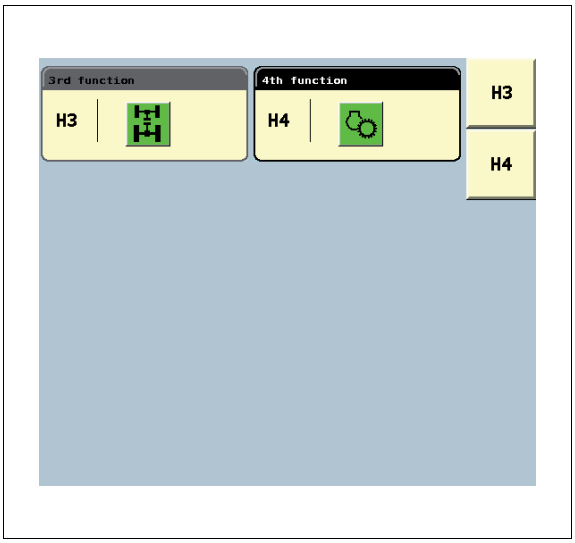

Fig. 2. I033303

To return to the screen showing the different values, press the switch corresponding to the icon.

After the setting has been selected, one of the following screens is displayed.

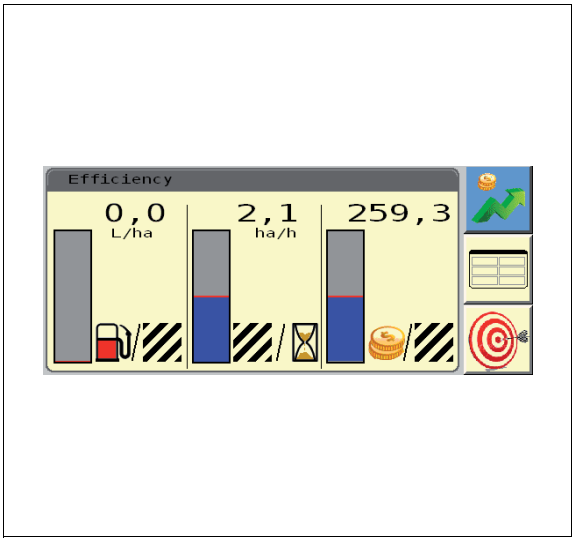

Fig. 2. I008889

Modifying the costs

To fine-tune the cost per hectare, it is possible to apply an exact cost for the fuel and labour.
To modify the costs, press the switch corresponding to the icon.
The relevant screen is displayed, with two options that can be changed.

(A) Fuel cost modification
(B) Labour cost modification

The screen corresponding to the appropriate setting is displayed.

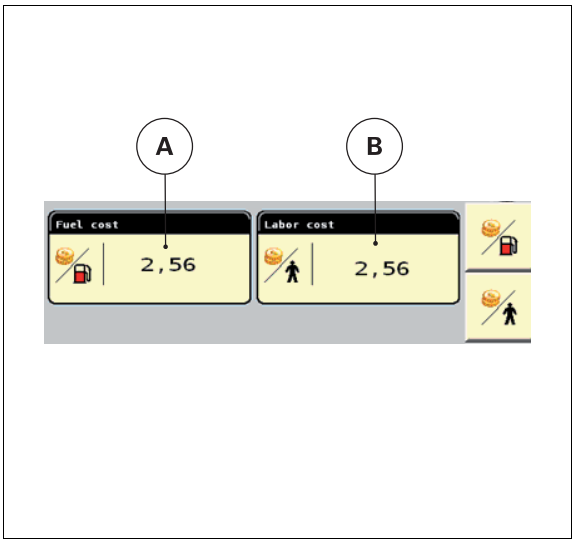

Fig. 3. I008893

Spool valve selector switch used for the steering axle

This window is used to select the spool valve used at the rear to operate the steering axle. Spool valves 1 to 4 can only be selected for use with a steering axle beam. It will also be necessary to consider fitting a pressure sensor to the spool valve used and to connect it to the rear Dual Control take-off.

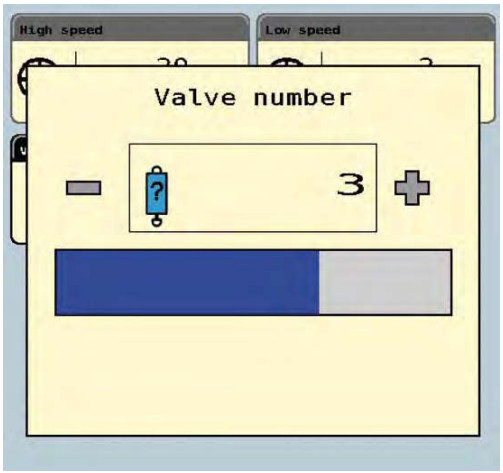

Fig. 5. I026388

Connecting the pressure sensor to the selected spool valve

The steering axle beam function requires a sensor to be connected. This sensor must be connected to the rear Dual Control take-off so that the pressure signals are recognised by the tractor's electronic system. This sensor (ref. 4356266M11) can be ordered from AGCO Parts by contacting your dealer.

(A) Rear Dual Control mode selected
(B) Screen for setting the rear linkage partial lowering value
(C) Screen for setting the furrow start length
(D) Screen for setting the furrow end length
(E) Screen for setting the implement depth wheel partial lifting value
(1) Rear linkage raised position value
(2) Rear linkage current position value
(3) Rear linkage lowered position value
(4) Implement depth wheel raised position value
(5) Implement depth wheel current position value
(6) Implement depth wheel lowered position value
(7) Linkage control position
(8) Spool valve control position
(9) Linkage partial lowering value set
(10) Furrow start length value
(11) Furrow end length value
(12) Implement depth wheel partial lifting value

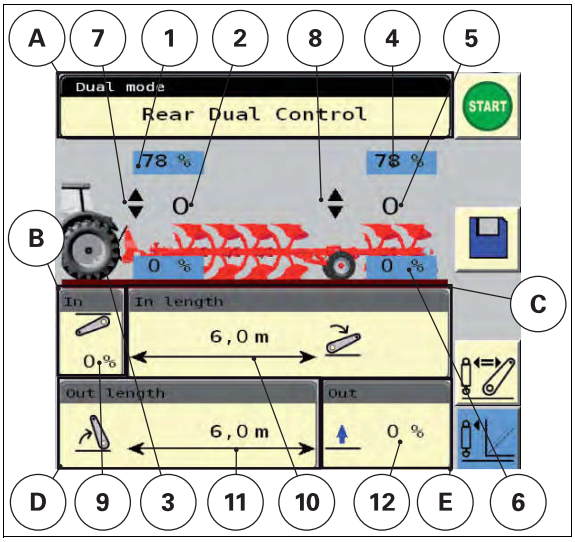

Fig. 9. I019007

Dual Control activation

Dual Control deactivation


Storing the value


Recopy function: When this function is activated, modifications to the rear linkage depth are transferred to the implement depth wheel.


Calibration

4.13.4.2 Adjusting the rear implement position sensor

T007420

Calibration: uses and objective

To ensure correct operation of the Rear Dual Control, 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.

Furrow at point - 4 m (13 ft)
The tractor becomes perpendicular to the lines in the field a second time but on the other side; the point value becomes positive.

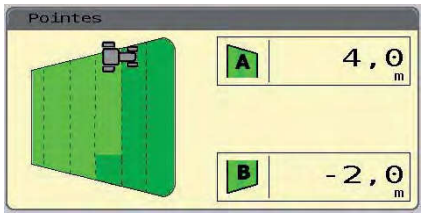

Fig. 10. I008919

The screen progresses through these 4 displays each time the linkage switch is actuated.

4.14.4 Steps to follow for setting off correctly

T003133

1. Select the turning direction in order to synchronise the position of the tractor on the screen and its position in the field.
2. Use the Datatronic CCD to set points A and B, ensuring that the tractor remains in the position represented on the screen. (Keep the linkage in neutral while performing this operation.)
3. Ensure that the Dual Control function is activated.

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.

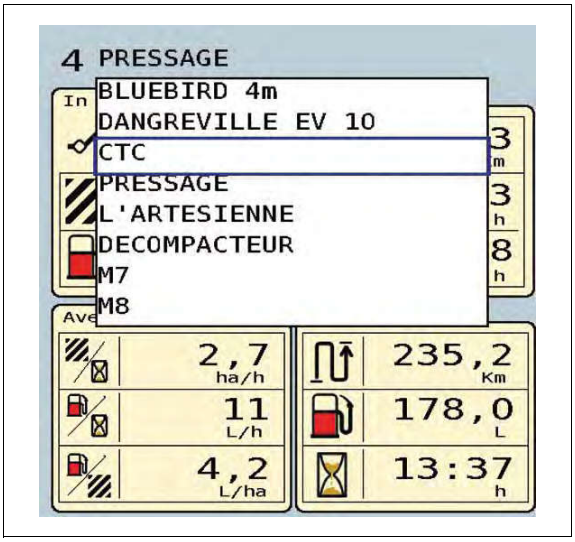

Fig. 2. I026417

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

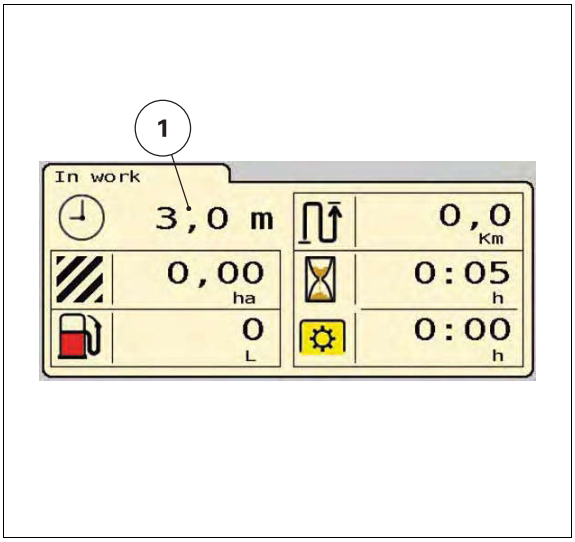

Fig. 3. I026434

5

– Always in forward travel

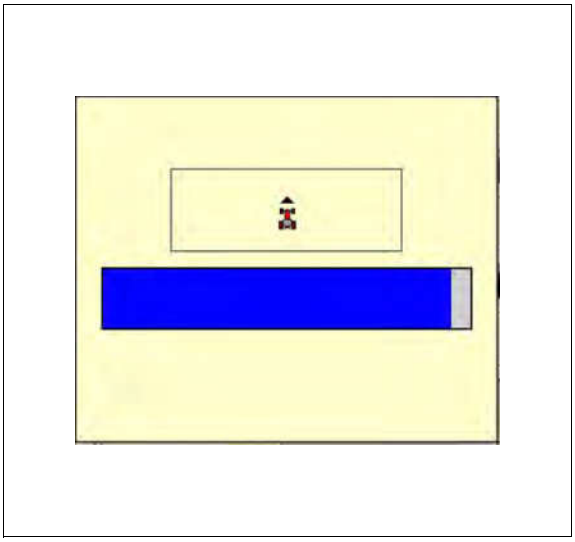

Fig. 22. I027829

– External signal

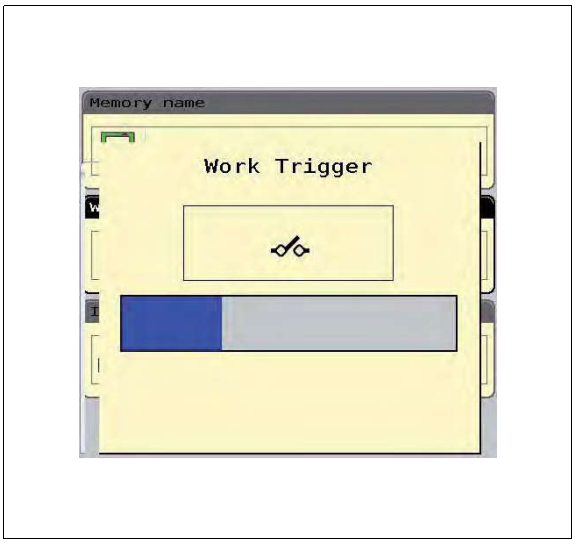

Fig. 23. I008970

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 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.

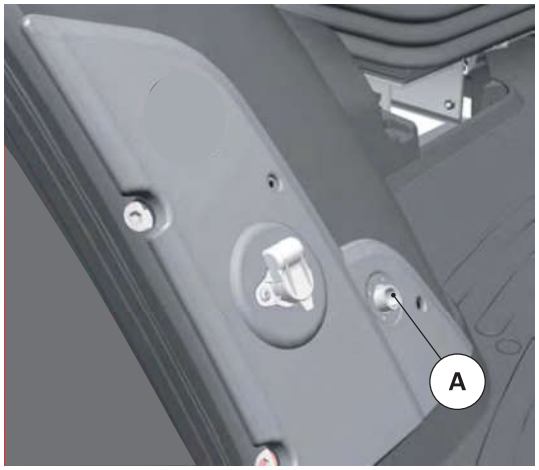

Fig. 1. I009064