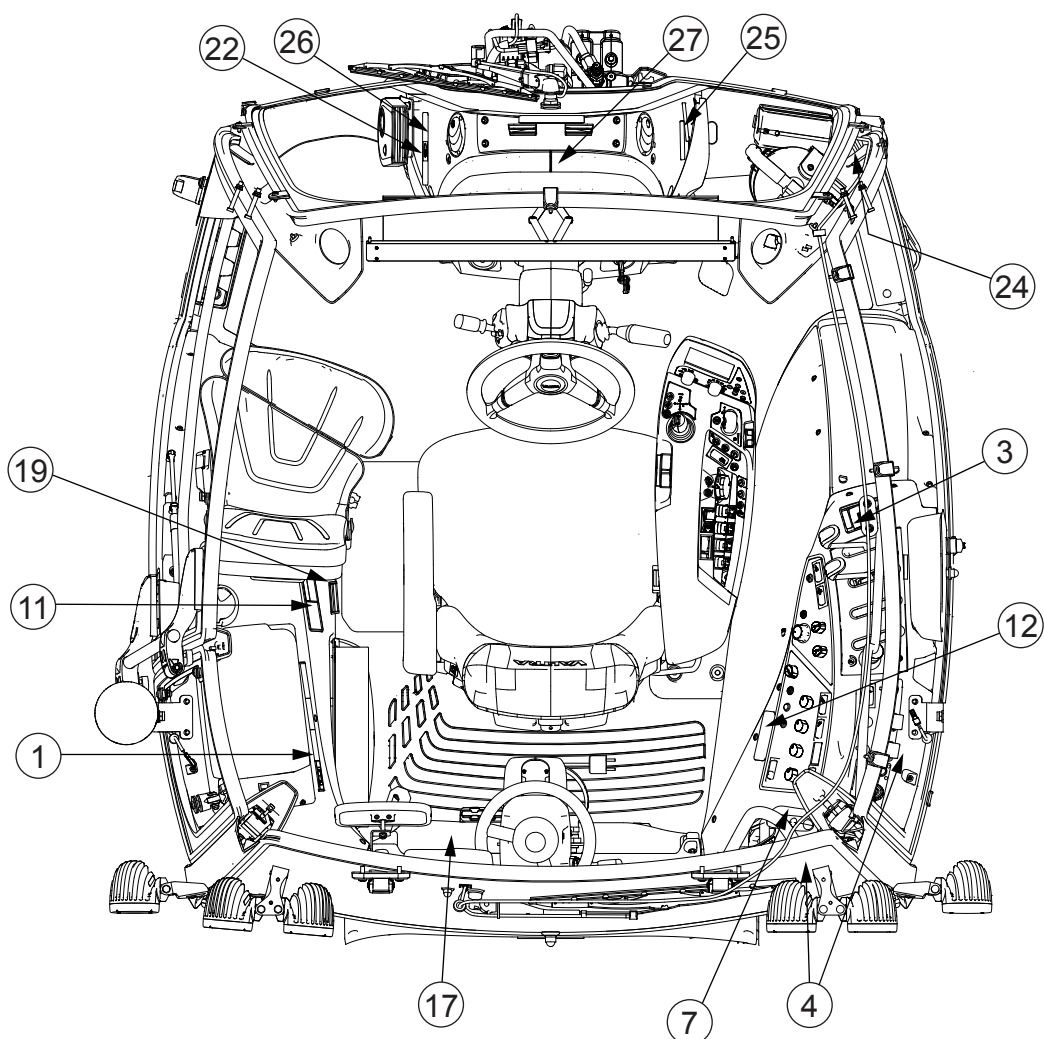


## 1. Safety precautions




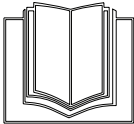


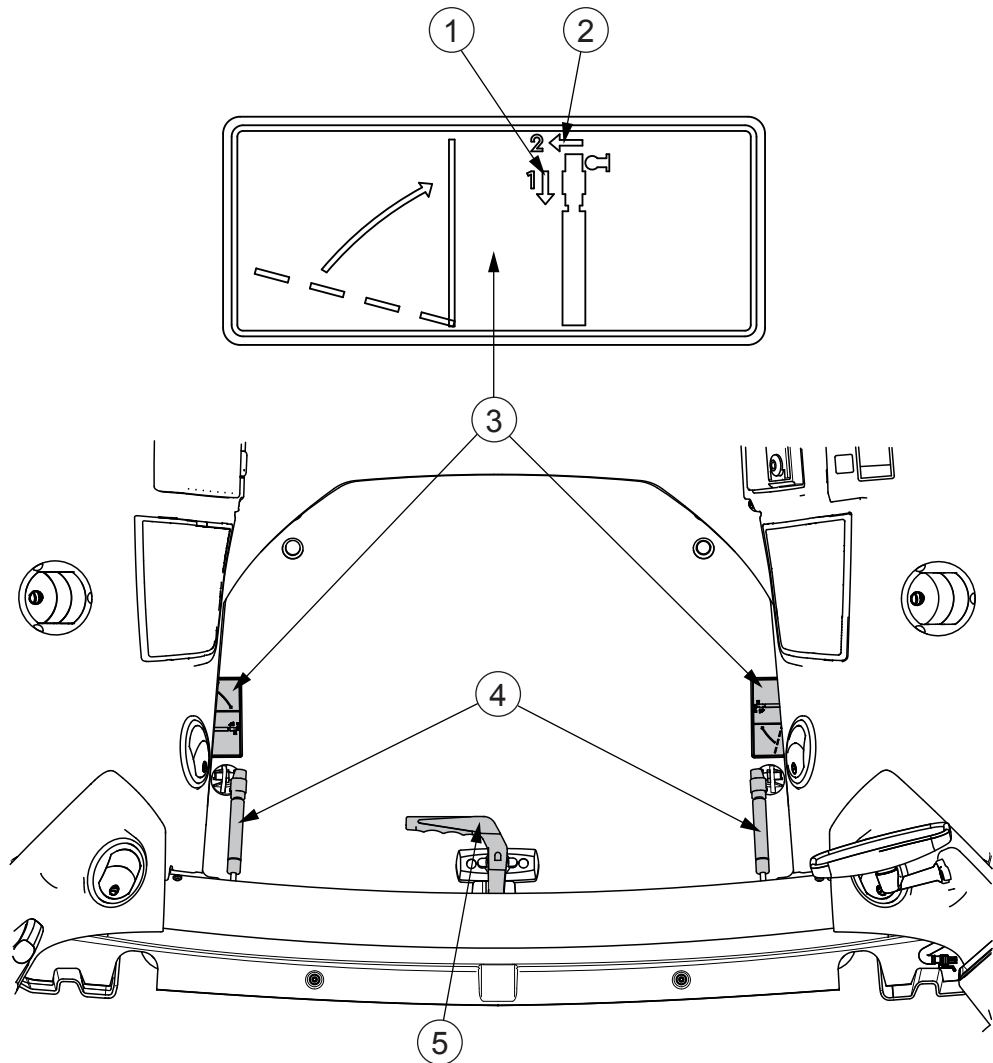
1	<p>Caution: Instructions on avoiding injuries during startup, driving and maintenance. Located inside the cab, below the left-hand side C-pillar.</p> <div data-bbox="443 1368 1385 1597"> <div>  <b>CAUTION</b> </div> <div>  </div> <div> <p><b>To avoid injury</b></p> <ul style="list-style-type: none"> <li>● Read the Operators instruction Book for safety information and operating instructions.</li> <li>● Fasten your seat belt before tractor operation.</li> <li>● Start engine only when seated in operator's seat.</li> <li>● Make sure everyone is clear of tractor and equipment before starting engine or operation.</li> </ul> </div> <div> <ul style="list-style-type: none"> <li>● Keep all shields, covers and guards in place and stay away from moving parts while engine is running.</li> <li>● Place transmission shift lever in neutral and apply parking brake before using external 3-point hitch controls.</li> <li>● Apply parking brake. Lower equipment, stop engine and remove key before leaving the tractor unattended.</li> </ul> </div> <div> <ul style="list-style-type: none"> <li>● Wait for all movement to stop before servicing tractor or equipment.</li> <li>● Securely support or block lifted implements which must be in the raised position for servicing or adjustment.</li> <li>● Couple brake pedals together for road travel.</li> <li>● Use flashing warning lights and STV emblem when on public roads, except where prohibited by law.</li> <li>● Always drive with care and attention.</li> </ul> <p>36149410</p> </div> </div>
2	<p>Warning: Country-specific warning concerning handling of the battery and its accessories. Located on the side of the battery casing.</p> <div data-bbox="443 1709 743 1962"> <div>  <b>WARNING</b> </div> <p>Battery posts, terminals, and related accessories contain lead and lead compounds, chemicals known to the State of California to cause cancer and reproductive harm.</p> <p>Wash hands after handling.</p> <p>36151500</p> </div> <div data-bbox="935 1709 1238 1962"> <div>  <b>ATENCIÓN</b> </div> <p>Los bornes de la batería y el resto de los accesorios relacionados contienen plomo y componentes de plomo, estos compuestos pueden producir cáncer y daños en el aparato reproductor, según el Estado de California.</p> <p>Lávese las manos después de su contacto.</p> <p>39665500</p> </div>

Table continued on next page

## 1. Safety precautions

- Roof hatch



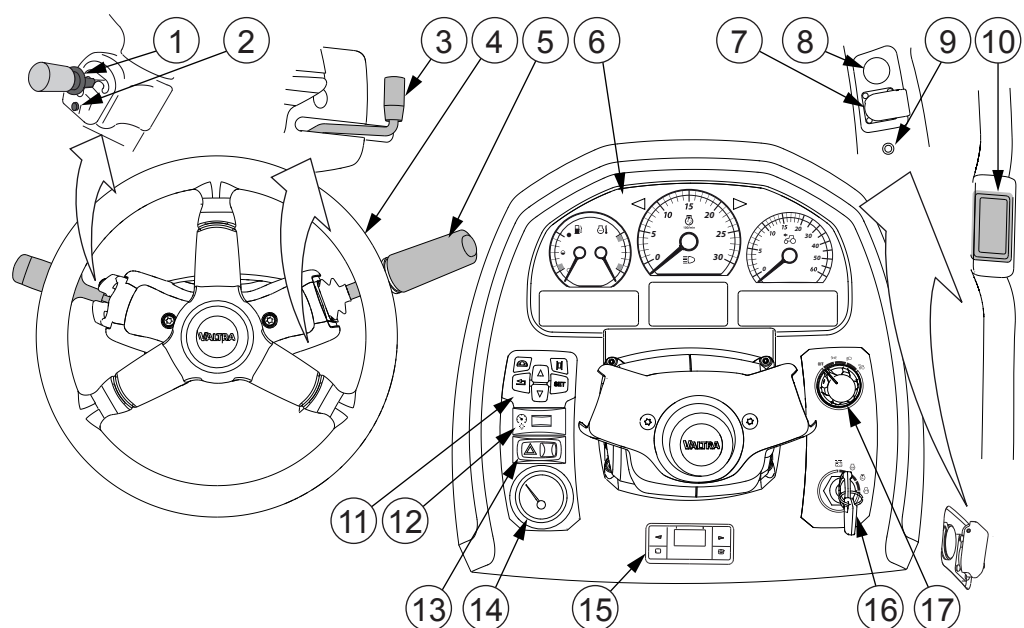
1. Direction for releasing the lock
2. Direction for detaching the spring
3. Safety sign for using the emergency exit
4. Gas springs with quick locks
5. Handle

- Pull open the sunshade.
- Turn the handle to unlock the hatch.
- Release the locking of the gas springs by pulling the spring shafts to the direction the arrow indicates.
- Detach both gas springs from their quick locks by pulling to the direction the arrow indicates.
- Push the hatch fully open.



**WARNING:** When driving on ice, keep the roof hatch open.

## 2.3 Dashboard

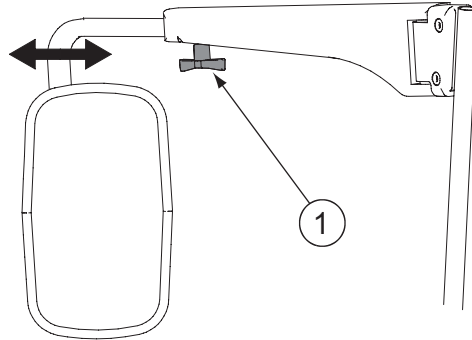


1. Power shuttle lever
2. Preprogramming push button
3. Lever for adjusting steering wheel position
4. Steering wheel
5. Multifunction lever
6. Proline instrument panel
7. 3-pin current socket (optional)
8. Power outlet (optional)
9. Fuel-operated heater on/off push button (optional)
10. A-pillar display
11. Control panel for A-pillar display and Proline
12. Instrument panel light dimmer
13. Hazard lights switch
14. Pressure gauge (optional)
15. Fuel-operated heater panel (optional)
16. Main power/ignition switch
17. Light switch

- Set the steering wheel rake.
  - Press the locking pedal down.
  - Adjust the steering wheel rake to the desired position.
  - Release the pedal.

### 3.2.4 Adjusting standard mirrors

You can adjust the position of the standard mirrors manually.

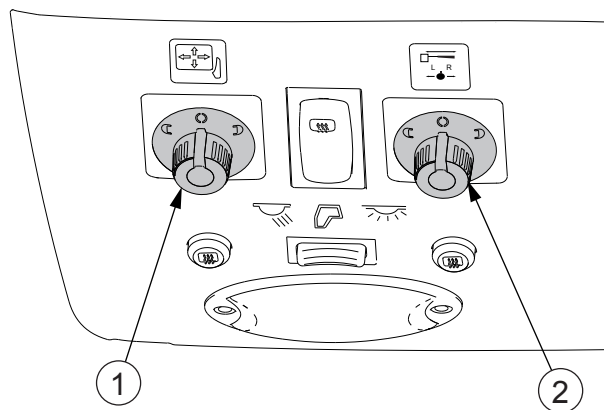


1. Locking device of the mirror support

1. Loosen the locking device of the mirror support.
2. Adjust the mirror position.
3. Tighten the locking device.

### 3.2.5 Adjusting optional mirrors

You can adjust the position of the optional mirrors electrically.

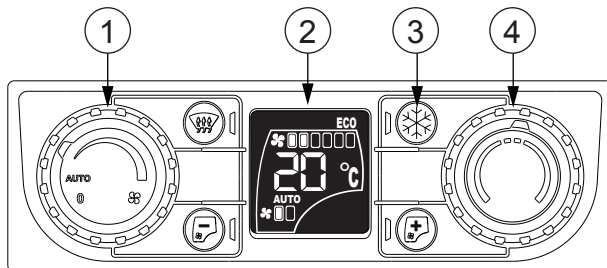


1. Mirror adjustment
2. Telescopic mirror adjustment

- To deactivate the air conditioning system, turn the fan control knob to the OFF position.

#### 3.6.4.3 Using ECO mode

Use the air conditioning ECO mode to regulate the cab temperature without the AC compressor. In the ECO mode the system tries to achieve the target temperature by adjusting the water valve and fan speed. This mode saves both the battery power and fuel.



1. Fan speed control knob
  2. Display
  3. Air conditioning ON/OFF
  4. Temperature control knob
- **Using the ECO mode when the air conditioning system is in the AUTO mode.**
    - **Switch off the AC compressor by pressing the air conditioning ON/OFF push button.**

The fan speed is regulated by the system and indicators AUTO and ECO are displayed.
    - **Select the target temperature with the temperature control knob.**

If you turn the temperature to LO the AC compressor is automatically turned on.
  - **Using the ECO mode when the air conditioning system is in the manual mode**
    - **Switch off the AC compressor by pressing the air conditioning ON/OFF push button.**
    - **Select the target fan speed with the fan speed control knob.**
    - **Select the target temperature with the temperature control knob.**

If you turn the temperature to LO the AC compressor is automatically turned on.
  - **To deactivate the ECO mode:**
    - **press the air conditioning ON/OFF button (the AC compressor is activated), or**
    - **turn the fan speed control knob to AUTO, or**
    - **turn the fan speed control knob to OFF.**

- **Shift speed range between ranges C and D.**

You can change between speed ranges C and D without pressing the speed range selection buttons when speed range C-D shifting automatics is activated and shifting automatics is in the manual mode.

For example:

- When Powershift 5 of speed range C is engaged and you press the button for shifting up the Powershift gear, the automatics shift the gear to the appropriate Powershift gear in speed range D according to the driving speed and engine speed.

OR

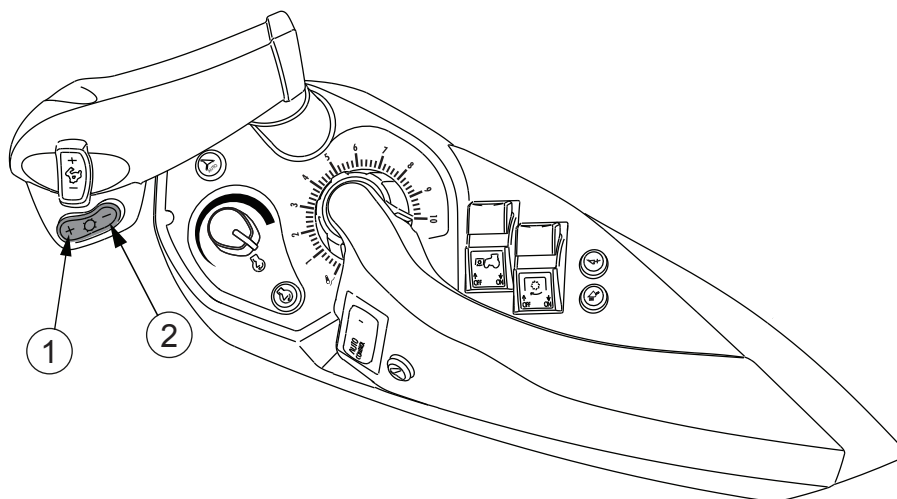
- When Powershift 1 of speed range D is engaged and you press the button for shifting down the Powershift gear, the automatics shift the gear to the appropriate Powershift gear in speed range C according to the driving speed and engine speed.

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### 3.8.11.3 Selecting the creeper speed range

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You can engage the creeper speed range with the speed range push buttons.




1. Speed range selection + button
2. Speed range selection - button

**IMPORTANT:** Engaging the creeper range is only allowed when the tractor is stationary.

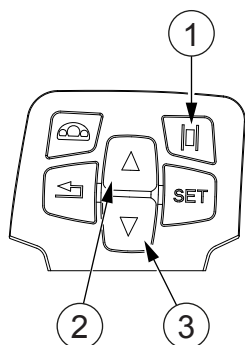
1. **Select the speed range A.**
2. **Stop the tractor and press down the clutch pedal.**
3. **Engage the creeper range with the speed range selection - button.**

**NOTE:** You cannot engage the creeper range with speed ranges B, C or D selected.

The  symbol flashes on the display until the creeper speed range engages.

### 3.11.2.4 Changing general information section views

You can scroll the function views by pressing the up and down arrows in the control panel.



1. A-pillar display selection
2. Arrow up
3. Arrow down

1. To operate the A-pillar display with the control panel, press the A-pillar display selection button.
2. Press the up and down arrows in the control panel to scroll between the function views.

The views are organised in the following order:

1. Rear PTO / Front PTO / Driving Speed / Temperature (the highest priority is shown)
2. Driving Speed / Temperature (the highest priority is shown)
3. Rear PTO (fixed view)
4. Front PTO (optional equipment) (fixed view)
5. Temperature (fixed view)

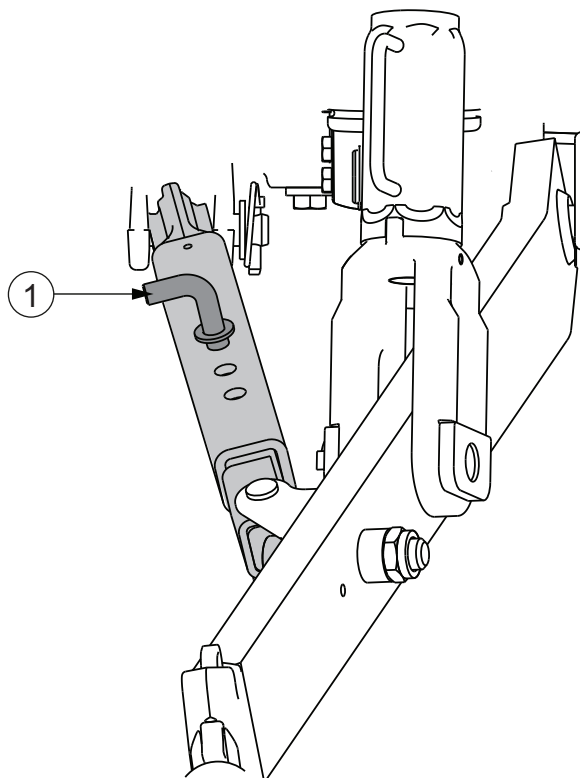
When both the rear power take-off and front power take-off are in use, the rear power take-off speed is shown on the A-pillar display.

The basic mode shows the outdoor temperature when the tractor does not move. When the driving speed is greater than 0.3 km/h, the speed is shown instead of temperature.

The last used display mode is saved when you turn off the power.

### 3.13.5 Adjusting side limiters

You can adjust the lateral distance between the lower links by changing the length of the side limiters.



1. Limiting pin

1. **Unfasten the limiting pin.**
2. **Adjust the distance between the lower links.**  
Check that the lower links do not come into contact with tyres.
3. **Fasten the pin to the appropriate hole to obtain the desired distance between the lower links.**

Attaching the pin to the oval hole allows a slight lateral movement of the lower links.

### 3.13.6 Automatic side limiters

The automatic side limiters are used to limit the distance between the lower links. They can be set to a fixed position, similar to the standard side limiters, or they can be set to be released to floating position automatically. The automatic side limiters are optional equipment.

**IMPORTANT:** Adjust the automatic side limiters so that they do not come into contact with the rear wheels.



### 3.18 ISOBUS implement control system


The Valtra ISOBUS implement control system (extra equipment) complies with the ISO 11783 standard.

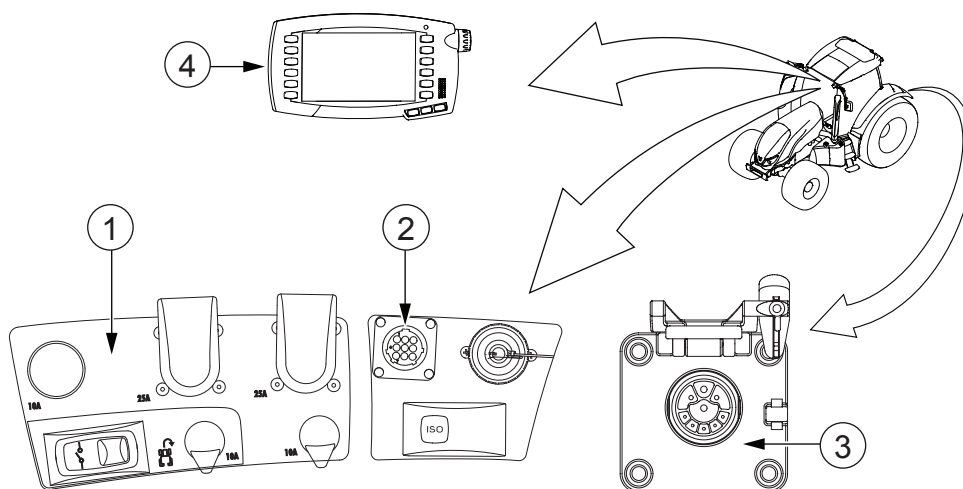
The system connects together the tractor, the implement and the ISOBUS terminal, and enables information exchange between these units.

The Valtra ISOBUS implement control system fulfils the Class 2 standard requirements. It transmits the following information to the implements connected to the ISOBUS.

- Tractor speed information (radar, wheels and engine)
- Distance and direction
- Rear linkage position
- Power take-off (PTO) status and speed
- Lighting control

The Valtra ISOBUS implement control system provides also electric power for ISOBUS components (25 A) and electric power for actuators and implements (60 A). The Valtra ISOBUS implement control system can maintain the power for a maximum of one hour if an implement or the terminal requires so.

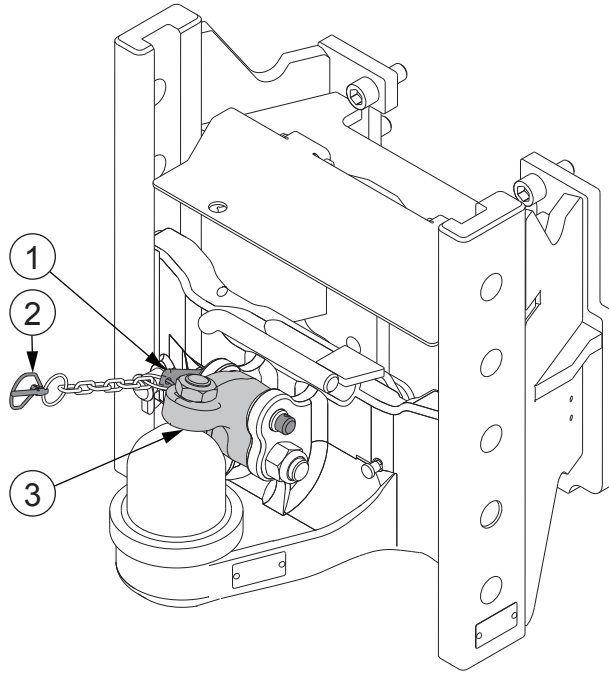
**NOTE:** The main power of the tractor is on for a maximum of one hour after the ignition switch is turned to the  (OFF) position.



1. ISOBUS bus extension connector (under the side panel)
2. ISOBUS terminal connector
3. ISOBUS implement connector
4. Valtra C1000 ISOBUS Terminal

#### 3.20.7.3 Attaching to the mechanical jaw K80

You can attach a trailer to the mechanical jaw K80.



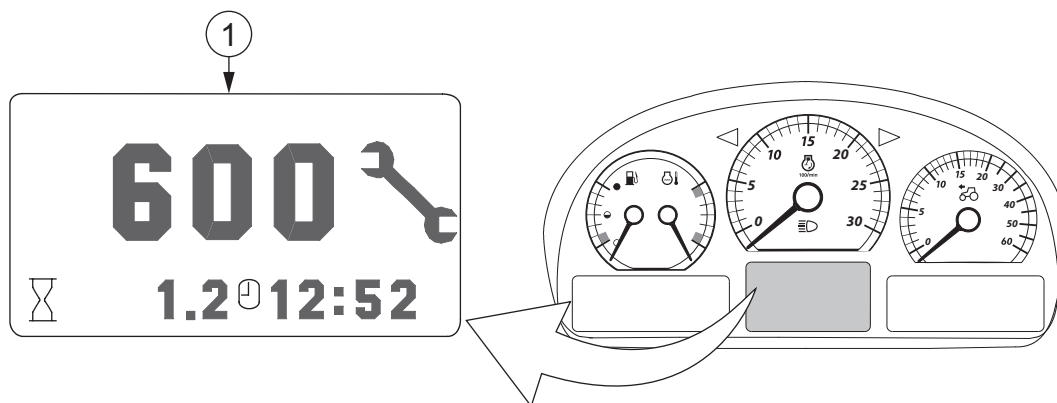
1. Pin
2. Locking pin
3. Locking

1. Remove the locking pin.
2. Pull the pin off and open the locking.
3. Attach the trailer to the jaw.
4. Close the locking and fit the pin.
5. Fit the locking pin.



**WARNING:** Make sure that the locking pin is fitted correctly.

### 4.7 Periodical maintenance



#### 1. Periodical maintenance view

The periodical maintenance view shows when you must perform the tractor service.

**NOTE:** When the periodical maintenance view is shown on the display, the service work has to be carried out before the view is cleared.

**NOTE:** Clean the tractor before maintenance.

#### 4.7.1 Periodical maintenance chart

You must follow the service intervals in the periodical maintenance chart.

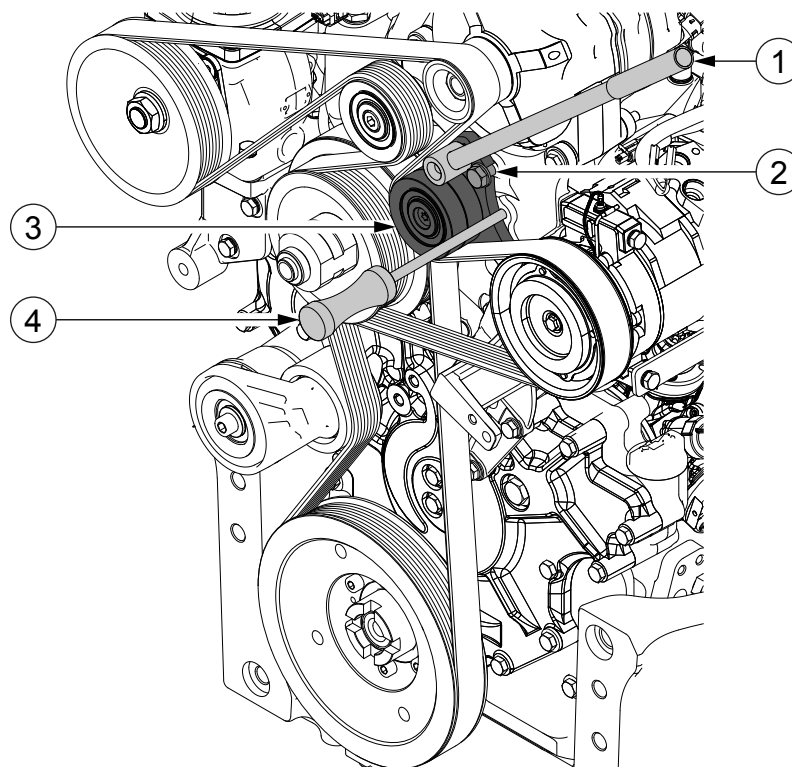
**IMPORTANT:** When carrying out service you must follow the service intervals, that is, you must also perform all previously required actions mentioned in the periodical maintenance chart. For example, when doing 2400 hours service you must also do the service required at 1200 hours, 600 hours, weekly and daily.

**IMPORTANT:** When using Biodiesel fuel there might be exceptions in the periodical maintenance.

**NOTE:** The service intervals shown apply for normal operating conditions but in more severe conditions servicing should be carried out more frequently.

- The column 10 h shows the tasks that must be carried out daily or every 10 hours.
- The column 50 h shows the tasks that must be carried out weekly or every 50 hours.
- The column 600 h shows the tasks that must be carried out every 600 hours.
- The column 1200 h shows the tasks that must be carried out yearly or every 1200 hours.
- The column 2400 h shows the tasks that must be carried out every other year or every 2400 hours.

### 1. Loosen the idler fastening bolt.



- 1. Socket wrench
- 2. Idler fastening bolt
- 3. Idler
- 4. Pin punch or screwdriver (diameter 8 mm)

### 2. Fit the pin punch to the hole in the idler support.

Use the socket wrench to turn the idler out of the way.

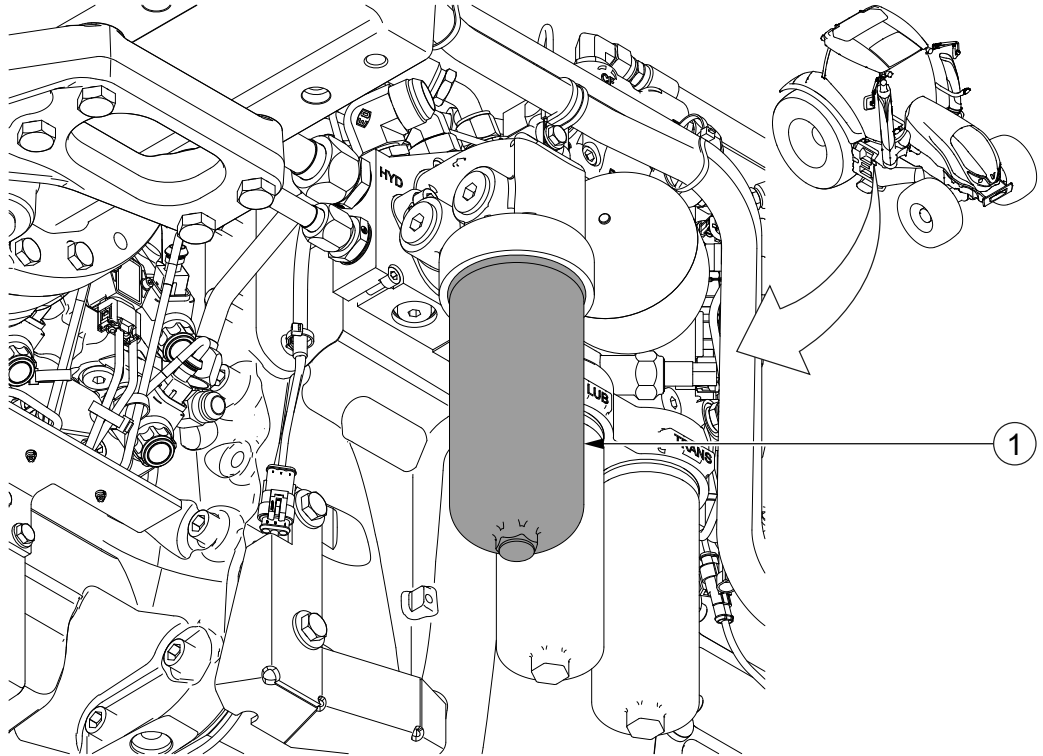
### 3. Remove the idler fastening bolt.

### 4. Remove the pin punch.

Use the socket wrench to hold the idler in place.

### 4.7.4.15 Changing the hydraulic system oil filter

Change the hydraulic system oil filter periodically.



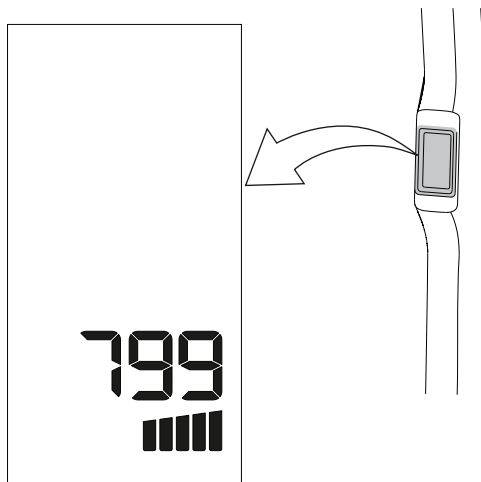
#### 1. Return oil filter of the auxiliary hydraulic system

Oil filters are located on the right side of the tractor under the cab. The return oil filter is labelled with the text HYD on the mounting piece on top of it.



1. Fit a suitable container under the filter.
2. Clean the filter housing and the surrounding area.
3. Remove the filter housing and the filter element.
4. Wash the filter housing in clean diesel fuel.
5. Lubricate the seal of the new filter element.
6. Fit the new element into place.
7. Refit the filter housing.

Screw in the housing fully by hand and then unscrew by one quarter-turn.

4. Press the up arrow or the down arrow to select the parameter to be changed.  
The parameter number for the tyre parameter is 1.
5. Press **SET**.



The second half of the bottom bar is lit to indicate that the parameter value is displayed.

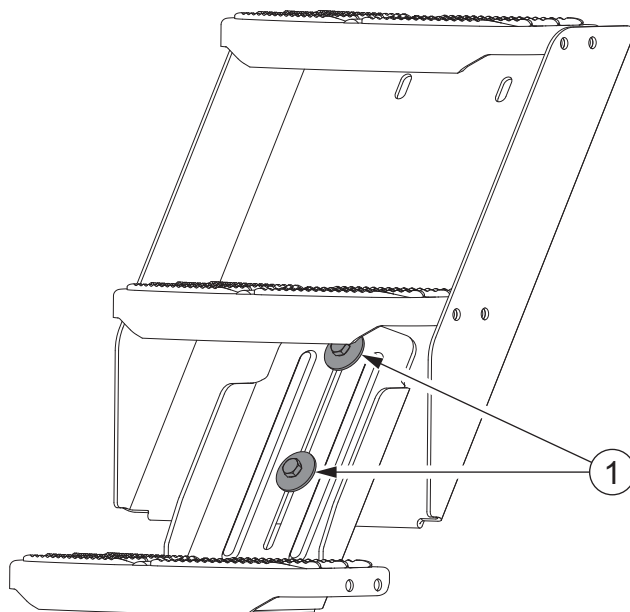
6. Press the up arrow or the down arrow to change the parameter value.
7. Press  to save the value.
8. Press  to leave the settings menu and save all changes.

#### 4.8.1.2 Tyre parameters

Tyre	Parameter value
18.4R38 MICHELIN AGRIBIB	837
18.4-38/14 NOKIAN TR FOREST	820
20.8R38 MICHELIN AGRIBIB	871
20.8-38/14 NOKIAN TR FOREST	859
460/85R38 MITAS AC85	840
460/85R38 TRELLEBORG TM600	837
520/70R38 MITAS HC70	833
520/70R38 MICHELIN OMNIBIB	832
520/70R38 TRELLEBORG TM700	820
520/85R38 MITAS AC85	878
520/85R38 TRELLEBORG TM600	877
540/65R38 MITAS AC65	799
540/65R38 MICHELIN MULTIBIB	790
540/65R38 TRELLEBORG TM800	797
540/80R38 NOKIAN TRI2	880
580/70R38 MITAS HC70	875
580/70R38 MICHELIN OMNIBIB	866
580/70R38 TRELLEBORG TM700	856
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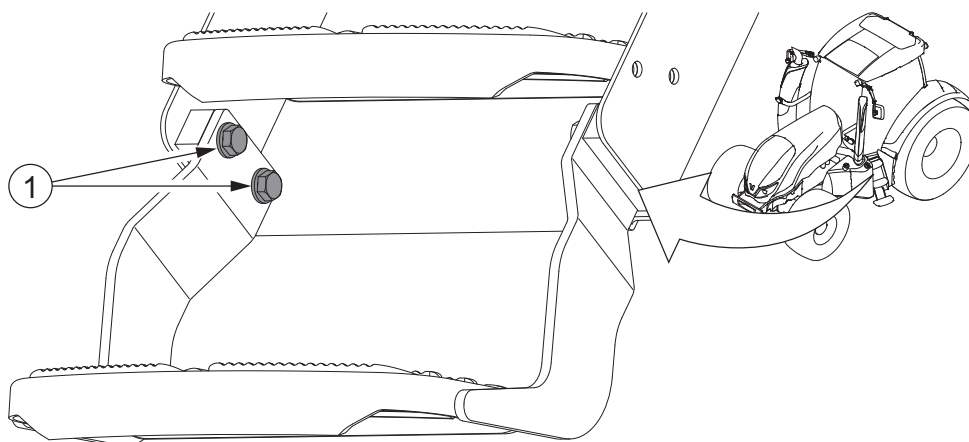
## 4. Maintenance

3. On the left side, loosen the two screws holding the lowest step in the lowest position.



1. Screw

**NOTE:** With forest equipment (optional equipment) the lowest step is attached with screws. Unscrew the screws and remove the lowest step.



1. Screw