Symbols in figures

To visualize parts and actions steps, the following icons are used:

Icon	Explanation
	Reference sign for part
	Position of a part (e.g. move from pos. I to pos. II)
	Dimensions (e.g. B = width, H = height, L = length)
	Action step: Tighten screws with torque key with specified tightening torque
	Direction of motion
	Direction of travel
	opened
	closed
	enlargement of display detail
	Framings, dimension line, dimension line limitation, reference line for visible parts or visible mounting material
	Framings, dimension line, dimension line limitation, reference line for covered parts or covered mounting material
	Laying routes
	Left-hand machine side
	Right-hand machine side

3.4.14 Traffic safety

Dangers for road travel

If the machine exceeds the maximum dimensions and weights specified by national law and is not correctly lit when travelling on public roads, other road users may be endangered.

- Before driving on roads, ensure that the maximum permitted dimensions, weights and axle, drawbar and trailer loads are not exceeded which apply to driving on public roads according to national law.
- Before driving on roads, switch on the lighting and ensure that it functions properly.
- Before driving on roads, close all stop cocks for the hydraulic supply to the machine between the tractor and the machine.
- Before driving on roads, move the tractor control units into the neutral position and lock.

Dangers when driving on roads and in fields

The self-propelled harvester has special handling characteristics which also depend on the operational state and on the ground. If the driver does not consider changed handling characteristics, he may cause accidents.

- Observe procedures for driving on roads and in fields, see chapter Driving and transportation.

Dangers if machine is not prepared properly for road travel

If the machine is not prepared properly for road travel, serious accidents may occur with traffic.

- Before driving on roads, prepare the machine for road travel, refer to chapter Driving and Transport, “Preparations for Road Travel”.

Dangers when operating the machine on slopes

The machine may tilt when it is used on slopes. As a result, accidents may occur and people may be seriously injured or killed.

- Do not work and drive on a slope unless the ground of the slope is flat and the adhesion of the tyres to the ground is ensured.
- Turn the machine at low speed. Turn in a large arc.
- Avoid driving across a slope because the centre of gravity of the machine will be changed by loading weight and by executing machine functions.
- Avoid jerky steering movements on a slope.
- When driving up and down a slope, always align the header uphill and keep it as close as possible to the ground.
- Do not move the machine from working position to transport position or from transport position to working position as long as the machine is being used across a slope.
- Do not park the machine on slopes.
- Observe procedures for operating the machine on slopes, see chapter Operation "Field mode on the slope".

Dangers when cornering with pulled trailer

When cornering, the trailer swivels out stronger than the self-propelled machine.
This may result in accidents.

- Consider the larger swivel range.
- Note persons, oncoming traffic and obstacles when performing a turn.

3.4.15 Parking the machine safely

An incorrectly parked and insufficiently safeguarded machine may be hazardous to people, especially children, and may start moving or overturn in an uncontrolled manner. People may be crushed and killed.

- Park the machine on firm, horizontal and level ground.

Tyre pressure for model with 2 axles

Reference values for tyre pressure:

Tyre type	[km/h]	EasyFlow or solo machine	XDisc *	EasyCollect / XCollect				Max. permitted tyre pressure	Axle
				6000/ 600-2/ 603/ 600-3	7500/ 753/ 750-2/ 750-3	903/ 900-3	9000 */ 1053 *		
		[bar]	[bar]	[bar]	[bar]	[bar]	[bar]	[bar]	
710/75 R42	40	1.2	1.2	2.0	2.0	2.0	1.2	2.4	Front axle
	10	1.0	1.0	1.1	1.1	1.2	1.2		
800/65 R32	40	1.6	1.6	2.6	2.6	2.6	1.6	3.2	
	10	1.0	1.3	1.4	1.4	1.4	1.6		
800/70 R38	40	1.0	1.0	1.4	1.4	1.4	1.0	2.4	
	10	1.0	1.0	1.0	1.0	1.0	1.0		
900/60 R32	40	1.3	1.3	2.0	2.0	2.0	1.3	2.4	
	10	1.0	1.1	1.2	1.2	1.2	1.4		
900/60 R38	40	1.0	1.0	1.5	1.5	1.5	1.0	1.6	
	10	1.0	1.0	1.0	1.0	1.0	1.1		
600/70 R28 (Mitas)	40	1.8	1.8	2.4	2.6	2.8	1.8	2.8	Rear axle
	10	1.0	1.0	1.4	1.4	1.8	1.8		
600/70 R28 (Michelin)	40	1.8	1.8	2.4	/	/	/	2.4	
	10	1.2	1.2	1.6	1.6	1.8	1.8		
620/70 R30	40	1.4	1.4	1.7	1.8	2.0	1.4	2.4	
	10	1.0	1.0	1.3	1.4	1.4	1.4		
710/60 R30	40	1.4	1.4	1.8	2.0	2.4	1.4	2.4	
	10	1.0	1.0	1.2	1.2	1.4	1.4		

* Road travel without EasyCollect 9000/ 1053/ XDisc

8 Info centre "EasyTouch"

8.1 Overview

Fig. 110

Item	Designation
1	Display
2	Keys 1 to 8
3	Incremental encoder
4	Menu button
5	Keys A to D

8.2.5.5 Customer Data Counter

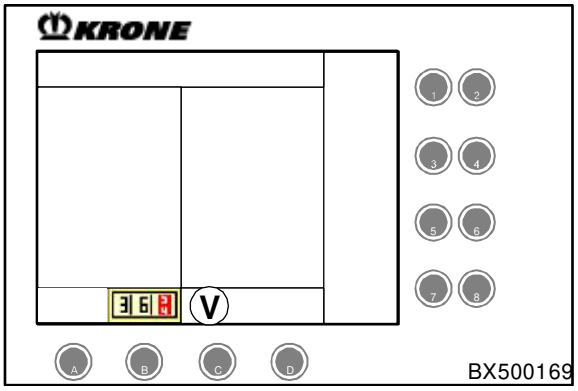

Fig. 152

- Press the B key below to call up the customer counter.

is displayed green if a customer counter is active.

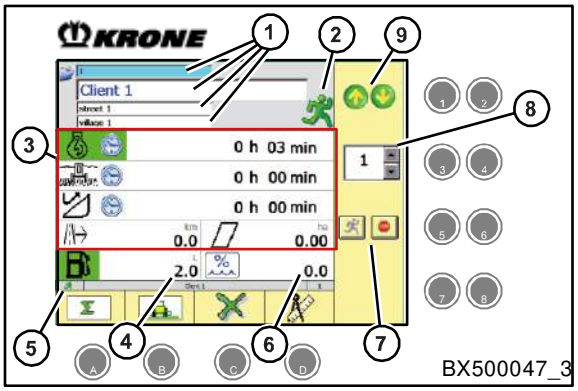

Fig. 153

8.6.1 Unfulfilled switching-on conditions and CAN bus disturbances

Depending on the selected diagnostics menu, non-fulfilled switching-on conditions and errors are displayed in the terminal. There is a difference between:

– non-fulfilled switching-on conditions (yellow)
– CANBUS errors (red)

Overview of non-fulfilled switching-on conditions

Symbol	Description	Symbol	Description
	Diesel engine speed is not at 1950 rpm		Lifting unit is too low / is not low enough
	Diesel engine has not been started		Spout not parked
	Diesel engine not off		Spout not up
	Idle speed of diesel engine 1100 rpm is not reached		Intake OFF / not OFF
	Vehicle speed incorrect		Intake ON / not ON
	Switch the “autopilot” release switch on or off		Cutting drum running / not running
	Switch the “intake/header” release switch on or off		Cutting drum stopped / not stopped
	Switch the “traction drive” release switch on or off		Pendulum frame is not horizontal
	Switch the “road/field” release switch on or off		Grinding flap closed
	Switch the “parking brake” release switch on or off		Grinding flap open
	Seat switch (no one on the driver’s seat)		Header not folded out
	“Quick stop console” switch on or off		Header not folded in
	“Quick stop manual operation” switch on or off		Header off/not off
	Open or close door		Header on/not on
	Switch the “maintenance” release switch on or off		Grass mode is not set
	Main coupling on/off		Maize mode is not set
	Lifting unit too high/not high enough		XDisc mode is not set

Table 2

Screen description display 1 "Sensor test"

BMK	Screen display/icons/description
	D900 CAN release autopilot . . .
D900	Status display as to whether all switching-on conditions for the automatic steering are fulfilled. 1: Fulfilled 2: Not fulfilled
	D901 Manu. steering active . . .
D901	Status display as to whether the steering wheel is steered. 1: Steering motion detected 2: No steering motion detected
	D902 Autopi. steer. active . . .
D902	Status display of automatic steering. 1: Active 2: Not ready 3: Ready for activation
	B63 Steering press. sens. . . . V
B63	Steering pressure Current sensor value in V.
	B64 Steer. angle transm. . . .
B64	Inclination registration, steering axle Current sensor value in digits.
	B65 Row detection left . . .
B65	Inclination registration left Current sensor value in digits.
	B61 Row detection right . . .
B61	Row registration right Current sensor value in digits.
	Y39 Current valve steering left . . . mA
Y39	Steering to the left Current amperage in mA.

Table 40

8.13 Printing customer data

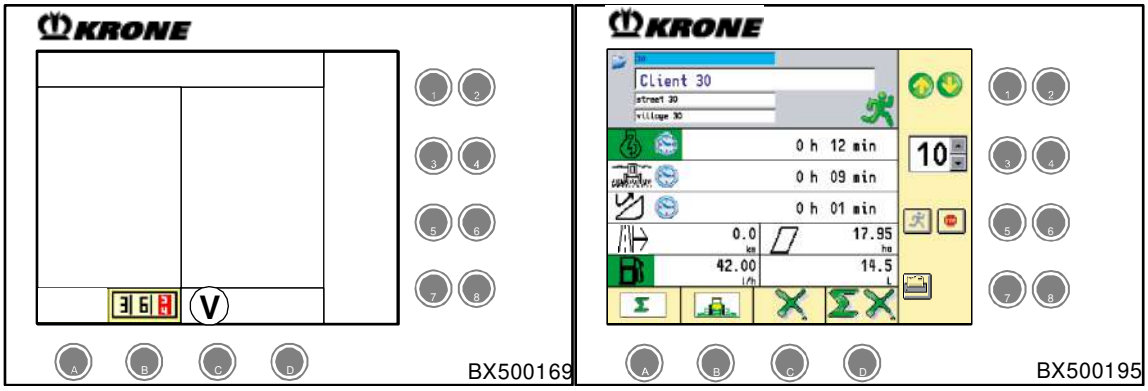

Fig. 326

Establishing a connection to the printer:

- Connect the printer via the diagnostics socket in the console in the cabin.
- Insert the paper as explained in the printer's operating instructions.

The printer is ready for operation.

The information items listed below can be printed with the aid of the printer:

Icon	Designation
	Customer record
	Operating hour counter (h)
	Drum hours counter (h)
	Working hours counter (h)
	Surface counter (ha)
	Kilometre counter (km)
	Fuel consumption (l)

8.13.1 Selecting the customer record

- Press the B key under  to switch to the Customer data counter menu.

The display shows the  icon. If there is no printer available, or no printer ready for operation, the icon does not appear.

- Press the 1 or 2 key to select the required customer record.
- Press the 7 key to call up the customer data print menu.

15.4 Removing EasyFlow

⚠ WARNING

Risk of injury from movement of the front attachment!

If people are in the area of the front attachment when it is being raised or lowered and folded in or out, there is a risk that these people may be caught and injured by the front attachment or the lifting unit.

- When the front attachment is moving, ensure that there is nobody in the area of the front attachment or the lifting unit.

▶ ***NOTE***

Separate operating instructions for the respective front attachment are supplied, in which all relevant work steps and safety regulations are described in detail.

- Shut down and safeguard the machine, see chapter Safety -> Safety routines, "Shutting down and safeguarding the machine".

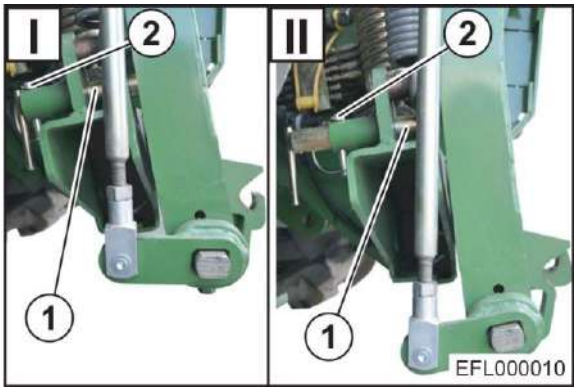

Fig. 448

- Lock the pendulum frame by moving the locking pin (1) from position "II" to position "I".

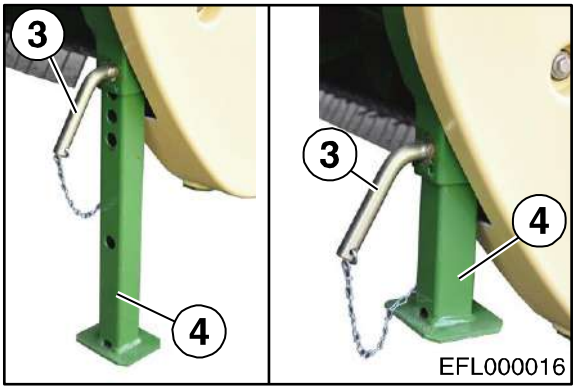

Fig. 449

- Unfold the supporting wheels and lower the Pick-up to the ground.
- Swivel socket pin (3) of the parking supports (4) by 180° upward on both sides and pull them out.
- Pull out the parking supports (4) and lock them with socket pins (3) in the fifth hole from below by a rotation of 180°.

▶ ***NOTE***

Always insert parking supports into the fifth hole from below.

22 Maintenance – Engine

▶

NOTE

Work on the engine not listed in this chapter may be performed only by a qualified service centre which has access to the Workshop Information System (WIS).

A qualified service centre has the required technical knowledge, qualifications and tools to perform the required work on the engine in a proper manner. This applies in particular to safety-relevant work.

Always have the following work performed by a qualified service centre:

– Safety-relevant work
– Service and maintenance work
– Repair work
– Modifications as well as installations and conversions
– Working on electronic components

⚠ WARNING

If the basic safety instructions are not followed, people may be seriously injured or killed.

- To avoid accidents, the basic safety instructions in the chapter Safety must have been read and followed, see chapter Safety "Basic safety instructions".

Fig. 626

- Close two-way stopcock (1) and three-way stopcock (2), see information label.

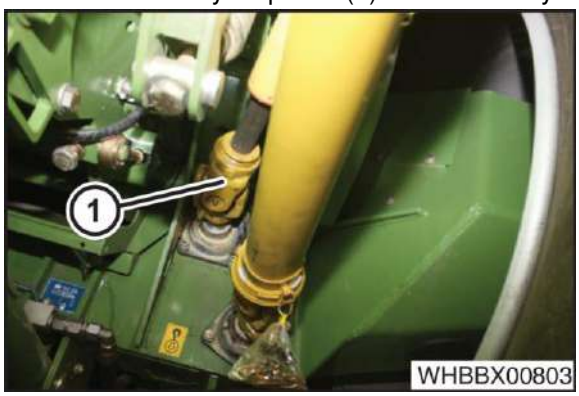

Fig. 627

- Connect universal shaft for the drive of the intake (1).

Fig. 628

- Move three-way stopcock (2) to the required position, see information label.
- Open two-way stopcock (1), see information label.

Diagnostics machine chops

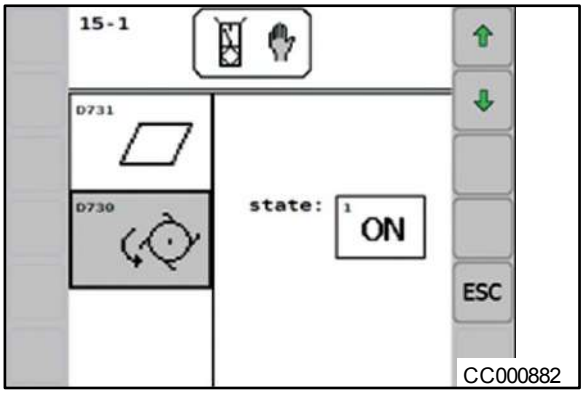

Fig. 38

Description of display:

It indicates whether the machine is currently chopping or not.

The state must be **ON**, if:

- The machine moves forward.
- The lifting unit is in the working position.
- The cutting drum is turned on.
- Intake and header turn forward.

No.	Sensor symbol	Description
D730		The machine chops (status **ON** is displayed if the machine chops and moves forward, otherwise **OFF** is displayed).

State:

ON The machine chops actively.

OFF The machine chops inactively.

- Press function key **ESC** to close the menu currently displayed.

The display shows the previously called main menu.

- Pressing function key **ESC** longer brings up the basic screen.

Error descriptions BiG X 600-1100+750C

Error No.	Description	Meaning	Possible Reason	Recommend Check	Remedial measure
136 	136 Overvoltage 12V - manual operation	Error: 12 V supply voltage too high	The controller of the dynamo is defective	While engine is running, measure on batteries. Voltage must not be over 14.8V	Replace the dynamo
			Dynamo defective	Test dynamo	Replace the dynamo
			Battery change-over relay defective (500, 800, and 1000)	Test function of the relays according to circuit diagram	Replace battery change-over relay
			Internal error, manual operation	See Remedial action	Replace manual operation
137 	137 Internal voltage 5V too low - manual operation	Error: 5 V voltage too low	Determine via the terminal	Perform diagnostics for manual operation	
			Battery dead	Check battery acid Check battery voltage	Charge battery Change battery
			Charge indicator lamp defective	Check charge indicator lamp Check the cables.	If required, replace charge indicator lamp and/or renew cabling
			Dynamo defective	Test dynamo	Replace the dynamo
			Internal error, manual operation	See Remedial action	Replace manual operation

Error descriptions BiG X 600-1100+750C

Error No.	Description	Meaning	Possible Reason	Recommend Check	Remedial measure
			Short circuit in seat switch	In the diagnostics in the terminal check whether the seat switch detects that there is no driver on the seat.	- Check wiring - Replace seat switch - Check DRC input = replace DRC
580 	Discharge chute in park position	For starting the desired function the current position of the discharge chute is faulty.	The discharge chute is parked, but must not be in parking position	Check if the discharge chute is in parking position.	Lift the discharge chute all the way up so that it is no longer parking position.
				Check if discharge chute is in parking position.	Move discharge chute to central position and put it all the way down
				Check sensor B29 \\\"Discharge chute position below\\\"	Check sensor B29 in the mask \\\"Diagnostics discharge chute\\\"
					Set the sensor mechanically correct
					Check the sensor electrically
					Exchange sensor
					Exchange control unit KMC2

Error descriptions BiG X 600-1100+750C

Error No.	Description	Meaning	Possible Reason	Recommend Check	Remedial measure
3208	3208 disturbance voltage V3 - KMC3	Logical control status of the release switch traction drive, street/field, maintenance or quick stop console or manual operation does not concur with the actual switch position.	For causes, tests and remedies see error 3206		
3209	3209 disturbance voltage V4 - KMC3	Logical control status of the release switch traction drive, street/field, maintenance or quick stop console or manual operation does not concur with the actual switch position.	For causes, tests and remedies see error 3206		
3210	3210 Lifting gear pressure low during counterblade adjustment				
3211	3211 Lifting gear pressure too high during counterblade adjustment				