

Instruction manual

ICC900S-2EN4.pdf
Operation and maintenance

Vibratory roller
CC900S

Engine
Perkins 403C-11/403D-11

Serial number
***89531939* -**
10000302x0A000001 -



Translation of original instructions

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maintenance normally carried out by the operator.

The machine illustrated in this manual can be equipped with optional equipment.



Additional instructions for the engine can be found in the manufacturer's engine manual.


CE marking and Declaration of conformity

(Applies to machines marketed in EU/EEC)

This machine is CE marked. This shows that on delivery it complies with the basic health and safety directives applicable for the machine in accordance with machinery directive 2006/42/EC and that it also complies with other directives applicable for this machine.

A "Declaration of conformity" is supplied with this machine, which specifies the applicable directives and supplements, as well as the harmonized standards and other regulations that are applied.

Jump starting

 **Do not connect the negative cable to the negative terminal on the dead battery. A spark can ignite the oxy-hydrogen gas formed around the battery.**

 **Check that the battery used for jump starting has the same voltage as the dead battery.**

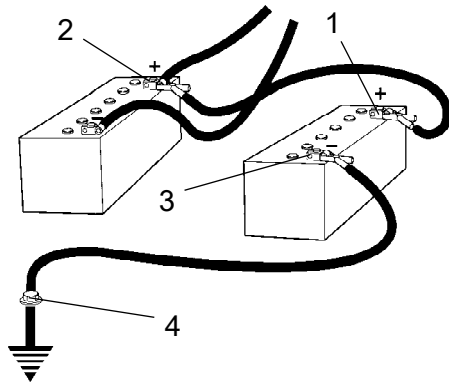


Fig. Jump starting

Turn the ignition and all power consuming equipment off. Switch off the engine on the machine which is providing jump start power.

First connect the jump start battery's positive terminal (1) to the flat battery's positive terminal (2). Then connect the jump start battery's negative terminal (3) to, for example, a bolt (4) or the lifting eye on the machine with the flat battery.

Start the engine on the power providing machine. Let it run for a while. Now try to start the other machine. Disconnect the cables in the reverse order.

Machine description

Identification

Product identification number on the frame

The machine PIN (Product Identification Number) (1) is punched on the right edge of the front frame.

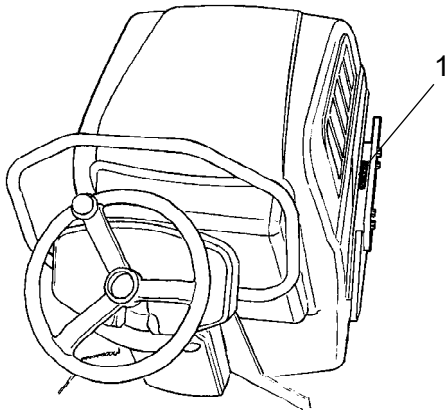


Fig. PIN right side

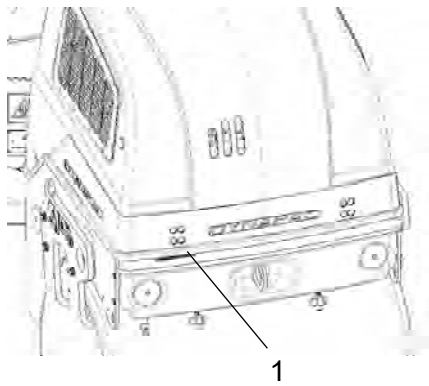


Fig. PIN front right

No	Designation	Symbol	Function
14.	Road lights, switch (Optional)		Where the upper position is depressed, the road lights are on. Where the lower position is, depressed the parking lights are on.
15.	Working lights switch (Optional)		When depressed, the working lights are on
16.	Hazard warning lights, switch (Optional)		Where depressed, the hazard warning lights are on
17.	Hazard beacon, switch		Where depressed, the hazard beacon is on
18.	Direction indicators, switch (Optional)		When depressed to the left, the left direction indicators are on etc. In the middle position the function is shut off.
19.	Horn, switch		Press to sound the horn.
20.	Vibration MAN/AUTO switch		In the upper position, the vibration is switched on/off with the switch on the forward/reverse lever. The function is activated with the switch.
			In the middle position, the vibration system is switched off.
		AVC	In the lower position, vibration is automatically switched on or off via the forward/reverse lever.
21.	Vibration selector front/rear drum, switch (Optional)		In the depressed forward position, vibration is activated on the front drum. In the middle position, vibration is activated on both drums. In the depressed rear position, vibration is activated on the rear drum.
22.	Control panel		
23.	Warning lamp, low fuel level		The lamp comes on when the fuel level in the tank is low.
24.	Warning lamp, oil pressure		This lamp lights if the lubricating pressure in the engine is too low. Stop the engine immediately and locate the fault.
25.	Warning lamp, parking brake		The lamp lights when the parking brake is activated.
26.	Fuel level		Shows the fuel level in the diesel tank.
27.	Warning lamp, water temperature		The light comes on if the water temperature is too high.
28.	Warning lamp, battery charging		If the lamp lights while the engine is running the alternator is not charging. Stop the engine and locate the fault.
29.	Warning lamp, glow plug		The lamp must go out before the starter switch is moved to position 3c for activation of the starter motor.
30.	Hourmeter		Shows the number of hours the engine has run.
31.	Parking brake On/Off, switch		Push in to activate the parking brake, the machine stops with the engine running. Always use the parking brake when the machine is stationary on a sloping surface.

Interlock/Emergency stop/Parking brake - Check



The interlock, emergency stop and parking brake must be checked daily before operating. A function check of the interlock and emergency stop requires a restart.



The interlock function is checked by the operator standing up from the seat when the roller is moving very slowly forwards/backwards. (Check in both directions). Hold the steering wheel firmly and brace yourself for a sudden stop. A buzzer goes on and after 4 seconds the engine switches off and the brakes are activated.



Check the function of the emergency stop by pressing the emergency stop button when the roller is moving slowly forwards/backwards. (Check in both directions). Hold the steering wheel firmly and brace yourself for a sudden stop. The engine switches off and the brakes are activated.



Check the function of the parking brake by activating the parking brake when the roller is moving very slowly forwards/backwards. (Check in both directions). Hold the steering wheel and brace yourself for a sudden stop when the brakes are activated. The engine does not switch off.

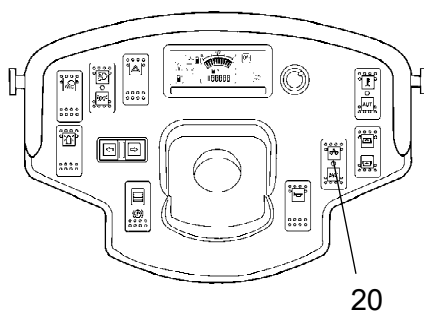
Vibration

Manual/Automatic vibration

Manual or automatic vibration activation/deactivation is selected using switch (20).

In the manual position, the operator must activate the vibration using the switch(4) on underside of the forward/reverse lever grip.

In the automatic position, vibration is activated when the pre-set speed is reached. Vibration is automatically deactivated when the lowest pre-set speed is reached.



**Fig. Instrument panel
20. Switch Man/Aut.**

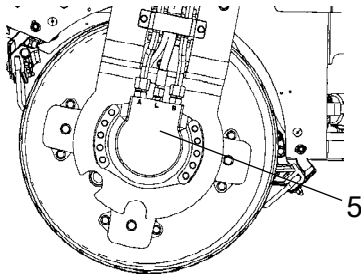


Fig. Rear drum, right side.
5. Hydraulic motor

Rear drum: Releasing the brake

Loosen the bolts (6) on the hydraulic motor as illustrated below, by screwing each bolt 1/2 turn at a time counter-clockwise. Repeat the sequence until all the bolts feel loose.

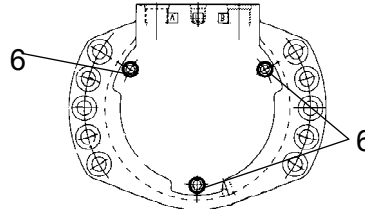


Fig. Hydraulic motor
6. Bolt

Restored brake

To reset the brakes, tighten the bolts 1/2 turn/bolt in the correct order, until all the bolts have been tightened.

Towing the roller



A towing bar must be used when towing, as the roller has no brakes and can only be slowed and stopped by the vehicle towing the roller.

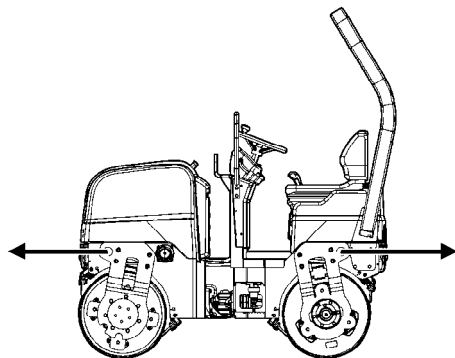


Fig. Towing the roller



The roller must be towed slowly, max. 3 km/h (2 mph) and for short distances only, max. 300 m (1000 ft).

When towing/recovering a machine, the towing device must be connected to both lifting holes. Pulling forces shall act longitudinally on the machine as illustrated. Max total towing force 50.8 kN (11,430 lbf), 25.4 kN (5,715 lbf) per fork.



Reset the steps taken for towing as described in the towing instructions on the previous page.

Maintenance - Maintenance schedule

Service and maintenance points

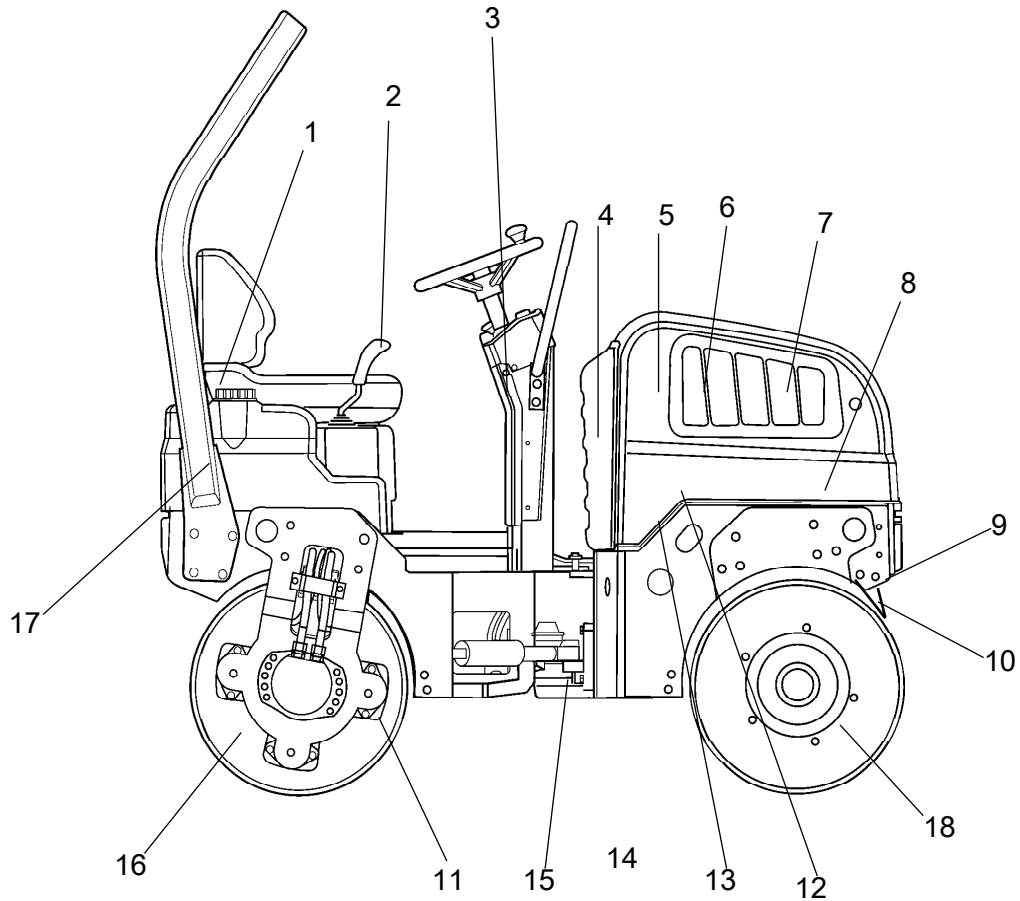


Fig. Service and maintenance points

- | | | |
|-------------------------------------|-------------------------------|----------------------------------|
| 1. Water tank, filling | 7. Air cleaner | 13. Hydraulic fluid, filling |
| 2. Forward/Reverse lever | 8. Battery (maintenance free) | 14. Fuel tank, fill on left side |
| 3. Emergency brake | 9. Sprinkler | 15. Steering joint |
| 4. Hydraulic fluid cooler/ radiator | 10. Scrapers | 16. Rear drum, filling with oil |
| 5. Alternator belt | 11. Rubber element | 17. ROPS |
| 6. Engine | 12. Hydraulic fluid filter | 18. Front drum, filling with oil |

Maintenance - 50h



Park the roller on a level surface. The engine must be switched off and the parking brake activated when checking or adjusting the roller, unless otherwise specified.



Ensure that there is good ventilation (air extraction) if the engine is run indoors. Risk of carbon monoxide poisoning.



Ensure that the engine cover is fully open when work is being carried out under it



After the first 50 hours of operation, the oil filters should be changed.



Brakes - Check



Check operation of the brakes as follows:

Run the roller very slowly forward. Hold the steering wheel firmly and brace yourself for a sudden stop.

Press in the emergency stop button (3). The roller will stop abruptly and the engine will switch off.

After testing the brakes, set the forward/reverse lever in neutral.

Pull out the emergency stop button (3). Start the engine.

The roller is now ready for operation.

Refer also to the section in the manual on operation.

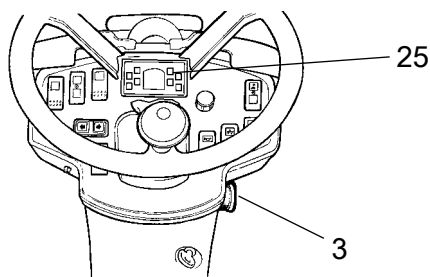


Figure. Instrument panel
3. Emergency stop
25. Parking brake lamp

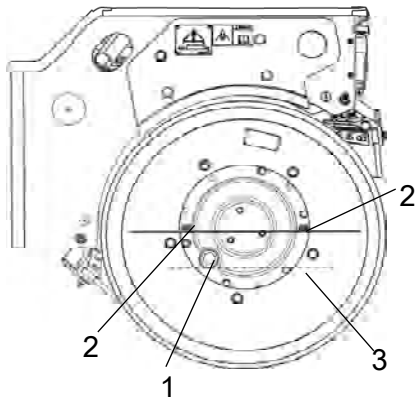


Fig. Front drum drive side
1. Oil plug in position for checking oil level and topping up oil in the front drum.
2. Horizontal position for markings on drum.
3. Max. oil level in the drum.

Front drum:

Place the roller on a level surface, then operate the roller slowly until the markings (2-2) are horizontal in relation to each other and the location of the oil plug (1) as illustrated.



Switch off the engine, disconnect the power and switch on the emergency brake button.

Unscrew the plug and check that the oil level reaches the lower edge of the hole. If required, top up with fresh transmission oil, up to the lower edge of the hole. Check under the heading Lubricants to ascertain the correct oil grade.



It is important that the oil level in the drum does not exceed the oil level in the instructions, see picture.

Clean the magnetic oil plug (1) of any metal residue, and reinstall the plug.

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