# *OPERATING AND FITTING INSTRUCTIONS*

## *Container load cell.*

### *Load cell function:*

***The load cell activates an alarm if the container load reaches 300 kg. (max. allowable load). The pulsating alarm is also audible from the cabin (if fitted) even when the engine is running.***

***When the alarm sounds, the container must be emptied.***

***The load cell works in conjunction with the water pump/filter system. If the electrical supply is removed, the filter system and the load cell will cease to function. For this reason, the electrical supply must never be removed whilst sweeping.***

***90301361-01 UK***

# Fitting Instructions.

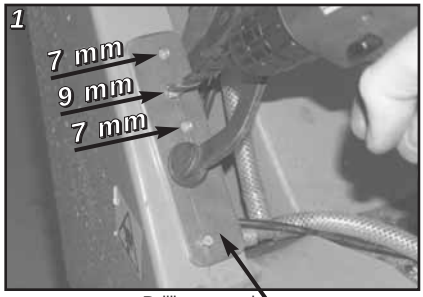
### *Fitting the load cell:*

1. Mount the container on the machine.
2. Connect the two small hydraulic hoses to the C-connectors on the LHS of the rear chassis.
3. Start the engine.
4. Tip the container to max. (as with emptying).
5. Turn the engine off.
6. Remove the nylon block which holds the water tank. (RHS of container frame).
7. Screw the drilling template in place in the vacant hole: position the template parallel to the inside edge of the container frame. (Picture 1)
8. Drill through the three holes in the template; one 9 mm. hole in the centre, and two 7 mm. holes each side of centre. (Picture 1)
9. Remove the template and reinstall the nylon block.
10. Fitting the load cell: (Pictures 2,3 & 4)

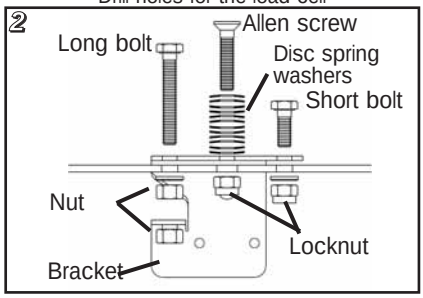
    a. Pass the long bolt through the load cell bracket and into the upper pre-drilled hole. Without tightening, fasten in place with a washer and nut.
    Pass the bolt through the bracket lower eyelet, and fasten with the second nut.

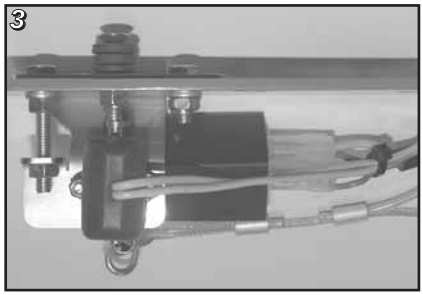
    b. Pass the short bolt through the bracket and into the lower pre-drilled hole. Fasten with washer and locknut.

    c. Pass the Allen screw through the spring washers and into the pre-drilled centre hole. Fasten with a washer and locknut on the under-side, such that the Allen screw is not loose, but not tightened.

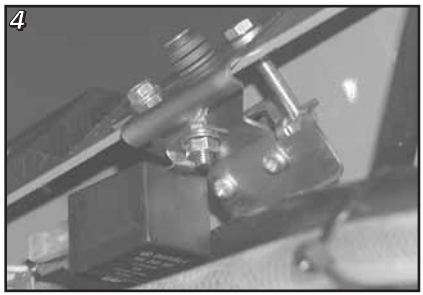



Drilling template
Drill holes for the load cell



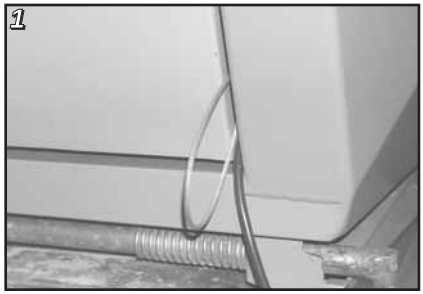

Load cell




Load cell fitted

# Fitting Instructions.

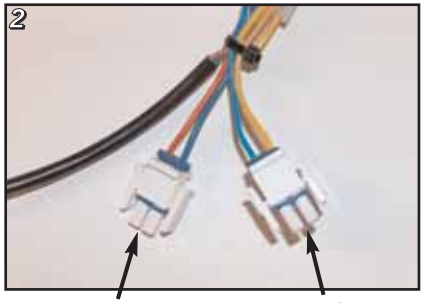
11. Feed the cable and wire back out between the water tank and container frame. Leave enough slack so that it can be pulled out. (Picture 1)




Feed cable and wire out the back

### *Connecting the water pump:*

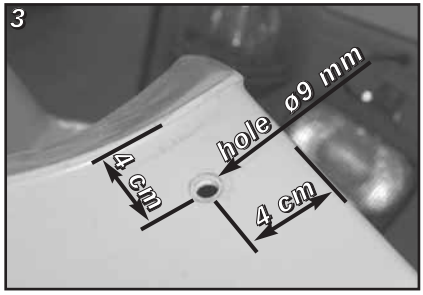
1. Shorten the water pump cable so that it is long enough to connect to the load cell multi-connector with the blue and red wires.
2. Strip the wires.
3. Clamp the supplied cable connectors to the wire ends.
4. Pass them through the blue packing and plug them, the right way round, into the supplied multi-connector.
5. Connect the water pump multi-connector to the blue and red wired load cell multi-connector. (Picture 2)



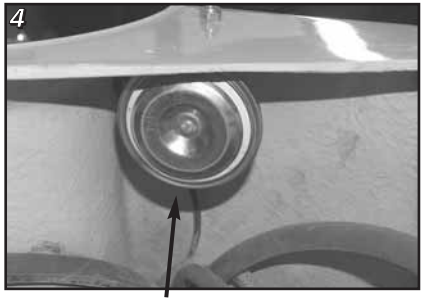

To water pump To speaker

### *Fitting the speaker:*

1. Remove the top grating from the container.
2. Drill a 9 mm hole in the top of the container (see picture 3 for dimensions).
3. In the container there is a tube in which hydraulic hoses for the suction mechanism run. Feed the long cable (connector end), up through this tube.
4. Connect the cable to the speaker.
5. Fasten the speaker to the inside of the container, using the supplied nut and bolt and predrilled hole. (Picture 4)
6. Couple the long cable and load cell (blue and yellow wires) multi-connectors together. (Picture 2)
7. Fasten the speaker wires to the hydraulic hoses using cable ties.




Drill a hole for the speaker




Fitted speaker

# Fitting Instructions.

### *Fitting the 12 v connector:*

1. Remove the 12v connector from the shortened water pump cable.

2. Connect the 12 v connector to the black cable from the load cell: red to + and blue to -. (Picture 1)


Fit the power connector

## *Adjustment*

### *Load cell calibration:*

**The load cell should be calibrated once a month.**

1. Raise the container and loosen the locknut on the calibration screw. Lower the container.

2. Fill the container with sand until there is 10 cm to the edge of the vent. (Pictures 2 & 3)

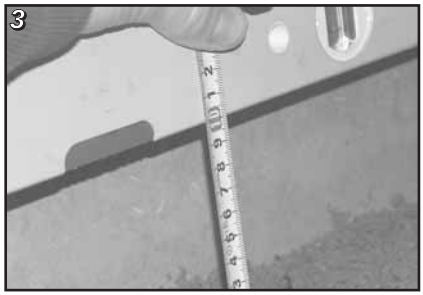
3. Plug the 12 v connector into the power output.

4. Turn the ignition to the first position and switch on the power output.

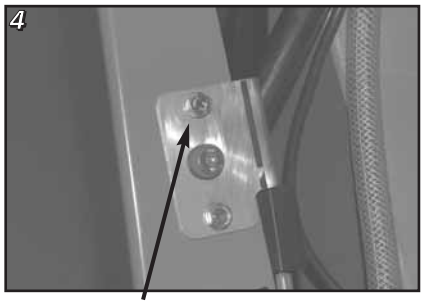
5. Turn the calibration screw until the speaker gives an alarm. (Picture 4)

6. Empty the container. Tighten the locknut on the calibration screw. (only possible when the container is raised).


Measure horizontal in, vertical down




There should be 10 cm down to the sand




Calibration screw

# Instructions for use

## Before starting

Check daily, before sweeping, that the load cell alarm works, as follows:

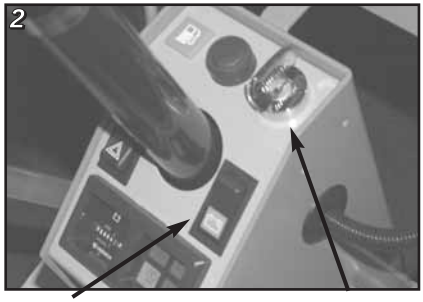
1. Plug the 12 v connector into the power output. (Picture 1)

2. Turn the ignition to first position. (Picture 2)

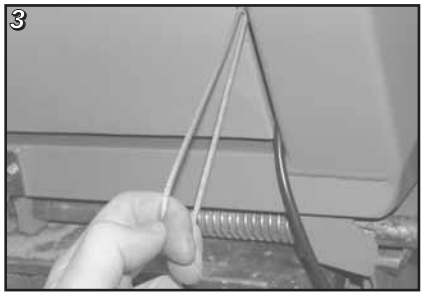
3. Switch on the power output. (Picture 2)

4. Pull on the wire at the rear of the container and the alarm should sound: you can be sure that the alarm is in working order. If there is no alarm, check the load cell. (Picture 3)

Power output



Power output switch Ignition



Pre-start test - pull wire

## Starting

Ensure the power output is always switched on when sweeping, otherwise the load cell and water pump won't work. (The water pump must always be operational whilst sweeping)

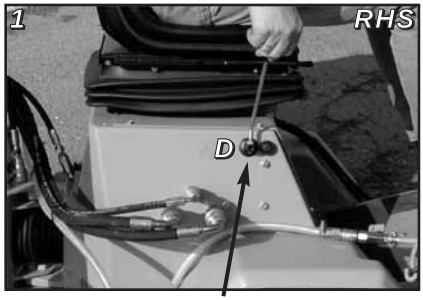
# Instructions for use

## Emptying the container

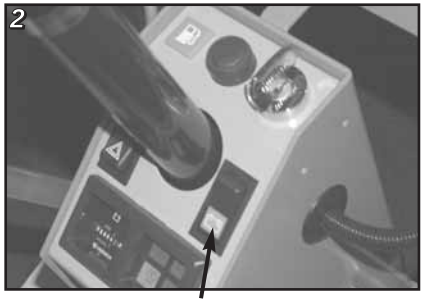
If the alarm sounds, empty the container:

1. Turn off the suction mechanism by moving lever D down to position 0. (Picture 1)
2. Switch the power output off, hereby de-powering the water pump and overload alarm. (Picture 2)
3. Drive to the nearest rubbish tip.
4. Empty the container.
5. After emptying, lower the container by moving lever C down to position 2. (Picture 3)
6. Turn the engine off.
7. Move lever C once up and down to equalise the hydraulic pressure, otherwise the alarm will sound when power output is switched on. (Picture 3)
8. Start the engine.
9. Switch output power on before sweeping continues. (Picture 2)

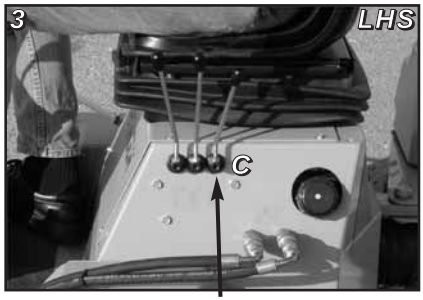
Empty the container every day after use.



Lever D



Switch off power



Lever C

# Notes

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