CHEMICAL RINSE TANK

(Pt.No.2400-1550 Issue 4, October 2015)

DESCRIPTION

The C-Dax Chemical Rinse Tank is an accessory kit for the GoldLine range of three point linkage sprayers.

The system operates by drawing fluid from a fresh water tank mounted on the sprayer, through the filter, pump, and control unit, and up to a rinse nozzle fitted in the top of the tank. The fluid flow through the rinse nozzle at a nominal pressure (30-60 psi) spins the rinse nozzle and sprays the fresh water around all sides inside the tank, rinsing it clean. It consists of a 50L auxiliary water tank, a 3-way filter suction valve and suction hose, tank rinse nozzle, and an auxiliary pressure regulator valve to isolate the system when not required.

WARRANTY

1 **WARRANTY AND LIABILITY**

Use of the equipment

1.1 You must satisfy yourself as to the suitability of the equipment for your intended use(s) of the equipment.

Your relationship with the retailer

1.2 Where you consider you have a warranty claim (or any other claim) in relation to the equipment, you must contact the retailer who sold you the equipment, not C-Dax directly. The retailer is responsible for liaising with C-Dax in respect of your claim.

Warranty

1.3 C-Dax warrants to the original purchaser that the equipment is sold free from defects in materials and workmanship for a period of 12 months from date of first retail sale (6 months from date of first retail sale if the equipment is sold in the U.K.) subject to the terms set out below.

1.4 C-Dax will at its option repair or replace the defective equipment (or part of the equipment) or notify the retailer of the equipment to refund the purchase price for such defective equipment to you in the event of a breach of this warranty, subject to the terms set out below.

Liability

1.5 Except for the warranty set out in clause 1.2 above, all warranties and representations (including those expressed or implied by law) in respect of the equipment or advice relating to the equipment provided to you by C-Dax are excluded to the extent permitted by law.

1.6 Notwithstanding anything else in this manual, C-Dax's maximum liability to you (in the event that such liability exists) in respect of any breach of warranty, any matter set out in this manual, or for defective equipment or advice relating to the equipment provided is limited at C-Dax's option to:

(a) repairing or replacing the equipment (or part of the equipment); or

(b) notifying the retailer of the equipment to refund the price for the equipment paid by you.

1.7 Notwithstanding anything else in this manual, in no event will C-Dax be liable, whether in contract, tort (including negligence) or otherwise:

(a) where you have altered or modified the equipment, misused or misapplied the equipment, or the equipment has been subjected to any unusual, excessive or non-recommended use, service or handling (including as set out in this manual);

(b) where the equipment is not transported, stored, handled or used in accordance with any directions given by C-Dax (or the retailer) to you (including as set out in this manual);

(c) where the equipment:

(i) has been subject to neglect, accident or hireage, or the damage arises from fair wear and tear, battery damage or chemical attack;

(ii) has been built to a customer's specifications; or

(iii) has been dismantled, repaired or serviced other than by an authorised service agent of C-Dax;

(d) for loss or damage caused by any factors beyond C-Dax's control; or

(e) for any loss of profit or revenue, or for any special, indirect, incidental or consequential damage, loss or injury of any kind suffered by you.

1.8 Where C-Dax elects to repair or replace the equipment it will use reasonable endeavours to do so as soon as practicable but will not be liable for any delay in doing so.

1.9 You agree that the transactions entered into between you and the retailer (and C-Dax) are for the purposes of trade and that, having regard to all relevant circumstances of the transactions, it is fair and reasonable that the provisions of the Consumer Guarantees Act 1993 (NZ) do not apply to those transactions to the fullest extent permitted by law.

SPECIFICATIONS

Operating pressure	30-60 psi (2-4 bar nominal)
Rinse Nozzle	Moulded Nylon
Rinse Tank	Moulded Polyethylene
Three Way Suction Valve	Moulded Nylon
CD7 Control Unit Valve	Moulded Nylon
CD10 Control Unit Valve	Brass

MODELS

There are two models of Chemical Rinse Tank available, dependent on the type of pressure control unit fitted to the sprayer.

Control Unit Model	**Chemical Rinse Model**
CD7 (all models)	1052
CD10 (all models)	8427-1815
Electric Control Unit (all models)	8427-1810

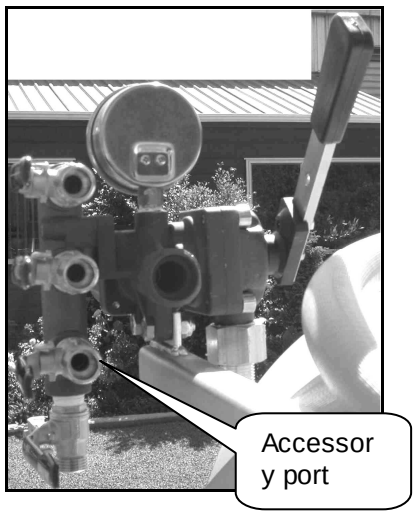
INSTALLATION
(If not already fitted)

Unpack the unit and identify the components for installation, the following components are included in the kit:

- Chemical rinse tank with lid and suction fitting
- Mounting bracket for rinse tank
- Suction hose with fittings
- Three way suction valve
- Control unit valve
- Attachment fasteners
- Threaded rods
- Instruction leaflet

CD10 Control Unit

Fit the new control unit valve to the control unit by removing a spare outlet port bung, and screwing an accessory valve into the port (see picture).



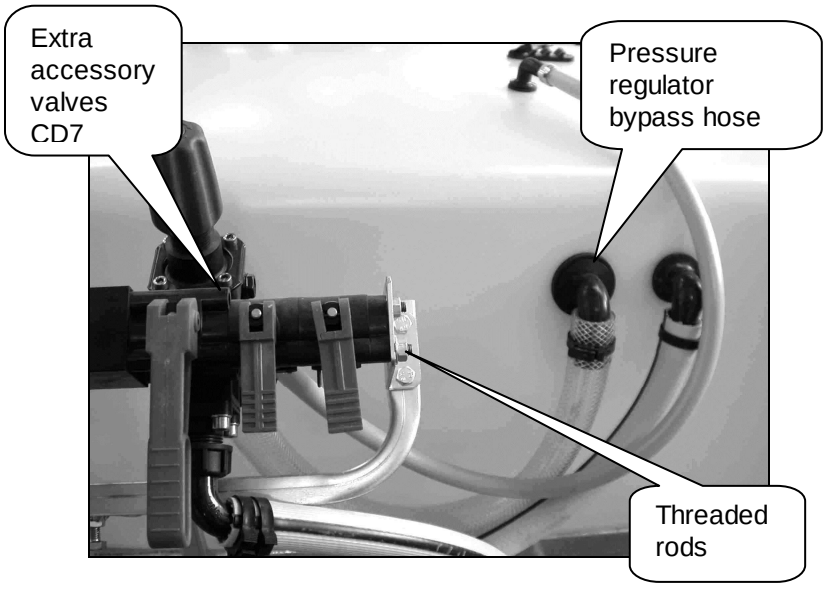
CD10

CD7 Control Unit

Fit the new control unit valve to the control unit by removing the mount bracket on the opposite side of the pressure regulator body from the main boom valves.
Remove the existing threaded rods from the controller, and replace with the 2 threaded rods supplied in the kit.
Fit the new regulator valve onto the threaded rods beside the pressure regulator body and refit the end cap and mount brackets. Tighten the threaded rod nuts to seat joints and O-rings.
Adjust regulator stand width to accommodate the remodelled regulator, and re fit mount bracket to stand.

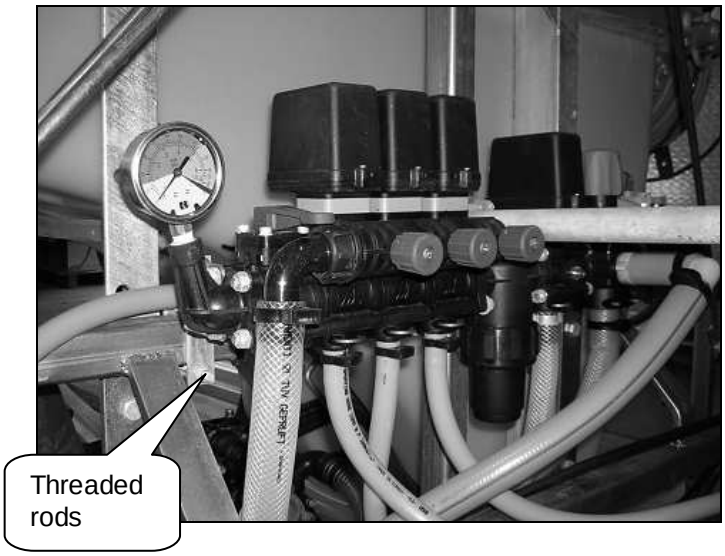
NOTE
If fitting only one accessory valve, the new threaded rods will need to be shortened, Reassemble the unit loosely and cut the rods to the required length before final assembly.
If the control unit has one accessory tap fitted and a second is being added, the rods should only require cutting in half, without further shortening.

Refit the pressure regulator body and then the new accessory valve onto the threaded rods, then refit the end cap and mount bracket. Fit the threaded rod nuts and tighten to seat joints and O-rings.
Adjust the width of the regulator stand to accommodate the remodelled regulator, and refit mount bracket to stand.



CD7

Electric Control Unit
Fit the new control unit valve to the control unit by first removing the mounting bracket near the pressure gauge. Remove the nuts, threaded rods and pressure gauge from the unit.
Reassemble the unit loosely with the new control unit valve in-between the pressure gauge and main assembly. Cut the threaded rods supplied with the kit to the required length and insert. Screw the nuts back on tightly and reattach the mounting bracket.



Electric Control Unit

Filter

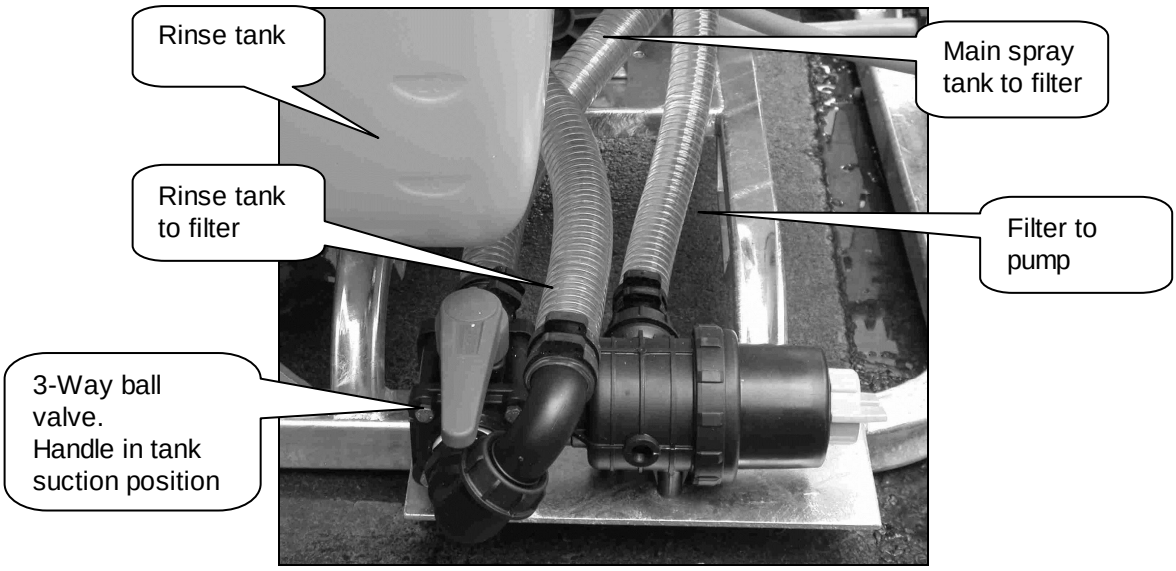
Ensure the main spray tank is empty of fluid, remove both hoses from the filter and remove the filter from the sprayer frame. Fit the centre port of the 3-way ball valve to the end port opposite the filter bowl, seal thread with liquid thread sealant.
Remount filter to sprayer frame, and refit hose from filter to pump in original position.
Fit hose from tank-to-filter to inside port of 3-way ball valve, and hose supplied in chemical rinse kit to outer port of 3-way ball valve, this will connect with rinse tank when fitted.

Rinse Tank

Locate the rinse tank and mount bracket from kit.
Fit the tank-mounting bracket into the recess on the bottom of rinse tank and slide complete tank into cavity on L/H side of sprayer frame.
Fit the lip on top of the rinse tank into the recess underneath the main tank and firmly push up, swing base of tank and mount bracket onto front rib on the base of sprayer frame and line up hole in rib with hole in mount bracket. Secure with M10 bolt and nyloc nut from kit box.
Screw the remaining hose from the 3-way ball valve to the suction port on the rinse tank.

NOTE

The rinse tank will fit into either cavity on the main sprayer tank. However it is recommended to fit the rinse tank to the front cavity to allow the rear cavity to be available for a foam marker tank if required.



NOTE

It may be necessary to remove the L/H main tank side mounting screws from underside of frame and lift the main tank slightly to fit the rinse tank. Ensure the tank-mounting screws are refitted and tightened if removed.

Rinse Nozzle

Locate a central position in the top of the main spray tank suitable for mounting of the rinse nozzle.

Drill a 20mm hole in the top of the tank and fit the thread of the elbow hose fitting through the hole.

Screw the tank-rinsing nozzle onto the hose fitting thread from inside the tank. It will be necessary to remove the lid and filter basket to gain access into the tank.

NOTE

Ensure the elbow hole is on a flat surface to allow the fitting to seal.

Plumbing

Connect the 13mm hose from the accessory valve on the pressure controller to the elbow hose fitting on the top of the tank, secure with hose clamps supplied.

Ensure suction hoses from rinse tank to 3-way ball valve, and from main sprayer tank to 3-way ball valve are connected, and hose from suction filter to pump is also connected and fittings are tight.

OPERATION

Ensure control unit pressure control is wound fully out (CCW) and dump valve set to 0 (dump position):

- Run pump at 540 rpm
- Ensure fluid flows in return line to tank and that there are no leaks
- Turn lever on control unit to I (pressure position)
- Set Control unit pressure to 4-bar (60 psi) (See Sprayer owners manual operating section for further control unit instructions)
- Remove rinse tank lid to allow air into tank.
- Open control unit valve to rinsing nozzle, and allow fluid to flow until tank-rinsing nozzle is operating.
- Ensure nozzle is spraying evenly around tank.
- Shut off control unit valve and ensure nozzle stops spraying and does not drip.
- Replace rinse tank lid.
- Ensure control unit pressure control is wound fully out (CCW) and dump valve set to 0 (dump position)
- Shut off pump.

Operating Hints

Recommended operating pressure for tank cleaning is 4 Bar (60 psi). For optimum tank cleaning, remove lid filter basket before operating rinse nozzle. To prevent rinse tank being sucked in during tank rinsing, remove rinse tank lid before operating rinse nozzle. Replace rinse tank lid after closing rinse nozzle.