

Dickey-john : Control Point
Liquid Deicing (Anti-icing) Calibration
**You need a Calibration Keyboard, Calibration Container, and
collection hoses**



Calibration Container

A few plastic liquid buckets with liter graduations, found in many stores works well.
The graduation should be clear, and volume 15 liters or more.

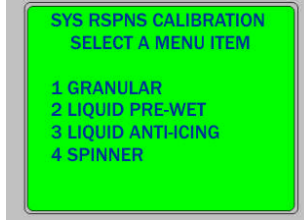


C.I.E. CHAMPION
INDUSTRIAL
EQUIPMENT

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www.cie-eic.com

Calibration of System Response f11

- 1/ Turn the truck on: engage PTO and increase rpm to 1500.
Go to f 11 on your keyboard



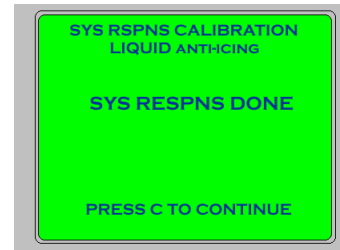
Choose 3: for Liquid ANTI-ICE



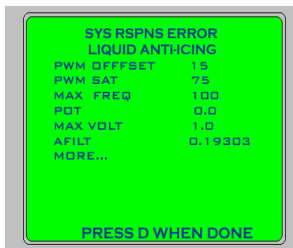
Press R to Run



Start and stop is normal



If every thing ran properly you will see DONE
After 1 minute or 2.



SYS Error failure

- 1/ Check if PTO is on. And liquid valves.
- 2/ Controller did not see an application rate signal; check wiring to sensor and check sensor its self.

1/ Load the truck tanks with the desired Liquid.

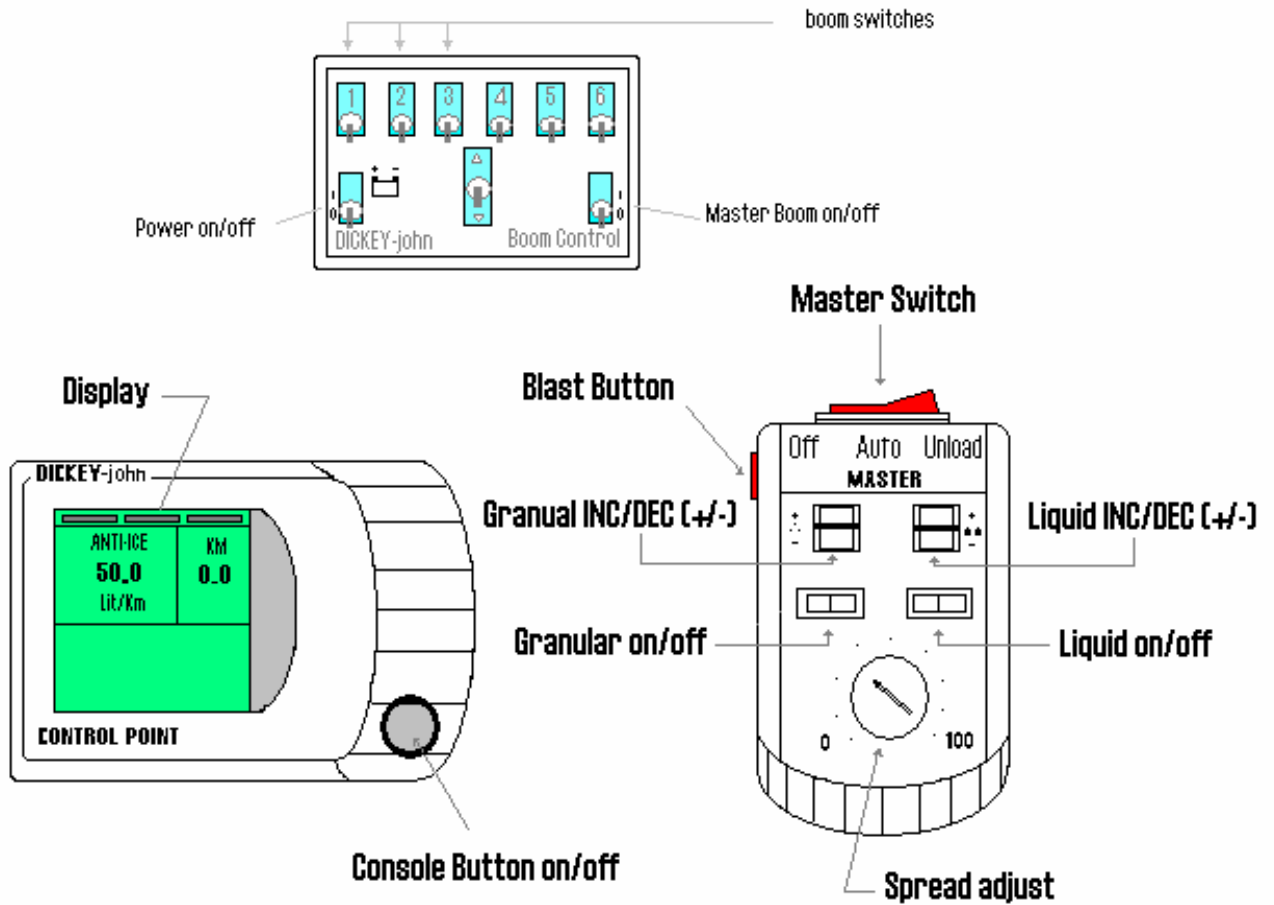


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2/

Liquid switch needs to be ON
At least one boom needs to be ON



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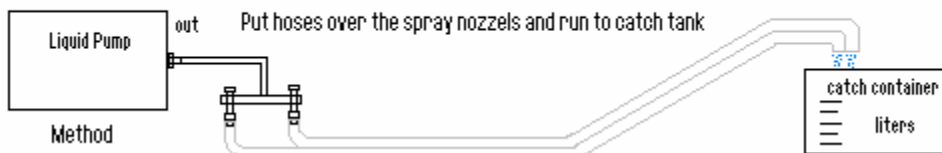
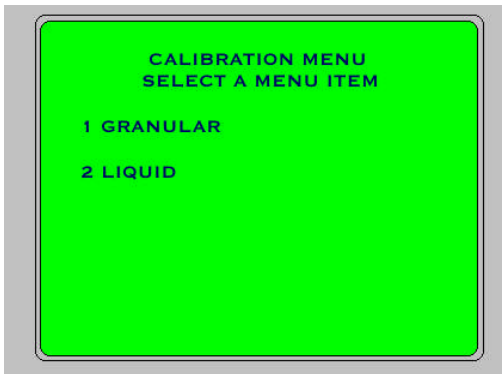
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4/

Place hoses over tips as in photo.

Go to: F6 on Keyboard

Press **F6** for calibration on keyboard – press **1 Deicing** – **1 Liquid (enabled)**



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5/ Your display should read:



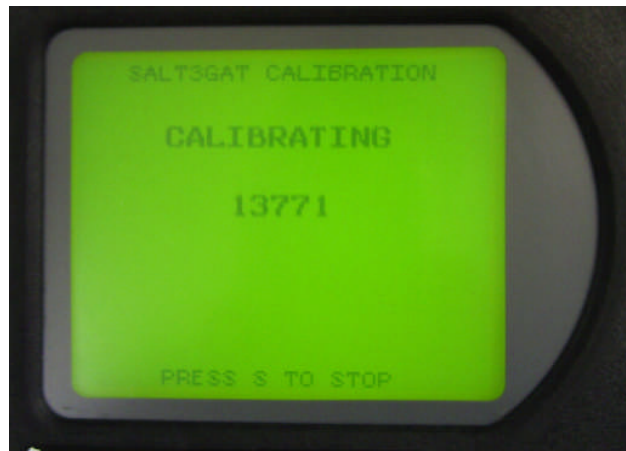
--WARNING--
This calibration will activate the selected channel
----- Catch material in weighted container -----
PRESS R TO RUN



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6/ Press **R** and fill the containers. Press **S** to stop when containers have about half full.



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7/ Enter the volume of the liquid in liters (total up all the catch containers)

Press **enter** (it will calculate pulses/liter) see top of screen!

Enter the volume again; push Enter notice the calculation result at the TOP
Record this number



8/ Press **D** when finished.

9/ Repeat this procedure for each liquid used

Verification

Set manual speed to 40 km/hr (use manual speed F7 configuration)
(You will need a stop watch)

GROUND SPEED	
MAX SPEED	60 KM/H
MANUAL ON	NO
MANUAL DRIVER	YES
MANUAL SPEED	40 KM/H
START UP	15 KM/H
SHUT OFF SPD	3 KM/H
2 AXES	NO
CONSTANT	21042

Verification

Run Speed at 60km/hr in manual mode

Liquid 100 liters; .5km in .5 minutes. (30sec) (1 BOOM ON)

Direct your nozzle spray into your catch bucket. In 30 sec you should have 50 liters.

- liquid 1(Salt Brine)
- liquid 2 (Calcium Chloride)
- liquid 3 (magnesium Chloride)
- liquid 4 (Other)

(You can increase or decrease the constant to match the level of fill.)

Too much liquid means reduce the constant (pulses per Liter) by the % needed.

Too little liquid means reduce the constant (pulses per Liter) by the % needed.



Champion Industrial Equipment 1-613-938-2900

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