



# DEICING DEPOT

*Your specialist for De-Icing chemicals and equipment*

[www.deicingdepot.com](http://www.deicingdepot.com)

## SOP

### 750 Gallon Brine Applicator w- Micro Trac

Follow the steps as listed for your applicator.

#### *Steps For Applying Brine*

1. Install and secure 750 gallon brine applicator in vehicle of choice.
2. Install the Spray Boom receivers (2) and be sure that is securely fitted to the vehicle. Install the 3 types of spray nozzles to each turret and select tip of choice. 1 Pencil tip, 1 Tri Tip, 1 Fan nozzle should be on each turret.
3. Connect the 3 Boom hoses to the male cam lock by color code to the discharge side of the electric flow valves.
4. Install the Micro Trac console in the cab of the truck.
5. Insure the (2) 12 volt power supplies are connected to the battery. 1 powers the console and 1 powers the spray unit.
6. Connect GPS reciver to console and be sure GPS has clear view of the sky.
7. Connect 12 volt Power supply, Micro Trac and Motor Control wires to the spray unit. There are 3 connections in all at the front left corner of the brine Applicator. Apply Dielectric Grease to all connections.
8. Check Engine Oil and fill gas tank with 87 Octane Gas.
9. Fill Brine Tank with 750 gallons on Brine.
10. To insure proper flow be sure to follow flow arrows on the (2) dual ball valves. One under hose reel and one atop pump housing.

11. Start Honda Motor Pump to prime and insure all air is out of system by opening the back pressure valve, once air has been evacuated close back pressure flow valve and slightly crack open.
12. From the cab of the truck turn the console on, switch leftside to on, switch right side to run, select switch on top of console, 1, 2, or 3, switch 1 left Boom Buster, switch 2 Center Boom, switch 3 right Boom Buster.
13. Begin driving vehicle with console and boom selection 1,2 or 3 or any combination of the 3 or all 3. If an alarm sounds you are driving too fast or to slow.
14. Select boom options as needed. Center boom nozzles for drive lanes, add Boom Busters for wider applications.

### Hose Reel

To use hose reel, pull locking pin out, open ball valve, open spray gun and adjust pattern as needed by the thumb adjustment lever on the gun. Hose reel is equipped with electric motor to roll up hose by activating the gray push button.

### Brine Loading and Unloading options:

The Brine applicator system is fitted with load and unloading two way ball valves and female cam locks:

To load with Gas Pump, the two way ball valve on the left rear of system must be in the position with fill hose connect to flow into pump, see arrows for flow direction.

To unload unused Brine back into storage, the two way ball valve located top of pump housing must be in the flow position with discharge hose connect to valve and storage tank.

**Micro Trac Console Programming:** (Note, your system is pre-programmed from the factory and these should only be used as a reference for trouble shooting)

Hold **Blast button** till it lights up.

Turn knob to **MODE** Scroll down to **AG**.

Turn knob to **DISTANCE** = .189 cal#

Turn Knob to **AREA(1)(2)(3)** width in inches 120"-96"-120"

Turn knob to **VOLUME** CAL# on **Flowmeter=140**

Turn knob to **VOLUME/MINUTE** customer's preference, 00

Turn knob to **TANK LEVEL** set @ 5.00 Gallons (Blast Rate).

Turn knob to **RATE** set @ 45 Gallons per Acre.

Hold **Blast Button** to save and finish programming.

## Special Calibration

Hold **Blast Button** turn left toggle switch to on.

Turn knob to **Volume(1)(2)(3)/ Tank Size** 1000-750

Turn knob to **VOLUME/MINUTE** / Alarm for Tank **Cust. Preference=OFF**

Turn knob to **ADJUST RATE=** /00.

Turn knob to **Rate/Target rate**. It stays @ 45. GPA

Turn knob to **Speed/Test Speed=** -1

Turn knob to **MODE/MODE Select/ InLINE**.

Turn knob to **DISTANCE/SPEED** CAL= 1

Turn knob to **AREA/Width** CAL =English

Press **Blast Button** to go into next screen.

Turn Knob to **Area= Year exp..2017**

Turn knob to **Speed CAL= Month**

Turn Knob to **MODE/MODE SELECT= Time**

Turn knob to **Rate = set @ 1 second**

Turn knob to **Adjust Rate= off**

Press **Blast Button** to go into final screen.

Turn knob to **VOLUME/Switch to OFF/** Can not run in Auto when testing  
.Switch back to Auto when installing because of GPS.

Turn knob to **RATE= Alarm on.**

Hold **Blast Button** till light goes off to save programming.

Roadmaster Console Standard=**MT01590**

1-Flow,Servo,Boom Harness=14313

1-10Pin m/p extension cable=14316

1 Power Battery Cable=14315

1 Console Mount. Kit= 13181

1 Power Switch Kit= 14360

1 Run Hold Switch Kit= 14361

Astro 5 3pin GPS=**MT01425**

Flowmeter Kit= **MT01501**

1" Servo Valve model 2005=[MT014928](#)

3 bank (450) Valves=[S453BEC-2NFS-C](#)

*Cleanup and Storage Procedures.*

1. Flush System with clean water and drain insuring all water is evacuated.
2. Remove filter cap and clean screen as needed and insure gasket remains in place.
3. Remove spray nozzle clips as needed to clean.
4. Apply dielectric grease to all electrical connections to prevent corrosion.
5. Fill tank with enough RV antifreeze to fill pump and hoses with antifreeze to prevent damage.
6. Store in a clean, dry and warm condition.