Etnyre INTERNATIONAL

MO-PS3-ADD-26

Updated March 17, 2026

PavementSaver III Calibration

Addendum to MO-PS3-25

3650 Sabin Brown Rd, Wickenburg, Arizona 85390

Phone: 916-826-1007

PARTS/SERVICE: 888-897-0575

www.EtnyreInternational.com

CustomerService@bearcatmfg.com

Date of last Update	March 17, 2026	Procedure Title:
Created By	Ryan Olson	PavementSaver 3 Calibration
Document Revision	-	

Purpose
This procedure is to inform Sales, Service and Production of the process to accurately calibrate the PavementSaver 3. This should be used during start up and to aid customers with a new operator.

Materials needed
• Graduated Bucket • A scale that can zero out • Calculator to Convert from weight to Gallons • A correctly marked dip stick • 200 gallons of water (760 Liters)

Pre-calibration set up:

1. Make sure tank is filled with 200 gallons (760 Liters) of water (or material used for sealcoating)
2. Ensure the spray bar is filled:
    a. Start the engine and increase Engine Speed to max. (See Figure 1)
    b. Open the aux port on the spray bar, then turn on the product pump until water comes out. Then, close the aux port, and turn off the pump. (see Figure 2)
        i. Note: the product pump is turned on by pressing the pump button and turned off by pressing it again.

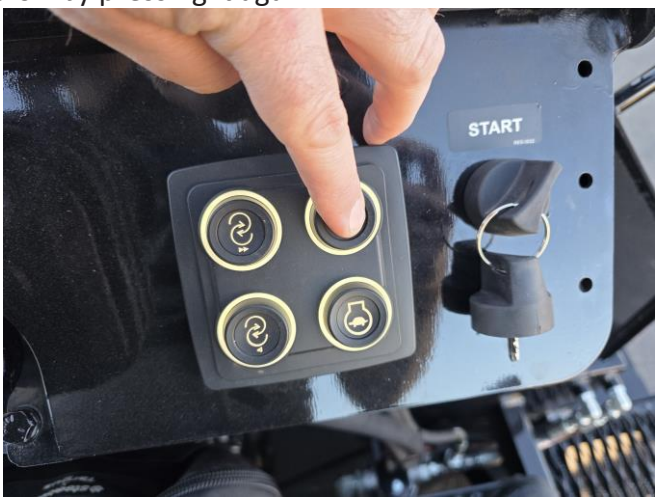

Figure 1

Figure 2

3. Disconnect all spray bar links except one. (see Figure 3)

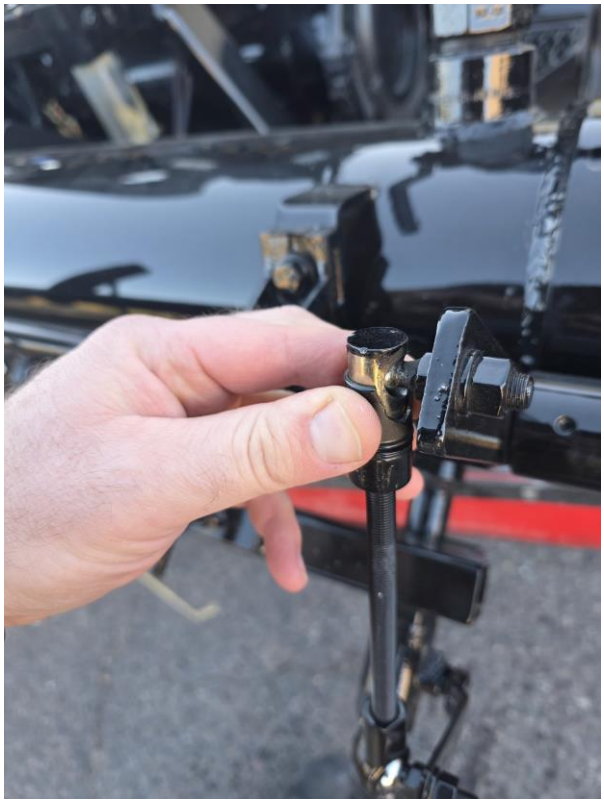

Figure 3

4. Set scale near machine, with an empty bucket, zero the scale. (see Figure 4)

Figure 4

5. Set the empty bucket under the nozzle that is still connected. (see Figure 5)

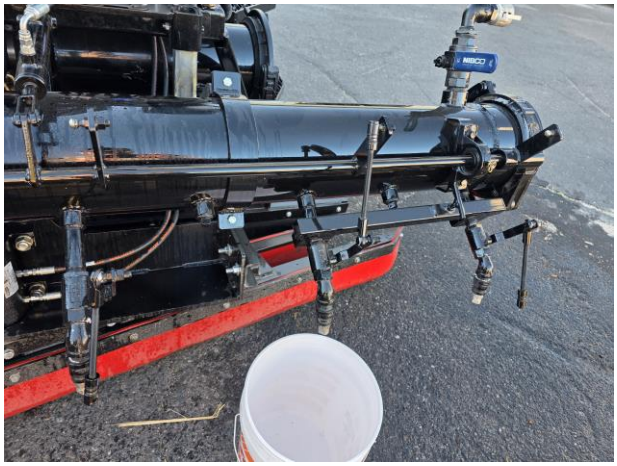

Figure 5

Calibration:

1. Navigate to the Calibration screen:
    a. From the operation Screen, press the “O” button (see Figure 6)

Figure 6

    b. Select Calibration (see Figure 7)

Figure 7

Note: Use pencil icon to change the name of Calibration if desired. (Can use Letters or numbers)

    c. Select green checkmark (see Figure 8)

5

Figure 8

2. The times used below are recommended time intervals for each calibration step (the longer the time, the more accurate the calibration). Starting at Test 1 of 6, enter 30 seconds using the two buttons next to the red arrows on the right, then select the green checkmark. Ensure the empty bucket is under the nozzle and then select the green checkmark again to start the test. Once complete, you'll weigh the bucket, convert to gallons (see conversions below), and then enter the number using the red arrows to increase or decrease if necessary. Then select the green checkmark to move on to Test 2 of 6, repeat the process for each test step using the time intervals below.

Cal 1: 30 seconds
Cal 2: 30 seconds
Cal 3: 30 seconds
Cal 4: 25 seconds
Cal 5: 20 seconds
Cal 6: 15seconds

$Gallons = \frac{lbs}{8.34 \frac{lbs}{Gal}}$ Example: $1.797\ Gallons = \frac{15\ lbs}{8.34 \frac{lbs}{Gal}}$

Metric Conversion

$Gallons = kg \cdot 0.2641 \frac{Gal}{kg}$ Example: $1.3209\ Gallons = 5\ kg \cdot 0.2641 \frac{Gal}{kg}$

3. Once the Calibration is complete, reconnect all the nozzles.

Confirm Calibration:

1. Set the Propel Command and the Pump Command to the desired application rate **without spraying material:**
    a. With the engine speed at max, perform the following steps.
    b. While driving with the joystick fully forward, set the Propel Command to the desired application speed.
    c. Then, set the Pump Command to meet the desired application rate. (Ex. An application rate of 0.068 GAL/YD^2 (0.257 L/M^2) will result in 68 gallons (257 L) used over 1000 ft (305 m))

    Note: For proper operation, move the joystick completely forward and do not adjust the ground speed while confirming the calibration. Do not enable 2 speed or the rabbit on the 8-button keypad.
2. Mark out 1000 ft (305 m) to test on.
3. Measure and note the tank level on a flat surface using a dip stick shown in Figure 9.

Figure 9

4. Spray as normal for 1000 ft (305 m):
    a. Turn pump on and ensure pressure in the spray bar.
    b. Push the drive joystick completely forward.
    c. Open the spray bar at the starting mark of the 1000ft (305 m)
    d. Verify the application rate while spraying the 1000ft (305 m) (see Figure 10)

Note: DO NOT change the ground speed percentage or the pump speed percentage.

Figure 10

5. Return to the same spot then measure and note the tank level. (see Figure 11)

Figure 11

6. Subtract the final tank reading from the first to get the total amount sprayed. If the calibration was done correctly, this should equal your application rate multiplied by 1000 yd^2 (836 m^2).
   Example shown: An average of 0.250 Gal/yd^2 should have used 250 Gallons
   Metric Example shown: An average of 1.13 L/m^2 should have used 944.7 Liters