THE JUNIPER OIL CONTROL GUN FOR 3A (FILLER CAP)

JMP/EH/A/6918

NSN 4930 99 8151691

Overview and Operation Guide

A guide to part identification, gun operation and battery replacement

OVERVIEW - JMP/EH/A/6918

OPERATION - JMP/EH/A/6918

To operate the Gun

1. During normal operation the 6 figure LCD display will appear as per the example diagram below:

2. Pressing the blue ‘Mode’ button will enable the operator to toggle between the following two display options.
   - Batch
   - Total
3. The ‘Batch’ total can be reset by pressing the red ‘Reset’ button.

   Please note: This function resets the ‘Batch’ only. The ‘Total’ displayed is unable to be reset.

4. A ‘Sleep’ mode has been incorporated in the meter to prolong battery life. The unit will activate when fluid flows again or buttons are pressed.
5. The amount of flow is directly proportionate to the amount the trigger is pressed

Caution!
Never point the outlet of the hose assembly / gun towards yourself or anyone else

Programming instructions
To enter the in the programming **'Menu'**, press the reset buttonfor 5 Secs. Once in the programming menu the operator will be able to access (and adjust) 3 programming selections.

1. Setting decimal place
2. Display units of measurement
3. Calibration mode

Setting the decimal place.
1. The unit will display the mode and the number of decimal places currently set.

E.g. **'Dec .22'**

2. Pressing the blue **'Mode'** button will cycle through options available

- Dec .1 = 1 Decimal places
- Dec .22 = 2 Decimal places
- Dec .333 = 3 Decimal places

3.To move to the next section (Unit) press the red **'Reset'** button.

Setting the units.
1. The LCD will now display **'UNIT'**. (See diagram on previous page). The units are currently set as litres, as the letter 'L' indicates
2. Pressing the blue **'Mode'** button will cycle through the options of units that can be displayed

- L
- GAL
- Qt
- Pt
- Oz
- Dl

Calibration
The calibration mode enables, in the case the operator suspects the accuracy of the meter is in question, the operator to dispense a known volume of fluid through the meter (test volume). This test volume is compared to the volume measured by the meter (measured volume). The meter will perform an auto calibration if applicable.

1. The unit will display **'CALIBRATE'** in the lower left hand corner, and a number on the main display. The following options can be scrolled through by pressing the blue **'Mode'** button.

- 2
- 4
- 8
- 20
- 100
- 250

This number represents the **'test volume'** to be dispensed through the meter during calibration.

2. On selecting the 'test volume' press the blue **'Mode'** button for 3 Secs. The meter will display **'PURGE'** and **'CALIBRATE'** will also start to flash.
3. Purge the system of air by running fluid through the system.
4. Once purged of air the calibration process can be started by pressing the blue **'Mode'** button.The unit will display **'RUN'** and the 'Test volume'. E.g. **'RUN 100'**
5. Run the test volume through the meter until stipulated volume has been reached (E.g. **'100'**) .
6. Once this volume has been reached press the blue **'Mode'** button to stop the test. The unit will now compare the 'Measured Volume' to the 'Test Volume' and perform an 'Auto calibration' if the difference between the two volumes are within ±8% of each other.

Note: If the difference between the two volumes is greater than ±8% of each other, the unit will display one of the following messages.

- ERROR LOW
- ERROR HIGH

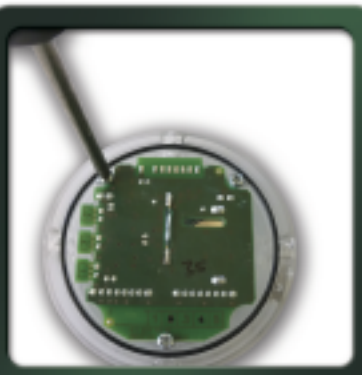
BATTERY REPLACEMENT - JMP/EH/A/6918

1. Gun display

2. Remove rubber shroud

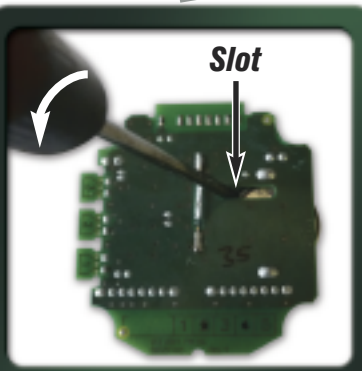
3. Unscrew four retaining screws

4. Carefully remove electronic module keeping rubber 'O' ring in place



5. Unscrew the three PCB retaining screws

6. Carefully remove the PCB and set it face down on a soft cloth



7. With a screwdriver lever the battery out through the slot in the PCB

To reassemble the gun simply reverse the process

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