



# RATTLE STICK EX

US PATENTS 9397531 10184217 10326331 10899664 9719215 9139966  
CANADA 2857469 JAPAN 6324855 CHINA ZL201410407028



## OWNERS MANUAL

[www.RattleStick.net](http://www.RattleStick.net)

69 Lincoln Blvd. Ste A-311 Lincoln, CA 95648



# Table of Contents

1. Intro, User Responsibility
2. Reservation, Transportation, and Storage
3. Getting Started: Work Area Safety, Common Sense, PPE
4. Warranty
5. Maintenance
6. Maintenance (*Continued*)
7. Recommended Lubricant
8. Troubleshooting



**WARNING!** If used incorrectly the machine can cause injury.

Please read the Operator's Manual thoroughly making sure you understand how to use the machine before use. Always wear personal protective equipment such as gloves, eye protection, hearing protection, and a hard hat. Jobsites might require certain protective equipment be used due to national and local regulations and insurance policies. Make sure you check with the jobsite foreman for requirements before work begins.

**Dear Customer,**

Welcome to the Rattle Stick Concrete Tools family, our intent to deliver the best products as possible. Delivering innovative, well-built, ergonomic, cost-effective products is our goal to help you do the best job possible. Safety, and innovation are our cornerstone of design. This Operator's Manual is a valuable document. Make sure it is always accessible when using the machine. If you lend or sell this machine, make sure that this document is also transferred, so the new user will know how to effectively use and maintain it.

**User Responsibility**

It is the owner's / employer's responsibility to ensure that the operator is trained and has sufficient knowledge about how to use this machine safely. Supervisors and operators must read and understand the Operators Manual. They must be aware of the safety instructions, limitations, proper use and maintenance. Local and national legislation may regulate the use of this machine. Find out what legislations are applicable in your location before use.





### **Vibration Warning**

**WARNING!** Overexposure to vibration can lead to circulatory damage and or nerve damage, especially in people who have impaired circulation. Contact your doctor if you experience symptoms of overexposure to vibration. Symptoms include numbness, loss of feeling, tingling, pricking, pain, loss of strength, and changes in skin color and condition. These conditions normally occur in the fingers, hands or wrists and can be further increased in cold temperatures.

### **Rattle Stick Concrete Tools Reservation**

All the information and data in this Operator's Manual was up to date at the time the Operator's Manual was sent to print. Rattle Stick Concrete Tools, research and development are continually working on product development and improvements. Therefore, we reserve the right to modify the design, appearance, and features of the product without prior notice.

### **Transportation and Storage**

After work is completed, remove the Rattle Stick from the float and thoroughly wipe down before the concrete has time to setup. **DO NOT USE A PRESSURE WASHER OR SUBMERGE IN WATER!** There are sensitive electronics and not all areas can be watertight. Secure the equipment during transportation to avoid transport damage and accidents. Store in a lockable area so that it is not able to be accessed by children or unauthorized persons.

## **Work Area Safety**

- Observe your surroundings to ensure nothing can affect your control of the machine.
- Observe your surroundings to ensure there is no risk of people or animals that can encounter the machine while in operation.
- Do not use machine in bad weather, such as heavy rain, strong winds, intense cold, or heavy fog. Working in such weather is trying and can lead to difficult situations.
- Ensure that the work area is sufficiently illuminated to create a safe working environment.
- Make sure that there are no overhead or other electrical cables routed in the working area that poles could in contact with. Make sure that the work area is clear, clean, and free of obstacles that can cause trips or spills.

## **In the Box**

Rattle Stick EX vibrator, adapter sleeve, carrying case and warranty.

## **Common Sense**

It is not possible to cover every conceivable situation. Exercise care and use common sense if you get into a situation where you feel unsafe. Stop and seek expert advice by contacting Rattle Stick Concrete Tools, a service dealer, or an experienced user. Do not attempt any task that you are unsure of.

## **Personal Protective Equipment**

You must use approved personal protective equipment whenever you use the machine. Personal protective equipment cannot eliminate injury, but it will reduce the degree of injury if an accident does happen. Ask your dealer for help in choosing the right protective equipment. Anti vibration gloves are recommended.

## **Before Starting**

Inspect equipment to ensure that there are no loose parts or other obvious damage. If there are do not use until the problems are corrected. Make sure that routine maintenance has been completed. (See page 5)



# Rattle Stick Concrete Tools Warranty

---

***Rattle Stick is under warranty for 1 Year, from date of purchase. (proof of purchase required)***

Rattle Stick warrants that its product is free from defects in material and workmanship for 1 year from the day of purchase and provided that the product upon examination by Rattle Stick discloses that it is defective.

This warranty does not extend to any part of our product that has been deemed damaged by normal wear/ tear, misuse, accident, used in violation of the instructions, tampered with, or altered.

---

***Any reproduction of any piece of this tool is prohibited & protected under U.S. and Foreign Patent rights and subject to prosecution***

---

**Note:** Warranty Registration not required. Proof of purchase and a copy of this warranty card is required for warranty verification. Serial number and proof of purchase will be used to determine if product is still under warranty.



**WARNING:** This product can expose you to chemicals which is (are) known to the State of California to cause cancer or birth defects or other reproductive harm. For information visit [P65warnings.ca.gov](http://P65warnings.ca.gov)



Serial # RS

# Rattle Stick Tool Maintenance ►



1 Use the sleeve with thin wall chain or EZ tilt style float heads. Remove for heavy wall adapters like Kraft Knuckle Head II and RED-K2.

2 Never tighten the 2 motor bolts they are factory torqued. Additional torque will cause failure.

3 Twist style speed control. Turn completely left to click power off.

5 Big handles slip over backwards, small handles go inside.

4 Remove cap to oil bearing.  
If it is wet already DO NOT OIL.  
Only apply 2 -3 drops when needed. A dry bearing will cause overheating and failure. Thick oils and grease will also cause failure. Only use high speed thin as water oils.  
3 in 1 PTFE, 3 in 1 Penetrant.

## Technical Data

Motor	18-20VDC
Twist Knob	Variable Speed Control
Weight	5lbs
Dimensions	30" x 2.25"
Cap Bolts	1/4 -20 x 3/8"
Socket Size	3/8" SAE

# Rattle Stick Tool Maintenance ►



**WARNING ~ REMOVE BATTERY BEFORE PERFORMING ANY MAINTENANCE TO AVOID INJURY** Important: Do not get any water, concrete, dirt, or debris inside tool! This will void warranty.



Remove the float end to expose the main bearing and apply 1-2 drops lubricant as needed, if the bearing is wet, do not lubricate. Be careful it comes out fast. Too much oil can damage electrical parts

Never torque or change the factory torque on the motor screws, this will void the warranty.

*Only use the recommended lubricant for your Rattle Stick.  
(See page 7)*



## Recommended Lubricant ►



DON'T EVER USE motor oil or any thick lubricant this will void your warranty and will burn up the motor. NO GREASE, MOTOR OIL OR AIR TOOL OIL (do not use the 3 in 1 for ¼ HP Motors)  
Just the two listed below 3 in 1 PTFE lubricant for the bearing. If 3 in 1 is not available in your area, you may use other lubricant as long as it is thin as water



3-in-1 PTFE Lubricant  
Available at Lowes



3-in-1 Penetrant  
Available at Lowes

# Troubleshooting ►

## Problem

1. Lack of vibration
2. Over heating
3. No power/loss of variable speed
4. Fits Loose into float adapter
5. Not bringing up the cream

## Causes

1. Dry bearing
2. Dry bearing
3. Water damage switch or ECU
4. Missing sleeve adapter
5. Float pitch too flat, moving too fast

## Fix

1. Oil bearing
2. Oil bearing
3. Send in for repair
4. Put sleeve adapter on
5. Roll float on the edge and slow down



Rattle Stick Concrete Tools  
69 Lincoln Blvd., Ste A-311  
Lincoln, CA 95648  
916.472.6250  
[www.rattlestick.net](http://www.rattlestick.net)

