

TOMAHAWK

eTVSA
BATTERY POWER SCREED

Operation Manual

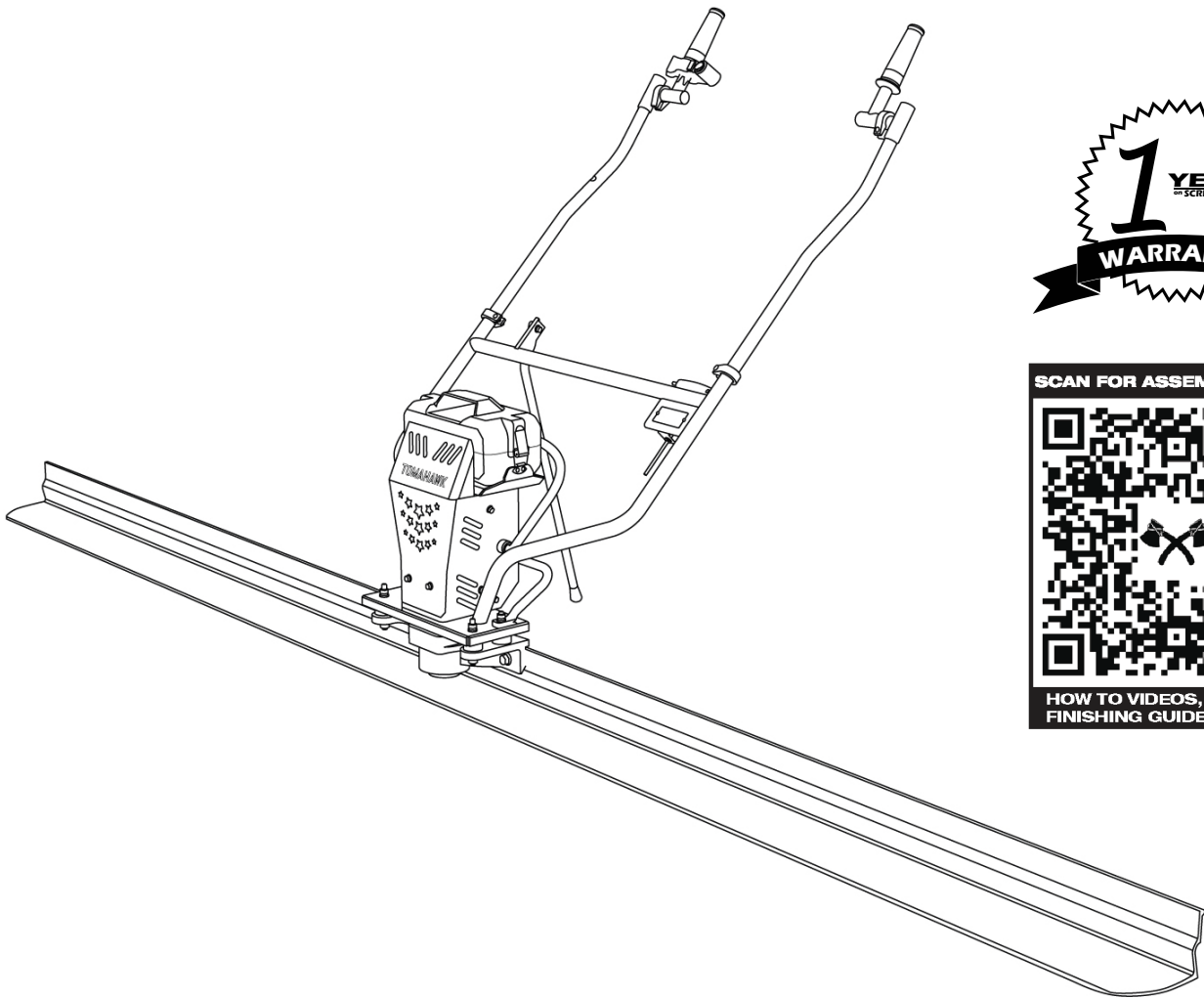


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Register Your Equipment

Thank you for purchasing TOMAHAWK equipment! Your product is covered by the TOMAHAWK Warranty policy, but in order to activate your warranty, we need you to register your product. In addition to activating your equipment warranty, product registration will grant you access to important product updates, streamlined customer service and more.

INCLUDED WITH YOUR REGISTRATION

- ✓ Equipment Warranty Activation
- ✓ Product Updates
- ✓ Streamlined Customer Service
- ✓ Exclusive Discounts and Sales

STEPS TO REGISTER YOUR EQUIPMENT

1. Visit www.tomahawk-power.com
2. Choose “Product Registration” at the bottom of the page
3. Enter your equipment’s serial number to get started
4. Provide all required information
5. Submit Registration

Equipment Resources

Tomahawk Customer Service doesn’t stop at checkout. We understand to keep a job-site running smoothly - the proper equipment, spare parts, instruction manuals, and more are needed at the drop of a hat. Visit www.tomahawk-power.com to gain access to the incredible resources below.

How To Video Library

More of a visual person? Visit our Video Library for equipment assembly instructions, troubleshooting tips, and more!

Found on each product listing or the Service Videos Page

Manual and Assembly Guide Library

Visit our Manual Library if you are looking for a lost operations manual or a particular spare part?

Found on each product listing or the Tomahawk Manuals Page

Service Requests

In need of a quick fix or a service center referral? Submit a Service Request and a Tomahawk Technician will respond shortly to get you the help you need.

Choose “Service Request” at the bottom of www.tomahawk-power.com



This manual provides information and procedures to safely operate and maintain this model. For your own safety and protection from injury, carefully read, understand and observe the safety instructions described in this manual.

Keep this manual or a copy of it with the machine. If you lose this manual or need an additional copy, please contact Tomahawk Power LLC or visit www.tomahawk-power.com This machine is built with user safety in mind; however, it can present hazards if improperly operated and serviced. Follow operating instructions carefully. If you have questions about operating or servicing this equipment, please contact Tomahawk Power.

The information contained in this manual is based on machines in production at the time of publication. Tomahawk Power reserves the right to change any portion of this information without notice.

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1. Safety Information

This manual contains DANGER, WARNING, CAUTION, and NOTE callouts which must be followed to reduce the possibility of personal injury, damage to the equipment, or improper service.



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.



DANGER indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.



WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.



CAUTION indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

1.1 Fire Safety

If your machine catches fire, turn off the electric supply. Using a dry powder or CO2 fire extinguisher, put out the fire. If the fire cannot be put out, keep away and call the fire department. If you are in any doubt about the safety condition of your machine, please consult Tomahawk Power.

1.2 Operating Safety



Familiarity and proper training are required for the safe operation of equipment!

Equipment operated improperly or by untrained personnel can be dangerous! Read the operating instructions contained in both this manual and the engine manual and familiarize yourself with the location and proper use of all controls. Inexperienced operators should receive instruction from someone familiar with the equipment before being allowed to operate the machine.

1.2.1 NEVER allow anyone to operate this equipment without proper training. People operating this equipment must be familiar with the risks and hazards associated with it.

1.2.2 NEVER use accessories or attachments for this equipment, which are not recommended by TOMAHAWK POWER. Damage to the rammer and/or injury to user may occur.

1.2.3 NEVER leave machine running unattended.

1.2.4 ALWAYS be sure operator is familiar with proper safety precautions and operation techniques before using machine.

1.2.5 ALWAYS wear hearing protection when operating equipment.

1.2.6 ALWAYS wear protective clothing appropriate to the job site when operating equipment.

1.2.7 ALWAYS wear hearing protection when operating equipment.

1.2.8 ALWAYS store equipment properly when it is not being used. Equipment should be stored in a clean, dry location out of the reach of children.

1.2.9 ALWAYS operate machine with all safety devices and guards in place and in working order. **DO NOT** modify or remove safety devices. **DO NOT** operate machine if any safety devices or guards are missing or inoperative.

1.2.10 ALWAYS read, understand, and follow procedures in Operator's Manual before attempting to operate equipment.

1.3 Service Safety



For your own personal protection and for the safety of those around you, please read and ensure you fully understand the following safety information. It is the responsibility of the operator to ensure that he/she fully understands how to operate this equipment safely. If you are unsure about the safe and correct use of the eJXPC50 Plate Compactor, consult your supervisor.

1.3.1 DO NOT attempt to clean or service machine while it is running. Rotating parts can cause severe injury.

1.3.2 ALWAYS replace worn or damaged components with spare parts designed and recommended by Tomahawk Power.

1.3.3 ALWAYS keep machine clean and labels legible. Replace all missing and hard-to-read labels. Labels provide important operating instructions and warn of dangers and hazards.

1.3.4 This equipment is heavy and must not be lifted single-handedly. Must be listed with two people or use suitable lifting equipment.

1.3.5 Cordon off the work area and keep members of the public and unauthorized personnel at a safe distance.

1.3.6 Personal Protective Equipment (PPE) must be worn by the operator whenever this equipment is being used.

1.3.7 Make sure you know how to safely switch this machine OFF before you switch it ON in case you get into difficulty.

1.3.8 Always switch OFF and unplug the motor before transporting, moving it around the site, or servicing it.

1.3.9 During use, the motor becomes very hot, allow the motor to cool before touching it. Never leave the motor running and/or unattended.

1.3.10 NEVER remove or tamper with any guards fitted, they are there for your protection. Always check that guards are in proper condition, if any are damaged or missing, **DO NOT USE THE MACHINE** until the guard has been replaced or repaired.

1.3.11 NEVER pull or guide the machine using the cable and never pull on the cable to disconnect the plug.

1.3.12 DO NOT operate the machine when you are ill, feeling tired, or when under the influence of alcohol or drugs.

1.3.13 Ensure that any trailing cable is protected against damage and not liable to be tripped over or trapped underneath the machine.

1.3.14 DO NOT use the Motor Guard as a Lifting Point.

1.3.15 DO NOT Jet Wash the machine as this could result in serious injury or even death!

1.3.16 DO NOT use this machine in wet conditions. The electrical components of the machine **NEVER** be exposed to water or liquid of any kind as this could result in serious injury or even death!

1.3.17 ALWAYS replace worn or damaged components with spare parts designed and recommended by Tomahawk Power.

1.3.18 ALWAYS keep machine clean and labels legible. Replace all missing and hard-to-read labels. Labels provide important operating instructions and warn of dangers and hazards.

1.3.19 ALWAYS check for damaged parts before each use. Carefully check that the screed will operate properly and perform its intended function. Replace damaged or worn parts immediately. Never operate the screed with a damaged part.

1.3.20 ALWAYS inspect the screed prior to placing in storage and before re-use. Store the screed in a dry, secure place out of the reach of children when not in use.

1.3.21 ALWAYS use only accessories that are recommended by the manufacturer for use with the screed. Accessories that may be suitable for one Screed may create a risk of injury when used with the screed equipment.

1.3.22 ALWAYS keep boards clean when not in use and guards in place and in working order.

2. Technical Data

2.1 Screed Board Data

For more board sizes and bundle discounts, visit www.tomahawk-power.com. Boards are interchangeable with battery-powered models and gas-powered Honda model Tomahawk Screeds.

Board Model	Length	Width	Height	Weight	Assembly Type
TSB4-P	4 ft (1224.4 mm)	5.9 in (149 mm)	3.15 in (80 mm)	8.6 lbs (3.9 kg)	Bolt & Nut
TSB6-P	6 ft (1824.5 mm)	5.9 in (149 mm)	3.15 in (80 mm)	10.1 lbs (6.1 kg)	Bolt & Nut
TSB8-P	8 ft (2438.4 mm)	5.9 in (149 mm)	3.15 in (80 mm)	13.7 lbs (6.2 kg)	Bolt & Nut
TSB10-P	10 ft (3048 mm)	5.9 in (149 mm)	3.15 in (80 mm)	17.2 lbs (7.8 kg)	Bolt & Nut
TSB12-P	12 ft (3657.6 mm)	5.9 in (149 mm)	3.15 in (80 mm)	20.5 lbs (9.3 kg)	Bolt & Nut
TSB14-P	14 ft (4267.2 mm)	5.9 in (149 mm)	3.15 in (80 mm)	24 lbs (10.9 kg)	Bolt & Nut

2.2 Machine Data

Model	eTVSA
Vibration Speed	9000 VPM
Battery Type	Samsung Lithium Ion – 36V/5Ah
Battery Life	2 Hour
Recharge Time	2 Hours
Start Type	Button (Automatic)
Drive System	Flexible Shaft
Handles	Adjustable 360°
Machine Weight (w/o Blade)	40lbs
Warranty	1 Year

3. Storage

In case of storing the screed and board for a long period of time (for more than 30 days):

- 3.1** Clean the screed motor and handles.
- 3.2** Remove the board from the screed.
- 3.3** Store the screed and board separately in a clean, dry area.
- 3.4** Cover the screed and board completely with dry tarp.

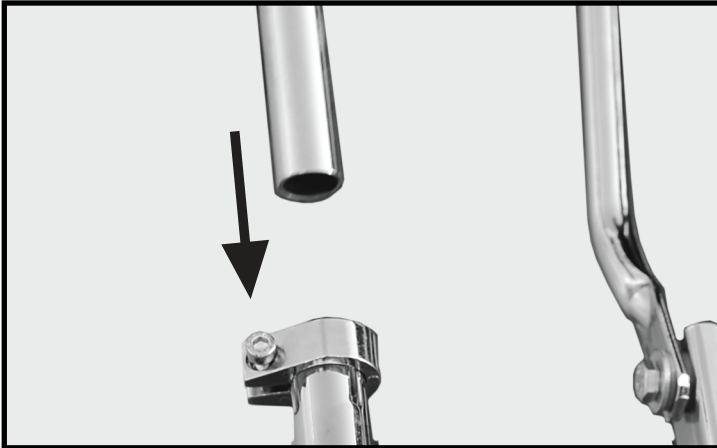
4. Replacement Parts

- For replacement parts and technical questions visit www.tomahawk-power.com or scan the QR code on the front of this manual.
- Not all equipment components are available for replacement. The illustrations within this manual are a convenient reference to the location and position of parts in the assembly sequence.
- When ordering parts, the following will be required: model number, serial number/lot date code, and description.
- The distributor reserves the right to make design changes and/or improvements to product lines and manuals without notice.

TOMAHAWK

eTVSA: Assembly and Operation 1

www.tomahawk-power.com



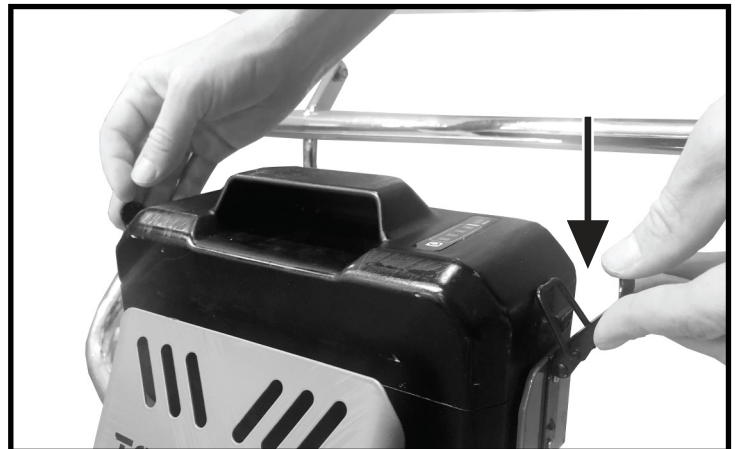
1 Fit each side of the screed handles into the base of the screed assembly.



2 Fasten each side of the handles tightly using a Size 5 Allen Wrench included.



3 Place the lithium battery into it's dock on top of the screed's motor.



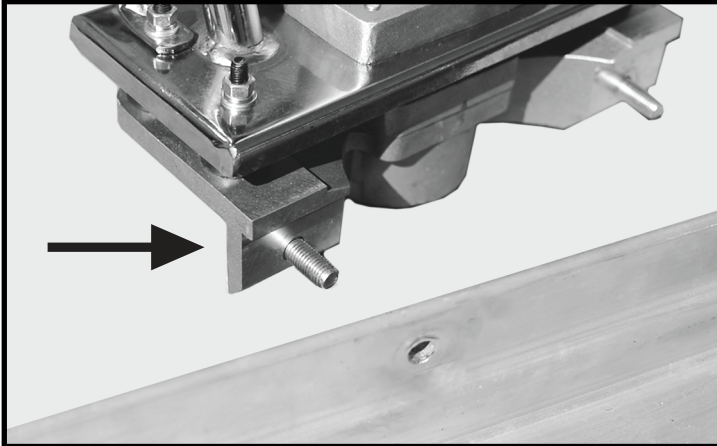
4 Secure the lithium battery securely on either side with the clasps.



5 Connect the throttle cable to the back of the lithium battery securely.



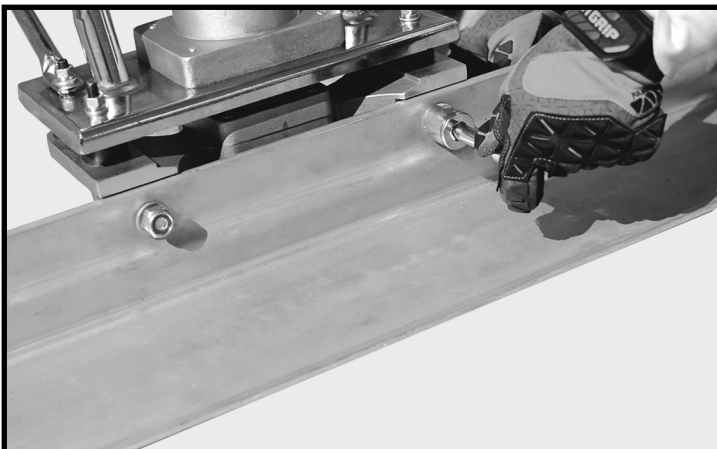
6 Adjust the 360° handles to find a comfortable position and tighten in place.



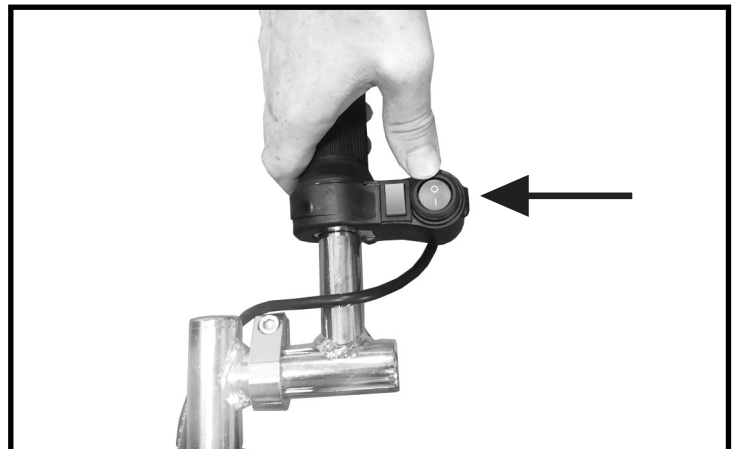
7 To attach the board, fit the bolts through the back of the screed's base.



8 Align the bolts in the base to the holes in the back of the screed blade and fit them through.



9 To tighten, secure the back of a bolt with a wrench and tighten using a 19mm socket.



10 Press the circular button to start the screed's motor.



11 Twist the throttle handle to start vibration. Press the square button to lock in place.



12 Go to Page 13 for Tips on How to Wet Screed

7. Limited Warranty

Tomahawk Power LLC. ("We" or "Us") warrants to the original purchaser only ("You" or "Your") that the Tomahawk product purchased will be free from material defects in both materials and workmanship, normal wear and tear excepted, for a period of 1 year from date of purchase. The foregoing warranty is valid only if the installation and use of the product is strictly in accordance with product instructions. There are no other warranties, express or implied, including the warranty of merchantability or fitness for a particular purpose. If the product does not comply with this limited warranty, Your sole and exclusive remedy is that We will, at our sole option and within a commercially reasonable time, either replace the product or product component without charge to You or refund the purchase price (less shipping). This limited warranty is not transferable.

Limitations on the Warranty

This limited warranty does not cover: (a) normal wear and tear; (b) damage through abuse, neglect, misuse, or as a result of any accident or in any other manner; (c) damage from misapplication, overloading, or improper installation; (d) improper maintenance and repair; and (e) product alteration in any manner by anyone other than Us, with the sole exception of alterations made pursuant to product instructions and in a workmanlike manner.

Obligations of Purchaser

You must retain Your product purchase receipt to verify date of purchase and that You are the original purchaser. To make a warranty claim, contact Us at (866) 577-4476, identify the product by make and model number, and follow the claim instructions that will be provided. The product and the purchase receipt must be provided to Us in order to process Your warranty claim. Any returned product that is replaced or refunded by Us becomes our property. You will be responsible for return shipping costs or costs related to Your return visit to a retail store.

Remedy Limits

Product replacement or a refund of the purchase price is Your sole remedy under this limited warranty or any other warranty related to the product. We shall not be liable for: service or labor charges or damage to Your property incurred in removing or replacing the product; any damages, including, without limitation, damages to tangible personal property or personal injury, related to Your improper use, installation, or maintenance of the product or product component; or any indirect, incidental or consequential damages of any kind for any reason.

Assumption of Risk

You acknowledge and agree that any use of the product for any purpose other than the specified use(s) stated in the product instructions is at Your own risk.

Governing Law

This limited warranty gives You specific legal rights, and You also may have other rights which vary from state to state. Some states do not allow limitations or exclusions on implied warranties or incidental or consequential damages, so the above limitations may not apply to You. This limited warranty is governed by the laws of the State of California, without regard to rules pertaining to conflicts of law. The state courts located in San Diego County, California shall have exclusive jurisdiction for any disputes relating to this warranty.

8. How to Wet Screed

8.1 Set the Elevation of the Slab

8.1.1 Use grade pins (A) to set the height of the slab. Position in the middle of the pour.

8.1.2 To set the elevation around the walls, use chalk lines or expansion joints.

8.1.3 In areas where there are no walls, use form boards to set the elevation.

8.2 Make Wet Pads

8.2.1 Use the float to create wet pads around all of the grade pins (A).

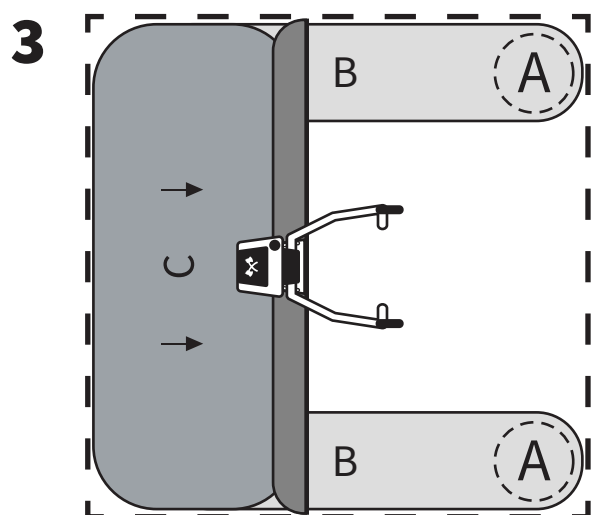
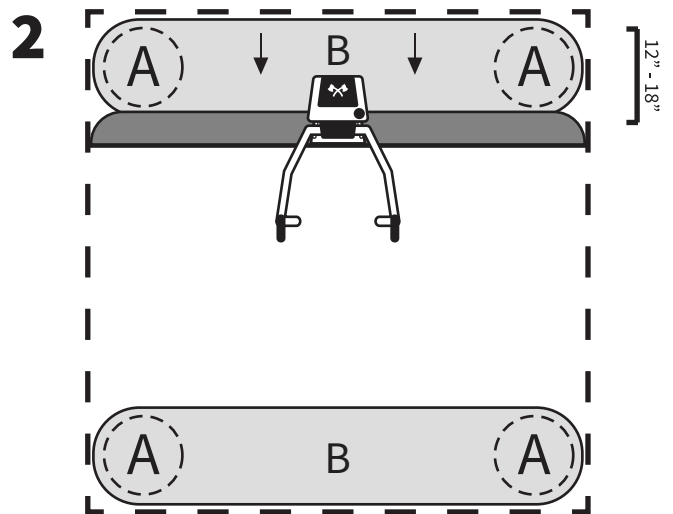
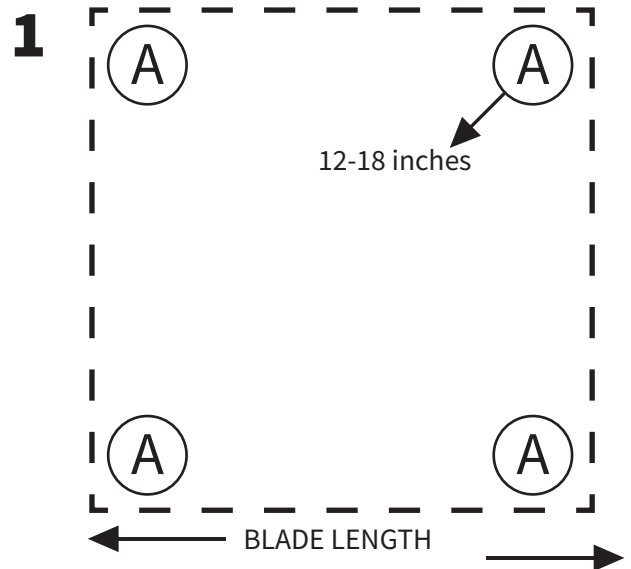
Make sure that the distance between the wet pads is shorter than the length of the blade being used.

8.2.2 Form rows (B) with the blade to smooth from one wet pad to the next.

8.2.3 After all of the rows are formed, run the screed blade off of the two rows leveling the previously untouched concrete (C) in between.

Prior to running the blade off, make sure that the height of the concrete in area (C) is slightly taller than the wet pad rows in area (B).

8.2.4 Once the floating is completed, the wet pads and concrete will all be smoothed out to the same height.

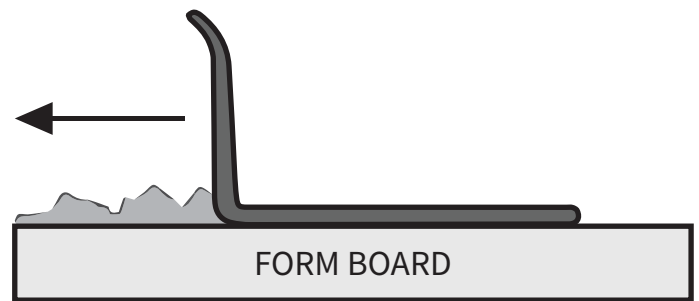
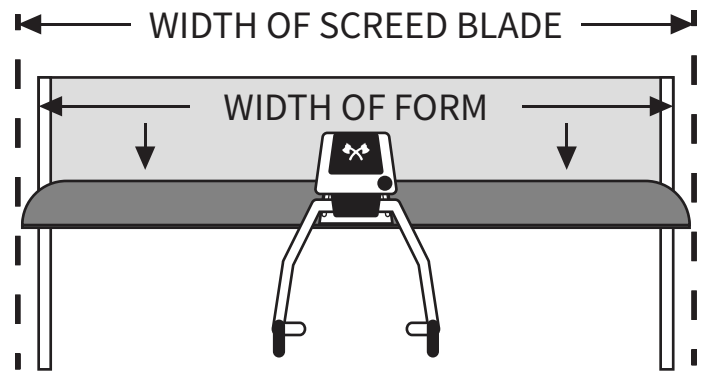


9. How to Screed Form to Form

9.1 In order to screed form to form, the length of the blade should overlap both form boards on each side of the pour.

9.2 When screeding off of forms, keep the bottom of the blade as flat as possible.

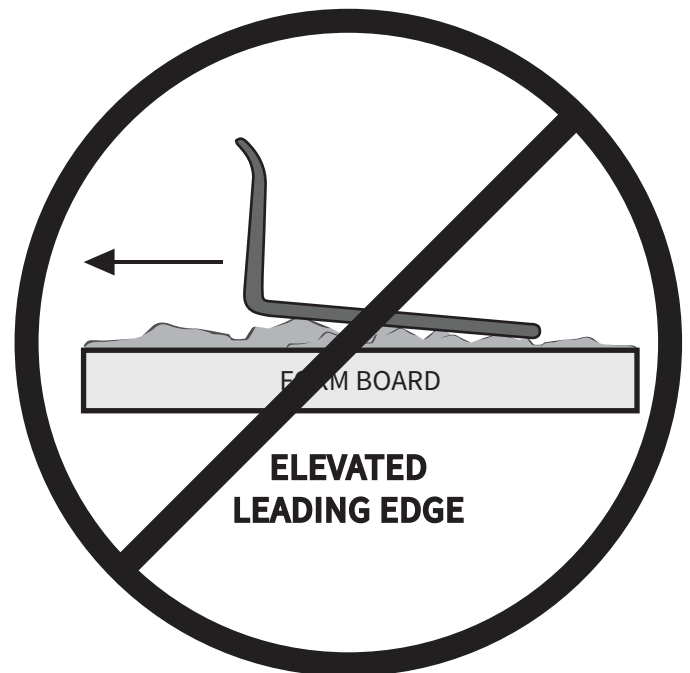
9.3 Extend the life of your blade by using the lowest vibration setting in relation to the slump of concrete being used.



KEEP SCREED BLADE FLAT



Be aware of elevated **trailing** edges. This can create an area for concrete to build up, resulting in an uneven slab elevation.



Be aware of elevated **leading** edges. This can trap rocks in between the blade, resulting in an uneven slab elevation.

10. Operating on Wet Concrete

10.1 Steps

10.1.1 To begin, pour the concrete inside of the forms, slightly higher than the height of the forms themselves.

10.1.2 Place the screed on top of the concrete and start the engine.

Do not begin screeding until the engine is warm and running on its own with the choke OPEN.

10.1.3 Increase the engine's RPM until the clutch engages. The screed will then begin to vibrate.

10.1.4 Start your screeding process by walking backwards. (Review pages 17 and 18 for detailed instructions.)

10.1.5 While the throttle level does not require consistent contact, you can adjust the engine's RPM and vibration to accommodate your concrete's moisture. Dry or low slump concrete may require high vibrations to level and screed correctly.

10.1.6 With the concrete in front of the blade, continue walking backwards to level and screed.

10.1.7 The blade's roll back feature ensures concrete does not slide over the blade. Concrete poured too high may cause the concrete to spill over the blade. If this happens, the screed will become too heavy to pull, resulting in unevenness.

For detailed instructions on How To Wet Screed and How To Screed Form To Form, refer to pages 17 and 18.



CAUTION: DO NOT OVER-VIBRATE CONCRETE

Have you used too much vibration? Here's how to know:

- Concrete is spilling excessively.
- The blade is sinking below the wet pads.
- Concrete is creating ripples or "wake marks" after screeding.
- Concrete is sliding under the form boards, creating dips and uneven form edges.



The less vibration, the better. Only use enough to comfortably pull the screed when walking backwards to leave a smooth, level surface.



NEVER PUMP NEVER LOSE PRESSURE

Lose the manual pump and gain the power to spray **15,000 ft² in 10 minutes** or less while maintaining constant, adjustable pressure from 50-435 PSI with your ideal concrete sealant, cure, top cast, form release, and more!



Item #: TCS6.5

6.5 GAL MOTORIZED CONCRETE SPRAYER

www.tomahawk-power.com





POWER YOUR WORLD

Perfect for concrete finishing of warehouses, decks, parking lots, and more, adjust from 0-28 degrees with 4 Combo hardened, tempered steel blades to **achieve a matte, light gloss, or gleaming finish!**



Item #: JXPT46K

24" - 36" - 46"
POWER TROWELS

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TOMAHAWK

PRODUCT CATALOG

COMPACTION



3,550 lbs/ft Vibratory Rammer
Part#: TR68H

3.6 HP Honda GXR120 Engine
Easily achieve a 100% compaction rating
3-in-One Fuel System with carburetor protection
13" x 11" plate for narrow trenches and corners
3 Year Engine Warranty & 1 Year Product Warranty



3,400 lbs/ft Plate Compactor
Part#: TPC90H

5.5 HP Honda GX160 Engine
Easily achieve a 100% compaction rating
22" x 20" cold, rolled steel beveled base plate
Includes 3.5 gallon water tank for asphalt compaction
3 Year Engine Warranty & 1 Year Product Warranty



3,000 lbs/ft Plate Compactor
Part#: TPC80 & TPC80H

6 HP Kohler CH260 & 5.5 HP Honda GX160 Engines
Easily achieve a 100% compaction rating
16.5" x 21.5" plate for narrow trenches and corners
Optional Honda Engine model: TPC80H
3 Year Engine Warranty & 1 Year Product Warranty

FINISHING



6.5 Gal Backpack Concrete Sprayer
Part#: TCS6.5

Maintain constant, adjustable pressure up to 450 PSI
Achieve superior concrete finishes with even spraying
Spray 15,000 sq ft in less than 10 minutes
Compatible with major manufacturer wands
1 Year Product Warranty



1.6 HP Vibratory Concrete Screed
Part#: TVSA-H

1.6 HP Honda GX35 Engine
Aluminum Magnesium blades available from 8ft - 14ft
Finish concrete 4X faster than other screed methods
360° adjustable handle placement
3 Year Engine Warranty & 1 Year Product Warranty



6" Early Entry Green Concrete Saw
Part#: TFS6H

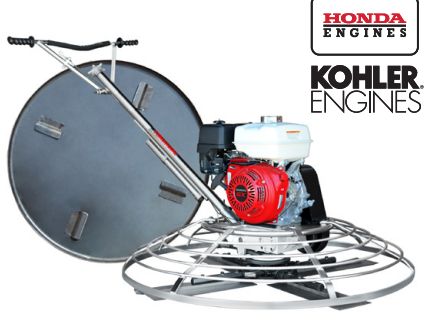
5.5 HP Honda GX160 Engine
Maximum cutting depth of 1 3/16 inches
OSHA compliant vacuum port for dust collection
Includes 6" early entry concrete blade
3 Year Engine Warranty & 1 Year Product Warranty

FINISHING



1.6HP Backpack Concrete Vibrator
Part#: TVIBH + TVW10-P

1.6 HP Honda GX35 engine
Consolidation with speeds of 10,000-12,000 VPM
Quick Connect centrifugal clutch vibrator
1" and 2" Diameter Whips Available in 10ft Length
3 Year Engine Warranty & 1 Year Product Warranty



36" & 46" Concrete Power Trowel
Part#: TPT36H/K & TPT46H/K

6 HP/14HP Kohler & 5.5HP/8.5HP Honda Engines
Adjust trowel blade pitch from 0-28°
60-115 RPM rotor speed for superior concrete finishes
Includes float pan and trowel blades
3 Year Engine Warranty & 1 Year Product Warranty



8" Gas Powered Concrete Scarifier
Part#: TSCAR8H

5.5 HP Honda GX160 Engine
Remove traffic lines at 800 - 1,000 linear ft/hr
Tungsten Carbide Blade Kit Available
OSHA approved dust port for silica vacuum removal
3 Year Engine Warranty & 1 Year Product Warranty

HAVE QUESTIONS?

Contact us. *We're here to help!*

Email us at sales@tomahawk-power.com



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10% OFF YOUR ORDER AT

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POWER / WELDING

INVERTER SERIES



2000 Watt Inverter Generator
Part#: TG2000I

2000 Max Watts, 1600 Rated Watts
Run Time of 8 hours on 1 gallon of gas
OSHA and GFCI Compliant
Parallel technology capable for double the power
2 Year Product Warranty

INVERTER SERIES



210 Amp Portable Welder Generator
Part#: TWG210A

Steady 50 - 210 Amp DC welding output
60% Duty Cycle for extended use
Suitable for welding rods from 6010 to 7024
Electric Key Start with battery included
2 Year Product Warranty



7000 Watt Generators
Part#: TG7000

7000 Max Watts, 5500 Rated Watts
Voltage Selector gives Full Wattage for 120V or 240V
Run Time of 8 hours at 50% Load
OSHA and GFCI Compliant
2 Year Product Warranty

PEST CONTROL



3.7 Gallon 3HP Backpack Fogger
Part#: TMD14

Turbo Boosted Pump with 40ft + Horizontal Reach
Sprays 1 acre in 30 minutes
10X Faster than Manual Pump Sprayers
Converts to Leaf Blower with 200 MPH Air Velocity
1 Year Product Warranty



4.75 Gallon Battery Power Sprayer
Part#: eTPS18

Reach Up to 30ft Horizontal Reach
Sprays 6000 sq ft in 10 minutes
10X Faster than Manual Pump Sprayers
70 PSI Commercial Grade Pump
1 Year Product Warranty



5 Gallon Backpack Power Sprayer
Part#: TPS25

Reach Up to 30ft Horizontal Reach
Sprays acres in 10 minutes
10X Faster than Manual Pump Sprayers
50-435 Adjustable PSI Commercial Grade Pump
1 Year Product Warranty

AND MORE



4 Gal. Backpack Fertilizer Spreader
Part#: TGS30

Reach up to 30ft Horizontally
Sprays 1 acre in 30 minutes
20X Faster than push spreaders
Converts to Leaf Blower with 200 MPH Air Velocity
1 Year Product Warranty



3" Full Trash Water Pump
Part#: TW3H

Moves liquids at a rate up to 375 gal/min
Handle solids up to 1.5"
Silicone carbide seals and a chrome plated volute
8 HP engine protected by rugged all purpose frame
3 Year Engine Warranty & 1 Year Product Warranty



Commercial 38" Push Sweeper
Part#: TOS38

Collect up to 14.5 gallons of dust and debris
Can be used indoors & outdoors on wet or dry surfaces
Includes integrated airflow control and fine dust filter
Lightweight design, capable of fitting through doorways
1 Year Product Warranty

ASSEMBLED IN THE
USA
PARTS SOURCED GLOBALLY

* All coupons in this manual are valid only for orders placed on www.tomahawk-power.com, unless otherwise noted. Coupon codes may only be used once per customer and may not be combined with any other offer. Coupons may expire at any time without notice.

(866) 577-4476

www.tomahawk-power.com





Power Your World

Tomahawk understands to keep a job-site running smoothly the proper equipment and spare parts are needed at the drop of a hat. With same day shipping and faster delivery times, count on Tomahawk to keep you powered throughout the day! With long lasting parts and engines, Tomahawk equipment will be the star of your fleet for years to come. Visit www.tomahawk-power.com to get started today!

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San Diego, CA

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