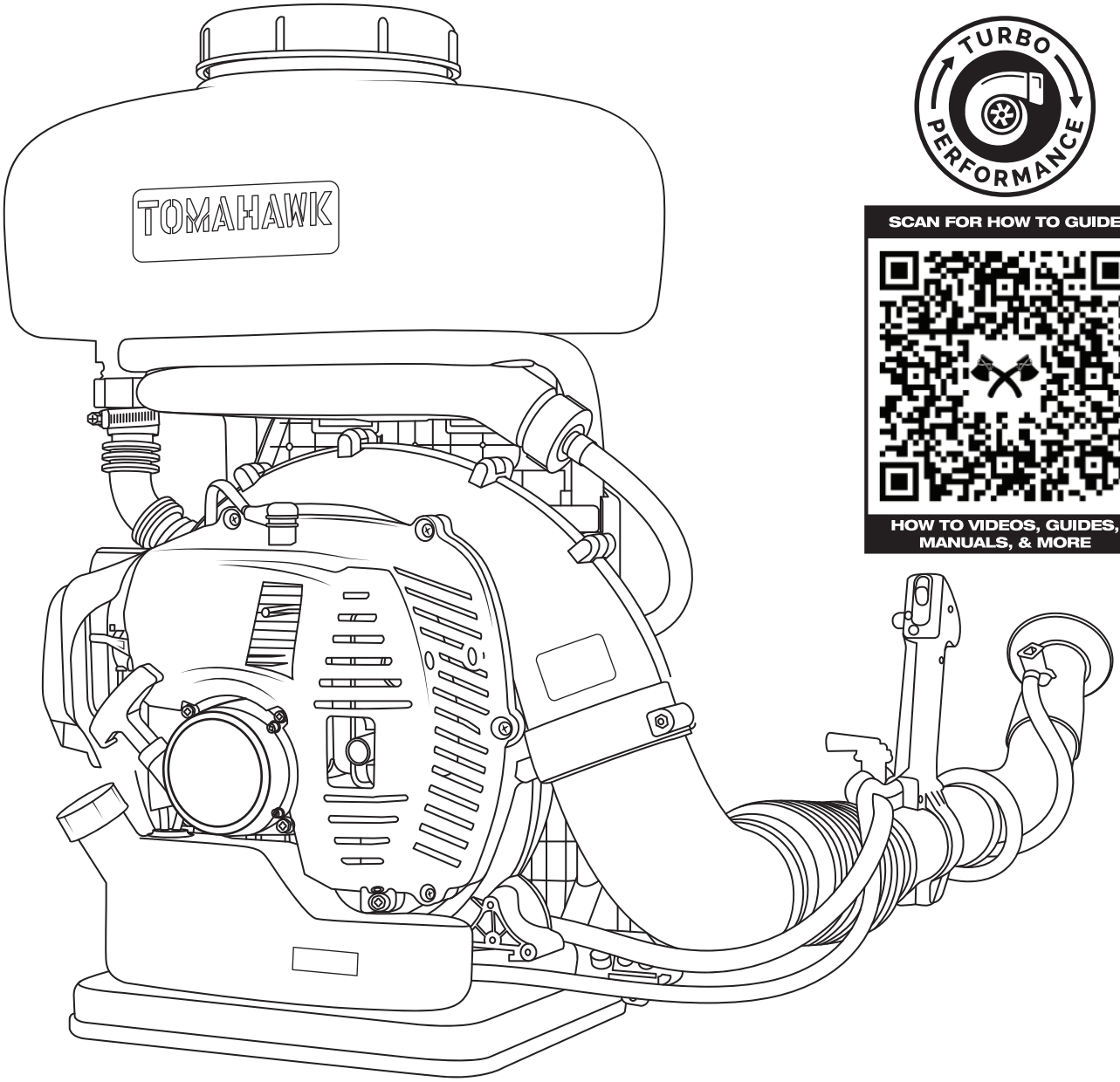
TOMAHAWK

3.7 GALLON MOSQUITO FOGGER

MODEL NUMBER: TMD14

Operation Manual



TURBO PERFORMANCE

SCAN FOR HOW TO GUIDE

HOW TO VIDEOS, GUIDES, MANUALS, & MORE

1 YEAR EQUIPMENT WARRANTY

CALIFORNIA AIR RESOURCES BOARD

EPA

To reduce the risk of injury, the user must read and understand the Operator's Manual before using this product. Save these instructions for future reference.

TOMAHAWK

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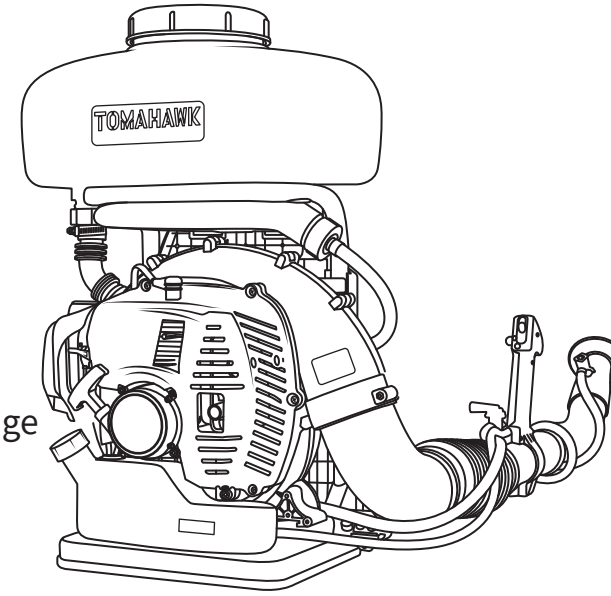
Register Your Equipment

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 equipment. 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 equipment. If you lose this manual or need an additional copy, please contact Tomahawk Power LLC or visit www.tomahawk-power.com This equipment 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, contact Tomahawk Power.

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

1. SAFETY INFORMATION

This manual contains DANGER, WARNING, CAUTION, and NOTE call-outs 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.

CAUTION: Used without the safety alert symbol, **CAUTION** indicates a potentially hazardous situation which, if not avoided, may result in property damage.

1.1 Laws Pertaining to Spark Arresters

Notice: State Health Safety Codes and Public Resources Codes specify that in certain locations spark arresters be used on internal combustion engines that use hydrocarbon fuels. A spark arrester is a device designed to prevent accidental discharge of sparks or flames from the engine exhaust. Spark arresters are qualified and rated by the United States Forest Service for this purpose.

In order to comply with local laws regarding spark arresters, consult the engine distributor or the local Health and Safety Administrator.

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 touch the engine or muffler while the engine is on or immediately after it has been turned off. These areas get hot and may cause burns.
1.2.3 NEVER use accessories or attachments that are not recommended by Tomahawk Power. Damage to equipment and injury to the user may result.
1.2.4 NEVER leave machine running unattended.
1.2.5 ALWAYS be sure operator is familiar with proper safety precautions and operation techniques before using machine.
1.2.6 ALWAYS wear ANSI Z87.1-approved safety goggles or safety glasses with side shields, or when needed, a face shield. Use a dust mask in dusty work conditions. Also use non-skid safety shoes, hardhat, gloves, dust collection systems, and hearing protection when appropriate. This applies to all persons in the work area.
1.2.7 ALWAYS close fuel valve on engines equipped with one when machine is not being operated.
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 Safety while using Combustion Engines

Internal combustion engines present special hazards during operation and fueling! Read and follow warning instructions in engine owner's manual and safety guidelines below. Failure to follow warnings and DANGER safety guidelines could result in severe injury or death.

1.3.1 DO NOT run machine indoors or in an enclosed area such as a deep trenches unless there is adequate ventilation, through such items as exhaust fans or hoses are provided. Gasoline exhaust from the engine contains poisonous carbon monoxide gas; exposure to carbon monoxide can cause loss of consciousness and may lead to death.
1.3.2 DO NOT smoke while operating machine.
1.3.3 DO NOT smoke when refueling engine.
1.3.4 DO NOT refuel hot or running engine.
1.3.5 DO NOT refuel engine near open flame.
1.3.6 DO NOT spill fuel when refueling engine.
1.3.7 DO NOT run engine near open flames.
1.3.8 ALWAYS refill fuel tank in well-ventilated area.
1.3.9 ALWAYS replace fuel tank cap after refueling.
1.3.10 ALWAYS check fuel lines and fuel tank for leaks and cracks before starting engine.
1.3.11 DO NOT run machine if fuel leaks are present or fuel lines are loose.

1.4 Service Safety

Poorly maintained equipment can become a safety hazard! In order for the equipment to operate safely and properly over a long period of time, periodic maintenance and occasional repairs are necessary.

1.4.1 DO NOT attempt to clean or service machine while it is running. Rotating parts can cause severe injury.
1.4.2 DO NOT crank a flooded engine with the spark plug removed on gasoline-powered engines. Fuel trapped in the cylinder will squirt out the spark plug opening.
1.4.3 DO NOT test for spark on gasoline-powered engines, if engine is flooded or the smell of gasoline is present. A stray spark could ignite fumes.
1.4.4 DO NOT use gasoline or other types of fuels or flammable solvents to clean parts, especially in enclosed areas. Fumes from fuels and solvents can become explosive.
1.4.5 ALWAYS keep area around muffler free of debris such as leaves, paper, cartons, etc. A hot muffler could ignite them, starting a fire.
1.4.6 ALWAYS replace worn or damaged components with spare parts designed and recommended by Tomahawk Power.
1.4.7 ALWAYS disconnect spark plug on machines equipped with gasoline engines, before servicing, to avoid accidental start-up.
1.4.8 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.
1.4.9 ALWAYS check for damaged parts before each use. Carefully check that the trowel will operate properly and perform its intended function. Replace damaged or worn parts immediately. Never operate the trowel with a damaged part.

1.5 Chemical Handling

FOR USE WITH WATER-BASED OR WATERBORNE COMPOUNDS ONLY. DO NOT USE EQUIPMENT WITH SOLVENT-BASED OR EXPLOSIVE LIQUIDS. FAILURE TO COMPLY MAY CAUSE SERIOUS BODILY HARM OR DEATH. READ ALL CHEMICAL MANUALS BEFORE OPERATION.

1.5.1 ALWAYS wear eye protection when handling chemicals.
1.5.2 ALWAYS wear the proper protective equipment/clothing when handling chemicals. Proper protective equipment includes safety goggles or glasses, mask/respirator, and a long-sleeved shirt and long pants.
1.5.3 ALWAYS use mask to protect mouth and face from dust and/or pesticide when handling chemicals.
1.5.4 ALWAYS after spraying, wash hands and clothing immediately.

2. GENERAL INFORMATION

2.1 Design and Features

Tomahawk Foggers are your best solution for fighting annoying mosquitoes. Great for year-round use, this fogger is perfect for applying pesticides in the spring and summer, and excellent leaf blowing solution in the Autumn and Winter.

2.2 TOMAHAWK® Engine

The ultra-lightweight, 2-Stroke, 3HP engine efficiently delivers the power and performance that you'd expect from a larger engine – but in a very compact package.

2.3 Spraying Accessories

Visit www.tomahawk-power.com for a wide assortment of attachments and spraying nozzles.

2.4 Specifications

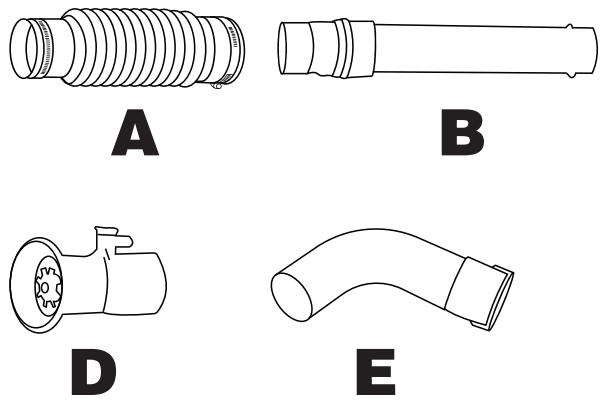
Model	TMD14
Engine	3HP 2 Stroke Engine
Displacement	63.3 cc
Chemical Tank	3.7 gal (14l)
Fuel Capacity	1.1 qt
Horizontal Reach	40ft (12.1m)
Vertical Reach	25+ft (7.6+m)
Coverage by ft²	75 ft² per fluid oz
Coverage by Acre	1.5 tanks per acre
Flow	.2 - .5 GPM
Air Speed	220 MPH (354KPH)
Air Volume	490 CFM
MPA	1.0 - 2.5
Droplet Size	Adjustable from 50-100 microns
Start Type	Recoil Cord
Fan Rotation Speed	7300 RPM
Weight	38 lbs (17.2kg)
Dimensions	21x17x26 in (53.3x43.1x66 cm)
Recommended Fuel	50:1 Pre-Mix (Not Included)

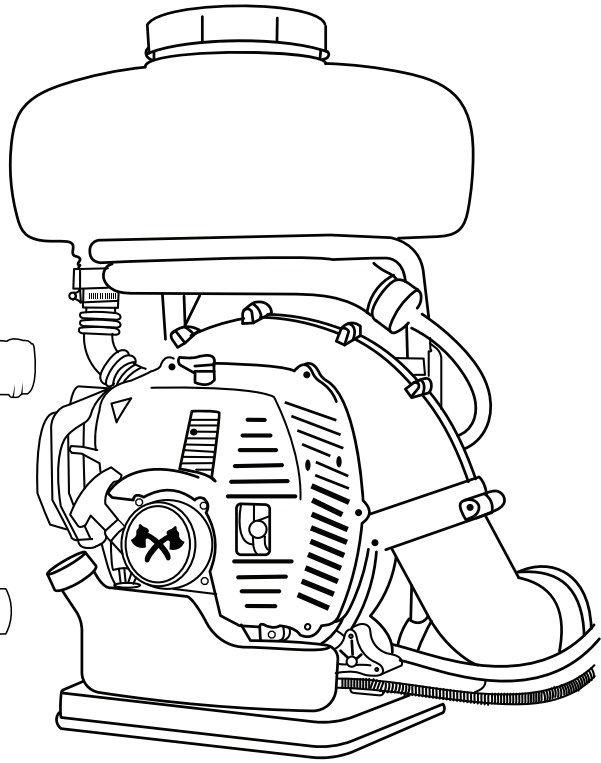
3. ASSEMBLY

3.1 Fogger Parts

Remove all parts from the packaging. You **will not** need all parts for this set up.

- **A Ribbed Tube**
- **B Connecting Pipe**
- **C Blower Pipe**
- **D Fan Nozzle**
- **E Optional: Tree Top Nozzle**
- **F Optional: Extension Pipe**

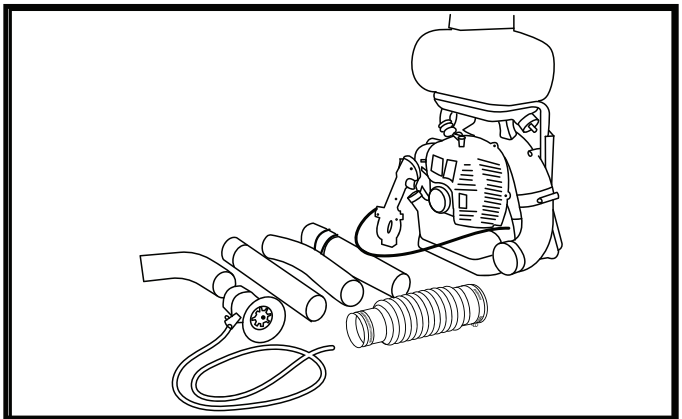




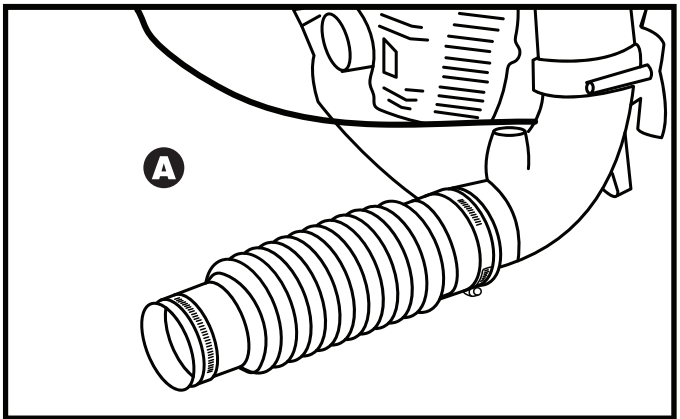
Additional Parts

Throttle Handle
Clear Tubes
Fastening Screw
Backpack Straps
Tool Kit
Hose Clamps

3.2 Assembly Guide

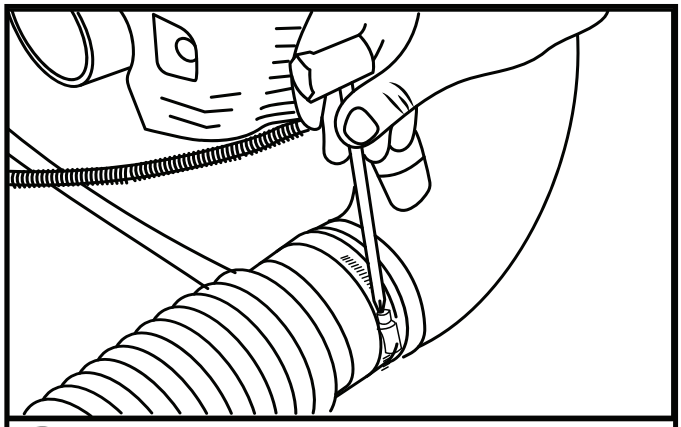


1 Remove all parts from the fogger box, including the tool kit bag.

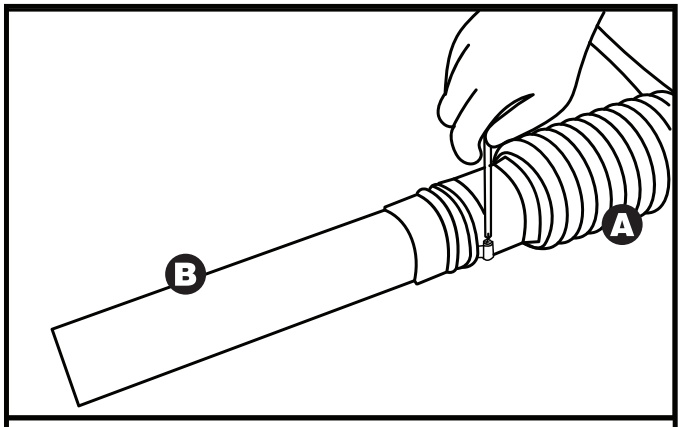


2 Fasten the ribbed tube (A) to the blower elbow.

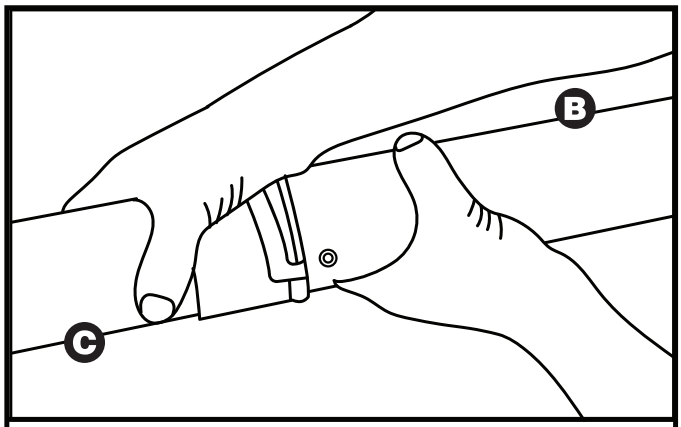
3.2 Assembly Guide Continued



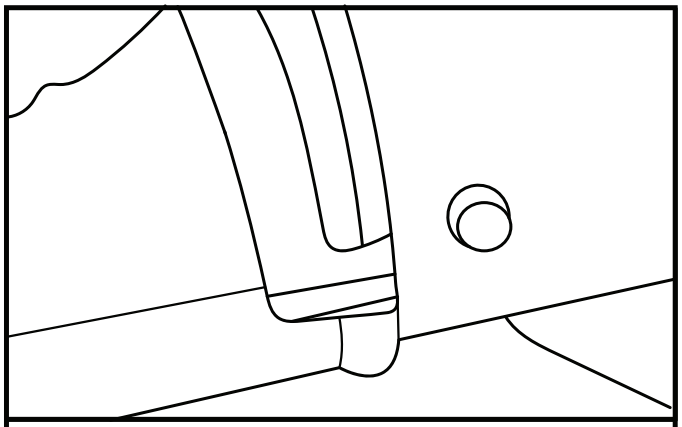
3 Secure the ribbed tube with a hose clamp to the blower elbow.



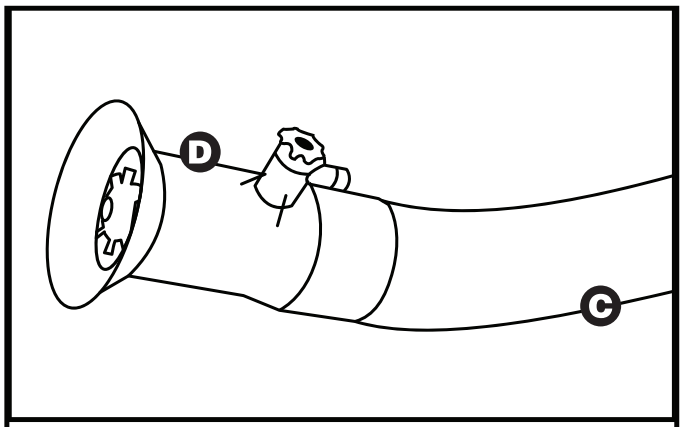
4 Attach the connecting pipe (B) and secure it to the ribbed tube with a hose clamp.



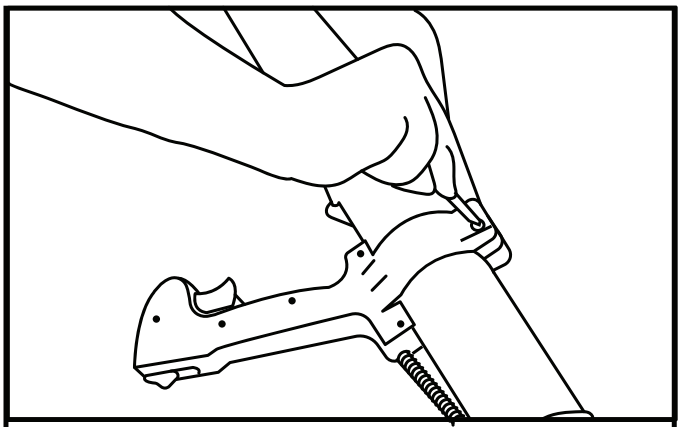
5 Attach the blower pipe (C) by meeting the raised dimple to the slot guide.



6 Twist to lock in place.

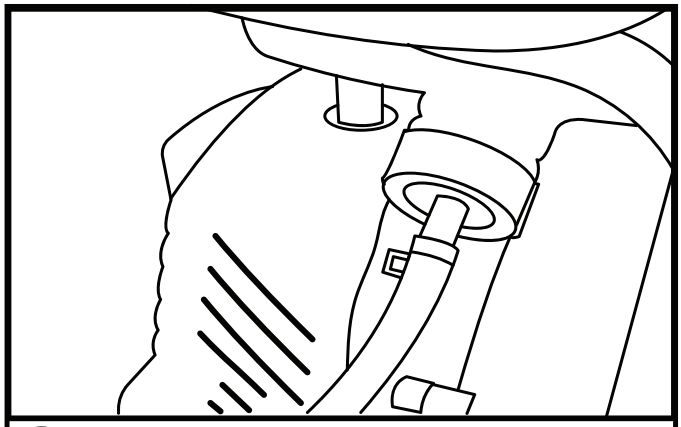


7 Attach the fan nozzle (D) to the end of the blower pipe.

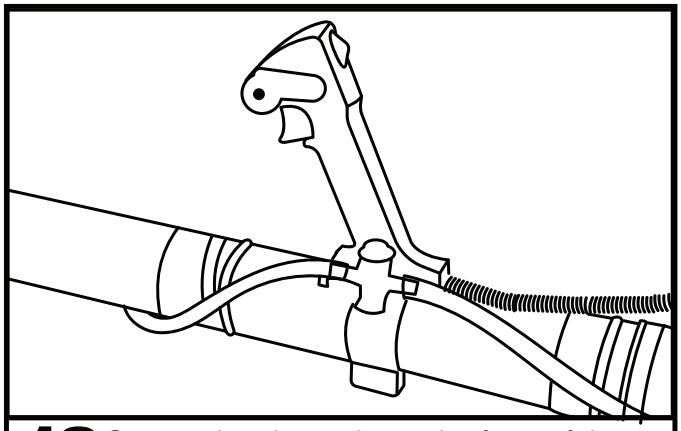


8 Slip the throttle handle over the connecting pipe (B) and tighten with the tool kit's screw.

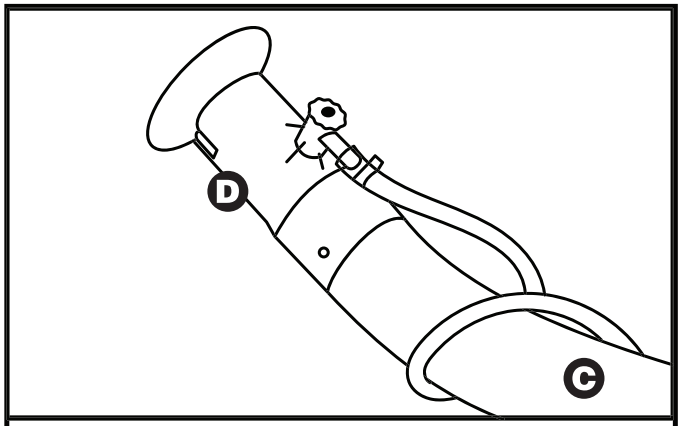
3.2 Assembly Guide Continued



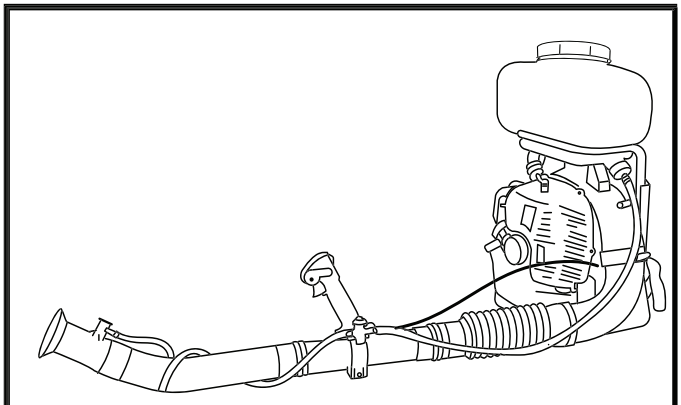
9 Attach the tube from the turbo pump to the back of the throttle handle.



10 Secure the clear tube to the front of the throttle handle.



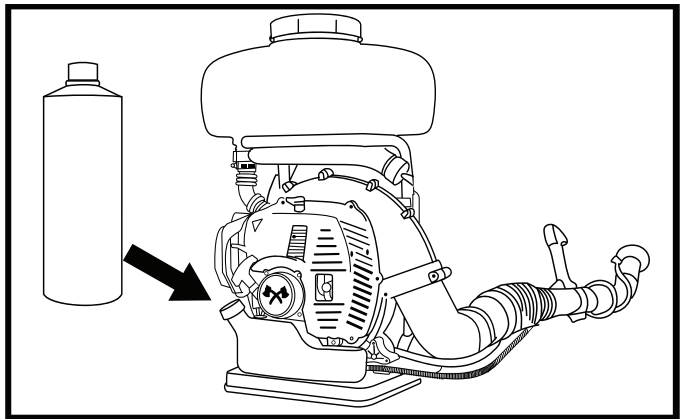
11 Wrap the clear tube around the blower pipe (C) and attach its end to the fan nozzle (D).



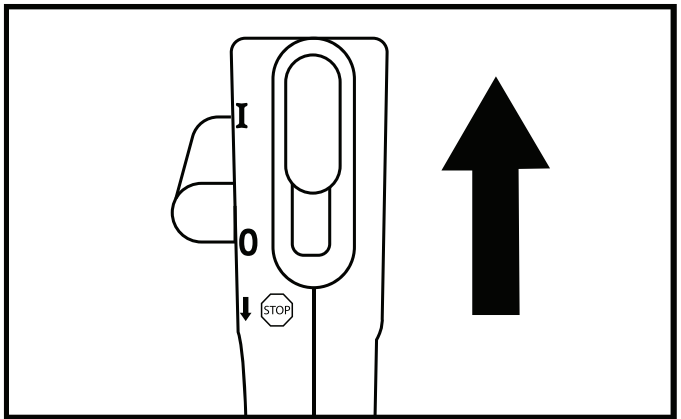
12 To begin fogging, add 50:1 Pre Mix Fuel. (fuel not included)

4. OPERATION

4.1 Start Up Guide

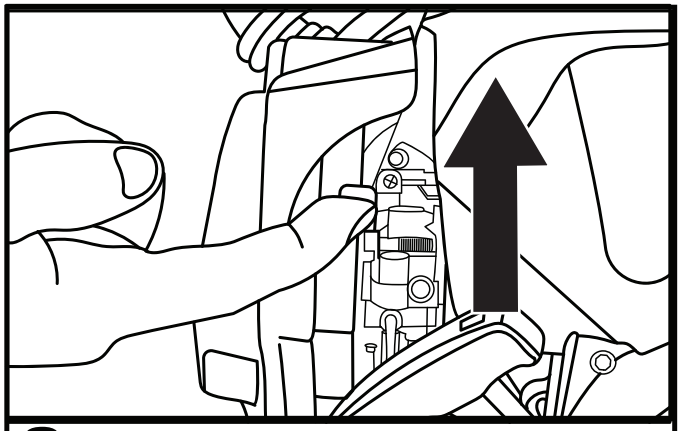


1 Fill the fuel tank with a 2 stroke 50:1 Pre Mix Fuel for the optimal engine efficiency.

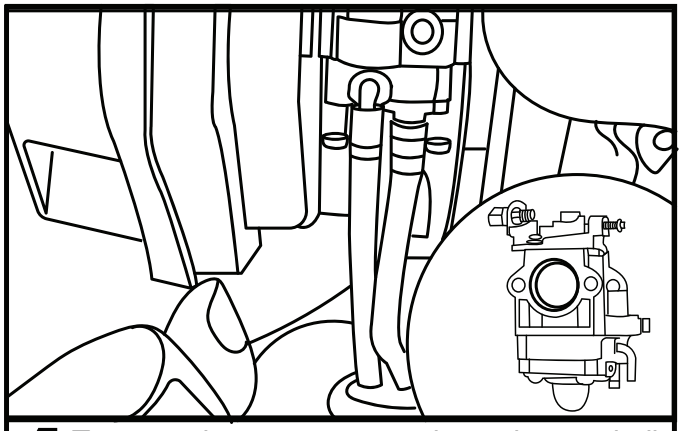


2 Move the throttle handle to the On Position labeled " I "

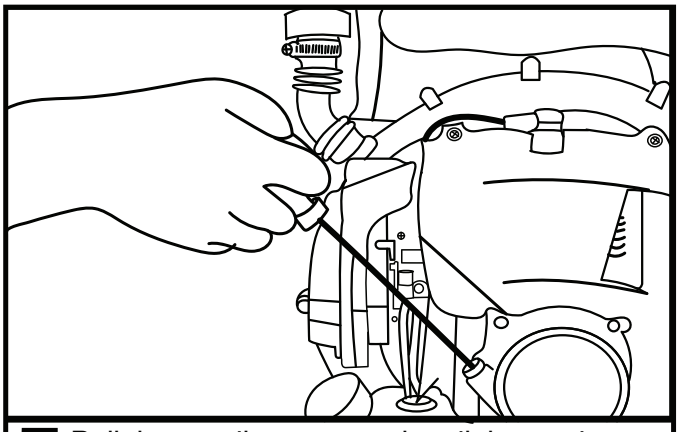
4.1 Start Up Guide Continued



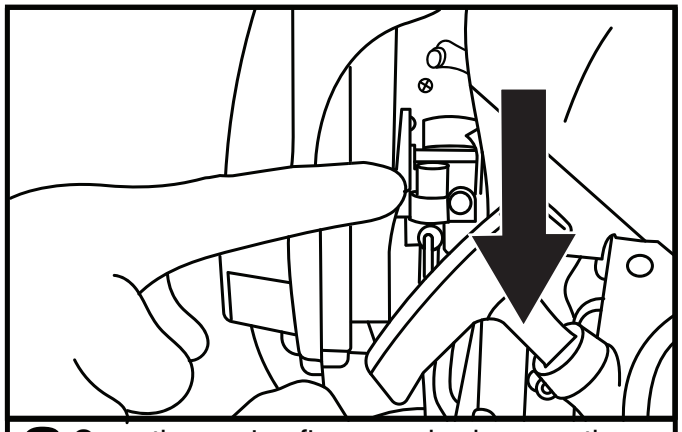
3 Move the choke to the up position.



4 To prime the engine, press the carburetor bulb 4-5 times or until fuel runs through the lines.



5 Pull the recoil starter cord until the engine turns over and starts.



6 Once the engine fires up, slowly move the choke to the down position.

4.2 Stopping the Engine

4.2.1 Move the water valve to the closed position to stop the flow of liquid pesticide. See Figure 1&2.

4.2.2 Move the throttle lever to the down position (O) to stop the engine. See Figure 2&3.

4.2.3 Ensure the choke is in the the closed position. See Figure 4.

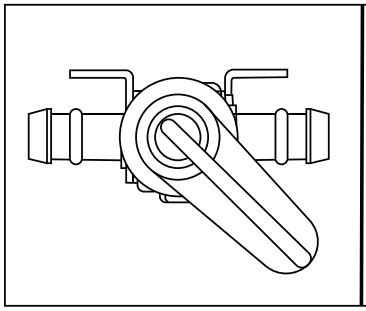


FIGURE 1

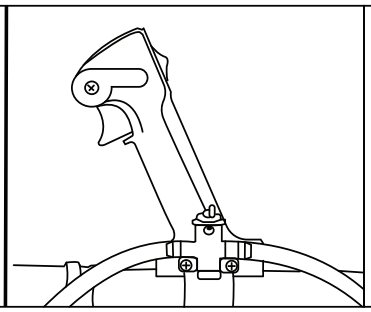


FIGURE 2

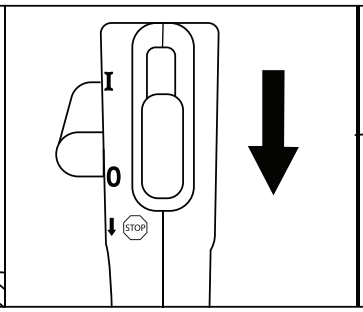


FIGURE 3

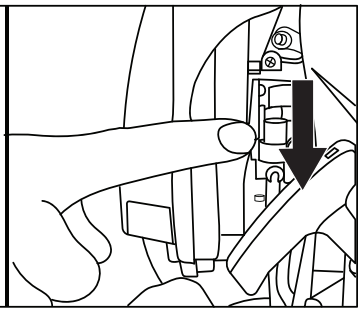


FIGURE 4

5. ADDING CHEMICALS

Some chemicals sprayed with the fogger can contain toxic substances which can lead to serious side effects and injury.

Avoid direct contact with chemicals and always follow the instructions of the chemical manufacturer. Always wear the proper clothing and chemical protection. Its important to dilute your chemicals according to the chemical manufacturers specifications. Never spray undiluted chemicals. Dilute and prepare your chemicals prior to turning on your fogger. Prepare your chemical and pour into the mist blower water tank outdoors or in a well ventilated area. After spraying, do not keep the spray solution in the tank. Properly dispose of the excess spray solution and rinse your machine after each use.

5.1 Adjusting Options

5.1.1 Droplet Size

To adjust droplet size use the water valve to increase the flow of water from the tank. Turn the knob counter- clockwise for a smaller droplet size and clockwise for a larger droplet size. See Figure 5.

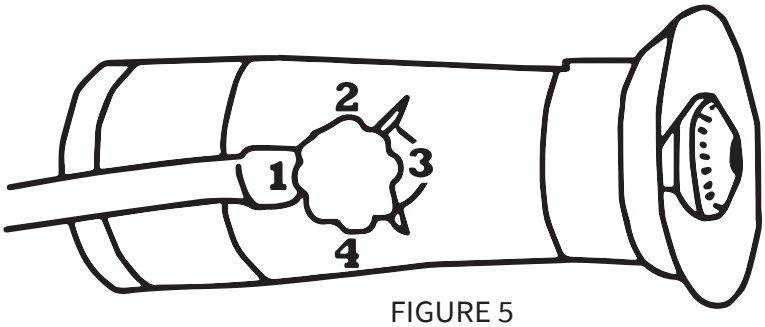


FIGURE 5

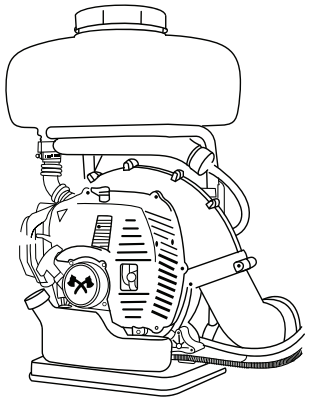
5.1.2 Water Speed

To adjust the speed of water use the throttle handle to increase the engine's speed. See Figure 2.

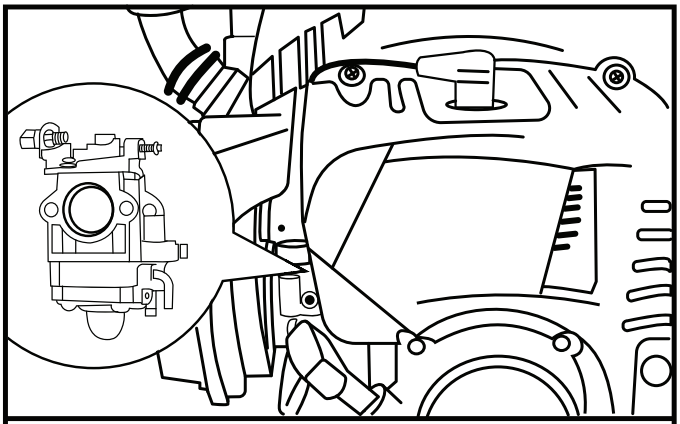
5.1.3 Water Flow

To adjust water flow use the water valve to increase the flow of water from the tank. See Figure 1.

6. CARBURETOR ADJUSTMENT GUIDE

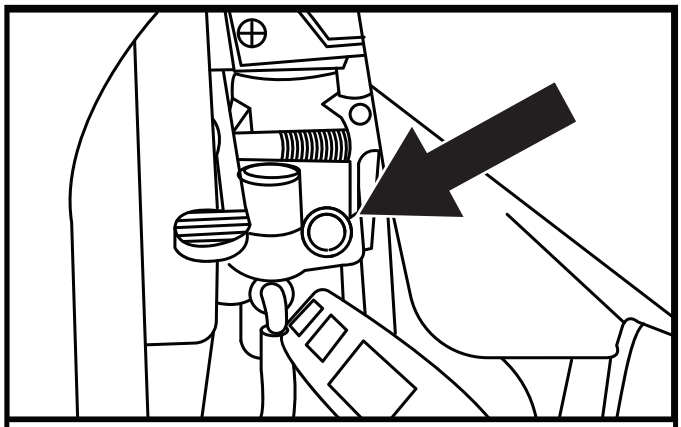


1 If your fogger engine is bogging down or only runs with the choke open, follow these steps.

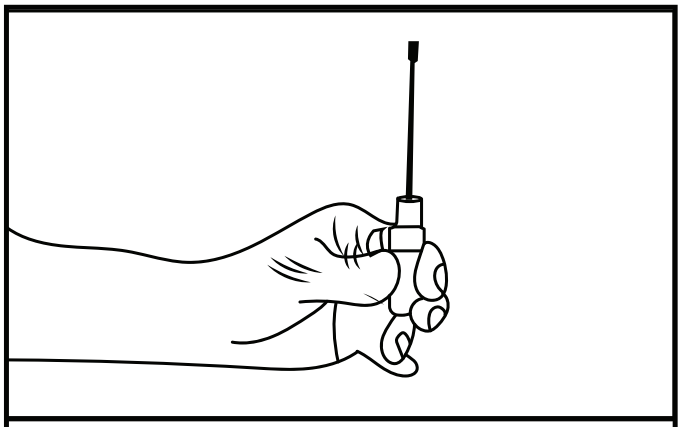


2 Identify the engine's carburetor in between the engine cover and air filter.

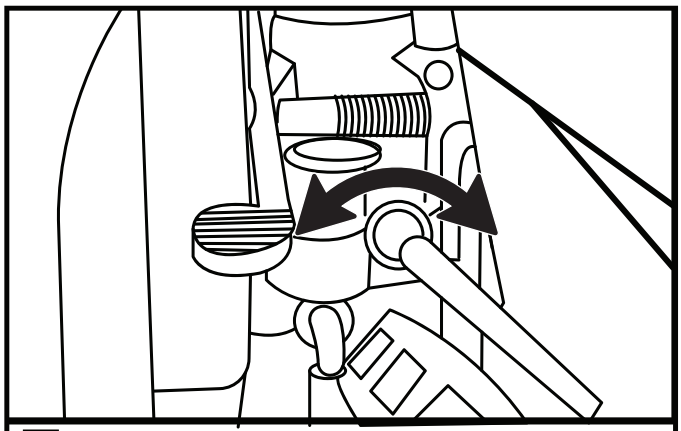
6. CARBURETOR ADJUSTMENT GUIDE CONTINUED



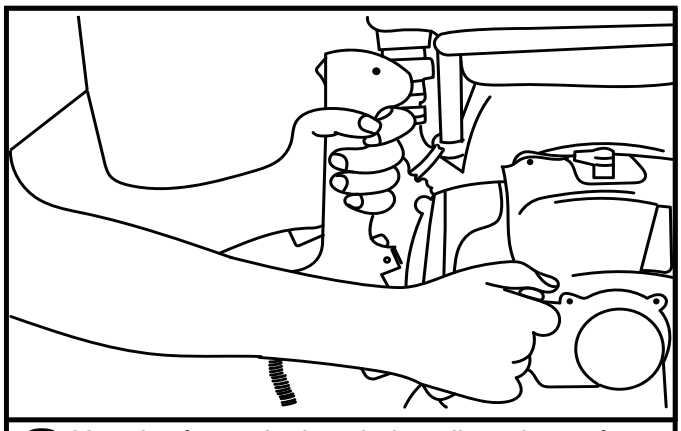
3 Tune up your carburetor by adjusting the keyhole. (pictured above)



4 Use the carburetor adjustment tool* to tune the carburetor while the engine is running.

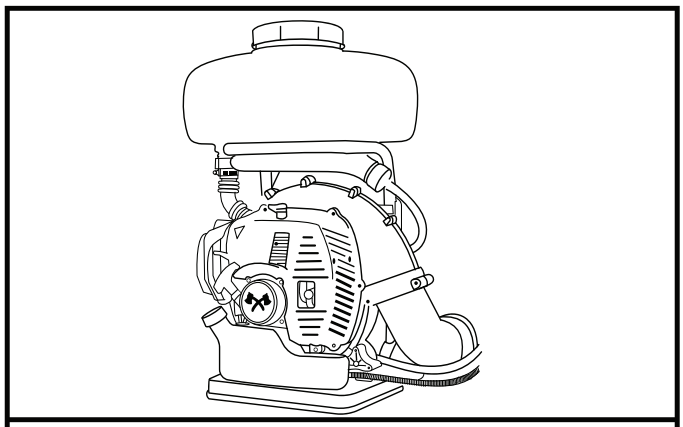


5 Turn the tool to the left or right until the engine is running correctly.

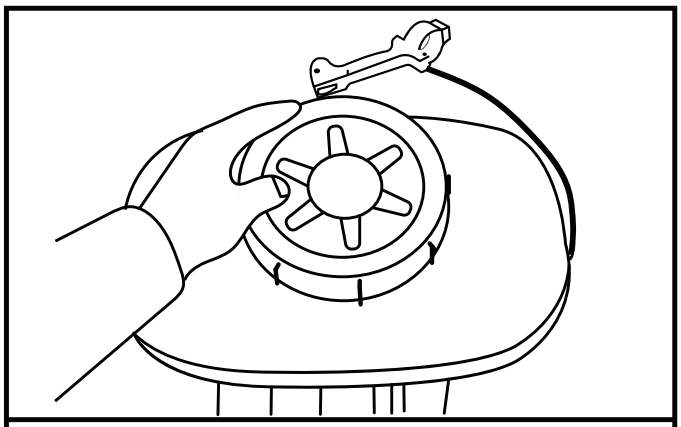


6 Use the fogger's throttle handle to listen for a high pitch, steady hum & find the right speed.

7. LEAKING TANK QUICK FIX



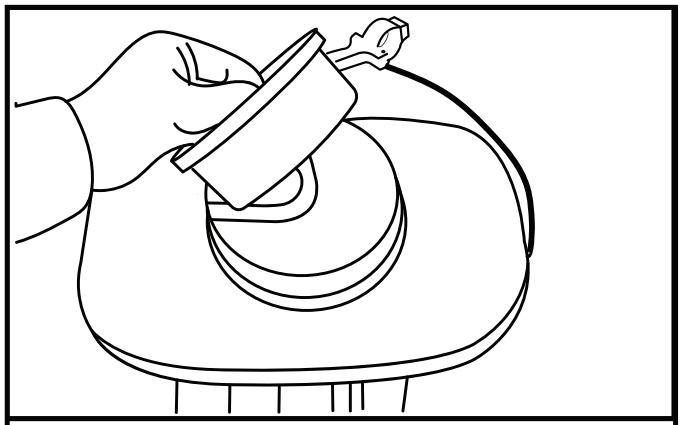
1 If your fogger tank is leaking excessively follow these steps.



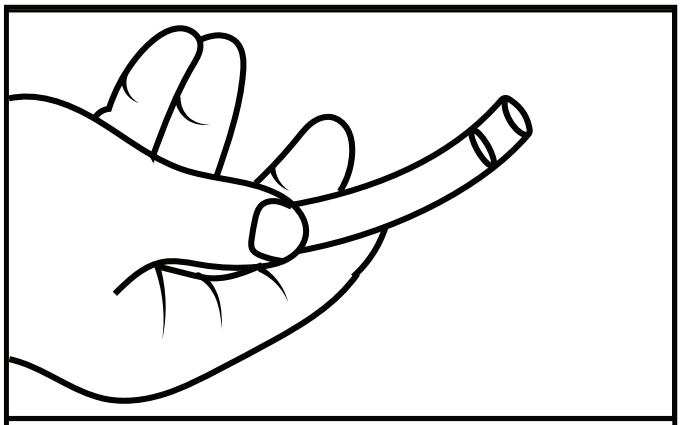
2 Remove the cap from the top of the fogger's chemical tank.

*Carburetor adjustment tool not included. Visit www.tomahawk-power.com for carburetor adjustment tools and a wide assortment of attachments and spraying nozzles.

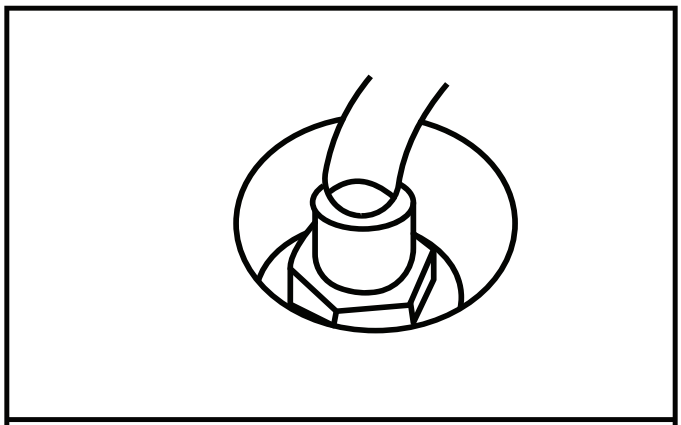
7. LEAKING TANK QUICK FIX CONTINUED



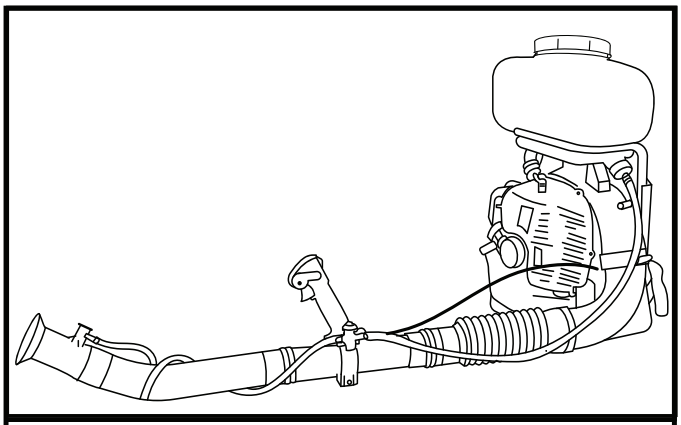
3 Leaking may be caused by the tubing attached to the strainer.



4 If the tubing is kinked, loose, or disconnected from the base of the tank, reattach the tube.



5 Fit the tube tightly around the nozzle at the base of your fogger's chemical tank.



6 Dry off your fogger throughly and fill the chemical tank with water to monitor leakage.

8. REPLACEMENT PARTS

8.1 For replacement parts and technical questions visit www.tomahawk-power.com or scan the QR code on the front of this manual.

8.2 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.

8.3 When ordering parts, the following will be required: equipment model number, serial number/lot, date code, and description. The distributor reserves the right to make design changes and/or improvements to equipment, parts, accessories, and manuals without notice.

9. WARRANTY

Your new TOMAHAWK® equipment is warranted to the original purchaser for a period of one-year (12 months) from the original date of purchase. The TOMAHAWK® warranty is against defects in design, materials and workmanship.

The following are not covered under the warranty:

9.1 Damage caused by abuse, misuse, dropping or other similar damage caused by or as a result of failure to follow assembly, operation or user maintenance instructions.

9.2 Alterations, additions or repairs carried out by persons other than TOMAHAWK® or their recognised agents.

9.3 Transportation or shipment costs to and from TOMAHAWK® or their recognised agents, for repair or assessment against a warranty claim, on any machine.

9.4 Materials and/or labor costs to renew, repair or replace components due to fair wear and tear.

9.5 TOMAHAWK® and/or their recognized agents, directors, employees or insurers will not be held liable for consequential or other damages, losses or expenses in connection with or by reason of or the inability to use the machine for any purpose.

Warranty Claims
Before submitting any warranty claim, your new TOMAHAWK® equipment should be registered through www.tomahawk-power.com. Follow the steps on page 3 to complete the equipment registration. After registration is complete, all warranty claims should firstly be directed to TOMAHAWK® through the online Service Request form found at www.tomahawk-power.com/pages/service-request.

10. MAINTENANCE

Maintain the equipment in accordance with the following recommended procedures. Refer to the engine manufacturer's instruction manual for additional information about engine maintenance. The following chart is based on a normal operation schedule.

	DAILY BEFORE STARTING	AFTER FIRST 20 HOURS OR 3 MONTHS	AFTER FIRST 50 HOURS OR 6 MONTHS	AFTER FIRST 100 HOURS OR EVERY YEAR	AFTER FIRST 200 HOURS OR EVERY 2 YEARS
Check the fuel level	●				
Inspect chemical tank & hoses	●				
Inspect the fuel lines	●				
Inspect the air filter and replace if needed	●				
Check and tighten the external hardware	●				
Flush pump and hoses with clean water to clear system.	●				
Clean the air filter			●		
Change the engine oil			●		
Check and clean the spark plug			●		
Clean the fuel strainer				●	
Check and adjust the valve clearance					●
Clean the cylinder head					●
Replace the spark plug					●

11. TROUBLESHOOTING

PROBLEM	CAUSE	SOLUTION
Fails to Start	Failed to push fuel-injecting pump	Push fuel-injecting pump until fuels runs through lines
	Water mixed with fuel	Replace the fuel
	Deterioration of spark plug or carbon build up	Replace the spark plug
	Bad contact between spark plug and lead wire	Check the spark plug
It starts but cannot run at high speed	The choke is the fully open	Open to full position
	Wrong ratio of fuel	Replace
	Water In Fuel	Replace the fuel
It runs but does not work efficiently	The air filter is dirty	Check and clean
	Outlet of cylinder and muffler are dirty	Remove the dirt
	Piston, piston ring, and/or cylinder have been worn	Replace
Stops while running	Fuel is out	Add fuel (50:1 premix)
	The lead wire of the plug is loose	Check and replace
	Spark plug is covered with carbon	Replace the spark plug
	The filter is clogged	Clean
	Water in fuel	Replace fuel (50:1 premix)
	Engine bogging down	Adjust carburetor

11. TROUBLESHOOTING CONTINUED

PROBLEM	CAUSE	SOLUTION
Liquid does not spray out	Inlet and/or outlet valves are blocked	Replace or Clean
	Washer is damaged	Replace
	Bearing is damaged	Replace
	Piston is damaged	Replace
Low or no pressure spraying	Not enough pressure	Regulate
	Not enough elastic force regulating spring	Replace
	Corrosion resistant steel ball worn	Replace
	Turbo boost pump broken	Replace
Pressure is fine but spraying is low	Piston is worn	Replace
	Piston running distance is not enough	Replace
	Inlet valve and outlet valve are worn	Replace
	Spraying parts are clogged	Clean
Spraying mist is low	The holes of spraying sheet are worn	Replace
	Spraying parts are clogged	Clean

12. TRANSPORTATION & STORAGE

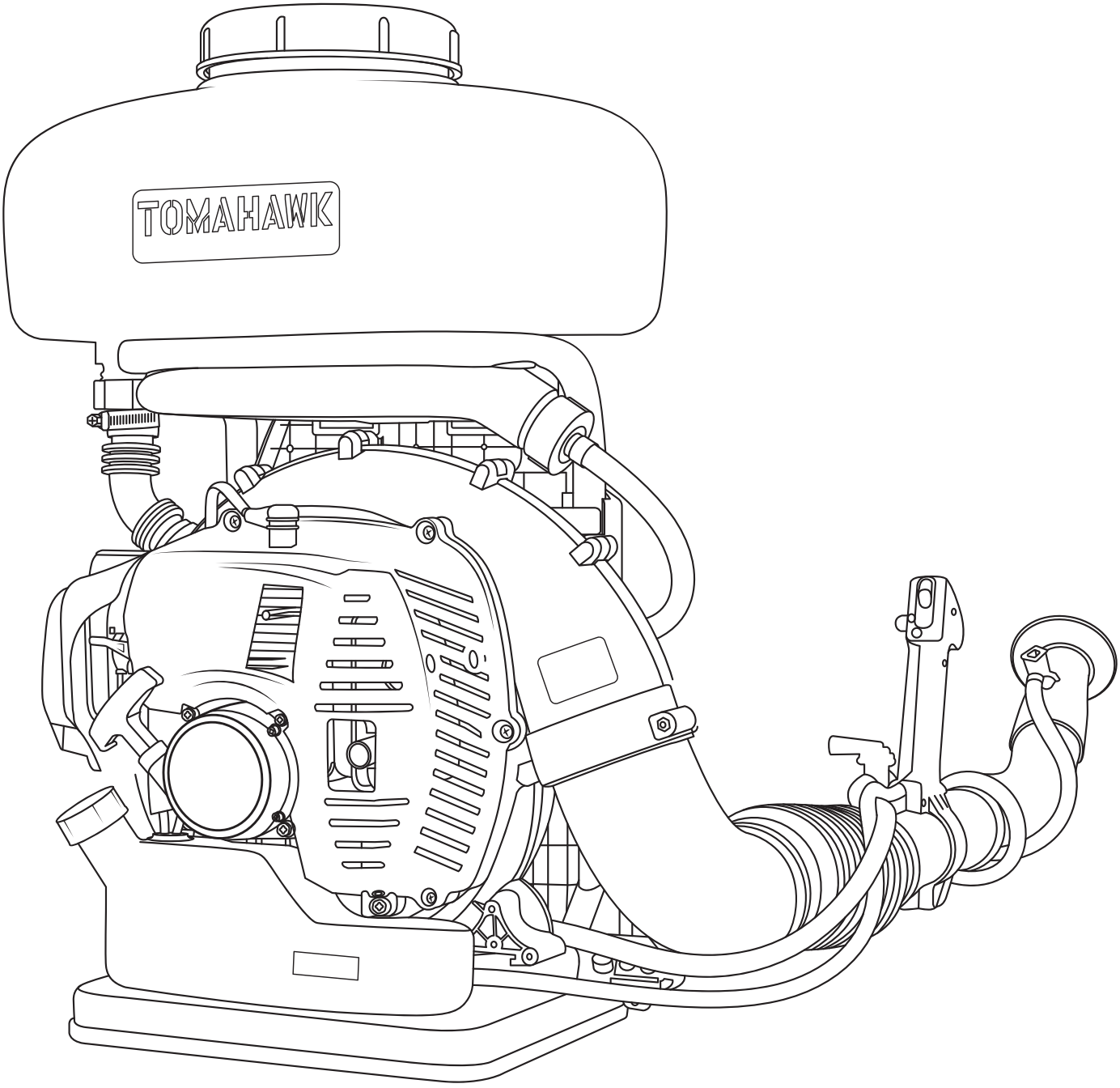
12.1 Empty the tank of all chemicals and flush the system and hoses with 2 tanks of clean water.
12.2 Secure the equipment during transportation in order to avoid transport damage.
12.3 For longer storage periods, drain the fuel tank and run the engine until it stalls to eliminate any remaining fuel in the carburetor. Apply a light coat of oil to the cylinder and spark plug hole.
12.4 ALWAYS Store the equipment upright, in a lockable, dry area - out of reach of children and unauthorized persons.

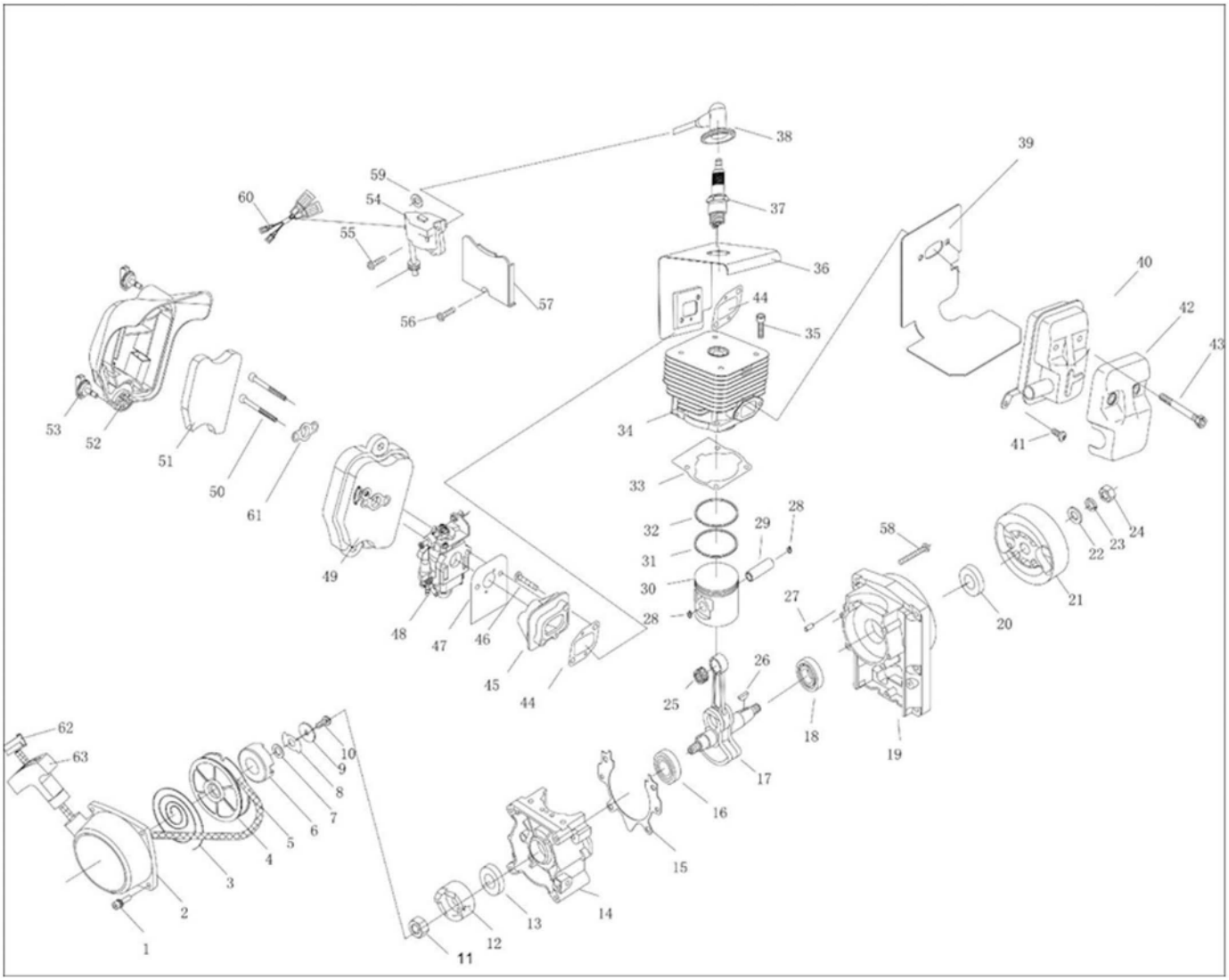
TOMAHAWK

3.7 GALLON MOSQUITO FOGGER

MODEL NUMBER: TMD14

Parts Manual

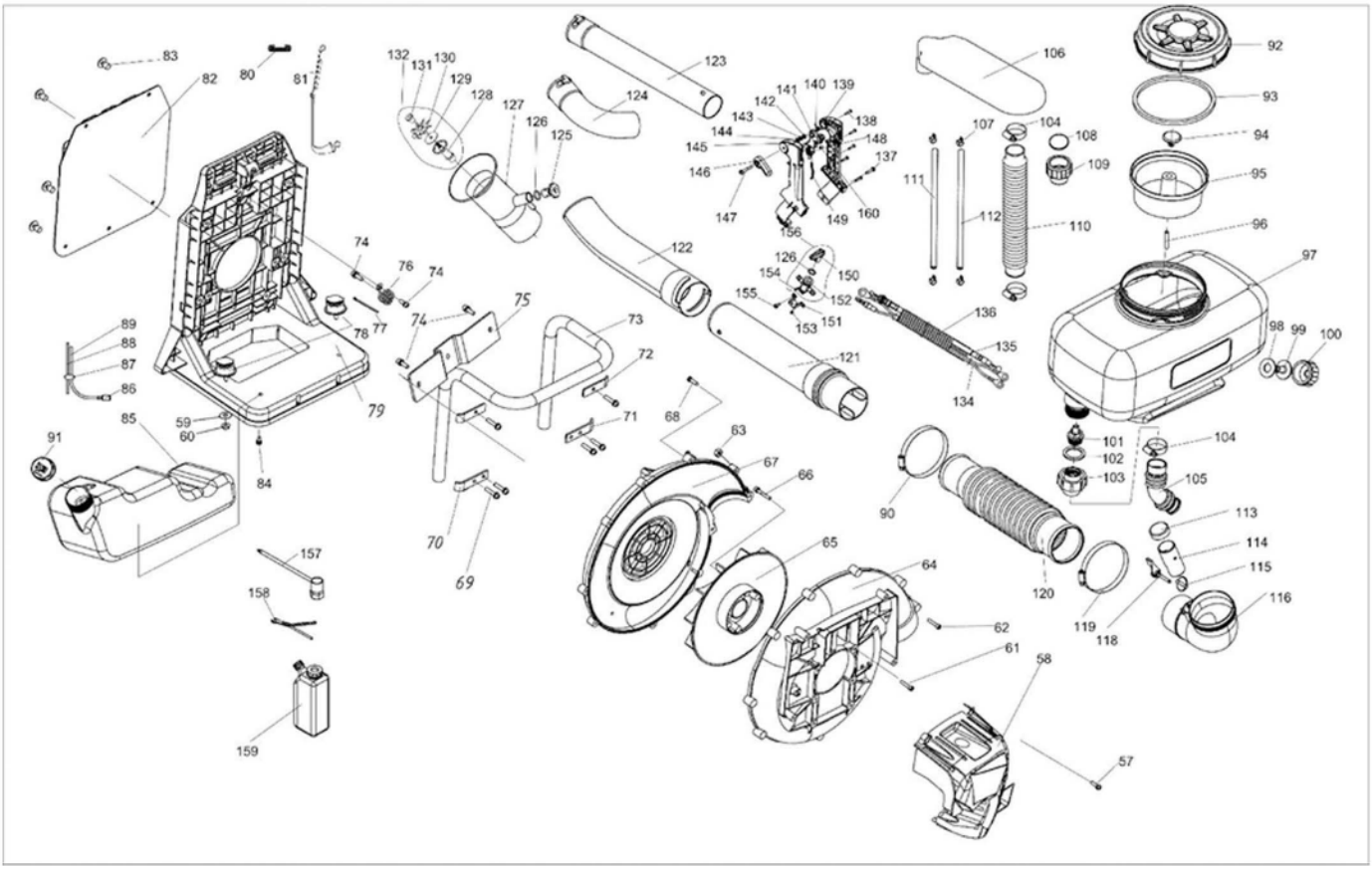




NO.	Part NO.	Part Name	Qty.
1	GB/T70.1+GB93+GB97	Screw M5X18	4
2	1E40FP-3Z.4-1	Case	1
3	1E40FP-3Z.4-7	Spring	1
4	1E40FP-3Z.4-6	Pulley	1
5	1E40FP-3Z.4-9	Rope	1
6	1E40FP-3Z.4-8	Start Wheel	1
7	GB860 8	Washer	1
8	1E40FP-3Z.4-5	Guide Slice	1
9	1E40FP-3Z.4-4	Washer	1
10	GB67 M5X12	Screw	1
11	GB6170 M8	Nut	1
12	3WF-960.1-2	Ratchet	1
13	1E36F.2	Oil-Seal	2
14	1E40F-E.6-2	Crank Case	1
15	1E40F-5.8-4	Gasket	1

NO.	Part NO.	Part Name	Qty.
16	GB/T276	Bearing 6202/P6	1
17	EB-500-E.1.2.1	Crank Shaft	1
18	GB/T276	Bearing 6202/P6	1
19	EB-500-E.1.3-1	Crank Case	1
20	1E40F-5.9	Oil-Seal	1
21	1E46FP.1.1	Fly Wheel	1
22	GB96 8	Washer	1
23	GB96 8	Washer	1
24	GB6170 M8	Nut	1
25	1E44F-2A.2-3	Bearing	1
26	GB1099	Key 3X5X13	1
27	GB119	4H8×10	1
28	P40.6-4	Ring	2
29	1E44F-2A.2-2	Piston Pin	1
30	1E44F-E.3-1	Piston	1
31	1E44F-2A.2-4	Piston Ring	1
32	1E44F-2A.2-4	Piston Ring	1
33	1E40F-5-6	Gasket	1
34	EB-500-E.1-2	Cylinder	1
35	GB70.1	Screw M5X20	4
36	EB-500-E.1-1	Mantle	1
37	RCJ6Y	Spark Plug	1
38	1E46FP.1-1	Plug Cap Ass.	1
39	EB-500-E.1-4	Gasket	1
40	EB-500-E.1.1	Muffler	1
41	GB/T70.1+GB93+GB97	Screw M5×12	1
42	EB-500-E.1-3	Muffler Shield	2
43	GB70.1+GB97	Screw M6×60-12.9	2
44	1E40F-5-2	Gasket	2
45	1E44F-E-PBJ.7	Admitting Pipe	1
46	GB70.1 5*25	Screw	2
47	EB-500-E.1-5	Gasket	1
48	1E48FP-E.4	Carburetor	1
49	EB-500-E.1.6.1	Cleaner Inside Cover	1
50	GB70.1+GB93+GB97	Screw M5×55	2
51	EB-500-E.1.6-3	Filter Net	1
52	EB-500-E.1.6-1	Cleaner Outside Cover	1
53	1E34F.1.2A	Screw	2
54	1E46FP.1.1	Ignition Coil Comp.	1
55	GB/T9074.13 M4X20	Bolt	2
56	GB/T9074.4 M5X20	Bolt	1
57	1E46FP-2	Shield	1
58	GB70.1	Screw M5×30	4

NO.	Part NO.	Part Name	Qty.
59	P40-5	Washer	2
60	EB-500-E.1-6	Parking	1
61	P40.1-3	Baffle	1
62	1E40FP-3Z.4-10	Cover	1
63	1E40FP-3Z.4-3	Cover	1
64	1E40FP-3Z.4-2	Handle	1



NO.	Part NO.	Part Name	Qty.
57	3WF-20.9-2	Screw	4
58	EB-500-E-4	Protection	1
59	GB/T96	Washer 6	2
60	GB/T6177	Nut M6	2
61	GB70+GB93+GB97	Screw M6×30	6
62	GB/T818	Screw M5×70	2
63	GB/T6170	M5 Nut	2
64	EB-500-E.2-1	Volute Case	1
65	EB-500-E.2.3	Impeller	1
66	GB70+GB93+GB97	Screw	4
67	EB-500-E.2-2	Volute Case	1
68	XSS46-2.2-5	Screw	10
69	GB70+GB93+GB97	Screw	6
72	3WF-14-9	Board	2
73	3WF-14B-4A	Support	1

NO.	Part NO.	Part Name	Qty.
74	GB70+GB93+GB97	Screw	4
75	3WF-14B-3	Board	3
76	3WF-14-12	Spring	1
77	250*4.5	Line	1
78	3F-30.17	Rubber Pillar	2
79	3WF-14-7	Frame	1
80	EB-650-10	Axis	2
81	EB-650.10	Gallus	2
82	3WF-14.7	Mat	1
83	3WF-2.6B-2	Plastic Clip	5
84	GB/T9074.4 M6×12	Screw	2
85	EB-500-E.4-1	Gasoline Tank	1
86	1E34F.9.2-3D	Filter	1
87	EB-415.4.2-2	Stopper	1
88	EB-415.4.2-4	Tube(180Mm)	1
89	CG420.1.3.2-2	Tube(350Mm)	1
90	GB/T 8870	Hoopø59-ø82	1
91	1E32FL.6.2	Lid	1
92	3WF-8.1-2A	Lid	1
93	3WF-8.1-1	Sealing Washer	1
94	3WF-14.3-1	Air Valve	1
95	3WF-14.3-3	Filter	1
96	GB/T13527.1 8×1.5×500	Tube	1
97	3WF-14B.2-1	Chemcal Tank	1
98	3WF-3A.1-2	Sealing Washer	1
99	3WF-3A.1-1	Link Pipe	1
100	3WF-3A.1-3	Connector Lid	1
101	3W-16.4-2	Connector	1
102	3W-16.4-3	Sealing Washer	1
103	3W-16.4-1	Connector Lid	1
104	JB/T8870	Hoopø25-ø40	3
105	3WF-14B-5	Connector	1
106	3WF-16.2-1	Tube	1
107	3WF-3-3	Tube	4
108	3WF-950.2.1-2	Loop	1
109	3WF-950.2.1-1	Connector Lid	1
110	3WF-16.2-3	Tube	1
111	GB/T13527.1 10×1.5×830	Tube	1
112	GB/T13527.1 10×1.5×880	Tube	1
113	3WF-16.3-1	Plug	1
114	3WF-950.1.1-1	Tube	1
115	3WF-16.3.1-3	Board	1
116	3WF-14B.1.1-1	Elbow	1

NO.	Part NO.	Part Name	Qty.
118	3WF-16.3.1-2A	Switch	1
119	GB/T 8870	Hoopø78-ø102	1
120	3WF-3.19-4	Tube	1
121	3WF-2.6.4.1	Connector	1
122	3WF-2.6.4-2	Tube	1
123	3WF-2.6.4-4	Tube	1
124	3WF-2.6.4-3	Tube	1
125	3WF-3.19.3-3	Valve	1
126	GB1235 16×2.4	Sealing Washer	1
127	3WF-2.6.4.3-1	Nozzle	1
128	3WF-2.6.4.3.1.1	Nozzle	1
129	3WF-2.6.4.3.1-1	Washer	1
130	3WF-2.6.4.3.1-3	Rotation Impeller	1
131	3WF-2.6.4.3.1-2	Seat	1
132	3WF-2.6.4.3.1	Nozzle	1
133			
134	3W-15A-3	Line	1
135	3WF-14B.3.1.1	Line	1
136	CG328.1.1-4	Tube	1
137	GB/T 845	St5.5*25 Screw	1
138	GB/T 845	St4.2*19 Screw	5
139	3WF-14.5.1-2	Handgrip	1
140	3WF-14.5.1-7	Spring	1
141	3WF-14.5.1-3	Handgrip	1
142	GB/T6172.2	M6 Nut	1
143	3WF-14.5.1-8	Washer	1
144	GB/T955	Washer	1
145	3WF-14.5.1-1	Handgrip	1
146	3WF-14.5.1-10	Handgrip	1
147	3WF-14.5.1-9	Screw	1
148	3WF-14.5.1-5	Switch	1
149	3WF-14.5.1-4	Patch	1
150	3WF-3.19.1-1	Core	1
151	3WF-14.5.1.2-1	Seat	1
152	3WF-3.19.1-2	Shell	1
153	GB/T 845	St4.2X8 Screw	1
154	GB/T828	M3X5X2.5 Screw	2
155	GB/T845	St4.8*13 Screw	1
156	3WF-3.19.1	Cock Assem(No Board)	1
157	3WZ-4.15.1	Spanner	1
158	3WF-3.25.4	Chain	1
159	ZB4-10.1	Oil Bottle	1
160	3WF-14.5.1-6	Sheath	1

14. CALIFORNIA AND FEDERAL EMISSION CONTROL WARRANTY STATEMENT YOUR WARRANTY RIGHTS AND OBLIGATIONS

The California Air Resources Board, the United States Environmental Protection Agency and Tomahawk Power, LLC are pleased to explain the emissions control system warranty on your 2023-2024 small engine/equipment (SORE). In the United States and California, new small engine/equipment must be designed, built and equipped to meet the State's stringent anti-smog standards. Tomahawk Power, LLC must warrant the emissions control system on your small engine/equipment for the periods of time listed below provided there has been no abuse, neglect or improper maintenance of your small engine/equipment.

Your emission control system may include parts such as the carburetor, fuel-injection system, the ignition system, catalytic convertor, fuel tanks, fuel lines, fuel caps, valves, canisters, filters, vapor hoses, belts, clamps, connectors, and other associated emission-related components. For engines less than or equal to 80 cc, only the fuel tank is subject to the evaporative emission control warranty requirements of this section.

(California Only)
Where a warrantable condition exists, Tomahawk Power, LLC will repair your small off- road engine/equipment at no cost to you including diagnosis, parts and labor.

MANUFACTURER'S WARRANTY COVERAGE:

The emissions control system is warranted for two years. If any emissions-related part on your small engine/equipment is defective, the part will be repaired or replaced by Tomahawk Power, LLC

OWNER'S WARRANTY RESPONSIBILITIES:

As the small engine/equipment owner, you are responsible for the performance of the required maintenance listed in your owner's manual. Tomahawk Power, LLC recommends that you retain all receipts covering maintenance on your small engine/ equipment, but Tomahawk Power, LLC cannot deny warranty solely for the lack of receipts or for your failure to ensure the performance of all scheduled maintenance.
As the small engine/equipment owner, you should however be aware that Tomahawk Power, LLC may deny your warranty coverage if your small engine/equipment or a part has failed due to abuse, neglect, improper maintenance or unapproved modifications.
You are responsible for presenting your small engine/equipment to distribution center or service center authorized by Tomahawk Power, LLC as soon as the problem exists. The warranty repairs should be completed in a reasonable amount of time, not to exceed 30 days.

If you have any questions regarding your warranty rights and responsibilities, you should contact Tomahawk Power, LLC customer service representative at 1-866-577-4476 or Email: support@tomahawk-power.com .

DEFECTS WARRANTY REQUIREMENTS

(a) The warranty period begins on the date the small engine/equipment is delivered to an ultimate purchaser.
(b) General Emissions Warranty Coverage. Tomahawk Power, LLC warrants to the ultimate purchaser and each subsequent owner that the engine/equipment is:
(1) Designed, built, and equipped so as to conform with all applicable regulations adopted by the Air Resources Board; and
(2) Free from defects in materials and workmanship that causes the failure of a warranted part for a period of two years.
(c) Subject to certain conditions and exclusions as stated below, the warranty on emissions related parts is as follows:
(1) Any warranted part that is not scheduled for replacement as required maintenance in your Owner's Manual is warranted for the warranty period stated above. If the part fails during the period of warranty coverage, the part will be repaired or replaced by Tomahawk Power, LLC according to Subsection (4) below. Any such part repaired or replaced under warranty will be warranted for the remainder of the period.
(2) Any warranted part that is scheduled only for regular inspection in your Owner's Manual is warranted for the warranty period stated above. Any such part repaired or replaced under warranty will be warranted for the remaining warranty period.
(3) Any warranted part that is scheduled for replacement as required maintenance in your Owner's Manual is warranted for the period of time before the first scheduled replacement date for that part. If the part fails before the first scheduled replacement, the part will be repaired or replaced by Tomahawk Power, LLC according to Subsection (4) below. Any such part repaired or replaced under warranty will be warranted for the remainder of the period prior to the first scheduled replacement point for the part.
(4) Repair or replacement of any warranted part under the warranty provisions herein must be performed at a warranty station at no charge to the owner.
(5) Notwithstanding the provisions herein, warranty services or repair will be provided at all of our distribution centers that are franchised to service the subject small engine/equipment.
(6) The small engine/equipment owner must not be charged for diagnostic labor that leads to the determination that a warranted part is in fact defective, provided that such diagnostic work is performed at a warranty station.
(7)Tomahawk Power, LLC is liable for damages to other small engine/equipment components proximately caused by a failure under warranty of any warranted part.

(8) Throughout the small engine/equipment warranty period stated above, Tomahawk Power, LLC will maintain a supply of warranted parts sufficient to meet the expected demand for such parts.
(9) Any replacement part may be used in the performance of any warranty maintenance or repairs and must be provided without charge to the owner. Such use will not reduce the warranty obligations of Tomahawk Power, LLC
(10) Add-on or modified parts that are not exempted by the Air Resources Board may not be used. The use of any non-exempted add-on or modified parts by the ultimate purchaser will be grounds for disallowing a warranty claims. Tomahawk Power, LLC will not be liable to warrant failures of warranted parts caused by the use of a non-exempted add-on or modified part.
(11) The manufacturer issuing the warranty shall provide any documents that describe that manufacturer's warranty procedures or policies within five working days of request by the Air Resources Board.

EMISSION WARRANTY PARTS LIST

The repair or replacement of any warranted part otherwise eligible for warranty coverage may be excluded from such warranty coverage if Tomahawk Power, LLC demonstrates that the small engine/equipment has been abused, neglected, or improperly maintained, and that such abuse, neglect, or improper maintenance was the direct cause of the need for repair or replacement of the part. That notwithstanding, any adjustment of a component that has a factory installed, and properly operating, adjustment limiting device is still eligible for warranty coverage. The following emissions warranty parts for each engine family list is covered.
For engine families greater than 80cc:

(1) Fuel Metering System:
- (a) Gasoline carburetor assembly and its internal components
- (b)Carburetor gaskets
- (c) Fuel tank
- (d) Fuel Line
- (e) Fuel Line Fittings
- (f) Clamps
- (g) Pressure regulator (if equipped)
- (h) Mixer assembly and its internal components (if equipped)

(2) Air Induction System including:
- (a) Intake pipe/manifold
- (b) Air cleaner

(3) Ignition System including:
- (a) Spark plug
- (b)Ignition coil

(4) Catalytic Muffler Assembly including:
(a) Muffler gasket
(b) Exhaust manifold (c)Catalytic converter
(5) Crankcase Breather Assembly including:
(a) Breather connection tube.
(6) Fuel tank evaporative emissions control system including:
(a) Purge Valves
(b) Carbon Canister
(c) Canister Mounting Brackets
(d) Fuel Cap
(e) Fuel Tank
(7)Miscellaneous items Used in Above Systems including:
(a) Switches
(b) Hoses, belts, connectors, and assemblies.
(8)Air injection system
(a) Pulse valve

For engine families less than or equal to 80cc:
(1) Fuel Metering System:
(a) Gasoline carburetor assembly and its internal components
(b)Fuel filter (if so equipped)
(c) Carburetor gaskets
(d) Fuel pump (if so equipped)
(2) Air lnduction System including:
(a) lntake pipe/manifold
(b) Air cleaner
(3) lgnition System including:
(a) Spark plug (b)lgnition module/coil
(4) Catalytic Muffler Assembly (if so equipped) including:
(a) Muffler gasket
(b) Exhaust manifold
(5) Crankcase Breather Assembly including:
(a) Breather connection tube.
(6) Miscellaneous items Used in Above Systems including:
(a) Switches
(b) Hoses, belts, connectors, and assemblies.
(7) Fuel tank evaporative emissions control system including:
(a) Fuel Tank
The warranty is provided in accordance with the "California AND FEDERAL Emission Control Warranty Statement".

BIG POWER
IN A SMALL PACKAGE

Offering adjustable pressure from 50-450 PSI, Tomahawk's PRO SERIES Backpack Sprayer is perfect for pest control professionals treating residential and commercial areas! Spray 10X Faster with this sprayer's Twin Tip Nozzle to combat insects in hard to reach places!

Item #: TPS25

5 GAL. MOTORIZED BACKPACK SPRAYER

www.tomahawk-power.com

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

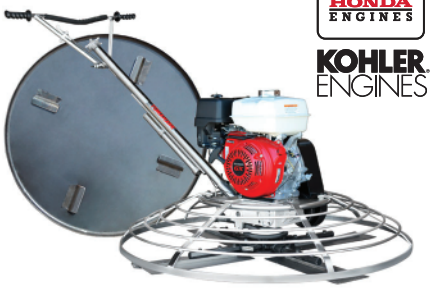
6" Early Entry Green Concrete Saw
Part#: TFS6H

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?

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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#: TWG135Ai

Steady 50 - 135 Amp DC welding output
3300 Watt Inverter Generator
60% Duty Cycle for extended use
Suitable for welding rods from 6010 to 7024
2 Year Product Warranty

210 Amp Portable Welder Generator
Part#: TWG210A

Steady 50 - 210 Amp DC welding output
2000 Watt Inverter Generator
60% Duty Cycle for extended use
Suitable for welding rods from 6010 to 7024
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. Motorized 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

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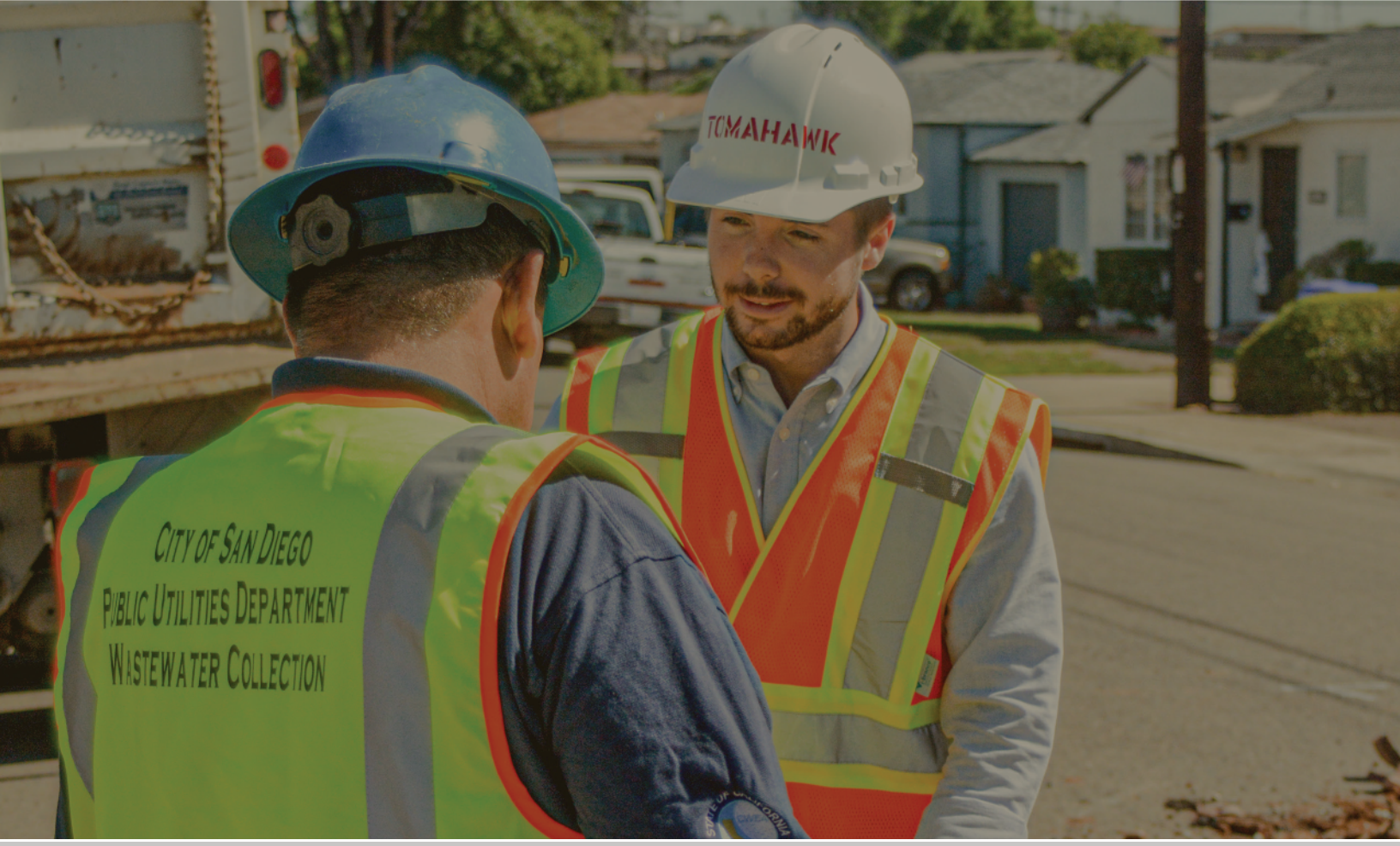

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