



Tornado F2 Model F2-2300S Owner's Manual

Blower/Stick Blower



If you have any questions about your ZoomBroom™, please call us at 734-545-8071 or go online to our Customer Support Area at ZoomBrooms.com/Support



WARNING: To reduce the risk of injury, the user must read and understand the Owner's Manual before using this product. Save these instructions for future reference. Refer to them frequently and use them to instruct others who may use this tool. If you loan this tool to someone else, also loan these instructions to them to prevent misuse of the product and possible injury.



IMPORTANT SAFETY INSTRUCTIONS

When using an electrical appliance, basic precautions should always be followed, including the following:

READ ALL INSTRUCTIONS BEFORE USING THIS BLOWER

WARNING - To reduce the risk of fire, electrical shock, or injury:

- Unplug from outlet when not in use and before servicing.
- Do Not Expose To Rain - Store Indoors.
- Do not allow to be used as a toy. Close attention is necessary when used by or near children.
- Use only as described in this manual. Use only manufacturer's recommended attachments.
- Do not use with damaged cord or plug. If blower is not working as it should, has been dropped, damaged, left outdoors, or dropped into water, return it to a service center.
- Do not pull or carry by cord, use cord as a handle, close a door on cord, or pull cord around sharp edges or corners. Do not run appliance over cord. Keep cord away from heated surfaces.
- Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord.
- Do not handle plug or blower with wet hands.
- Do not put any object into openings. Do not use with any opening blocked; keep free of dust, lint, hair, and anything that may reduce air flow.
- Keep hair, loose clothing, fingers, and all parts of body away from openings and moving parts.
- Turn off all controls before unplugging.
- Use extra care when cleaning on stairs situations.

IMPORTANT SAFETY INSTRUCTIONS

- Prevent unintentional starting. Ensure the switch is in the off-position before connecting to battery pack, picking up or carrying the blower. Carrying the blower with your finger on the switch or energizing blower that have the switch on invites accidents.
- Disconnect the battery pack from the blower before making any adjustments, changing accessories, or storing blower. Such preventive safety measures reduce the risk of starting the blower accidentally. Note: This warning is not applicable for batteries that cannot be disconnected from the blower in normal use.
- Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
- Use appliances only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
- When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.
- Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns. (This advice is considered correct for conventional NiMh, NiCd, lead acid and lithium-ion cell types. If this advice is incorrect for a cell design that differs from these, then the correct advice may be substituted.)
- Do not use a battery pack or blower that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.
- Do not expose a battery pack or tool to fire or excessive temperature. Exposure to fire or temperature Above 212 °F (100°C) may cause explosion.
- Follow all charging instructions and do not charge the battery pack or blower outside of the temperature range specified in the instructions. Charging improperly or at temperatures outside of the specified range may damage the battery and increase the risk of fire.
- Have servicing performed by a qualified repair person using only identical replacement parts. This will ensure that the safety of the product is maintained.
- Do not modify or attempt to repair the blower or the battery pack (as applicable) except as indicated in the instructions for use and care.

SAVE THESE INSTRUCTIONS

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DO NOT USE IN WET CONDITIONS

IPX0: The product offers no special protection from water.

Do not use where rain or mist is present or if water can be sucked into the motor head! Use and store in dry conditions!

SAFETY GUIDELINES



READ & UNDERSTAND THIS OWNER'S MANUAL

SAFETY SYMBOLS

The purpose of safety symbols is to attract your attention to possible dangers. The safety symbols and the explanations with them deserve your careful attention and understanding. The symbol warnings do not, by themselves, eliminate any danger. The instructions and warnings they give are not substitutes for proper accident prevention measures.



WARNING: Be sure to read and understand all safety instructions in this Owner's Manual, including all safety alert symbols such as "DANGER," "WARNING," and "CAUTION" before using this tool. Failure to following all instructions listed below may result in electric shock, fire, and/or serious personal injury.



WARNING: Some dust created by power sanding, sawing, grinding, drilling and other construction activities contains chemicals known to the state of California to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- Lead from lead-based paints,
- Crystalline silica from bricks and cement and other masonry products, and
- Arsenic and chromium from chemically-treated lumber

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals, work in a well-ventilated area and work with approved safety equipment, such as dust masks that are specially designed to filter out microscopic particles.



WARNING: The operation of any power tools can result in foreign objects being thrown into your eyes, which can result in severe eye damage. Before beginning power tool operation, always wear safety goggles or safety glasses with side shields and a full face shield when needed. We recommend a Wide Vision Safety Mask for use over eyeglasses or standard safety glasses with side shields. Always use eye protection which is marked to comply with ANSI Z87.1.

IMPORTANT SAFETY INSTRUCTIONS



WARNING: To reduce risk of fire, electric shock, or injury:



- **Know your power blower.** Read the instruction manual carefully. Learn the blower's applications and limitations, as well as the specific potential hazards related to this blower. Following this rule will reduce the risk of electric shock, fire, or serious injury.
- **Do not allow the blower to be used as a toy.** Close attention is necessary when used by or near children.
- **Use only as described in this manual.** Use only manufacturer's recommended attachments.
- **Do not leave blower unattended where it can be used by children or anyone who does know its proper use.**
- **Do not put any object into any openings.** Do not use with any opening blocked; keep openings free of dust, lint, hair, and anything that may reduce air flow.
- **Keep hair, loose clothing, fingers, and all parts of body away from openings and moving parts.** Loose clothes, jewelry, or long hair can be drawn into air vents.
- **Secure long hair above shoulder level to prevent entanglement in moving parts.**
- **Wear heavy long pants, long sleeves and boots when using the blower.** Avoid loose garments or jewelry that could get caught in moving parts of the machine or its motor.
- **Do not operate the equipment while barefoot or when wearing sandals or similar lightweight footwear.** Wear protective footwear that will protect your feet and improve your footing on slippery surfaces.
- **Do not operate blowers in explosive atmospheres,** such as in the presence of flammable liquids, gases, or dust. Blowers create sparks which may ignite the dust or fumes.
- **Stay alert,** watch what you are doing and use common sense when operating a power blower. Do not use the blower while tired, upset, or under the influence of drugs, alcohol, or medication. A moment of inattention while operating blowers may result in serious personal injury.
- **Keep firm footing and balance.** Do not overreach. Overreaching can result in loss of balance.
- **Use extra care when cleaning on stairs.**
- **Do not use on a ladder, rooftop, tree, or other unstable support.** Stable footing on a solid surface enables better control of the blower in unexpected situations.



- **Use safety equipment.** Always wear eye protection. Dust mask, non-skid safety shoes, hard hat, or hearing protection must be used for appropriate conditions.
- **Always wear safety glasses with side shields.** Everyday glasses have only impact resistant lenses. They are NOT safety glasses. Following this rule will reduce the risk of eye injury.
- **Always wear eye protection with side shields marked to comply with ANSI Z87.1 along with hearing protection when operating this equipment.**
- **Protect your lungs.** Wear a face or dust mask if the operation is dusty. Following this rule will reduce the risk of serious personal injury.
- **Protect your hearing.** Wear hearing protection during extended periods of operation. Following this rule will reduce the risk of serious personal injury.
- **Battery powered blowers do not have to be plugged into an electrical outlet;** therefore, they are always in operating condition. Be aware of possible hazards when not using your battery powered blower or when changing accessories. Following this rule will reduce the risk of electric shock, fire, or serious personal injury.
- **Check the work area before each use.** Remove all objects such as rocks, broken glass, nails, wire, or string which can be thrown by or become entangled in the machine.
- **Do not point the blower in the direction of people or pets.** Keep all bystanders, children, and pets at least 25 ft. away.
- **When not in use, the blower should be stored indoors in a dry, secure place out of the reach of children.**
- **Never use the blower near fires or hot ashes.** Use near fires or ashes can spread fires and result in serious injury and/or property damage.
- **Never use blower to spread chemicals, fertilizers, or any other toxic substances.** Spreading these substances could result in serious injury to the operator or bystanders.
- **Never place the blower on any surface, except a hard, clean surface when the engine is running.** Gravel, sand, and other debris can be picked up by the air intake and thrown at the operator or bystanders, causing possible serious injuries.

**Please use common sense and use this tool only for its intended purpose.
Use your blower safely and store it securely!**

INTRODUCTION

Congratulations on your selection of the new ZoomBroom™ Home version. It has been designed, engineered, and manufactured to give you the best possible dependability and performance for cleaning all of your outdoor living areas and other outdoor hard surfaces.

Should you experience any problem which you cannot easily remedy, please contact ZoomBroom customer service center 734-545-8071.



This manual contains important information on to the safe assembly, operation and maintenance of your product. Read it carefully before using the product. Keep this manual handy so you can refer to it at any time.

PRODUCT REGISTRATION

Register your new ZoomBroom™ at

ZoomBrooms.com/Register

Or scan this QR code on your phone:

Registering your ZoomBroom™ gives you:

- quick answers to your questions
- valuable savings on future purchases
- fast repairs or returns





SPECIFICATIONS

Voltage	10.8V
Maximum air velocity	70 MPH (Standard speed)
Approximate run time	30 min. (Standard speed)
	15 min. (Turbo boost)
Recommended Operating Temperature	14°F—104°F (-10°C—40°C)
Recommended Storage Temperature	-4°F—158°F (-20°C—70°C)
Recommended Charging Temperature	39.2°F—104°F (4°C—40°C)
Weight (including battery pack)	2.09 lb. (0.95 kg)

If any parts are missing or damaged,
please contact ZoomBroom™ customer
service center 734-545-8071.
Do not return it to the retailer.

WHAT'S IN THE PACKAGE

PART NAME	QUANTITY
Blower	1
Charger	1
Arm Rest	1
Battery Pack	1
Wall Hanger w/screws	1
Owner's Manual	1



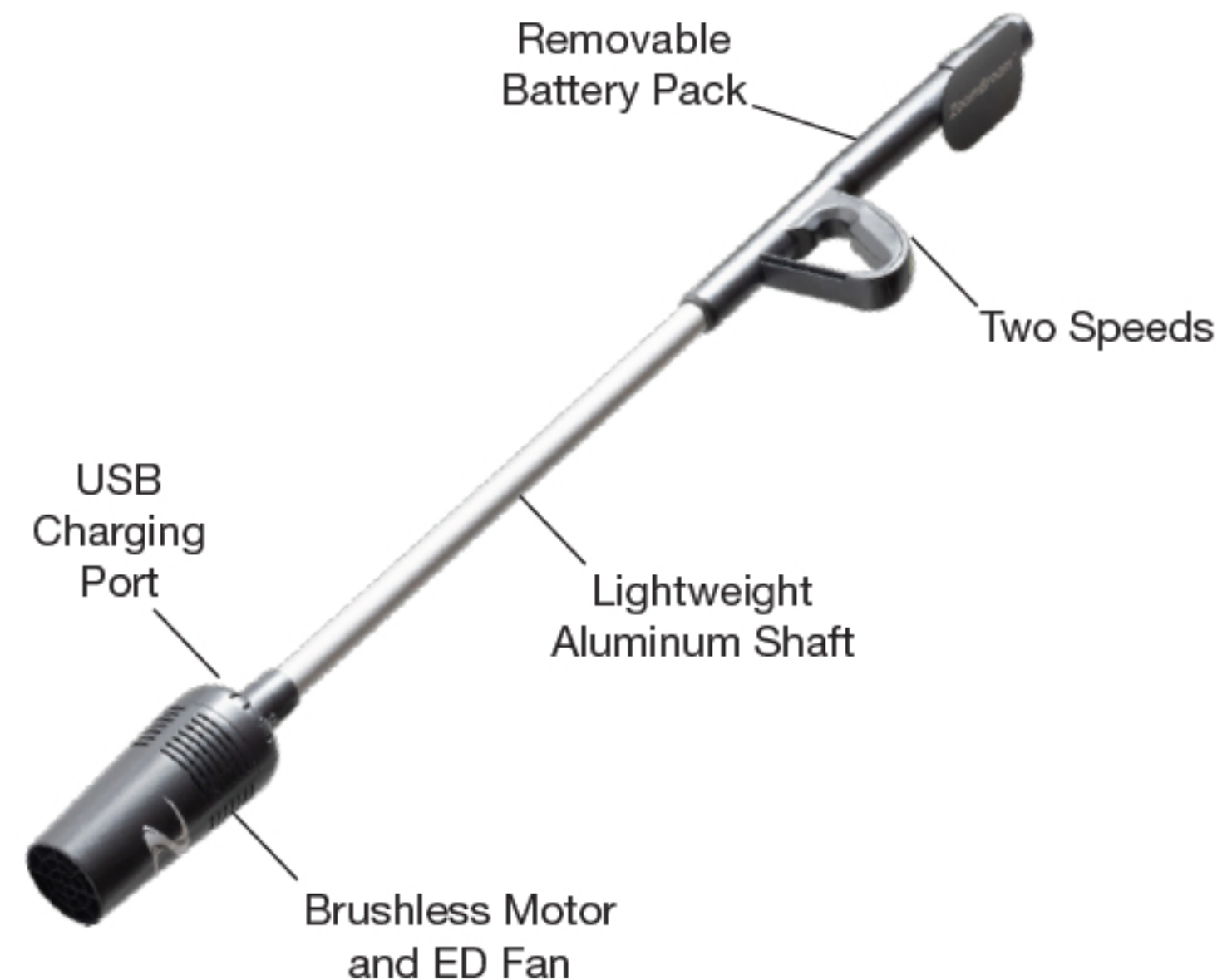
USER GUIDE

First Time Use

1. Insert battery pack into end of handle.
2. Connect charger to 110 volt outlet.
3. Connect USB cord to charging port on the stem of the head.
4. Charge until indicator light changes to green.

General Use

1. Always disconnect USB cord before using blower.
2. Always start blower on LOW speed.
3. Connect to USB cord after use to maintain charge for next use.



IMPORTANT SAFETY INSTRUCTIONS

- **Do not charge the battery pack outdoors.**
- **Use the blower only with specifically designated battery pack supplied by the manufacturer.** Use of any other batteries may create a risk of fire.
- **Use only the charger supplied by the manufacturer to recharge the battery pack.**
- **Batteries can explode in the presence of a source of ignition,** such as a pilot light. To reduce the risk of serious personal injury, never use any cordless product in the presence of open flame. An exploded battery can propel debris and chemicals. If exposed, flush with water immediately.
- **Do not use the blower if switch does not turn it on or off.** A blower that cannot be controlled with the switch is dangerous and must be repaired.

WALL HANGER INSTALLATION

1. The wall hanger should be securely fastened to a wall with the supplied screws. Use the supplied drywall mollys if needed.
2. The wall hanger should be mounted with the larger part of the opening facing up.
3. The charging cord can be attached to the clip for convenience.
4. DO NOT STORE OUTSIDE OR IN A WET AREA.



USER TIPS

Arm Rest

1. The arm rest should fit comfortably on the user's fore arm. Use of the arm rest will reduce fatigue from using the blower.
2. The arm rest may be removed if preferred by the user, but we recommend its use for comfort.



Battery Pack

1. The ZoomBroom™ battery pack is uniquely designed to provide the best combination of power and run time.



Cleaning Tips

1. Start using the blower on LOW speed. You will find that this is sufficient power for most cleaning jobs, will provide the longest run time, and will limit blow back of debris.
2. The use of HIGH speed will reduce the run time and may make it difficult to control the debris.

IMPORTANT SAFETY INSTRUCTIONS

- **Do not expose a battery pack or tool to fire or excessive temperature.** Exposure to fire or temperature above 212 °F (100°C) may cause explosion.
- **Do not handle the charger, including charger plug, or charger terminals with wet hands.**
- **Always take care of your feet, children, or pets around you when removing the battery pack from blower.** Serious injury could result if the battery pack falls. NEVER remove the battery pack when in a high position.



CARE AND REPAIRS

1. Keep the blower clean and free from oil and grease. Never spray water or cleaning products onto the blower. Clean with a soft, dry towel only!
2. If the blower fails to operate or makes unusual noise, check to make sure that no foreign object is in the blower head. Remove the foreign object carefully if possible.
3. All repairs and maintenance must be performed by the manufacturer to prevent serious personal injury.

**If you have any questions about your ZoomBroom™, please call us at 734-545-8071
or go online to our Customer Support Area at ZoomBrooms.com/Support**

IMPORTANT SAFETY INSTRUCTIONS

- **If the blower is not working as it should, has been dropped, damaged, left outdoors, or dropped into water, return it to a service center.**
- **Remove the battery pack from the blower before making any adjustments or maintenance to the blower.** Turn off all controls before removing the battery.
- **DO NOT attempt to clear clogs from the unit without first removing the battery.**
- **Do not incinerate the appliance even if it is severely damaged. The batteries can explode in a fire.**
- **Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the blower's operation.** If damaged, have the blower serviced before using. Many accidents are caused by poorly maintained blowers.
- **Keep the blower and its handle dry, clean and free from oil and grease.** Always use a clean cloth when cleaning. Never use brake fluids, gasoline, petroleum-based products, or any strong solvents to clean your blower. Following this rule will reduce the risk of loss of control and deterioration of the enclosure plastic.
- **Blower service must be performed only by qualified repair personnel.** Service or maintenance performed by unqualified personnel may result in a risk of injury.
- **When servicing a blower, use only identical replacement parts.** Follow instructions in the Maintenance section of this manual. Use of unauthorized parts or failure to follow Maintenance Instructions may create a risk of shock or injury.



Thank you for your purchase!





⚠ WARNING ⚠

PLEASE READ AND UNDERSTAND ALL INSTRUCTIONS BEFORE USING YOUR ZOOMBROOM

Common sense and basic safety precautions should always be followed when using electrical appliances, including the following to reduce the risk of fire, electrical shock, or injury to the user or others.

- DO NOT direct air flow at a person, pet, or any part of your body.
- DO NOT allow your ZoomBroom™ to run unattended.
- CLOSELY SUPERVISE use by children. DO NOT allow your ZoomBroom™ to be used as a toy.
- DO NOT operate your ZoomBroom™ if it has been damaged in any way, left outside in the rain or otherwise immersed in water, or if it malfunctions. Contact us for repair options.
- USE GREAT CARE when used near children, pets, or people with breathing problems. Dust particles may be dangerous and care should be taken not to breath in the dust.
- DO NOT use in rain or when water or other liquids may be sucked into the intake grill.
- DO NOT use to blow any substances which might be toxic, flammable, combustible, or contain any hazardous materials.
- DO NOT operate in the presence of explosive or flammable fumes or liquids.
- USE GREAT CARE when using near open flames or hot ashes.
- KEEP hair, loose clothing, and all parts of the body away from the openings and moving parts.
- REMOVE immediately any debris which gathers on the intake grill. Do not operate with any part of the intake or blower grill blocked or with restricted air flow.
- DO NOT operate while charging.
- For use only with Battery Pack, Model ZOOMBROOM-3S1P.
- DO NOT throw the lithium battery pack into normal trash. Contact local battery recycling or collection for disposal or return the to us for credit on a new battery pack.
- DO NOT:
 - attempt to open or disassemble the battery pack,
 - Incinerate or burn the battery pack or explosion may occur,
 - Use or store battery pack at temperatures above 95 degrees Fahrenheit
- DO NOT abuse the charger or its cord. For use only with Charger, Model DK33-133200H-U. Never yank the cord to disconnect it: always grasp the charger or the connector to disconnect. Do not pull the cord around corners or sharp objects. Do not allow the cord to hang where it might be caught by passing objects or entangled by people or pets. Do not allow the cord to touch hot surfaces or be used near hot objects.
- This product contains chemicals known to the State of California to cause cancer. Birth defects, or reproductive harm. WASH HANDS AFTER USING.
- ZoomBroom™ Home is intended for personal household use only and not for commercial or industrial use. Never use for any purpose other than its intended use.
- **DO NOT attempt to repair or adjust your ZoomBroom™ in any way. All repairs, maintenance and adjustments must be performed by ZoomBroom Inc. unless specifically listed in this manual.**

FCC Compliance: This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna,
- Increase the separation between the equipment and the receiver,
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or a experienced radio/TV technician for help.
- Changes or modification
 - Changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate this device.