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FORT WORTH, TX 76140
PHONE: 800-VACUUMS
FAX: 817-551-0719
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OPERATIONS & MAINTENANCE MANUAL
FOR COMMERCIAL USE ONLY



TASKFORCE® CRITICAL FILTER VACUUMS
MODEL NOS.
97060 CFV 10 (115V)
97090 CFV17 (115V)



Long Term Buyer Protection Limited Warranty

Tornado Industries, LLC. (Tornado) warrants to the end/user customer that the Tornado product(s) will be free from defects in material and workmanship for the duration(s) described below. This limited warranty DOES NOT cover machines and/or components subject to normal wear and tear, damage that occurs in shipping, failures resulting from modification, accident, unsuitable operating environment, misuse, abuse, neglect, or improper maintenance by you. For full details, contact your Authorized Tornado Distributor, Service Center, or the Tornado Technical Service Department. Tornado sales and service representatives are not authorized to waive or alter the terms of this warranty, or to increase the obligations of Tornado under the warranty.

10 Years*

Plastic water tanks and Rotationally-molded bodies

2 Years*

Parts on all Tornado cleaning equipment

1 Year*

Labor on all Tornado cleaning equipment

1 Year*

Warranty on batteries, one year prorated

All battery warranties are handled directly by the battery manufacturer, on a one year prorated basis

Terms subject to change without notice

1. Except all Windshears™ Blowers, Storm, TV2SS, Side and Downdraft, Insulation Blowers, CV 30, CV 38, CK14/1 PRO, CK 14/2 PRO, SWM 31/9, CK LW13/1, CK LW 13/1 ROAM, CV 38/48 Dual, PV6, PV10, PV6 ROAM, Wall Mount Vacuum and all chargers are warranted for 1 (one) year for both parts and labor.
2. All non-wear item parts purchased after warranty expiration are warranted for 90 days.
3. Warranty starts from the date of sale to the consumer or, at Tornado's discretion, 6 months after the dealer purchased the unit from Tornado, whichever comes first.
4. The EB 30 is warranted for a period of 90 days for both parts and labor.
5. The warranty on engines used on propane powered equipment is limited to motor manufacturer's warranty.
6. Ride-on Scrubbers are warranted for 24 months, parts, 6 months labor or 1,000 hours, whichever occurs first.

Note: Tornado, The Latest Dirt, Floorkeeper, Carpetkeeper, Carpetrinser, Carpetrinser/Dryer, Headmaster, Taskforce, PAC-VAC, T-Lite, Glazer, Windshear, Max-Vac and Trot-Mop are trademarks of Tornado Industries

Website: www.tornadovac.com

Phone 1-800-VACUUMS

Fax 817-551-0719

Address 3101 Wichita Court
Fort Worth, TX 76140



NOTES

IMPORTANT SAFETY INSTRUCTIONS

READ AND UNDERSTAND ALL INSTRUCTIONS BEFORE USING THIS UNIT

Read and understand this owner's manual and all labels on the unit before operating. Safety is a combination of common sense, staying alert and knowing how your unit works. Use this unit only as described in this manual. Use only manufacturer's recommended attachments. To reduce the risk of personal injury or damage to your unit use only Tornado recommended accessories.

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

WARNING: TO REDUCE THE RISK OF FIRE, ELECTRICAL SHOCK OR INJURY:

- Do not run the unit unattended
- WARNING - To reduce the risk of Electrical Shock - Use indoors only.
- WARNING - To Reduce the Risk of Fire - Do not use a flammable or combustible liquid to clean a floor.
- Do not use this unit near flammable liquids, gases, or explosive vapors like gasoline or other fuels, lighter fluids, cleaners, oil-based paints, natural gas, hydrogen, or explosive dusts like coal dust, magnesium dust, grain dust, or gun powder. Sparks inside the motor can ignite flammable vapors or dust.
- Keep the cord away from heated surfaces.
- Do not expose to rain. Store indoors in an area above 32°F where the machine will not freeze.
- Do not unplug by pulling on cord. To unplug, grasp the plug not the cord.
- Do not use with damaged cord, plug, or other parts.
- If the unit 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 the cord, use the cord as a handle, close a door on a cord, or pull cord around sharp edges or corners.
- Do not run the unit over the cord.
- Do not handle the plug or the unit with wet hands.
- To reduce the risk of health hazards from vapors or dusts, do not vacuum toxic materials.
- Do not store near hazardous materials.
- Do not use the unit with a damaged filters or without the filters installed.
- Do not allow it be used as a toy. Close attention is necessary when used by or near children.
- To reduce the risk of injury from accidental starting, unplug power cord before cleaning, making adjustments or repairs.
- Do not leave the unit unattended when plugged in. Unplug from wall outlet when not in use and before servicing.
- Turn off the all controls before unplugging.
- Do not put any object into ventilation openings. Do not operate with any ventilation openings blocked; keep free of dust, lint, hair or anything that may reduce air flow.
- Keep hair, loose clothing, fingers and all parts of the body way from openings and moving parts.
- To reduce the risk of falls, use extra care when using the unit on stairs.
- Do not pick up flammable or combustible liquids, such as gasoline, or use in areas where they may be present.
- Do not pick up hot ashes, coals, toxic, flammable or other hazardous materials.
- If the machine tips over during use, shut it off immediately and set it upright and wait for the motor to stop completely.

SAVE THIS MANUAL FOR FUTURE REFERENCE

Specifications

CATALOG NO.	97060	97090
SERIES	A	A
VOLTS	115V	115V
AMPS	10	10
HP	1.6	1.6
CERTIFICATION		

All Specifications Subject to Change Without Notice.

All information and specifications printed in this manual are current at the time of printing. However, because of Tornado's policy of continued product improvement, we reserve the right to make changes at any time without notice.

Product Specifications		
Model	CFV10	CFV17
Catalog Number	97060	97090
Dimensions	19" x 16" x 28" 48 cm x 41 cm x 71 cm	24" x 18" x 36" 61 cm x 46 cm x 91 cm
Net Weight	31 lbs. / 14 kg	35 lbs. / 16 kg
Running Amps	10	10
Power	115V	115V
Cfm	114	114
Water Lift	90"	90"
Filtration	4 Stage HEPA	4 Stage HEPA
Motor	2 Stage	2 Stage
Tank Size	10 gal / 38 l	17 gal / 64 l
Power Cord	30 ft / 9 m	30 ft / 9 m

The HEPA cartridge filter included with this vacuum has been individually tested and certified to have a minimum efficiency of 99.97% at 0.3 microns in accordance with IEST-RP-CC001.5 test requirement and meets the EPA's Lead Renovation Repair and Painting (RRP) requirements.

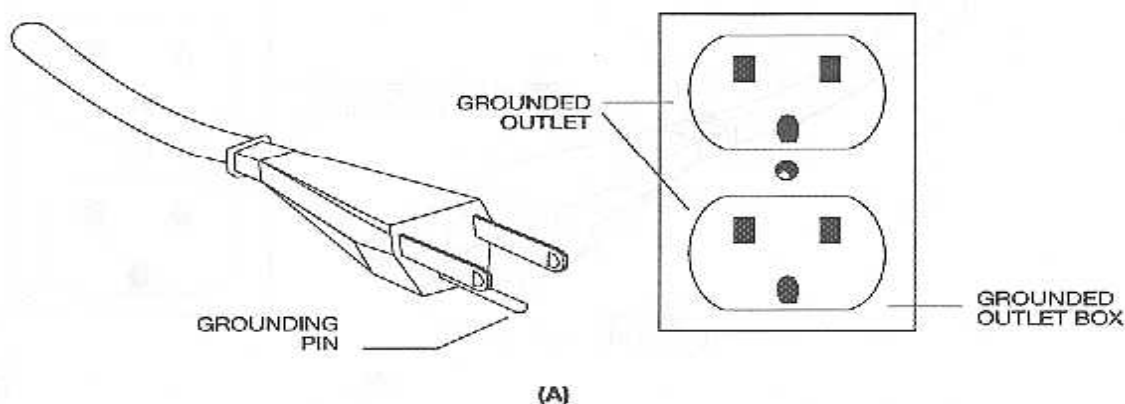
NOTE: Do Not use these units without all filters in place.

NOTE; These units are primarily intended for dry recovery. Dry debris is often misted to aid in containment. These units can handle this application, but they are not appropriate for true wet recovery.

This appliance must be grounded. If it should malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This appliance is equipped with a cord having an equipment grounding conductor and grounding plug. The plug must be inserted into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

WARNING - Improper connection of the equipment grounding conductor can result in a risk of electric shock. Check with a qualified electrician or service person if you are in doubt as to whether the outlet is properly grounded. Do not modify the plug provided with the appliance, if it will not fit the outlet, have a proper outlet installed by a qualified electrician.

This appliance is for use on a nominal 120-volt circuit and has a grounding attachment plug that looks like the plug illustrated in sketch (A). Make sure that the appliance is connected to an outlet having the same configuration as the plug. No adaptor should be used with this appliance.



When the Machine is Delivered

1. Check the carton for signs of shipping damage.
2. Remove the machine from the carton and look for damage.

If the machine is damaged, notify the carrier immediately and request an inspection. Be sure to keep the carton, packing inserts, packing lists, and carrier's receipt until the inspector has verified your claim.

Before Operating Machine

Read this manual completely before attempting to operate machine. This manual has important information for the use and safe operation of the machine. Keep this manual on file and handy. The machine will provide years of satisfactory service if operated and maintained according to recommendations in the manual. If additional information is needed, please write to:

Tornado Industries, LLC
3101 Wichita Court
Fort Worth, TX 76140

800-VACUUMS
FAX 817-551-0719
www.tornadovac.com

To begin operating your Critical Filter Vacuum (CFV), perform the following steps.

1. Ensure all filters are in place and properly secured.
2. Place the head assembly on top of the tank
3. Engage the latches by pressing down (fig. 1)



Fig. 1

4. Attach the hose to the tank (Fig. 2)



Fig. 2

5. Slide the wand onto the hose
6. Twist the collar on the wand to lock the wand onto the hose
7. Connect the extensions to the wand
8. Attach the desired accessory to the extension
9. Connect plug to a 120 volt 60Hz outlet and switch on the unit

10. When finished, remove the hose by pushing in on the RED button and pulling out on the hose (Fig. 3)



Fig. 3

To Change Filters

1. Ensure the unit is turned off and unplugged before attempting to change filters.
2. Release the latches
3. Remove the head assembly and place it upside down on the tank assembly
4. Release filter retaining bracket (Fig. 4)



Fig. 4

5. Remove paper filter by stretching the top elastic, carefully, over the cloth filter (Fig. 5)



Fig. 5

6. Loosen the clamp holding the cloth filter and remove the filter (Fig. 6)



Fig. 6

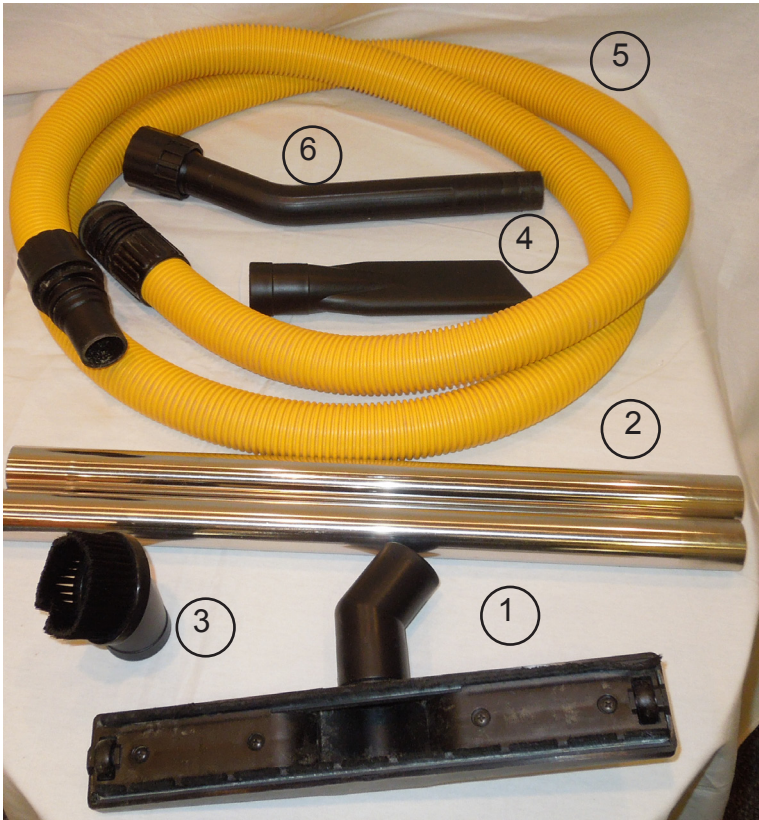
7. Remove the HEPA filter. (Fig. 7)



Fig. 7

8. The filters are installed in the reverse order.

ATTACHMENT SET



- 1. Floor Tool p/n WD112
- 2. Extension (2 pcs) p/n WD29
- 3. Dust Brush p/n WD33
- 4. Crevice Tool p/n WD32
- 5. Hose p/n TBD
- 6. Wand p/n WD28

CFV10	
Collection Bag (3/pkg)	90032
Paper Bag (12/pkg)	98588
Cloth Bag (1/pkg)	98595
HEPA Filter (1/pkg)	90616
CFV17	
Collection Bag (3/pkg)	90034
Paper Bag (12/pkg)	90353
Cloth Bag (1/pkg)	98596
HEPA Filter (1/pkg)	90621

TROUBLESHOOTING

LOSS OF SUCTION	
CAUSE	SOLUTION
Tank full	Empty tank
Clogged hose or wand	Remove obstruction
Loose or broken fan	Contact service center
Motor not working	Contact service center
Seal worn	Replace seal
MOTOR IS NOT RUNNING	
CAUSE	SOLUTION
Broken switch	Contact service center
Defective power cord	Contact service center
Defective motor	Contact service center
DUST BLOWING FROM UNIT WHEN RUNNING	
CAUSE	SOLUTION
Dirty filters	Clean / Replace filters
Torn Filters	Replace filters
Filters not installed	Install filters correctly

Warranty Registration Form

Please provide additional information on
Tornado equipment: (Check choices below)

- | | |
|---|---|
| ☐ Automatic Scrubbers | ☐ Sweepers |
| ☐ Propane Floor Machines | ☐ Rotary Floor Machine |
| ☐ High Speed Burnishers | ☐ Carpet Vacuums |
| ☐ Carpet Extractors & Spotters | ☐ Wet/Dry Vacs |
| ☐ Steam Cleaners | ☐ Jumbo Vacs |
| ☐ Ride-On Equipment | ☐ Pressure Washers |

See complete product info at www.tornadovac.com

Selling Dealer: (Required) _____

Please Print Clearly

Company/Institution	
Contact Name	Title
Address	City/State/Zip Code
Phone	Fax
Date of Purchase	Email

See white metal plate or sticker on unit for this information.

MACHINE TYPE/MODEL NUMBER:	MACHINE SERIAL NUMBER:
1. _____	1. _____
2. _____	2. _____
3. _____	3. _____
4. _____	4. _____

Facility Description (please circle all that apply)		
1. School 2. Retail Store 3. Restaurant 4. Office Building 5. Contract Cleaning 6. Light Manufacturing 7. Heavy Manufacturing 8. College/University	9. Hospital 10. Nursing Home 11. Religious Institution 12. Airport 13. Warehouse 14. Apartment/Condo 15. Warehouse 16. Supermarket	17. U.S. Govt. 18. Other Govt. 19. Auto Service 20. Airport 21. Non-Profit 22. Other (specify)

How did you first learn about Tornado cleaning and maintenance equipment?	In square feet (<i>meters</i>)	
	Total Hard Floor Area	Total Carpeted Area Square feet (square meters)
☐ Contacted by local dealer ☐ Previous experience with Tornado products ☐ Reputation/ Recommendation ☐ Advertising ☐ Direct mail ☐ Internet ☐ Other	☐ 0-10,000 (0-930) ☐ 10-50,000 (930-4,650) ☐ 50-250,000 (4,650-23,250) ☐ Over 250,000 (over 23,260)	☐ 0-10,000 (0-930) ☐ 10-50,000 (930-4,650) ☐ 50-250,000 (4,650-23,250) ☐ Over 250,000 (over 23,260)

Damage or defect arising from abuse, neglect or other misuse is excluded from this warranty. Other items may or may not apply based on your specific machine. If any defect occurs, the warranty is voided if service is attempted by non-Authorized Tornado Service Centers.

Return to :
Tornado Industries
3101 Wichita Court
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or online at
www.tornadovac.com

