



VAC-2-HEPA, VAC-2D-HEPA, EV-30H

HEPA Vacuums

Operating and Maintenance Instructions



VAC-2D-HEPA



VAC-2-HEPA



EV-30H

Read before operating.

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Thank you for purchasing this Goodway HEPA Vacuum Cleaner. As with all Goodway products, you can be assured that the finest quality components and workmanship have gone into this machine.

Please take a few minutes to read the following Operating and Maintenance Instructions. Please pay particular attention to the safety instructions and exercise caution when using this machine.

GOODWAY® TECHNOLOGIES CORPORATION
HVAC & FACILITY MAINTENANCE SOLUTIONS

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GENERAL

The Goodway HEPA Vacuums are designed to safely recover toxic materials, such as fibrous asbestos. Their HEPA (High Efficiency Particulate Air) filter system retains hazardous dust and particles and is rated 99.97% efficient at 0.3 microns. While the VAC-2-HEPA can be used for both wet and dry pickup, the VAC-2D-HEPA and EV-30H can only be used for dry pickup applications.



IMPORTANT SAFETY INSTRUCTIONS

To prevent operator injury and damage to equipment, please read and observe the following basic safety precautions:

1. Read all instructions before using.
2. To avoid electrical shock, never expose the vacuum to rain. Store vacuum indoors in a cool, dry area.
3. Unplug the power cord when servicing the unit, changing filters, or leaving the machine unattended.
4. Turn off all controls before unplugging the power cord.
5. When unplugging the power cord, grasp the plug - not the cord.
6. Do not use the machine if it has a damaged cord or plug.
7. If the machine does not operate properly or has been damaged or exposed to water, contact the factory for recommended action.
8. Do not vacuum hot, burning or smoking material such as cigarettes, matches or hot ash.
9. Do not handle the machine or plug with wet hands.
10. Do not vacuum combustible liquids or use in areas where combustible liquids or fumes may be present.
11. Keep objects, loose clothing, hair and body parts away from openings and moving parts.
12. Keep all openings free of lint, dust or anything that will impede airflow.
13. Do not roll the machine over the power cord, pull the cord, close a door on the cord or pull the cord around sharp corners. Keep the cord away from hot surfaces.
14. Be extra careful when cleaning on stairs.
15. Use only Goodway recommended attachments and filters.
16. Strict supervision is required when the machine is used near children.

DISPOSAL OF HAZARDOUS MATERIAL

Hazardous material must be disposed of properly, in accordance with local regulations. Hazardous debris should be packaged in plastic bags or cans marked "HAZARDOUS MATERIALS".

GROUNDING INSTRUCTIONS

Goodway vacuums are supplied with a three conductor cord and a grounding plug and should be used with a grounding receptacle to protect the operator from electrical shock. DO NOT remove the grounding pin. If an extension cord is used, it must be of sufficient guage and a three conductor type.

OPERATION - GENERAL

1. Be certain to plug the vacuum into an outlet of the proper voltage as indicated on the machine nameplate.
2. No lubrication of the motors is required as they are equipped with pre-lubricated sealed bearings.
3. For top performance, clean or replace the filters regularly. Clogged filters restrict airflow and reduce suction.
4. Check carbon brushes periodically and replace when worn down to approximately 1/2" (13mm).

OPERATION - DRY PICKUP

TANK/FILTER SETUP

NOTE: Be sure all filters are in place for dry pickup It is recommended that a plastic liner be used in the tank to make bundling of hazardous waste easier.

1. Remove the lid from the tank. Then remove the HEPA filter.
2. VAC-2-HEPA and EV-30H - Place a fully opened plastic bag in the bottom of the tank.
VAC-2D-HEPA - Place a plastic bag inside the tank. Locate the 2" (51mm) hole in the bag and place the elbow intake pipe through the hole. Stretch the plastic bag over the tanks rolled edge making sure the four small holes remain inside the tank.
3. Gently open a paper collection bag by pulling the folds apart. Be careful not to tear the bag. Should a bag become torn, discard it. **Never operate the vacuum with a torn paper bag or without a paper bag.**
4. Place the paper collection bag inside the tank and carefully stretch the rubber gasket around the intake tube until it is beyond the raised ring of the intake tube.
5. VAC-2-HEPA and EV-30H - Pull the plastic liner about half way up the paper collection bag.

6. Make sure the prefilter cloth filter is in place.
7. Re-install the HEPA filter. Then place the lid on top of the tank and snap the lid latches in place.
8. VAC-2-HEPA - Insert the pickup hose into the lower intake and tighten the thumbscrew. Close the upper intake using the plug provided.
VAC-2D-HEPA - Insert the pickup hose into the intake and tighten the thumbscrew.
EV-30H - Insert the pickup hose into the intake.

IMPORTANT NOTES

- Do not remove, substitute, bypass or change in any way the filters used in the Goodway HEPA Vacuums.
- Use only Goodway filters - use of other filters will void the warranty and may not provide proper filtration.
- Change the paper collection bag when full.

REMOVING CONTAMINATED FILTERS AND TANK CLEANING

NOTE: Always wear gloves and an approved respirator when changing the filters or cleaning the tank.

1. Unplug the power cord.
 2. Unlatch and slowly remove the lid. Then remove the HEPA filter assembly, and gently place it on its side.
 3. Wipe down the exposed surface inside the tank using a dampened (not soaking) cloth. Do not discard the wiping cloth yet - place it aside.
 4. **VAC-2-HEPA/EV-30H**
 - A. Reach into the tank and slowly and carefully remove the paper collection bag from the intake tube and place it in the bottom of the plastic bag. Handle the paper bag by the cardboard collar around the bag opening.
 - B. Now take the wiping cloth and wipe down all surfaces inside the drum, including the intake tube and the surfaces previously wiped and the lid. Place the cloth in the plastic bag.
 - C. Reach into the tank and grasp the top of the plastic liner. Slowly and gently pull the liner up and around the paper bag until the liner is fully extended. Slowly squeeze the liner closed as close to the paper bag as possible. Lift out the plastic bag, twist it shut and tie it in a knot.
 - D. Remove the prefilter from the vacuum head and place it in the plastic bag, twist it shut and tie it in a knot.
- VAC-2D-HEPA**
- A. Remove the intermediate Ring (GTC-020-ARD).

- B. Reach into the tank and slowly and carefully remove the paper collection bag from the intake tube. Handle the paper bag by the cardboard collar around the bag opening.
 - C. Slowly and carefully remove the plastic bag from around the rim of the tank and from the intake tube, leaving it inside the tank.
 - D. Now take the wiping cloth and wipe down all surfaces inside the drum, including the intake tube and the surfaces previously wiped and the lid. Place the cloth in the plastic bag.
 - E. Reach into the tank and grasp the top of the plastic liner. Slowly and gently pull the liner up and around the paper bag until the liner is fully extended. Slowly squeeze the liner closed as close to the paper bag as possible. Lift out the plastic bag.
 - F. Remove the filter protector bag from the vacuum head and place it in the plastic bag, twist it shut and tie it in a knot.
5. Mark the plastic bag **"HAZARDOUS MATERIALS"** and disposed of in accordance with local regulations.

NOTE: For replacement of the liner and filters follow the procedures listed under **"DRY PICKUP"**.

OPERATION - WET PICK-UP - VAC-2-HEPA ONLY

TANK/FILTER SETUP

NOTE: Always wear gloves and an approved respirator when handling used filters.

1. Remove the HEPA filter assembly, collection bag and plastic bag from bottom of tank.
2. Install the Cage with Float Assembly (VACP-89) on the lip of the tank.
3. Place lid on tank and snap the latches in place.
4. Insert pickup hose into upper intake and close the lower intake using the plug provided.

Emptying the tank

As the tank becomes full, the shut off float rises to close off the inlet under the lid. When this occurs, the vacuum will no longer pick up water and the sound of the motors will change. Turn off the vacuum and move it into a convenient spot for emptying. **DO NOT LET THE VACUUM RUN WITH THE TANK FULL AND THE INLET CLOSED.**

MAINTENANCE

SERVICING THE MOTORS: VAC-2-HEPA AND VAC-2D-HEPA

1. Unplug the power cord.
2. Wear gloves and an approved respirator if machine has been used for toxic material recovery.

3. Remove the three bolts located on the radius step of the lid.
4. Lift the lid off to gain access to the motors.
5. Squeeze and lift off the plastic motor cap.
6. Unclip field wires from spade terminal on each brush holder.
7. Release the carbon brush by lifting the spring from the back of the brush.
8. Reverse the above procedures to replace the brush assembly. Install new brush assemblies when the carbon brush is worn down to 1/2" (13mm).

SERVICING THE MOTORS: EV-30H

1. Unplug the power cord.
2. Wear gloves and an approved respirator if machine has been used for toxic material recovery.
3. Remove the four outer screws on top of the lid and gently lift.
4. Remove the six outer screws on the sub lid and gently lift.
5. Remove the two screws securing the motor cap.
6. Remove the two brush connection wires.
7. Remove the two screws securing the brush assemblies.
8. Reverse the above procedures to replace the brush assembly. Install new brush assemblies when the carbon brush is worn down to 1/2" (13mm).

CHANGING THE HEPA FILTER: VAC-2-HEPA and VAC-2D-HEPA

NOTE: Always wear gloves and an approved respirator when handling used filters.

1. Remove the HEPA filter. Place the used filter in a plastic bag.
2. Use a damp cloth to wipe down all inside surfaces of the lid and dispose of the cloth in the plastic bag along with the used filter. Tie the plastic bag off and mark it "**HAZARDOUS MATERIALS**" and dispose of it in accordance with local regulations.
3. Place HEPA filter assembly in tank and head.
4. Align pressure sensor pins on filter and vacuum head.
5. Check amber light - if light is on, pins are not aligned.

CHANGING THE HEPA FILTER: EV-30H

NOTE: Always wear gloves and an approved respirator when handling used filters.

1. Unplug the power cord and remove the vacuum head
2. The HEPA filter is resting on the lip of the tank. Remove the filter by lifting it out of the tank and placing it in a plastic bag.
3. Replace the collection bag and clean the tank as necessary, placing all refuse into the plastic bag.

4. Secure the plastic bag marking it **"HAZARDOUS MATERIALS"** or as appropriate.
5. Install a new collection bag and HEPA filter, ensuring that the gasket makes proper contact all the way around the lip of the tank.
6. Re-install the vacuum head.

END OF THE DAY CLEANUP

1. Follow the steps under "REMOVING CONTAMINATED FILTERS AND TANK CLEANING."
2. In addition, wipe down the outside of the tank and lid.
3. Wash out all hoses and tools.

TROUBLESHOOTING

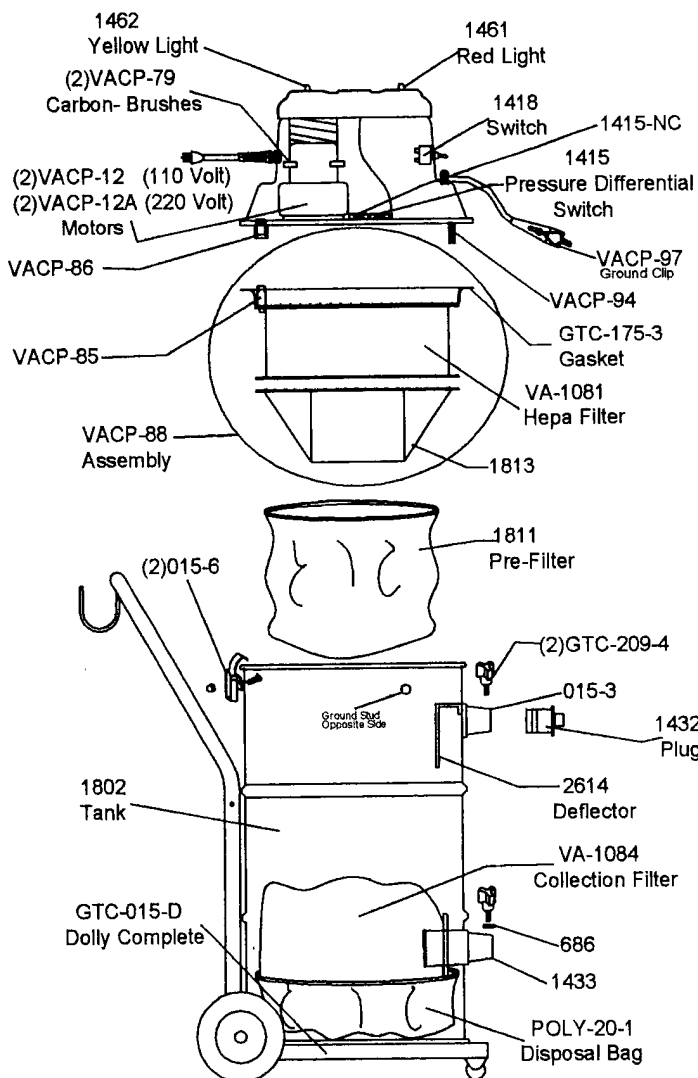
LOSS OF POWER:

- Check that cord is plugged in.
- Check fuse or circuit breaker.
- Check cord for breaks or loose contacts.
- Check switch.
- Check to see if tank is full of liquid (VAC-2- HEPA only).
- Check for clogged hose or intake.
- Check carbon brushes.

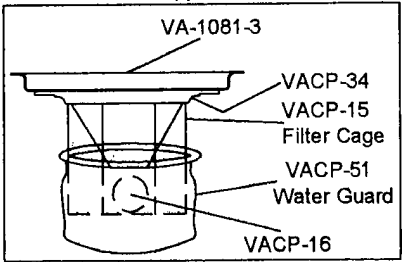
LOSS OF SUCTION:

- Check for clogged filters and replace paper collection bag if full.
- Check hoses and tools for obstructions or holes.
- Check vacuum intake for clogging.
- Check that tank is not too full.
- Check tank for holes.
- Check all gaskets and seals at lid and intakes.

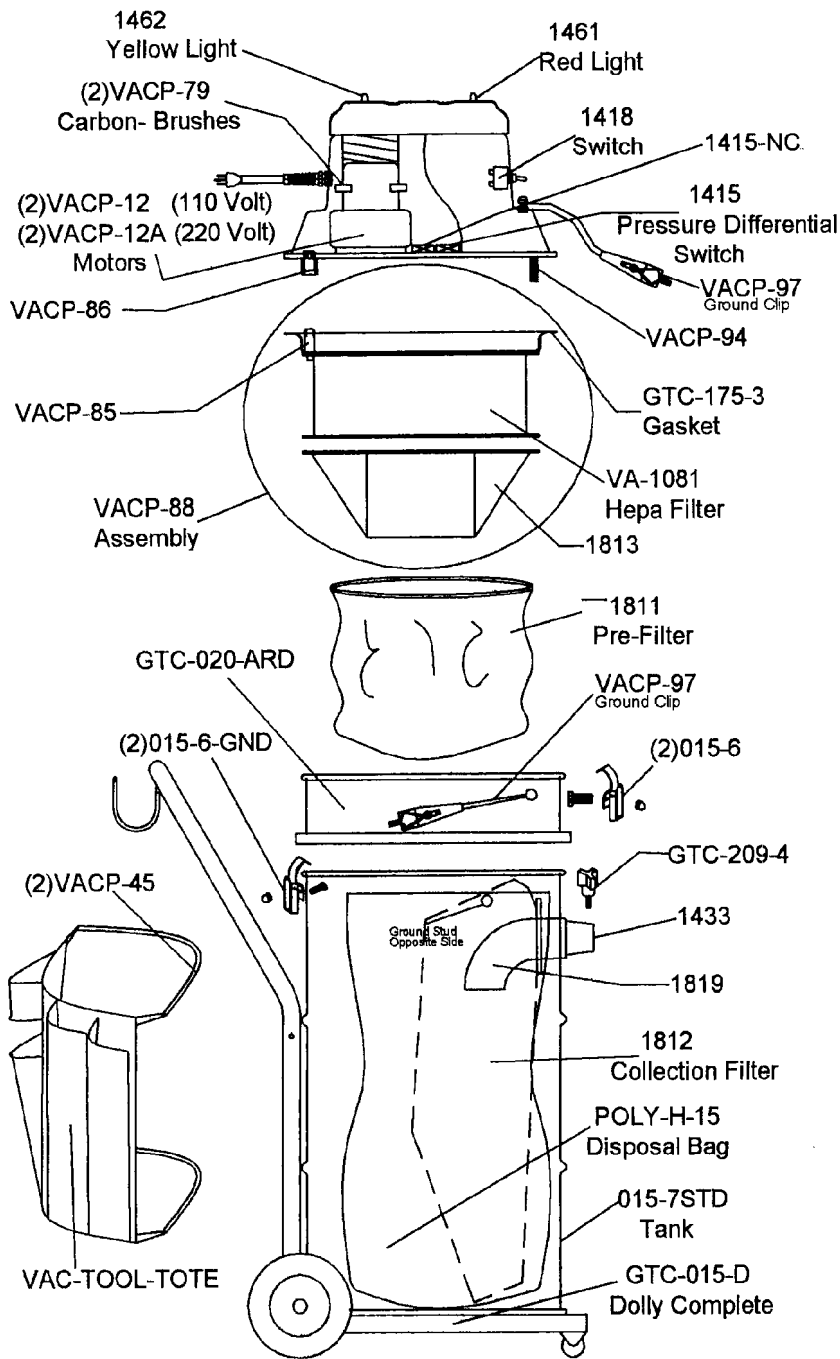
VAC-2-HEPA



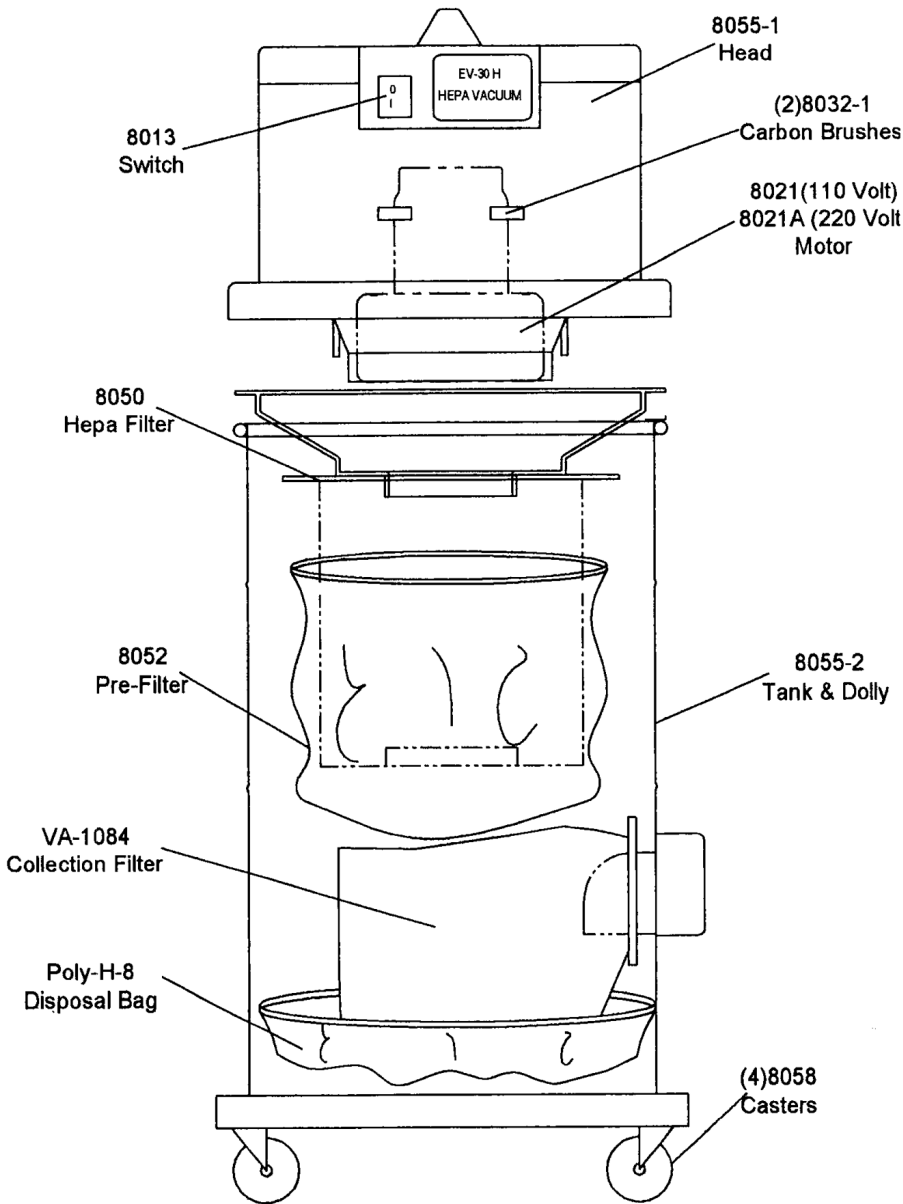
VACP-89
Assembly for
Wet Applications



VAC-2D-HEPA



EV-30H





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