Hoover®
WindTunnel™
Canister Cleaner

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Review this manual before operating cleaner.

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Important Safeguards!

When using an electrical appliance, always follow basic precautions, including the following:
READ ALL INSTRUCTIONS BEFORE USING THIS APPLIANCE

Warning: To reduce the risk of fire, electric shock or injury:

- Do not use outdoors or on wet surfaces.
- Close supervision is necessary when any appliance is used by or near children. Do not allow vacuum cleaner to be used as a toy or to run unattended at any time.
- Keep hair, loose clothing, fingers, feet and all parts of body away from openings, rotating agitator and other moving parts.
- Do not operate cleaner in bare feet or when wearing open toe shoes or sandals.
- Do not pick up anything that is burning or smoking, such as cigarettes, matches, or hot ashes.
- Do not use to pick up flammable or combustible liquids such as gasoline or fine wood sandings or use in areas where they may be present.
- The hose contains electrical wires. Do not use if damaged, cut or punctured.
- Always turn off this appliance before connecting or disconnecting hose or motorized nozzle.
- Do not operate cleaner in bare feet or when wearing open toe shoes or sandals.
- Do not use without dust bag or filters in place. Change bag frequently when picking up very fine materials such as powder.
- Use extra care when cleaning on stairs.
- Do not put any object into openings. Do not use with any opening blocked; keep free of dust, lint, hair, or anything that may reduce air flow.
- Do not pull or carry by cord, use cord as a handle, close door on cord or pull cord around sharp edges or corners. Do not run appliance over cord. Keep cord away from heated surfaces.
- Always disconnect cord from electrical outlet before servicing the cleaner.
- Unplug cleaner when not in use. Turn off all controls before unplugging.
- Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord. Never handle plug or appliance with wet hands.
- If cleaner has a cord reel, hold on to the plug while cord is being rewound to prevent cord from whipping.
- The use of an extension cord is not recommended.
- Do not use with damaged cord or plug. If appliance is not working as it should, has been dropped, damaged, left outdoors, Hoover Sales and Service Center or Authorized Hoover Warranty Service Dealer (Depot).
- Use vacuum cleaner only for its intended use as described in the instructions. Use only attachments recommended by Hoover; others may cause hazards.

1. Assembling cleaner

Hold plug until cord is rewound.
18. Tool lid: pull up on edge of lid in recessed area.
20. ON/OFF pedal: conveniently located on top of cleaner.
21. Hose connector
22. Receptacle: connect power

Carton contents

Save these instructions!
Unpack cleaner from carton and identify the parts shown. Remove and dispose of cardboard packing.

Continued → 3
Connect hose, wands and nozzle

1-2

nozzle cord to canister cleaner.

23. Carrying handle
This cleaner is intended for household use.

This cleaner was inspected and packaged carefully before being shipped from the factory. If you should happen to need assistance during assembly or operation, visit us online at hoover.com to find the service outlet nearest you (click on the “Service” button) or call 1-800-944-9200 for an automated referral of authorized service outlet locations (U.S. only) or call 1-330-499-9499 to speak with a representative in the Hoover Consumer Response Center.

Connect hose

With hose toward front of cleaner, push hose connector into opening in bag lid.

When hose is attached properly, hose cord plug will reach to receptacle on cleaner.

Insert plug as deeply into the receptacle as possible. Latch (A) will automatically fasten. Cleaner will not operate unless plug is inserted into receptacle.

To disconnect hose, first remove hose cord plug from receptacle while pulling out on latch. Then, depress buttons (shown in Fig. 1-2 by arrows) on hose connector and pull up.

Note: The flexible hose contains electrical wires for connection to the power nozzle and should not be used if damaged. The wires should not be seen through the outer skin.

Attach nozzle and wands

The wand with the storage clip connects to the power nozzle.

Attach it to power nozzle by fitting button projection (B) on nozzle connector (C) into opening near end of wand. Be sure nozzle is locked in place.

To release, press down on center of latch (D) and remove nozzle.

Attach second wand to the first.

Position cord into cord clips (E) on wands, placing excess cord between nozzle and bottom cord clip (located on wand storage clip).

To attach the hose to the extension wands, push latch (F) on the hand grip to the unlock symbol.

Push the hand grip (G) down onto wand so that the button projection (H) fits into the slot. Push the latch to the lock symbol to secure wand.

Push plug on power nozzle cord completely into receptacle underneath hand grip.

Always disconnect cleaner from electrical outlet before attaching or removing power nozzle plug.
2. How to use

Cleaner description

The assembled cleaner will look like one of these drawings.

A. Canister cleaner
B. WindTunnel™ powered nozzle
C. Extra paper bag (one bag is installed in cleaner)
D. Extension wands and hose
1. WindTunnel™ carpet and floor power nozzle: automatically adjusts to different carpet pile heights.
2. Headlight
3. Spring latch: locks extension wands together or locks wand to nozzle or tool.
4. Wand storage clip: place cleaner on end and hook clip onto bottom of cleaner.
5. Extension wands: used with rug and floor nozzle. One or both wands may be used with cleaning tools.
6. Wand/tool latch: used to lock hand grip to extension wands or cleaning tools.

7. Floor surface selector button:
   push button toward RUG for carpet cleaning or BARE for hard surface floor cleaning.
8. Hand grip
10. Dusting brush
11. Crevice tool
12. Hard floor tool
13. Furniture nozzle
14. Powered hand tool: stores in tool lid (some models)
15. Large wheels: provide easy towing when cleaner is pulled over carpet, area rugs and door sills.

Polarized plug
To reduce the risk of electric shock, this appliance has a polarized plug (one blade is wider than the other). This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install the proper outlet. Do not change the plug in any way.

Operate cleaner only at voltage specified on data plate on bottom of cleaner.
**ON-OFF switches**
After assembling cleaner, plug cord into electrical outlet. Turn cleaner on by depressing ON-OFF pedal (A). To turn cleaner off, depress pedal again. 
**Note:** Pedal opposite ON-OFF pedal is Cord Rewind Pedal (B).

**Deluxe power nozzle**
**Handle positions**
The handle has two positions when used with the power nozzle: upright and operating. To lower handle to operating position, place your foot firmly on the power nozzle and pull handle back.

**Floor surface selector**
**Carpet or rug cleaning**
When using the power nozzle for carpet and rug cleaning, push the floor surface selector button toward RUG (C). This setting provides the suction and agitator action necessary to deep clean carpets.

**Hard surface floor cleaning**
The power nozzle can be used for cleaning hard surface floors such as wood, linoleum, vinyl, asphalt and rubber tile, sealed cork, concrete and terrazzo, as well as carpet.

To set the power nozzle for hard surface floor cleaning, push the floor surface selector button toward BARE (D). This setting provides suction and no agitator action. If you prefer, you may use the wall/floor brush to clean bare floors.

You will find it particularly convenient when cleaning lightweight area rugs to set the floor surface selector button on BARE and continue cleaning the surrounding floor surfaces. 
**Note:** The headlight will be ON in both the RUG and BARE floor surface modes.

**Cleaning tools**
The cleaning tools are conveniently stored in the cleaner underneath the tool lid. Pull up on edge of lid in recessed area to open. The lid is also designed with a “break-away” feature which allows it to snap off if it is pushed open too far. To re-attach, align small knobs on hinge area of lid with slots at rear of cleaner; press lid back into place.

The cleaning tools have many uses. Select the tool best suited for the cleaning task from the following descriptions.

**Edge cleaning**
Special edge groomers are provided on both sides of the nozzle to remove dirt in carpet near baseboards and furniture. Guide side of nozzle parallel to edge of carpet or furniture as shown.
Select the proper tool

E. Crevice tool may be used in tight spaces, corners, and along edges in such places as dresser drawers, upholstered furniture, stairs and baseboards.

F. Furniture nozzle may be used for upholstered furniture, draperies, tapestries, mattresses, clothing, automobile interiors and carpeted stairs.

G. Dusting brush may be used for carved furniture, table tops, books, lamps, lighting fixtures, venetian blinds, baseboards, shutters and registers.

H. Hard floor tool may be used for walls and very irregular hard surface floors such as brick and slate.

I. Powered hand tool (some models) may be used for upholstered furniture, carpeted stairs, and hard to reach places.

How to connect

To use the cleaner with tools, disconnect the power nozzle from the hand grip. Tools may be attached directly to the hand grip. With the latch in the unlock position, insert tool (or wand if extra length is needed), then push latch to the lock position to secure.

How to store cleaner

The cleaning tools are conveniently stored in the cleaner, as shown. To replace the wall/floor brush, be sure to turn the connector toward the cord rewind pedal (J) before pushing the brush in place.

Wand storage clip

To save storage space, stand the cleaner on end and hook wand storage clip on bottom of cleaner. The nozzle must be positioned down as shown.

Lift up on wand to remove storage clip from cleaner.

How to clean stairs

Clean stairs by placing cleaner on

To remove the tool (or wand), push the latch to the unlock position. To connect tools to metal wands, insert end of tool into wand and snap into position. To disconnect, press down on the center of spring latch and remove tool.

Powered hand tool storage (some models)

The powered hand tool stores in the tool lid. To remove tool, grasp end of tool and pivot forward.
Filter bag

When to replace
When bag is filled with dirt, the cleaner will not operate efficiently. Discard used bag.

CAUTION: Very fine materials, such as face powder or cornstarch, may seal the paper bag and may cause it to burst even though it is only partially full of dirt. When the cleaner is used to remove material of this nature, change the bag often.

Where to buy
Filter bags may be purchased from Authorized Hoover Dealers (Depots), Leading Retailers, Hoover Sales and Service Centers, or through Hoover online at hoover.com.

What to buy
In order to maintain the original cleaning effectiveness and superior filtration qualities of your cleaner, use only Genuine HOOVER® Allergen Filtration Type S disposable filter bags. Regular HOOVER® Type S disposable bags also fit your cleaner and will give satisfactory performance.

To assure that your HOOVER cleaner operates at peak performance, it is imperative that you use only genuine HOOVER filter bags made by Hoover. HOOVER bags can be identified by these trademarks—

How to replace
Disconnect cleaner from electrical outlet.

3. Maintenance

Clearing blockages
Low suction or pick up may be due to a blockage in the system. Refer to the following steps to check for blockages, continuing with each step until the blockage is found:

1. Turn cleaner off and disconnect from electrical outlet; then disconnect power nozzle plug and wands from hand grip.

2-13

The powered hand tool (some models) is ideal for cleaning carpeted stairs. Use light pressure when cleaning with the powered hand tool as excessive pressure may cause the brushes to stall.

2-14

3. Maintenance

Filter bag
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How to replace
Disconnect cleaner from electrical outlet.

3-1

3-2

3-3

outlet.

Rotation hose to the side, lift bag lid latch and open bag lid. Carefully pull out used bag. Slide bag collar of new bag firmly into holder.

Fit sides of bag into bag cavity below seal (A).
Clear bag opening (B) by pushing the pierced paper through opening toward bag interior. Close bag lid.

**How to attach bag lid**

The bag lid and hinges are designed with a “break-away” feature. If the lid is pushed open too far, it will come off. It can be easily re-attached by aligning the hinges with the appropriate slots in the cleaner, as shown.

**Filters - secondary**

Disconnect cleaner from electrical outlet.

The secondary filter, located behind the grill in the bag compartment, protects the motor from dirt particles. If filter becomes dirty, pull off grill and lift out filter. Wash filter in warm water or replace it with a new one. A dry filter must be put back into cleaner.

Do not operate cleaner without secondary filter in place.

The micro filter aids in the filtration process to return clean air to the room. To remove this filter, open tool lid, remove dusting brush and pull up white filter cassette. If filter is dirty, open grid on cassette and remove filter. Wash filter in warm water or replace it with a new one. A dry filter must be put back into cleaner.

**Power nozzle belt replacement**

The belt in your power nozzle drives the agitator. It has been designed specifically for use in this cleaner and is important for effective operation.

**What to buy**

There are other belts manufactured that are similar in shape and size, but are not designed for the HOOVER power nozzle. Such belts do not operate the agitator correctly and may create stress which could damage your power nozzle.

Use only a genuine HOOVER belt part no. 40201-180 when a belt replacement is necessary.

**When to replace**

The belt should be checked from time to time to be sure it is in good condition. To check, remove the hood (see following section). Replace the belt if it is stretched, cut, or broken.

Disconnect cleaner from electrical outlet and disconnect power nozzle from extension wands.

**How to replace**

To remove hood, turn nozzle over and unscrew the 4 recessed Phillips head screws.

Note: Do not remove the 3 screws in the triangle formation as these hold the motor in place.

Return nozzle to original position and

Continued...
When to replace
Disconnect cleaner from electrical outlet.
When agitator brush roll brushes are worn, the brush roll should be replaced.
To check condition of brushes, move edge of a card across bottom plate while turning brush roll. To maintain cleaning effectiveness, replace brush roll if brushes do not touch card.

What to buy
When purchasing a new agitator brush roll, ask for HOOVER part no. 48414-071.

How to replace

Disconnect cleaner from electrical outlet.
1. Remove hood, duct cover, belt and brush roll as shown in Figs. 3-9 to 3-14.
2. Discard old brush roll.
3. Replace new brush roll and belt as shown in Figs. 3-15 to 3-17.

Headlight replacement
The headlight, located on top of the power nozzle, operates when the cleaner is turned on. Use only HOOVER part no. 27317-307, which is a fused bulb, when replacing the headlight.

How to replace
Disconnect cleaner from electrical outlet and disconnect power nozzle from extension wands.
1. Remove the hood as shown in Figs. 3-9 and 3-10.
2. Push old bulb into socket and twist to remove. Push new bulb into socket and twist into place.
3. Replace hood.

Thermal protector
An internal thermal protector has...
been used in your cleaner to prevent overheating if a large item or clog gets caught in the nozzle or at the opening of the bag.

**When the blockage is not removed, the thermal protector will trip and cleaner will stop running.** If this happens, turn cleaner OFF and disconnect cleaner from electrical outlet. Then disconnect nozzle and remove obstruction. Within 15 minutes the thermal protector will cool and automatically reset and cleaning may resume.

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**Edge groomer replacement**

**When to replace**
The edge groomers, located on both sides of the nozzle, should be replaced when they no longer extend past the surface of the bottom plate.

**What to buy**
When purchasing edge groomers, ask for Hoover part no. 39511-004.

**How to replace**
Disconnect cleaner from electrical outlet.
1. Remove hood and brush roll cover as shown in Figs. 3-9 to 3-12.
2. Pull off both old edge groomers (G).
3. Push each new groomer onto the 3 tabs (H), starting with one of the end tabs. Then push the groomer onto the middle and remaining end tab.
4. Replace brush roll cover and hood as shown in Figs. 3-16 and 3-17.

**Lubrication**
The motor is equipped with two bearings that contain sufficient lubrication for the life of the motor. The addition of lubricant could cause damage. **Therefore, do not add lubricant to either motor bearing.** The agitator brush roll is equipped with two ball bearings that should be lubricated periodically by a Hoover Sales and Service Center or an authorized Hoover Warranty Service Dealer (Depot).

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**Powered hand tool agitator brush roll replacement (some models)**
When agitator brush roll brushes are worn, the brush roll should be replaced. Ask for HOOVER part no. 48414-088.

**How to replace**
Disconnect cleaner from electrical outlet.
1. Remove tool from hose and turn it so bottom faces up. Press the latches on both sides of tool and remove bottom plate (A).
2. Unscrew the two Philips screws and remove belt guard (B).
3. Remove agitator including end plates (C) and discard.
4. Inspect belt to ensure that it is in good condition. If belt is cracked, gouged or broken, replace it (see following section).
5. Insert brush roll through belt and position belt over gear teeth (D) on brush roll.

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**Continued**
6. With curved ends down, slide end plates (C) of brush roll into slots (E) on tool.

7. Replace belt guard (B) making sure not to pinch brush bristles in guard. Turn agitator, making sure it rotates freely. Replace and tighten screws.

8. To replace bottom plate (A), insert the four tabs on edge of bottom plate into slots on front of tool. Pivot bottom plate down and snap closed.

**Powered hand tool belt replacement (some models)**

**Inspecting the belt**
The powered hand tool belt is designed to last a long time and is not normally replaced. However, if the belt is cracked, gouged or broken, it should be replaced.

**Replacing belt**
When replacing belt, ask for HOOVER part no. 38528-037.

1. Remove bottom plate, belt guard and brush roll as described in Figs. 3-21 through 3-23.
2. Grasp turbine (E) and pull firmly to remove.
3. Remove belt from turbine pulley (F). Replace with new belt.

4. With flat sides of turbine retainers (G) pointing down, slide retainers into grooves (H) on both sides of tool housing and snap into place.
5. Replace brush roll, belt guard, and bottom plate as described in Figs. 3-23 through 3-26.

**Service**
To obtain approved HOOVER service and genuine HOOVER parts, locate the nearest Hoover Sales and Service Center or Authorized Hoover Warranty Service Dealer (Depot) by:
- checking the Yellow Pages under “Vacuum Cleaners - Household” OR -
- checking the list of Sales and Service Centers provided with this cleaner OR -
- checking the Service section of Hoover online at hoover.com OR -
- calling 1-800-944-9200 for an automated referral of authorized service outlet locations (U.S. only).

Please do not send your cleaner to Hoover in North Canton, Ohio for service, this will only result in delay. If further assistance is needed, contact the Hoover Consumer Response Center, Phone: 330-499-9499.
In Canada, contact Hoover Canada, Burlington, Ontario L7R 4A8, Phone: 1-800-263-6376.

Always identify your cleaner by the complete model number when requesting information or ordering parts. (The model number appears on the bottom of the cleaner.)
4. If you have a problem

If a minor problem occurs, it usually can be solved quite easily when the cause is found by using the check list below.

Problem: Cleaner won’t run

Possible cause
Possible solution
• Not firmly plugged in.
  • Plug unit in firmly.
• No voltage in wall plug.
  • Check fuse or breaker.
• Blown fuse or tripped breaker.
  • Replace fuse/reset breaker.

Problem: Cleaner suction low

Possible cause
Possible solution
• Bag full.
  • Replace paper bag.
• Blockage in nozzle connector, hose or wands.
  • Remove blockage.
• Secondary filter dirty.
  • Clean filter.
• Bag not opened.
  • Open bag by pulling folds.
• Hose not properly connected to cleaner.
  • Ensure hose is properly connected.

Problem: Power nozzle agitator brush roll won’t run

Possible cause
Possible solution
• Hose power cord not firmly plugged in.
  • Plug firmly into receptacle on cleaner base.
• Broken or worn belt.
  • Replace belt.
• Floor surface set to BARE.
  • Set floor surface to RUG.

Problem: Powered hand tool brush roll won’t turn

Possible cause
Possible solution
• Too much pressure being applied to tool.
  • Continue using tool applying light pressure.
• Blockage in turbine channel.
  • Remove blockage.
• Broken or worn belt.
  • Replace belt.
• Low cleaner suction.
  • Check items under “Cleaner suction low”.

Problem: Nozzle won’t pick up

Possible cause
Possible solution
• Low cleaner suction.
  • See section “Cleaner suction low”.
• Blockage in nozzle connector.
  • Remove blockage.
• Agitator brush roll not running.
  • See section “Agitator brush roll won’t run”.
• Agitator brush roll brushes worn.
  • Replace brushes.

2. Plug cleaner in, turn on, and check hose end for suction. Remove any obstructions.
3. Remove power nozzle from wands and attach wands to hose. Check for suction and remove any blockages.

5. Disconnect powered hand tool (some models) from hose. Remove bottom plate, belt guard and turbine as described in Figs. 3-21, 3-22 and 3-29. Replace any blockage from turbine channel (B). Replace belt, turbine, brush roll, belt guard and bottom plate.

4. Make sure power nozzle plug is disconnected from hand grip. Then check for blockage in nozzle connector (A). Push nozzle connector down to lowest position. Look into nozzle connector and remove any blockage.

Familiarize yourself with these home maintenance tasks as proper use and care of your cleaner will ensure continued cleaning effectiveness.
**Full One Year Warranty**  
*(Domestic Use)*

Your HOOVER® appliance is warranted in normal household use, in accordance with the Owner’s Manual against original defects in material and workmanship for a period of one full year from date of purchase. This warranty provides, at no cost to you, all labor and parts to place this appliance in correct operating condition during the warranted period. This warranty applies when the appliance is purchased in the United States including its territories and possessions, or in Canada or from a U. S. Military Exchange. Appliances purchased elsewhere are covered by a limited one year warranty which covers the cost of parts only. This warranty does not apply if the appliance is used in a commercial or rental application. This warranty only applies when the product is in use in the country or territory in which it is purchased. Warranty service can only be obtained by presenting the appliance to one of the following authorized warranty service outlets. Proof of purchase will be required before service is rendered.

1. Hoover Sales and Service Centers.
2. Hoover Authorized Warranty Service Dealers (Depots).

For an automated referral of authorized service outlets in the U.S.A., phone 1-800-944-9200 OR visit Hoover online at hoover.com

This warranty does not cover pick up, delivery, or house calls; however, if you mail your appliance to a Hoover Sales and Service Center for warranty service, transportation will be paid one way. While this warranty gives you specific legal rights, you may also have other rights which vary from state to state. If further assistance is needed, or if there are questions concerning this warranty or the availability of warranty service outlets, phone the Consumer Response Center, Phone 1-330-499-9499.

In Canada, contact Hoover Canada, Burlington, Ontario L7R 4A8, 1-800-263-6376.

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**Fill in and retain**

The model and serial number are located on the bottom of the cleaner. For your personal records, please enter the COMPLETE model and serial number in the spaces provided and retain this information.

Your cleaner is model

and has serial number

It is suggested that you attach your sales receipt to this owner’s manual. Verification of date of purchase may be required for warranty service of your Hoover product.