Save This Manual
for Future Reference

SEARS

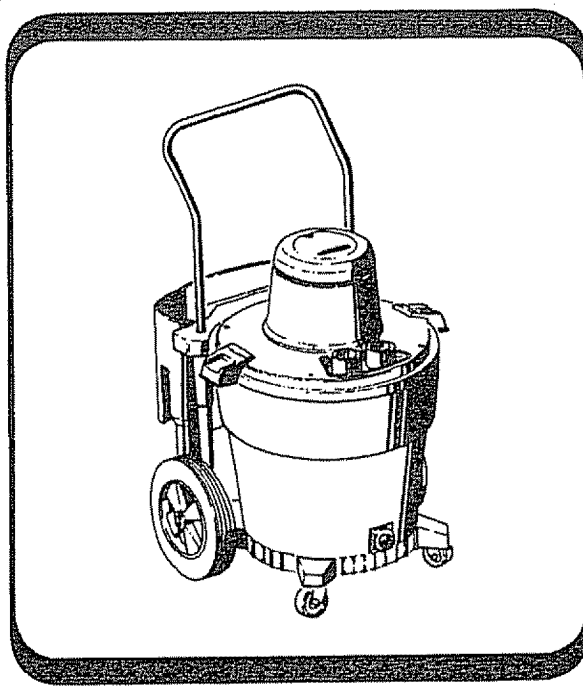
owner's manual

MODEL NO.
113.177990
VAC WITH CART
MODEL NO.
113.169240

Serial
Number _____
Model and serial numbers may be found on the handle. You should record both model and serial numbers in a safe place for future use.

FOR YOUR SAFETY

READ ALL INSTRUCTIONS CAREFULLY



SEARS / CRAFTSMAN®

16 GALLON COMMERCIAL WET/DRY VAC

- assembly
- operating
- repair parts

Sold by SEARS, ROEBUCK AND CO., Chicago, IL 60684 U.S.A.

Part No. SP5731

Printed in U.S.A.

FULL ONE YEAR WARRANTY ON CRAFTSMAN WET/DRY VACS

If within one year from the date of purchase, this Craftsman Wet/Dry Vac fails due to a defect in material or workmanship, Sears will repair it, free of charge.

If this Craftsman Wet/Dry Vac is used for commercial or rental purposes, this warranty coverage applies for only 90 days from date of purchase.

WARRANTY SERVICE IS AVAILABLE BY SIMPLY CONTACTING THE NEAREST SEARS SERVICE CENTER/DEPARTMENT THROUGHOUT THE UNITED STATES.
This warranty applied only while this product is used in the United States.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

SEARS, ROEBUCK AND CO., D817 WA,
Hoffman Estates, IL 60195

IMPORTANT SAFETY INSTRUCTIONS

When using your Wet/Dry Vac, follow basic safety precautions including the following.

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

Read and understand this owner's manual and all labels on the Wet/Dry Vac before operating. Use only as described in this manual. To avoid personal injury or damage to Wet/Dry Vac, use only Sears Craftsman recommended accessories

Sparks inside the motor can ignite flammable vapors or dust. To avoid fire or explosion:

- Do not vacuum, or use this Wet/Dry Vac near, flammable or combustible liquids, gases, or explosive dusts like gasoline or other fuels, lighter fluid, cleaners, oil-based paints, natural gas, hydrogen, coal dust, magnesium dust, grain dust, or gun powder.
- Do not use Wet/Dry Vac as a sprayer for any flammable or combustible liquid.

Do not vacuum anything that is burning or smoking, such as cigarettes, matches, or hot ashes.

To avoid health hazards from vapors or dusts, do not vacuum toxic materials.

Do not use or store near hazardous materials.

To avoid electric shock, 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.

Do not use this Wet/Dry Vac with a torn filter or without the filter installed except for vacuuming liquids as described in the operations section of this manual.

Do not leave Wet/Dry Vac when plugged in. Unplug from outlet when not in use and before servicing. Turn off Wet/Dry Vac before unplugging.

To avoid injury from accidental starting, unplug power cord before changing or cleaning filter.

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 your Wet/Dry Vac is not working as it should, has missing parts, has been dropped, damaged, left outdoors, or dropped into water, return it to a Sears Service Center.

Do not pull or carry by cord, use cord as handle, close a door on cord, or pull cord around sharp edges or corners. Do not run Wet/Dry Vac over cord. Keep cord away from heated surfaces.

Do not handle plug or the Wet/Dry Vac with wet hands.

Do not put any object into ventilation openings. Do not vacuum 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 body away from openings and moving parts

To avoid falls, use extra care when cleaning on stairs.

This Wet/Dry Vac is double-insulated, eliminating the need for a separate grounding system. Use only identical replacement parts. Read the instructions for Servicing Double-Insulated Wet/Dry Vacs before servicing.

Extension cords in poor condition or that are too small can pose fire and shock hazards. When using an extension cord, be sure it is in good condition. Using any extension cord will cause some loss of power. To keep the loss to a minimum, use the folowing table to choose the minimum wire size extension cord.

Extension Cord Length	Wire Size
0-50 feet	No. 14
50-100 feet	No. 12

Observe the following warnings that appear on the motor housing of your Wet/Dry Vac.



DOUBLE INSULATED, GROUNDING NOT REQUIRED. WHEN SERVICING USE ONLY IDENTICAL REPLACEMENT PARTS.

WARNING: To avoid electric shock- do not expose to rain-store indoors.

WARNING: For your own safety, read and understand owner's manual. Do not pick up hot ashes, coals, toxic, flammable or other hazardous materials. Do not use around explosive liquids or vapors.

Safety Signal Words

DANGER: means if the safety information is not followed someone **will** be seriously injured or killed

WARNING: means if the safety information is not followed someone **could** be seriously injured or killed.

CAUTION: means if the safety information is not followed someone **might** be injured

SAVE THESE INSTRUCTIONS

The operation of any utility vac can result in foreign objects being blown into the eyes, which can result in severe eye damage. Always wear safety goggles complying with ANSI Z87.1 (shown on package) before commencing operation. Safety Goggles are available at Sears retail stores.

To avoid hearing damage, wear ear protectors when using the vac for extended hours or when, using it in a noisy area.



Introduction

This Wet/Dry Vac is intended for either commercial or household use.

IMPORTANT NOTE
Please Read Carefully

Static Shocks Are Common - In dry areas or when the relative humidity of the air is low. To reduce the frequency of static shocks in your home the best remedy is to add moisture to the air with a console humidifier.

Owner's Manual Contents

Item	Page
Warranty Information	2
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Unpacking and Checking Carton Contents	4
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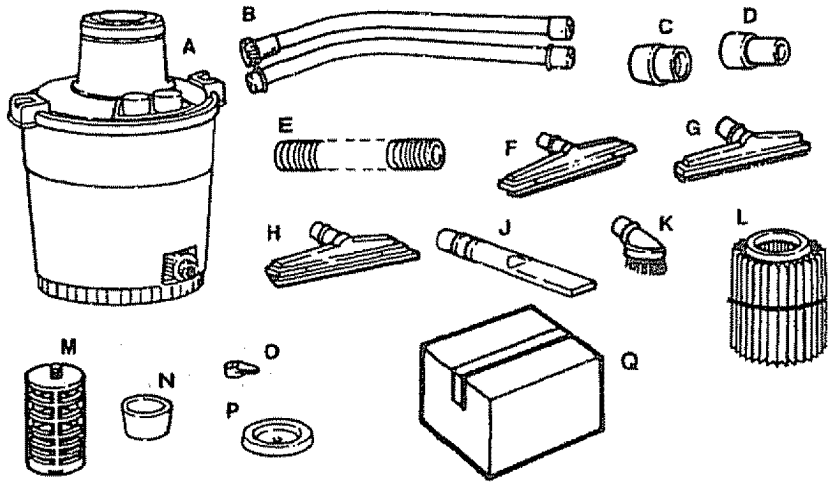
Unpacking and Checking Carton Contents

Remove entire contents of carton. Check each item against the Carton Contents List. Notify your Sears Store immediately if any parts are damaged or missing.

Carton Contents List

Key	Description	Qty.
A	Vac Assembly	1
B	Handle, Extension (2 pc)	1
C	Hose End Hard	1
D	Hose End Soft	4
E	Hose,1-1/2 Dia. 10 ft.	4
F	Carpet Nozzle	1
G	Floor Brush Nozzle	1
H	Squeegee Nozzle	1
J	Crevice Tool	1
K	Dusting Brush	1
L	Filter (Red Stripe)	1
M	Filter Cage	1
N	Float	1
O	Filter Nut	1
P	Filter Plate	1
Q	Vac Cart	1

Includes separate owners manual and unpacking instructions



Float/Cage Assembly

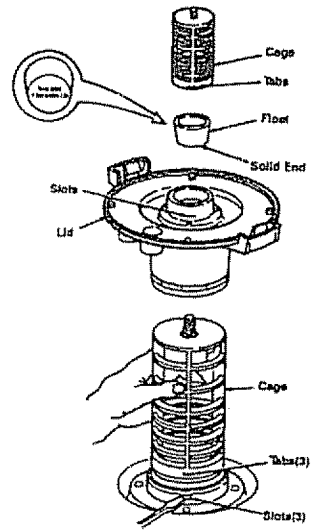
WARNING: For your own safety, never connect plug to power source outlet until all assembly steps are complete and you have read and understood the safety and operation instructions. Do not operate vac with any parts damaged or missing.

1. Place the lid assembly of vac upside down into the drum or on a clean smooth surface
2. Locate the float. Place the float over the opening in the center of the lid with the words "This Side Towards Lid" laying face down over the hole.

WARNING: To avoid personal injury or damage to vac be sure to keep hands, fingers, or any other foreign objects out of the center opening when assembling the float.

3. Line up filter cage tabs with the slots in the center ring of the lid assembly.
4. Push on the filter cage until the tabs snap into the slots for a secure fit.

NOTE: If filter cage needs to be removed, because the float is placed in the wrong way, use a slotted screwdriver and insert the blade near one of the tabs between the filter cage and the center ring of the lid. Pry the tab out of the slot. Tilt the cage and lift away from the lid. To replace, follow float/cage assembly instructions



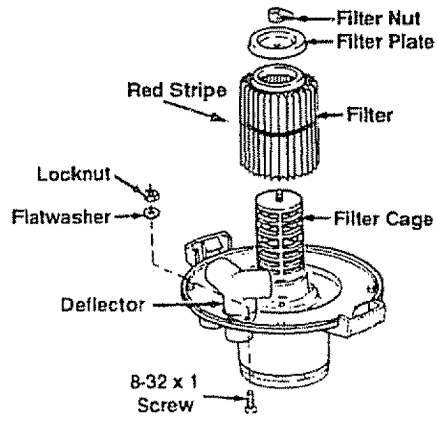
Filter/Deflector Assembly

1. Carefully slide the filter over the filter cage, sliding it over the center ring covering the 3 slots until the filter stops against the lid.
2. Place the hole in the filter plate over threaded screw of the filter cage.
3. Gently push on the filter plate to seat the rubber ring of the filter inside the circular channel of the filter plate.
4. Place filter nut onto threaded screw and tighten it. Finger tighten only.
5. Attach deflector to lid with two 8-32 x 1 pan head screws, flatwashers and 8-32 locknuts.

NOTE: Lever of filter nut should be away from plate as shown.

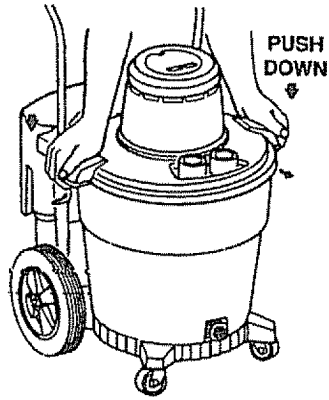
IMPORTANT: Do not overtighten as this may deform or crack the filter plate or filter cage.

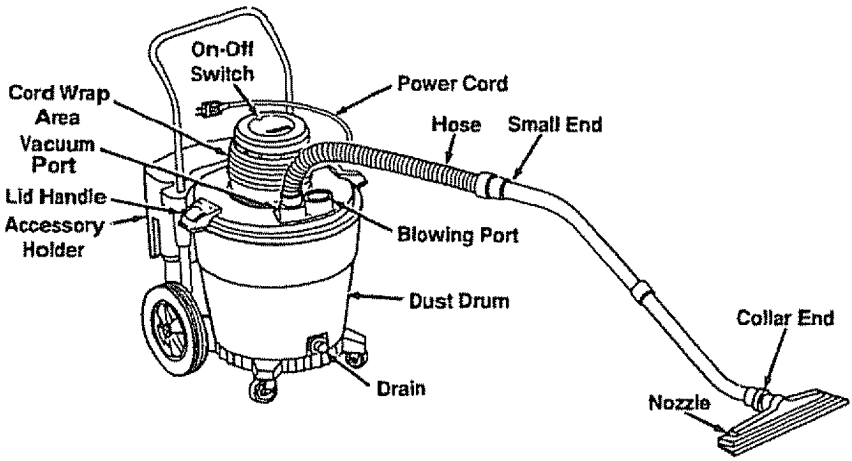
NOTE: Your filter has a red stripe that matches an in-store displayer. When you visit your local Sears store, just remember the color of your stripe for the correct size filter



Final Assembly

1. Assemble cart to dust drum. See separate instructions packed with vac cart.
2. Put the top on the dust drum by lining up the Vacuum Port with the drain in the dust drum and push down on both handles at once. Make sure that the locking tabs are snapped in place to prevent the lid from coming off.
3. Locate the hose and insert the plastic end into the vacuum .
4. Assemble extension handles, insure locking button snaps into hole on other handle.
5. Place end of hose over small end of extension handle.
6. Place appropriate accessory on collar end of wands.
7. Familiarize yourself with the controls and features of your vac as shown below





Operation

WARNING

To avoid fire or explosion, do not operate this vac in areas with flammable gases or flammable vapors such as lighter fluid, cleaners, oil-base paints, gasoline, alcohol or explosive dust such as coal, magnesium, grain or gun powder in the air. Do not vacuum explosive dust, flammable or combustible liquids or hot ashes. Do not use this vac as a sprayer for any flammable or combustible liquid. To avoid health hazards from vapors or dusts, do not vacuum toxic materials. To avoid electrical shock do not expose to rain. Store vac indoors. Unplug power cord before changing or cleaning filter or emptying the dust drum.

CAUTION: To reduce the risk of hearing damage wear ear protectors when using the vac for extended hours or when using it in a noisy area. The operation of any utility vac can result in foreign objects being blown into the eyes, which can result in severe eye damage. Always wear safety goggles complying with ANSI Z87.1 (shown on Package) before commencing operation. Safety Goggles are available at Sears retail stores.

Vacuuming Dry Materials

1. The filter must be in correct position at all times to avoid leaks and possible damage to vac
2. When using your vac to pick up very fine dust, it will be necessary for you to empty the drum and clean the filter at more frequent intervals to maintain peak vac performance

NOTE: A dry filter is necessary to pick up dry material. If you use your vac to pick up dust when the filter is wet, the filter will clog quickly and be very difficult to clean.

3. If your filter is wet but you need to use the vac to pick up dry material, you can quickly dry the filter by running the vac without hose attached for about 10 minutes. The clean air rushing through the vac will help dry the filter.

Vacuuming Liquids

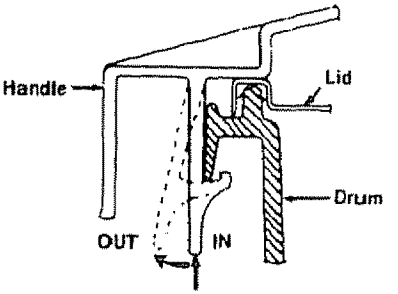
1. When picking up small amounts of liquid the filter may be left in place.
2. When picking up large amounts of liquid we recommend that the filter be removed. If the filter is not removed, it will become saturated and misting may appear in the exhaust.
3. After using the vac to pick up liquids, the filter must be dried to avoid possible mildew and damage to the filter.
4. When the liquid in the drum reaches a predetermined level, the float mechanism will rise automatically to cut off air-flow. When this happens, turn off the vac, unplug the power cord, and empty the drum. You will know that the float has risen because vac airflow ceases and the motor noise will become higher in pitch, due to increased motor speed.

IMPORTANT: To avoid damage to the vac do not run motor with float in raised position.

Emptying Dust Drum

WARNING: To avoid injury from accidental starting, unplug power cord before emptying the drum.

1. To remove lid to empty contents of drum, simply pull the flexible latches outward on each side of the lid to release from the drum



Flexible Locking Tab

2 While holding the latches out, lift the top assembly up and away from the drum.

3 Lay top assembly upside down on a clean area while emptying drum or changing filter.

4 Dump the drum contents into the proper waste disposal container.

5 Another option is to use the drain provided in the drum for easy emptying of liquids. Simply inscrew the drain cap and tilt the drum in a manner so the liquid flows out the drain hole.

WARNING: To avoid back injury or falls, do not lift a vac heavy with liquid or debris. Scoop or drain enough contents out to make the vac light enough to lift comfortably.

Cord Wrap

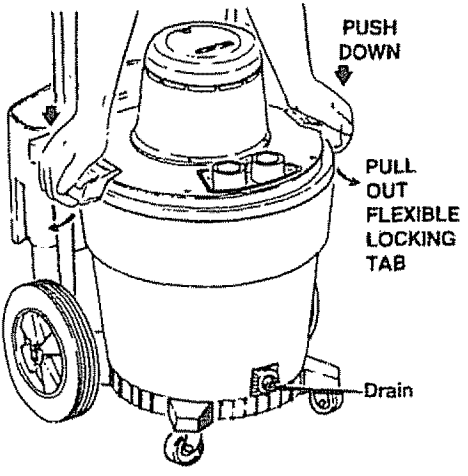
1. When vacuuming is complete, unplug the cord and wrap it around the motor cover.

Moving the Vac

1 Should it become necessary to pick the vac up to move it, DO NOT pick the vac up by the lid handles

Removing the Lid

1 Remove lid assembly from dust drum Push down on both handles at once, while pulling out on both flexible locking tabs. With locking tabs in "out" position, lift lid away from dust drum.



Filter Maintenance

WARNING: To avoid injury from accidental starting, unplug power cord before changing or cleaning filter.

Cleaning

Your filter should be cleaned often to maintain peak vac performance.
Be sure to dry the filter before storing or picking up dry debris.

NOTE: This filter is made of high quality paper designed to stop very small particles of dust. The filter can be used for wet or dry pick up. Handle the filter carefully when removing to clean or installing it. Creases in the filter pleats may occur from installation but creases will not affect the performance of the filter.

Removal

To remove the filter for cleaning or replacement, remove filter nut from the screw on the filter cage, remove filter plate and lift off filter.

IMPORTANT: To avoid damage to the blower wheel and motor, always reinstall the filter before using the vac for dry material pick-up.

WARNING: Do not remove the filter cage. It is there to help prevent your fingers from getting into the blower wheel.

Dry Filter

1 Some removal of dry debris can be accomplished without removing the filter from the vac by slapping your hand on top of the lid while the vac is turned off.

2 For best results of cleaning due to accumulated dust, clean the filter in an open area. Cleaning SHOULD be done outdoors and not in the living quarters.

3 After filter removal from vac, remove the dry debris by gently tapping the filter against the inside wall of your dust drum and the debris will loosen and fall.

4 For thorough cleaning of dry filter with fine dust (no debris) you may run water through it as described under "Wet Filter"

Wet Filter

After filter is removed, a wet filter should be cleaned by running water through it from a hose or spigot. Take care that water pressure from the hose is not strong enough to damage filter.

IMPORTANT: After cleaning, check the filter for tears or small holes. Do not use a filter with holes or tears in it. Even a small hole can cause a lot of dust to come out of your vac. Replace it immediately.

Installation

Refer to page 5, "Filter Assembly".
Allow the filter to dry before re-installing and storing the vac.

Wet/Dry Vac Maintenance

To keep your Wet/Dry Vac looking its best, clean the outside with a cloth dampened with warm water and mild soap.

To clean the drum:

1. Dump debris out.
2. Wash drum thoroughly.
3. Wipe out with dry cloth.

WARNING: To assure product SAFETY and RELIABILITY, repairs and adjustment should be performed by Sears Service Centers, always using Sears replacement parts.

NOTE: If your casters are noisy, you may put a drop of oil on the roller shaft to make them quieter.

Repair Parts

16-GALLON WET/DRY VAC
Model Number 113.177990
Always order by Part Number - Not by Key Number

Key No.	16 Gallon 113.177990 Part No.	Description
1	9-16909	† Hose (Includes Key No. 2 & 3)
2	73240	Hard Hose End
3	73241	Soft Hose End
4	9-17816	† Filter Assembly (Red stripe)
5	73317	Filter Plate
6	73316	Filter Nut
7	809544-3	Drum
8	73185	Drain Cap
9	73362	Filter Cage
10	73349	Float
11	STD541408	*Nut, Lock No. 8-32
12	STD551008	*Washer, 3/16 x 1/2 x 3/64
13	28229-01	Deflector
14	25969	Gasket
15	STD601005	*Screw, Pan Hd. Type "T" 10-24 x 1/2
16	25972-01	Handle
17	819066	Lid Assembly (Includes Key No. 14)
18	810364-2	Gasket
19	819067	Motor Mounting Plate
20	73352	Nut Hex, Flange 1/4-20
21	15534-1	Washer
22	818413-2	Blower Wheel
23	818961	Spacer
24	819069	Collector
25	STD510802	*Screw, Pan Hd. 8-32 x 5/16
26	20866	Gasket
27	73242	Ferrule
28	STD610807	*Screw, Pan Hd. Type B No. 8 x 3/4
29	STD510810	* Screw, Pan Hd. 8-32 x 1
30	818802-8	Motor (Includes Key Nos. 20 thru 23)
31	STD611010	*Screw, Pan. Hd. Type B No. 10 x 1
32	819074	Motor Cover
33	73239	Dome
34	STD611005	*Screw, Pan Hd. Type AB No. 10 x 5/8
35	73180	Toggle Switch
36	STD510805	*Screw, Pan Hd. 8-32 x 7/16
-	SP5731	Owners Manual
		For parts illustration of Vac Cart See model no. 113.169240

†Stock Item - May Be Secured Through The Hardware Department Of Most Sears Retail Stores

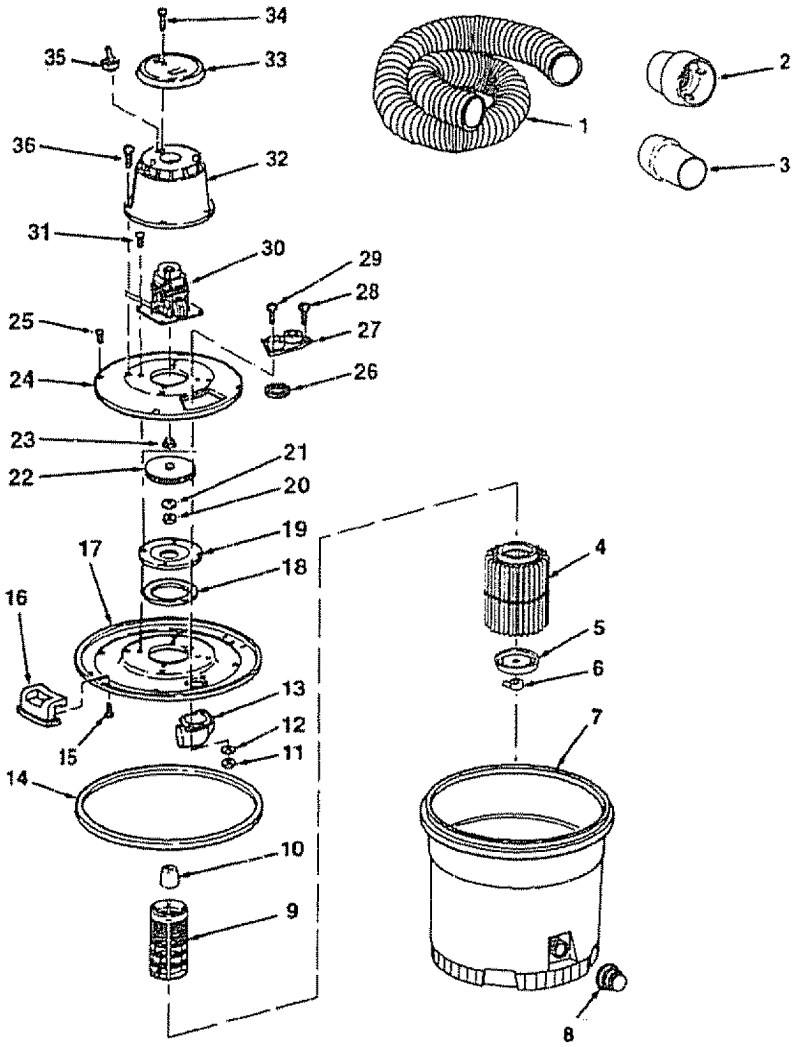
*Standard Hardware Item - May Be Purchased Locally

16 GALLON WET/DRY VAC MODEL 113.177990

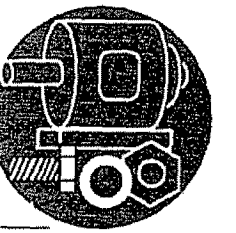
WARNING

SERVICING OF DOUBLE-INSULATED WET/DRY VAC

In a double-insulated Wet/Dry Vac, two systems of insulation are provided instead of grounding. No grounding means is provided on a double-insulated appliance, nor should a means for grounding be added. Servicing a double-insulated Wet/Dry Vac requires extreme care and knowledge of the system, and should be done only by qualified service personnel. Replacement parts for a double-insulated Wet/Dry Vac must be identical to the parts they replace. Your double-insulated Wet/Dry Vac is marked with the words "DOUBLE INSULATED" and the symbol ⧈ (square within a square) may also be marked on the appliances.



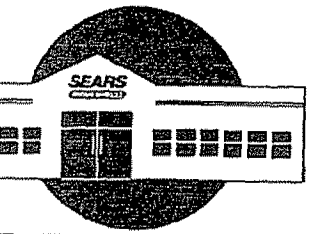
For the repair or replacement parts you need
Call 7 am - 7 pm, 7 days a week
1-800-366-PART
(1-800-366-7278)



For in-home major brand repair service
Call 24 hours a day, 7 days a week
1-800-4-REPAIR
(1-800-473-7247)



For the location of a Sears Repair Service Center in your area
Call 24 hours a day, 7 days a week
1-800-488-1222



For information on purchasing a Sears Maintenance Agreement or to inquire about an existing Agreement
Call 9 am - 5 pm, Monday-Saturday
1-800-827-6655



SEARS
REPAIR SERVICES
America's Repair Specialists

The model number will be found on the side of the handle.

When requesting service or ordering parts, always provide the following information:

- **Product Type**
- **Part Number**
- **Model Number**
- **Part Description**

Sears, Roebuck and Co., Hoffman Estates, IL. 60179 U.S.A.

Part No. SP5731 Form No. SP5731-2 Printed in U.S.A. 5/96