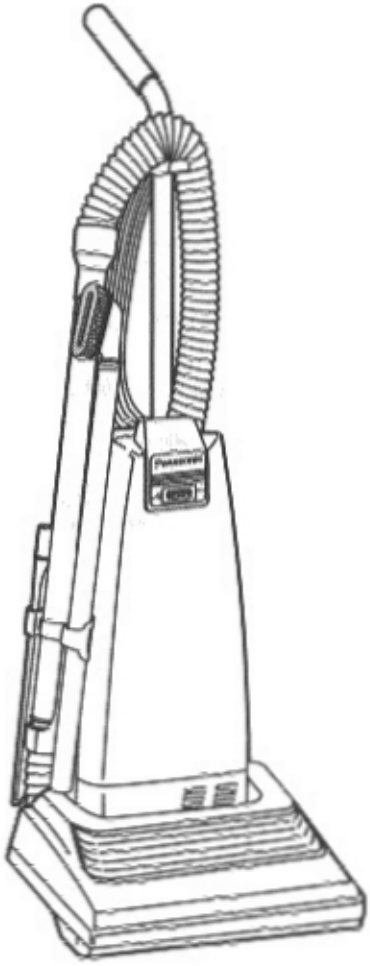
Panasonic®

VACUUM CLEANER
Aspiradora

MC-V5248

Operating Instructions
Instrucciones de operación



Performance Plus
PLATINUM

Before operating your vacuum cleaner, please read these instructions completely.

Antes de usar su aspiradora, lea completamente estas instrucciones por favor.

CØ1ZBJHØØUDØ

CONSUMER INFORMATION

Please read IMPORTANT SAFETY INSTRUCTIONS on page 5 before use. Read and understand all instructions.

TO OUR VALUED CUSTOMER

We are very pleased to welcome you to the Panasonic family of products. Thank you for purchasing this product. Our intent is that you become one of our many satisfied customers.

Proper assembly and safe use of your vacuum cleaner are your responsibilities. Your vacuum cleaner is intended only for household use. The cleaner should be stored in a dry, indoor area. Read the Operating Instructions carefully for important use and safety information.

Special care is required when vacuuming certain types of carpet or floor covering. Always check the carpet or floor covering manufacturer's recommended cleaning instructions before vacuuming.

PLEASE PAY CLOSE ATTENTION TO ALL WARNING AND CAUTION STATEMENTS.

WARNING

WARNING statements are designed to alert you to the possibility of personal injury, loss of human life, and/or damage to the vacuum cleaner and/or personal property if the instructions given are not followed.

CAUTION

CAUTION statements are designed to alert you to the possibility of damage to the vacuum cleaner and/or personal property if the instructions given are not followed.

WARNING

TO AVOID ELECTRICAL SHOCK

Never vacuum damp or wet surfaces or liquids.
DO NOT store machine outdoors.
Replace worn or frayed power cord immediately.
Unplug from outlet when not in use and before servicing.

TO AVOID ACCIDENTS

Except for hand-held cleaners, keep machine on floor - not chairs, tables, steps, stairs, etc.
Store machine promptly after each use to prevent accidents such as tripping over power cord or machine.
Use machine and accessories only in a manner intended by the manufacturer.
The use of an extension cord is not recommended.

©2001 Matsushita Electric Industrial Co., Ltd. All rights reserved.

TABLE OF CONTENTS / *Tabla de contenido*

CONSUMER INFORMATION / *Información para consumidor* 2-3
IMPORTANT SAFETY INSTRUCTIONS
Instrucciones importantes de seguridad 5-6
PARTS IDENTIFICATION / *Identificación de piezas* 7

ASSEMBLY / *Montaje* 8
Attaching Handle / *Colocación del mango* 8
Using Cord Hook / *Uso del sujetador del cordón* 8
Tool Storage / *Almacenaje de herramientas* 9

FEATURES / *Características* 10
Automatic Self Adjusting Nozzle / *Boquilla de ajuste automático* 10
Edge Cleaning / *Limpieza para orillas* 10
Motor Protector / *Protector de motor* 10
Vac Gauge / *Indicador de aspiración* 11

TO OPERATE CLEANER / *Para operar la aspiradora* 12
Power Cord / *Cordón eléctrico* 12
ON-OFF Switch / *Control ON-OFF* 12
Handle Adjustments / *Ajustes del mango* 12
Using Tools (Optional Accesories) /
Uso de herramientas (accesorios opcionales) 13

ROUTINE CARE OF CLEANER / *Cuidado de rutina de la aspiradora* 14
Replacing Secondary HEPA Filter /
Cambiar el filtro de HEPA secundario 14
Changing Dust Bag / *Cambio de la bolsa de polvo* 15
Removing and Installing Lower Plate /
Cambiar y Insertar de la base inferior 16
Replacing Headlight Bulb / *Cambio de la bombilla* 16
Replacing Belt / *Cambio de la correa* 17
Cleaning Agitator / *Limpieza del agitador* 17
Replacing Brushes / *Cambiar los cepillos* 18
Cleaning Exterior and Tools / *Limpieza del exterior y de los herramientas* 19
Removing Clogs / *Quitar de los residuos de basura en los conductos* 19

BEFORE REQUESTING SERVICE / *Antes de pedir servicio* 20-21
WARRANTY / *Garantía* 22-23
WHAT TO DO WHEN SERVICE IS NEEDED / *Cuando necesita servicio* 24

IMPORTANT SAFETY INSTRUCTIONS

When using vacuum cleaner, basic precautions should always be followed, including the following:

READ ALL INSTRUCTIONS BEFORE USING THIS VACUUM CLEANER

WARNING

To reduce the risk of fire, electrical shock, injury:

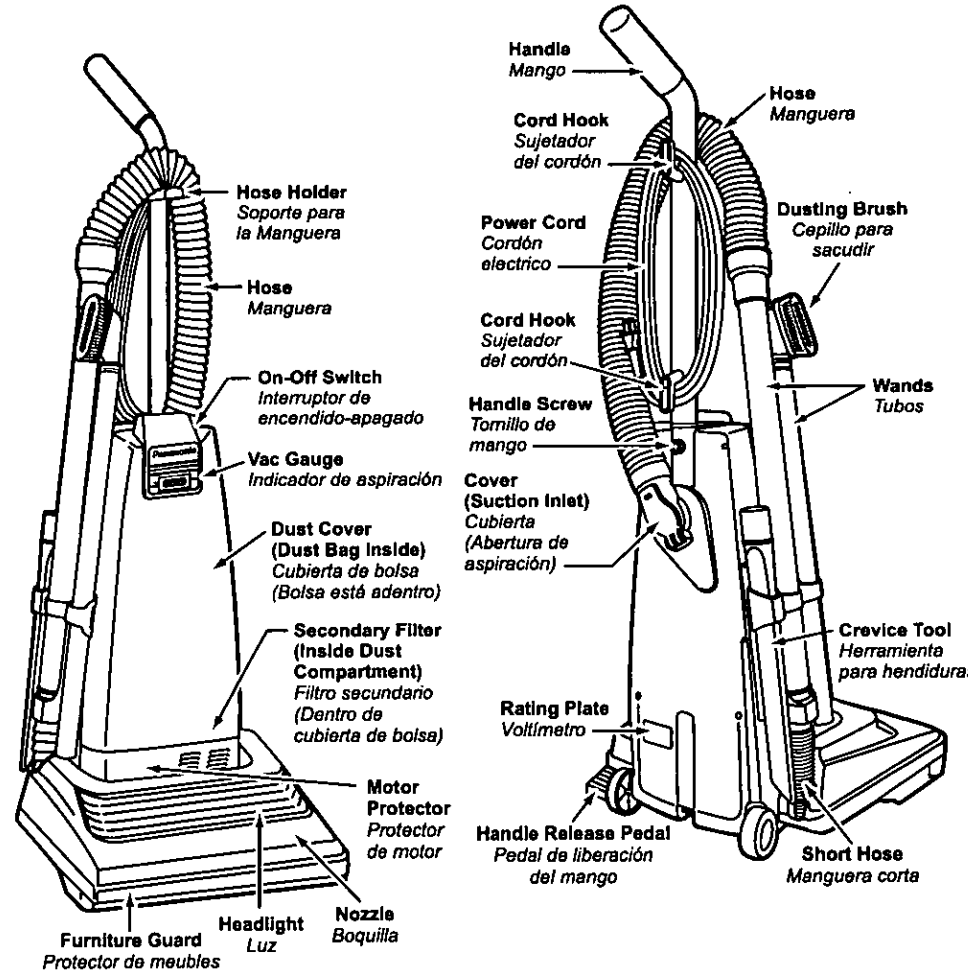
1. **DO NOT** leave vacuum cleaner when plugged in. Unplug from outlet when not in use and before servicing.
2. To reduce the risk of fire, electric shock - **DO NOT** use outdoors or on wet surfaces.
3. **DO NOT** allow to be used as a toy. Close attention is necessary when used by or near children.
4. Use only as described in this manual. Use only manufacturer's recommended tools.
5. **DO NOT** use with damaged cord or plug. If vacuum cleaner is not working as it should, has been dropped, damaged, left outdoors, or dropped into water, return it to an authorized Panasonic Servicenter.
6. **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 vacuum cleaner over cord. Keep cord away from heated surfaces.
7. **DO NOT** unplug by pulling on cord. To unplug, grasp the plug, not the cord.
8. **DO NOT** handle plug or vacuum cleaner with wet hands.
9. **DO NOT** put any objects into openings. **DO NOT** use with any opening blocked; keep free of dust, lint, hair, and anything that may reduce air flow.
10. Keep hair, loose clothing, fingers, and all parts of body away from openings and moving parts.
11. **DO NOT** pick up anything that is burning or smoking, such as cigarettes, matches, or hot ashes.
12. **DO NOT** use without dust bag and/or filters in place.
13. Turn off all controls before unplugging.
14. Use extra care when cleaning on stairs.
15. **DO NOT** use cleaner to pick up flammable or combustible liquids such as gasoline or use in areas where they may be present.

SAVE THESE INSTRUCTIONS

THIS VACUUM CLEANER IS INTENDED FOR HOUSEHOLD USE ONLY

Note: Before you plug in your Panasonic vacuum cleaner, make sure that the voltage indicated on the rating plate located at the back of the vacuum cleaner is the same as your local supply.

PARTS IDENTIFICATION
Identificación de piezas



FEATURE CHART / *Diagrama de características*
(PANASONIC UPRIGHT VACUUM)
(Aspiradora vertical Panasonic)

FEATURES *Características*	Power *Voltaje*	Vac Gauge *Indicador de aspiración*	Cord Length *Extensión de cordón*	Tools *Herramientas*
Model / *Modelo* **MC-V5248**	**120V AC(60Hz)** **12.0 A** / 12,0 A	**Yes** *Si*	**9.1 m (30 Ft.)** *9,1 m (30 pi)*	**Yes** *Si*

ASSEMBLY / *Montaje*

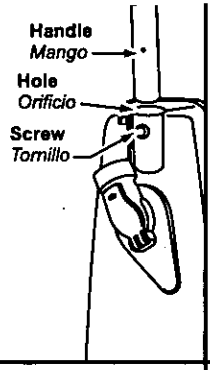
Attaching Handle / *Colocación del mango*

1)

➢ **DO NOT plug in until assembly is complete**
No enchufe hasta que el montaje esté completo

➢ **Remove handle screw**
Quite el tornillo del mango

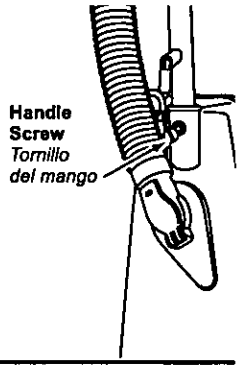
➢ **Insert handle**
Instale el mango



2)

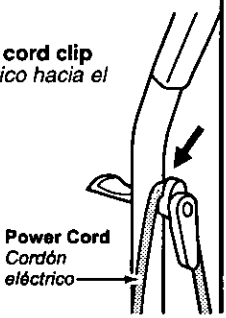
➢ **Insert screw**
Instale el tornillo

➢ **Tighten screw**
Apriete el tornillo



3)

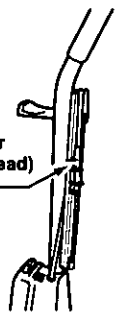
➢ **Push power cord into cord clip**
Empuje el cordón eléctrico hacia el soporte del cordón



4)

➢ **Wrap power cord around cord hooks**
Envuelva el cordón eléctrico alrededor de los ganchos de cordón

➢ **Secure retainer (plug head) to power cord**
Asegure la clavija en el cordón eléctrico

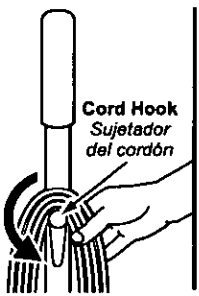


Using Cord Hook / *Uso del sujetador del cordón*

1)

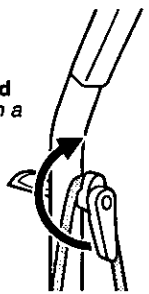
➢ **Detach plug head from power cord**
Desconecte el clavija del cordón eléctrico

➢ **Rotate cord hook down to release cord**
Ruede hacia abajo el sujetador del cordón para librerarlo



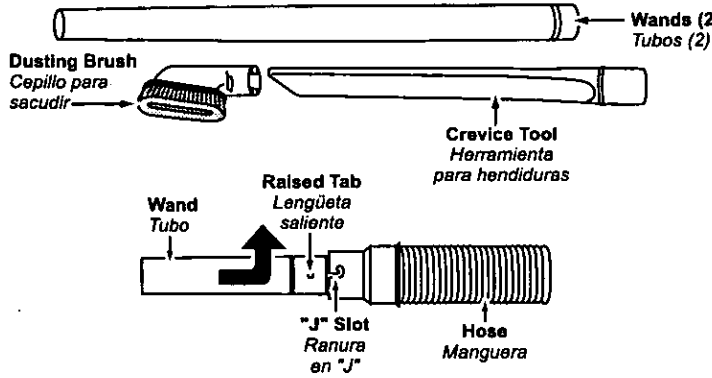
2)

➢ **Return the cord hook to the upright position before attempting to rewind the cord**
Devuelva el gancho del cordón a la posición vertical antes de tratar de rebobinar el cordón

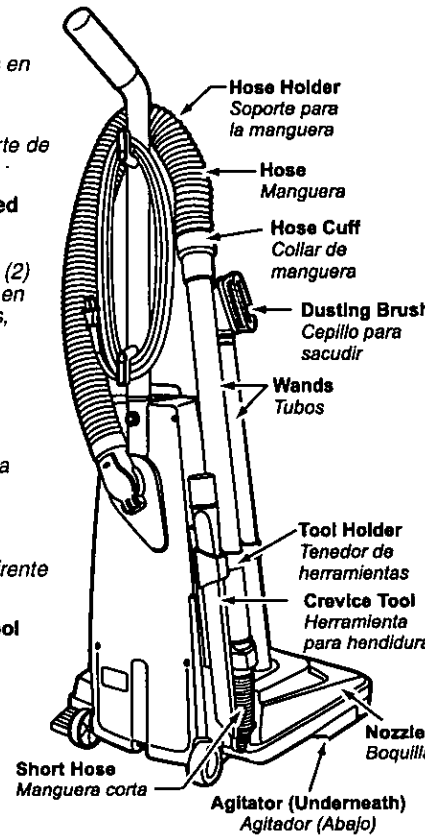


Tool Storage / *Almacenaje de herramientas*

Tools / *Herramientas*

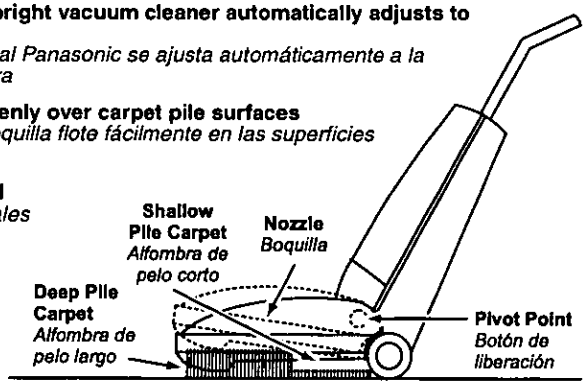


- **Some tools may already be stored on vacuum cleaner**
  Es posible que ya se almacenen unas herramientas en la aspiradora
- **Place hose in front of handle on hose holder**
  Coloque la manguera en la parte enfrente del soporte de manguera
- **Attach wand to hose by aligning the two (2) raised tabs on wand with "J" slots in hose, guide tabs along grooves, twist to lock in place**
  Para conectar el tubo a la manguera, alinee las dos (2) lengüetas levantadas en el tubo con las ranuras "J" en la manguera. Mueva las lengüetas hacia las ranuras, ruédelas para asegurar
- **Place wand in center slot of tool holder, twisting and pushing down over short hose to assure a good connection**
  Meta el tubo en la ranura central del soporte de herramientas, rodando y empujando hacia abajo a la manguera corta para asegurar una conexión buena
- **Store other wand in front slot of tool holder with dusting brush in top of wand**
  Almacene el otro tubo con el cepillo de polvo en el frente del soporte de herramientas
- **Place crevice tool into rectangular rear slot of tool holder**
  Coloque la herramienta para tapices en la ranura posterior y rectangular del soporte de herramientas
- **Refer to PARTS IDENTIFICATION section for tool location**
  Véase la sección de "Identificación de piezas" para la ubicación de las herramientas



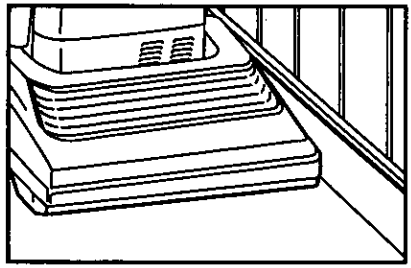
Automatic Self Adjusting Nozzle
Boquilla de ajuste automático

- **The nozzle of your Panasonic upright vacuum cleaner automatically adjusts to any carpet pile height**
  La boquilla de su aspiradora vertical Panasonic se ajusta automáticamente a la altura de cualquier pelo de alfombra
- **Feature allows nozzle to float evenly over carpet pile surfaces**
  La característica permite que la boquilla flote fácilmente en las superficies del pelo de alfombra
- **No manual adjustments required**
  No se requieren los ajustes manuales

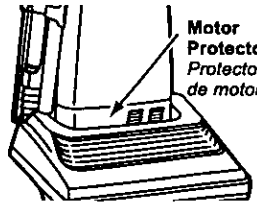


Edge Cleaning / *Limpieza para orillas*

- **Edge cleaning feature provides for improved cleaning of carpets near walls and furniture**
  Use la característica de limpieza para orillas para aspirar con facilidad cerca de las paredes y los muebles

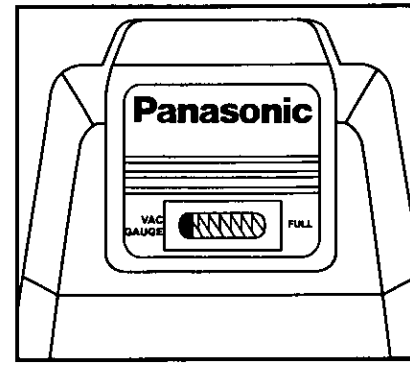


Motor Protector / *Protector de motor*



- **Automatically trips to prevent the motor from overheating when a clog occurs or when dust bag needs changing**
  Se para automáticamente para que el motor no caliente demasiado cuando hay unos residuos o cuando se necesita cambiar la bolsa de polvo
- **During this time the headlight remains on**
  Se queda encendida la luz durante este tiempo
- **Turn vacuum off, unplug power cord from outlet to allow vacuum to cool and the motor protector to reset, remove any clogs**
  Apague la aspiradora, desenchufe el cordón eléctrico del enchufe de pared para que la aspiradora se enfríe y que el protector del motor se encienda de nuevo, quite los residuos
- **Wait approximately thirty (30) minutes, plug vacuum in, turn on to see if motor protector has reset. Motor protector will not reset if vacuum is not turned off even if vacuum cools down**
  Espere unos treinta (30) minutos, enchufe la aspiradora, encienda para ver si el protector del motor han encendido. El protector del motor no se enciende si la aspiradora no está apagada aunque la aspiradora se enfría

Vac Gauge / *Indicador de aspiración*



- **The vac guage detects when dust bag needs changing or the vacuum is clogged** /
  El indicador de aspiración detecta cuando se necesita cambiar la bolsa para polvo o hay residuos en la aspiradora
- **Check dust bag when vac guage indicates FULL** /
  Revise la bolsa para polvo cuando el indicador de aspiración muestra FULL (LLENO)
- **If dust bag is full, change bag according to CHANGING DUST BAG section** /
  Si la bolsa para polvo está lleno, cambie la bolsa según la sección "Cambiar de la bolsa para polvo"
- **If dust bag is not full, check for clogs according to REMOVING CLOGS section** /
  Si la bolsa para polvo no está lleno, revise si hay residuos según la sección "Quitar de los residuos de basura en los conductos"

TO OPERATE CLEANER
Para operar la aspiradora

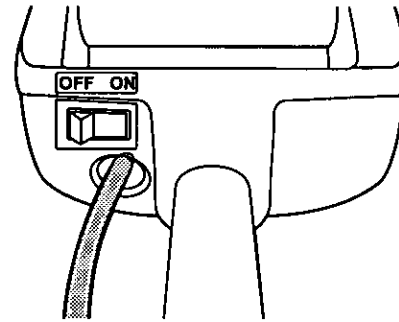
Power Cord / *Cordón eléctrico*

NOTE: To reduce the risk of electrical shock, this vacuum 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. Only use outlets near the floor.

Nota: *Para reducir el riesgo de choque eléctrico, esta aspiradora cuenta con una clavija polarizada, uno de los contactos es más ancho que el otro. La clavija sólo puede insertarse de una manera en el enchufe. Si la clavija no cabe bien en el enchufe, inviértala. Si aún no cabe, llame a un electrista para que instale un enchufe correcto. No altere la clavija de ninguna manera. No altere la clavija de ninguna manera. Use solamente las tomas de pared cercas del suelo.*

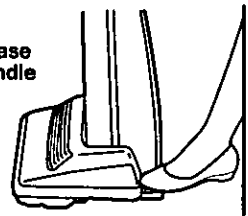
ON-OFF Switch / *Control ON-OFF*

- **Ensure ON-OFF switch is OFF**
  Asegúrese de que el control ON-OFF esté en la posición OFF
- **Plug the power cord into 120V outlet**
  Enchufe el cordón eléctrico en una toma de pared de 120 V
- **ON position turns vacuum on**
  La posición ON enciende la aspiradora
- **OFF position turns vacuum off**
  La posición OFF apaga la aspiradora

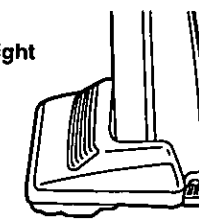


Handle Adjustments / *Ajustes del mango*

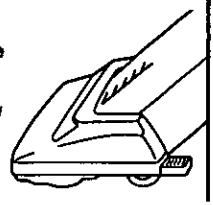
1)
- **Step on handle release pedal to change handle position**
  Pise en el pedal de liberación del mango para cambiar la posición del mango



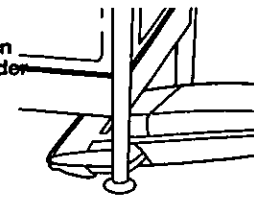
2)
- **Move vacuum to upright position for storage and tool use**
  Mueva la aspiradora a la posición vertical para el amenace y el uso de las herramientas



3)
- **Move vacuum to middle position for normal use**
  Mueva la aspiradora a la posición mediana para el uso normal

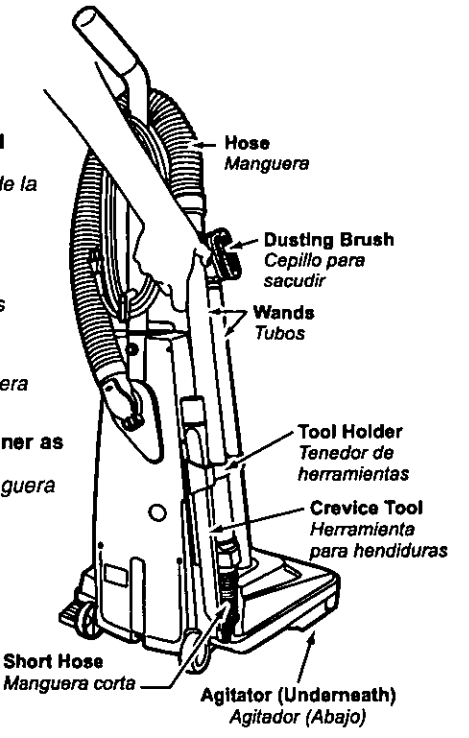


4)
- **Use low position for cleaning under furniture**
  La posición baja para limpiar debajo de los muebles



Using Tools / *Uso de herramientas*

- **Agitator rotates when using tools, use care to ensure that nothing comes into contact with agitator**
  El agitador gira cuando se utilizan las herramientas, tenga cuidado que nada toque el agitador
- **Remove wand from short hose by twisting and pulling up**
  Rodando y levantando hacia arriba quite el tubo de la manguera corta
- **The tools can be attached to hose, wand or crevice tool**
  Se puede conectar las herramientas con la manguera, el tubo o la herramienta de hendiduras
- **DO NOT overextend your reach with hose as it could tip vacuum**
  No extienda demasiado la extensión de la manguera porque puede causar que la aspiradora vuelque
- **Place all tools and hose back in the same manner as shown in TOOL STORAGE**
  Coloque otra vez todas las herramientas y la manguera del mismo modo que se ve en "Almacenaje de herramientas"



TOOL USE / *Uso de herramientas*

	CLEANING AREA / *Área para limpiar*				
TOOL / *Herramienta*	**Furniture** *Meubles*	**Cushions** *Cojines*	**Drapes** *Cortinas*	**Stairs** *Escaleras*	**Walls** *Paredes*
CREVICE TOOL *Herramienta para hendiduras*	X	X	X	X	X
DUSTING BRUSH *Cepillo para sacudir*	X		X	X	X

Always clean tools before using
Siempre limpie las herramientas antes de usarlas

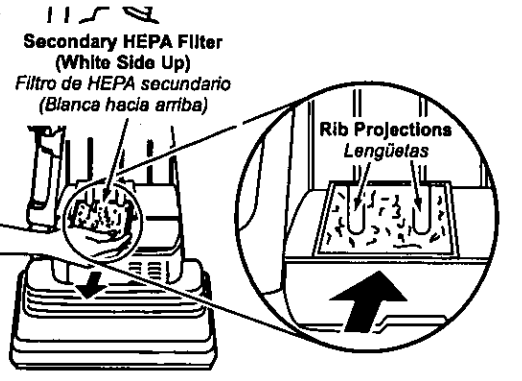
ROUTINE CARE OF CLEANER
Cuidado de rutina de la aspiradora

Performing the following tasks will keep your new Panasonic vacuum cleaner operating at peak performance levels and will ensure these high levels for years to come. Check the BEFORE REQUESTING SERVICE section in this manual for recommendations on performing some of these tasks to help solve various problems that may occur.

Siguiendo las instrucciones dadas, se nueva aspiradora Panasonic funcionará al nivel máximo y continuará funcionando por mucho años en el futuro. Lea la sección "Antes de pedir servicio" en este manual para las recomendaciones para arreglar unos problemas que puedan ocurrir.

Replacing Secondary HEPA Filter
Cambiar el filtro de HEPA secundario

- **Secondary HEPA filter protects the motor**
  El segundo filtro de HEPA protege el motor
- **Check filter when installing a new dust bag**
  Al instalar una nueva bolsa de polvo revise el filtro
- **If dirty, pull filter from bottom of dust compartment and replace**
  Si esté sucio, tire del filtro del fondo del compartimento de polvo y cambiar
- **Place new filter, white side up, in dust compartment, DO NOT CLEAN WITH WATER***
  *Meta el nuevo filtro, el lado blanca hacia arriba, en el comportamiento, NO LIMPIE CON AGUA**



- **Ensure filter is fully inserted under plastic rib projections**
  Asegúrese de que el filtro está instalado debajo de las lengüetas plásticas

***Filter cannot be cleaned and should be replaced at least once each year**
**No se puede limpiar el filtro y se debe cambiarlo a lo menos una vez cada año*

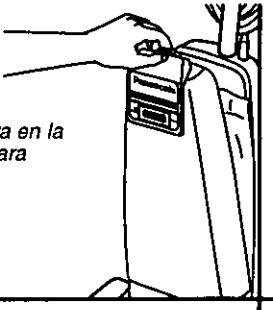
Changing Dust Bag
Cambio de la bolsa para polvo

Always operate vacuum with genuine Panasonic Type U3 Standard or U6 Electrostatic dust bags installed. Panasonic dust bags may be purchased through any authorized Panasonic dealer or ordered from service company.

Siempre opere la aspiradora con las bolsas Panasonic Type U3 Standard U6 Electrostatic instaladas. Se puede comprar las bolsas de polvo en cualquier vendedor autorizado Panasonic o mandar de una compañía de servicio

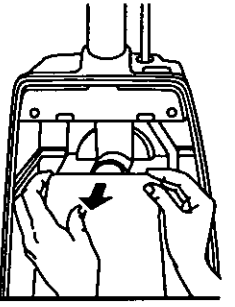
1)

➢ **Pull outward on dust cover grip to remove the dust cover**
Empuje hacia afuera en la cubierta de polvo para quitarla



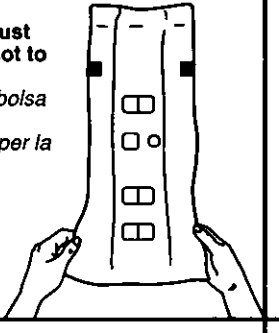
2)

➢ **Remove dust bag by grasping cardboard portion and pulling out**
Agarre la parte de cartón de la bolsa y empuje hacia afuera para quitar la bolsa de polvo



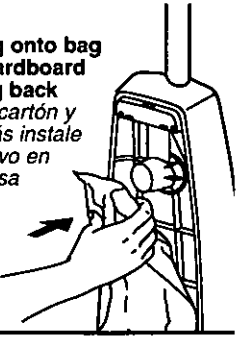
3)

➢ **Spread out new dust bag, taking care not to tear bag**
Extienda la nueva bolsa de polvo teniendo cuidado de no romper la bolsa



4)

➢ **Attach new dust bag onto bag holder by holding cardboard portion and pushing back**
Teniendo la parte de cartón y empujando hacia atrás instale la nueva bolsa de polvo en el soporte para la bolsa



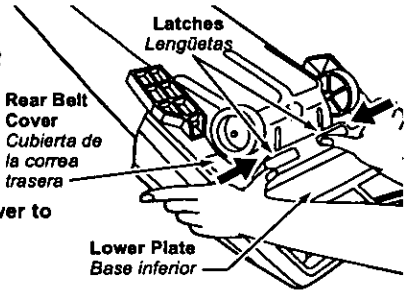
5)

➢ **Reinsert tab on end of dust cover into groove on dust compartment to allow cover to rotate closed**
Reinstale la lengüeta en el extremo de la cubierta de polvo en la ranura en el compartimento de polvo para que la cubierta ruede hasta la posición cerrada

6)

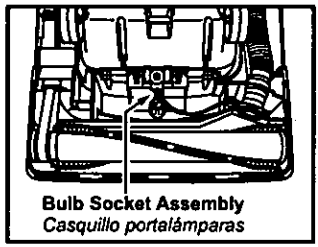
➢ **Rotate dust cover up into closed position and press into place without pinching dust bag**
Ruede la cubierta de polvo hasta la posición cerrada y apriétela en su lugar sin apretar la bolsa de polvo

Removing and Installing Lower Plate
Cambiar y insertar de la base inferior



- **Before servicing any parts, disconnect vacuum from electrical outlet**
  Desenchufe la aspiradora de la toma de pared antes de hacerles servicio a las piezas
- **Place paper under nozzle anytime lower plate is removed to protect floor**
  Siempre coloque un papel debajo de la boquilla para proteger el suelo cada vez se quita la base inferior
- **Place handle in upright position and turn vacuum over to expose lower plate**
  Coloque el mango en la posición vertical y vuelque la aspiradora para exponer la base inferior
- **Release lower plate by pressing two (2) latches inward**
  Para liberar la place inferior, apriete hacia adentro los dos (2) lengüetas
- **Remove lower plate and remove any residue that may exist in belt area**
  Quite la base inferior y quite los residuos que exista en el área de la correa
- **Close the rear belt cover and reinstall lower plate by hooking front end of lower plate into slots on front of nozzle housing**
  Cierre la cubierta de la corea posterior y instale otra vez la placa inferior enganchando el extremo delantero de la placa inferior en las ranuras en la parte delantera del montaje de la boquilla
- **Make sure all wires are routed properly and not pinched**
  Asegúrese de que las alambres estén dirigidas bien y no estén apretadas
- **Press lower plate into place then push two (2) latches outward**
  Apriete la placa inferior en su lugar apropiado y luego empuje hacia afuera los dos (2) lengüetas

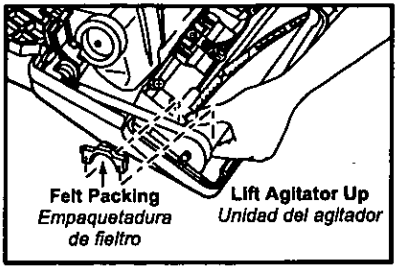
Replacing Headlight Bulb / *Cambio de la bombilla*

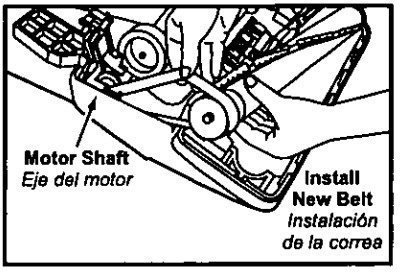


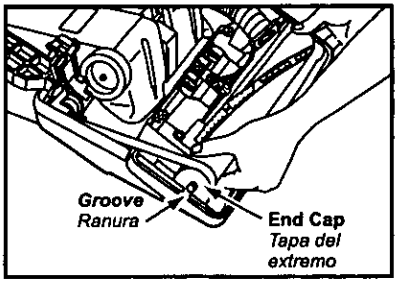
- **Remove lower plate /**
  Quite la base inferior
- **Remove bulb socket screw, grasp the bulb socket assembly and pull upward while moving it back and forth /**
  Quite el casquillo de portabombillas, y garre el casquillo portalámparas y levante al moverlo hacia trasera y delantera
- **Remove old bulb from the bulb socket assembly by pushing in while turning counterclockwise /**
  Quite la bombilla vieja del casquillo portalámparas al empujar hacia adentro y rodar en el sentido contrario de las agujas de reloj al mismo tiempo
- **Replace bulb by pushing in while turning clockwise /**
  Reemplace la bombilla empujando hacia adentro y rodando en el sentido de las agujas de reloj al mismo tiempo
- **Only use a bulb rated 130 V AC-15 Watts or less /**
  Use solamente una bombilla de 130 V AC-15 vatios o de menos voltios
- **Replace bulb socket assembly into nozzle housing by pushing it back down into slot and reinstall bulb socket screw /**
  Reemplace el casquillo portalámparas en el montaje de boquilla empujándolo hacia abajo en la ranura y instale otra vez el casquillo de portabombillas
- **Reinstall lower plate /**
  Reemplace la base inferior

Replacing Belt / *Cambio de la correa*

- **Replace belt whenever a burning rubber smell caused by excessive slippage occurs** / *Cambie la corea cuando ocurra un olor de goma que quema causado por un patinaje excesivo*
- **Remove lower plate**
  Quite la base inferior
- **Lift rear belt cover and remove felt packing**
  Levante la cubierta de la corea posterior y quite el embalaje de fieltro
- **Remove agitator by carefully lifting out**
  Al levantar con cuidado quite el agitador
- **Remove worn or broken belt**
  Quite la correa gastada o rota
- **Loop new belt (Panasonic Type UB8 only) around motor shaft and brush pulley; see illustration for correct belt routing**
  Envuelva la correa nueva (Panasonic Type UB8 solamente) en el eje del motor y la polea de cepillo, véase el diagrama para envolver la correa
- **Clean agitator**
  Limpie el agitador
- **Reinstall agitator back into nozzle housing grooves**
  Reinstale el agitador en las ranuras del compartimento de la boquilla
- **Close rear belt cover and reinstall felt packing**
  Cierre la cubierta de la corea posterior y instale otra vez el embalaje fieltro
- **After reinstalling the agitator, turn it by hand to make sure that belt is not twisted or pinched and that all rotating parts turn freely**
  Después de instalar el agitador, ruede a mano para que asegure que la correa no esté torcida ni apretada y que rueden libremente todas las piezas rodantes
- **Reinstall lower plate** /
  Reemplace la base inferior

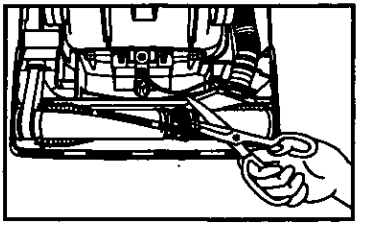






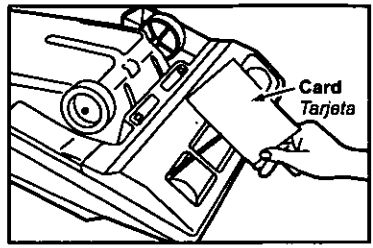
Cleaning Agitator / *Limpieza del agitador*

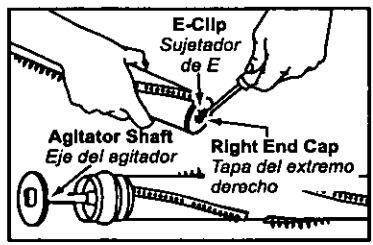
- **Clean agitator after every five uses and every time the belt is replaced**
  Limpie el agitador después de cada cinco utilizaciones y cada vez que se cambia la correa
- **Remove lower plate**
  Quite la base inferior
- **Cut off any carpet pile and lint entangled around agitator with a pair of scissors**
  Corte con unas tijeras el pelo de alfombra y la pelusa envueltos en el agitador
- **Reinstall lower plate**
  Reemplace la base inferior

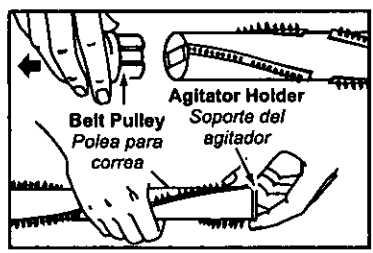


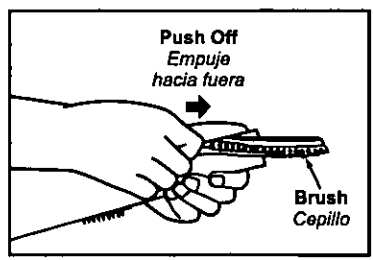
Replacing Brushes / *Cambiar los cepillos*

- **When the bristles on the agitator are worn so that they do not touch a card held across the lower plate, the brushes should be replaced**
  Cuando los cepillos del agitador estén gastados hasta que no pueden tocar una tarjeta tenida en la base inferior, se deben cambiar los cepillos
- **Remove lower plate and agitator**
  Quite la base inferior y el agitador
- **Remove the E-clip from agitator shaft and end cap**
  Quite el gancho E del eje del agitador y la tapita del extremo
- **Do not bend agitator shaft or lose E-clip**
  No tuerca el eje del agitador o pierda el gancho E
- **Pull agitator shaft out of agitator body**
  Tire hacia afuera del eje del agitador del montaje del agitador
- **Pull, or pry out, agitator holder and belt pulley**
  Tire, o arranque, el soporte del agitador y la polea de corea
- **Push each brush out of agitator body as shown**
  Empuje hacia afuera cada cepillo del montaje del eje como se muestra
- **Install new brushes by reversing procedure**
  Instale los nuevos cepillos usando el trámite opuesto
- **Reinstall agitator holder and agitator pulley completely**
  Instale otra vez el soporte del agitador y la polea del agitador por completo
- **Reinstall the agitator shaft, end cap and E-clip**
  Instale otra vez el eje del agitador, la tapita del extremo y el gancho E
- **See exploded view below for correct assembly of parts**
  Véase el diagrama grande abajo para el almacenaje correcto de piezas
- **Position belt over belt pulley on the agitator**
  Coloque la corea sobre la polea de corea en el agitador
- **Reinstall agitator and lower plate**
  Reemplace el agitador y la base inferior

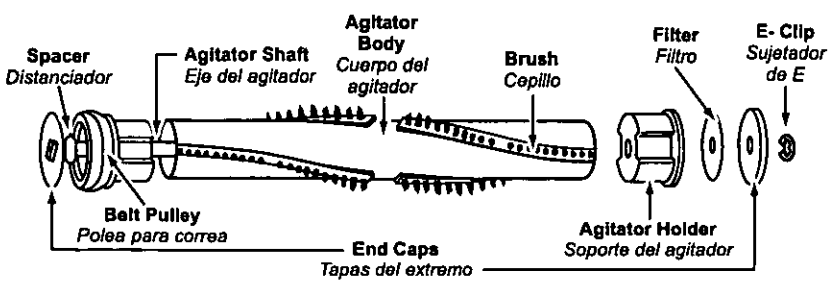








Agitator Assembly / *Montaje de agitador*



Cleaning Exterior and Tools

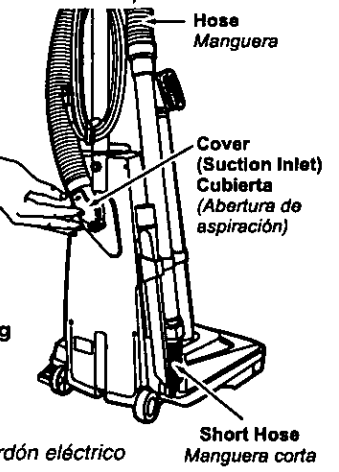
Limpieza del exterior y de los herramientas

- **Unplug cord from wall outlet**
  Desenchufe de la toma en la pared
- **Clean exterior using a clean, soft cloth that has been dipped in a solution of mild liquid detergent and water and wrung dry**
  Limpie la parte exterior con un trapo suave y limpio que se ha metido en una solución de detergente líquido y agua y se ha escurrido hasta que esté seco
- **DO NOT drip water on cleaner, wipe dry after cleaning**
  No deje caer el agua en la aspiradora, seque con un trapo después de limpiarla
- **DO NOT clean tools in dishwasher or clothes washer**
  No limpie las herramientas en el lavaplatos ni en la lavadora de ropa
- **Wash tools in warm soapy water, rinse and air dry**
  Lave las herramientas en la tibia agua con jabón, enjuague y seque al aire
- **DO NOT use tools if they are wet**
  No use las herramientas si están mojados

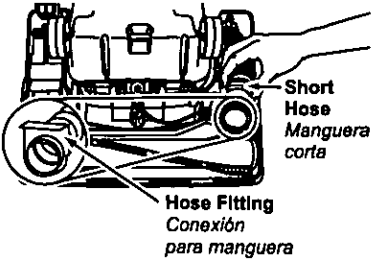
Removing Clogs

Quitar de los residuos de basura en los conductos

The hose located on the back of the vacuum cleaner carries the dirt from the nozzle up to the dust bag. If the hose should become clogged:
La manguera situada en la parte posterior de la aspiradora lleva el polvo de la boquilla hasta la bolsa de polvo. Si hay residuos en la manguera:



- **Unplug vacuum**
  Desenchufe la aspiradora
- **Pull open suction inlet cover and check for clogging**
  Tire de la cubierta de aspiración y revise por los residuos
- **Disconnect wand from short hose and check wand and hose**
  Desconecte el tubo de la manguera corta y revise por residuos en el tubo y en la manguera
- **Plug in vacuum cleaner and turn on**
  Enchufe la aspiradora y enciéndala
- **Disconnect wand and stretch hose in and out to remove clog**
  Desconecte el tubo y estire la manguera hasta la extensión máxima y ínima para quitar los residuos
- **If clog still exists, turn vacuum cleaner OFF and UNPLUG POWER CORD**
  Si ya hay los residuos, apague la aspiradora y desenchufe el cordón eléctrico
- **Remove lower plate**
  Quite la base inferior
- **Remove short hose from nozzle by lifting straight up**
  Levante hacia arriba para quitar la manguera corta de la boquilla
- **Inspect hose end and clear any obstructions**
  Revise el extremo de la manguera y quite los obstáculos
- **Reinstall short hose and lower plate**
  Reemplace la manguera corta y la base inferior



BEFORE REQUESTING SERVICE

WARNING *Electrical Shock or Personal Injury Hazard.*

Disconnect the electrical supply before servicing or cleaning the unit. Failure to do so could result in electrical shock or personal injury from cleaner suddenly starting.

Review this chart to find do-it-yourself solutions for minor performance problems. Any service needed, other than those described in these Operating Instructions, should be performed by an authorized service representative.

PROBLEM	POSSIBLE CAUSE	POSSIBLE SOLUTION
Cleaner will not run.	1. Unplugged at wall outlet.	1. Plug in firmly. Push ON-OFF switch to ON.
	2. ON-OFF switch not turned on.	2. Push ON-OFF switch to ON.
	3. Tripped circuit breaker/blown fuse at household service panel.	3. Reset circuit breaker or replace fuse.
	4. Tripped motor protector.	4. Unplug vacuum, wait thirty (30) minutes, plug in and switch to ON.
Poor job of dirt pickup.	1. Full or clogged dust bag.	1. Change dust bag.
	2. Broken belt.	2. Replace belt.
	3. Clogged hose or nozzle.	3. Clean hose or nozzle area.
	4. Hose not inserted fully.	4. Insert hose.
	5. Worn agitator.	5. Replace agitator.
	6. Hole in hose.	6. Replace hose.
	7. Dust cover improperly installed.	7. Properly install dust cover.
	8. Belt not installed on motor shaft.	8. Install belt on motor shaft.
Dust escapes the paper bag.	1. Bag improperly installed.	1. Properly install bag.
	2. Bag torn.	2. Replace bag.
Light will not work.	1. Burned out light bulb.	1. Replace light bulb.

WARRANTY

Panasonic Platinum Series Vacuum Cleaner Limited Warranty

Panasonic Home and Commercial Products Company (collectively referred to as "the warrantor") will repair this product with new or refurbished parts free of charge, in the U.S.A. or Puerto Rico for two (2) years from the date of original purchase in the event of a defect in materials or workmanship.

This Limited Warranty Excludes both Labor and Parts for the following items which require normal replacement: Disposable Dust Bag, Filters, Belts, Light Bulbs, Agitator Brushes and Batteries (if supplied).

Carry-in or mail-in service in the U.S.A. can be obtained during the warranty period by contacting a Panasonic Services Company (PASC) Factory Servicenter listed in the Servicenter Directory. Or call, toll free, 1-800-211-PANA (7262) to locate a PASC Authorized Servicenter. Carry-in or mail-in service in Puerto Rico can be obtained during the warranty period by calling the local Panasonic Sales Company telephone number listed in the Servicenter Directory.

This warranty is extended only to the original purchaser. A purchase receipt or other proof of date of original purchase will be required before warranty performance is rendered.

This warranty only covers failures due to defects in materials and workmanship which occur during normal use and does not cover damages which occur in shipment, or failures which are caused by products not supplied by the warrantor, or failures which result from accident, misuse, abuse, neglect, mishandling, misapplication, faulty installation, improper operation or maintenance, alteration, modification, power line surge, improper voltage supply, lightning damage, commercial use such as hotel, office, restaurant or other business or rental use of the product, or service by anyone other than a PASC Authorized Servicenter, or damage that is attributable to acts of God.

LIMITS AND EXCLUSIONS:
There are no express warranties except as listed above.
THE WARRANTOR SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE APPLICABLE WARRANTY PERIOD SET FORTH ABOVE.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above exclusions or limitations may not apply to you.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state. If a problem with this product develops during or after the warranty period, you may contact your dealer or Servicenter. If the problem is not handled to your satisfaction, then write to the Consumer Affairs Department at the listed address on the back cover.

WHAT TO DO WHEN SERVICE IS NEEDED
Cuando necesita servicio

If your Panasonic Vacuum Cleaner needs service, look in the yellow pages of the telephone book under HOME APPLIANCE SERVICE for your nearest Panasonic Services Company ("PASC") Factory Servicenter, or PASC authorized Servicenter, or call, 1-800-211-PANA (7262) toll free to find a convenient servicenter. DO NOT send the product to the Executive or Regional Sales offices. They are NOT equipped to make repairs.

Si su aspiradora Panasonic necesita servicio, busque el Centro de Servicio Panasonic o un Centro de Servicio PASC autorizado más cercano bajo "Servicio de Eléctrodomésticos" en las páginas amarillas de la guía de teléfonos o llame gratis al 1-800-211-PANA (7262) para encontrar un centro de servicio conveniente. No mande el producto a las Executive o Regional Sales Offices. No están equipadas para arreglar estos productos.

If you ship the product

Carefully pack and send it prepaid, adequately insured and preferably in the original carton. Attach a postage-paid letter to the outside of the carton, which contains a description of your complaint. DO NOT send the product to the Executive or Regional Sales Offices. They are NOT equipped to make repairs.

Si manda el producto

Empaquete con cuidado en el cartón original si posible y mándelo prepagado y con seguro suficiente. Ponga una carta con sellos en la que describe su problema con el producto en el exterior del cartón. No mande el producto a las Executive o Regional Sales Offices. No están equipadas para arreglar estos productos.

Customer's Record / *Récord de Comprador*

Model No. / *Número de Modelo* _____

Dealer's Name / *Nombre del Vendedor* _____

Serial No. / *Número de Serie* _____

Dealer's Address / *Dirección del Vendedor* _____

Date of Purchase / *Fecha de Compra* _____

PANASONIC HOME & COMMERCIAL PRODUCTS COMPANY, DIVISION OF MATSUSHITA ELECTRIC CORPORATION OF AMERICA

One Panasonic Way
Secaucus, New Jersey 07094
World Wide Web Address
http://www.panasonic.com

PANASONIC SALES COMPANY, MATSUSHITA ELECTRIC OF PUERTO RICO INC.

Ave. 65 de infanteria, Km 9.5
San Gabriel Industrial Park
Carolina, Puerto Rico 00985

ACØ1ZBJHZØU
CØ1ZBJHØØUØØ

Printed in U.S.A.
Impreso en EUA