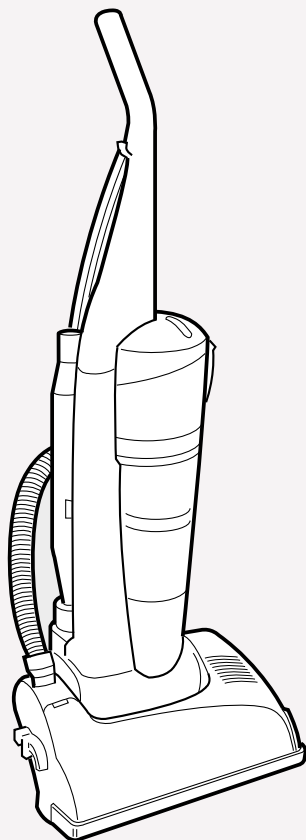


SHARP®

MODELS

EC-S5170
EC-T5180
EC-T5180A
EC-T5180B

OPERATION MANUAL VACUUM CLEANER



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Thank you very much for buying SHARP

Before using your SHARP vacuum cleaner, please read this operation manual carefully to obtain the optimum performance from your vacuum cleaner.

IMPORTANT SAFETY INSTRUCTIONS

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

Read all instructions carefully before using this vacuum cleaner.

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

- 1** Do not use outdoors or on wet surfaces.
- 2** Do not leave vacuum cleaner unattended when plugged in. Unplug from outlet when not in use and before user-servicing.
- 3** Close supervision is necessary when used by or near children. Do not allow this vacuum to be used as a toy.
- 4** Use only as described in this manual. Use only manufacturers recommended attachments.
- 5** Never operate this vacuum cleaner if it has a damaged cord or plug, if it is not working properly, if it has been dropped, damaged, exposed to weather or dropped into water.
Return the vacuum cleaner to a Sharp Authorized Servicer in the United States for examination and repair.
- 6** Do not pull or carry this vacuum cleaner by the power cord. Do not use the power cord as a handle, close a door on the cord, or pull the cord around sharp edges or corners. Keep cord away from heated surfaces.
- 7** Do not run the vacuum over the cord. Running over the cord may damage the insulation resulting in an electrical short. If the insulation is damaged, immediately remove the plug from the electrical outlet and bring the vacuum to a Sharp Authorized Servicer.
- 8** Never disconnect the plug by pulling on the cord. To disconnect from an outlet, grasp the plug, not the cord.
- 9** Never operate this vacuum cleaner with any air opening blocked. Keep the air openings free of dust, lint, hair and any other similar material.
- 10** Never drop or insert any object into any opening.
- 11** Keep hair, face, fingers and loose clothing away from all openings, the agitator and any moving parts.
- 12** Do not use this vacuum cleaner to pick up the following objects:
 - a. flammable objects: lit cigarettes, hot ashes, lit matches, toner or similar materials.
 - b. sharp objects: razor blades, broken glass, needles, pins, nails or similar materials.
 - c. very fine dust: plaster, cement, cooking flour, etc.

IMPORTANT SAFETY INSTRUCTIONS

- 13** Never operate this vacuum cleaner without the dirt compartment and filters in place. Empty the dirt compartment before reaching the "Max Fill Line" and clean the filters often.
- 14** Before removing the plug from the outlet, turn all controls to the "OFF" position.
- 15** Use extra caution when cleaning on stairs.
- 16** Never handle plug, cord or vacuum cleaner with wet hands.
- 17** Never touch the underside of the vacuum cleaner when it is plugged in. The rotating agitator may cause injury.
- 18** Do not use in presence of flammable or combustible liquids or fumes.
- 19** Do not place heavy objects on the vacuum cleaner.
- 20** Do not step on the hose or pull the hose forcibly.
- 21** Do not pick up objects such as waste paper, plastic sheets, tissue paper or wrappings which may clog the hose and filters. Do not pick up a large amount of dust at once. This may clog the filters and rapidly reduce the performance of the vacuum cleaner.
- 22** Do not expose this vacuum cleaner to high temperatures while operating or during storage.
- 23** Store this vacuum cleaner in a dry place.
- 24** Use the carrying handle on the back of the body to carry this vacuum cleaner.
- 25** Before servicing this vacuum cleaner, allow all parts to cool.

CAUTION: To reduce the risk of electric shock, this vacuum cleaner 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.

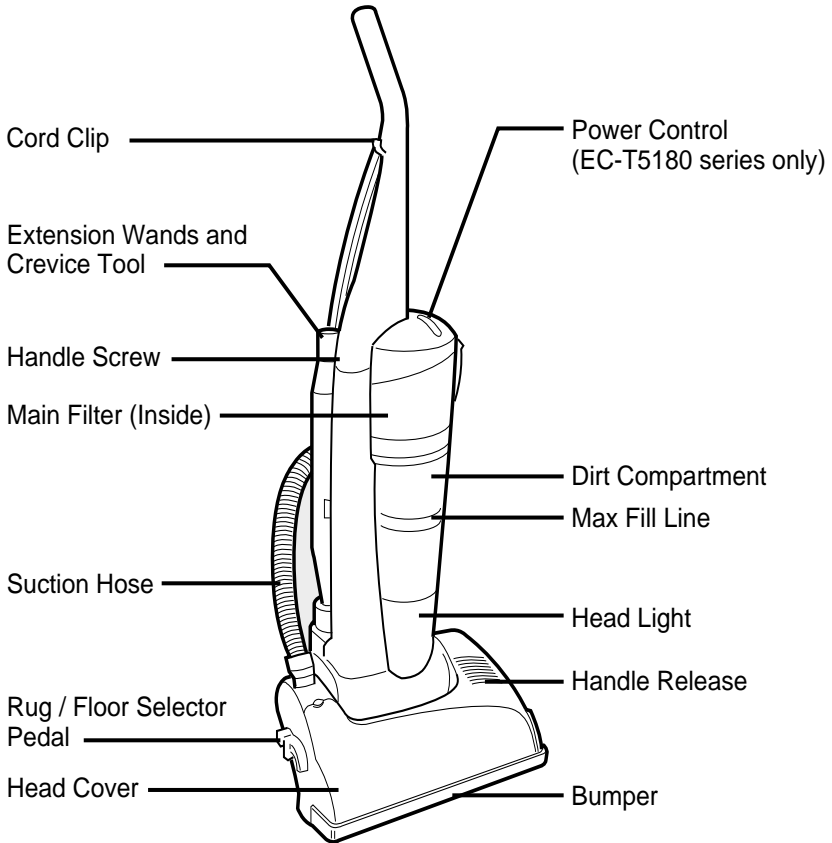
WARNING: This vacuum contains a motor protection system to maximize the motor life. It is designed to shut off to avoid overheating in case of a blockage or clogged filter. If the protection device is activated, the vacuum stops without turning off the switch. If this happens, turn off the vacuum and unplug the cleaner. Please empty the dirt compartment, clean the net filter with water and check the main filter. After approximately 30 minutes the motor will have cooled and the vacuum will be ready to use. Operating this vacuum with clogged or dirty filters may cause the vacuum to overheat. Please clean the filters regularly.

SAVE THESE INSTRUCTIONS

This vacuum cleaner is intended for household use only.

PARTS IDENTIFICATION

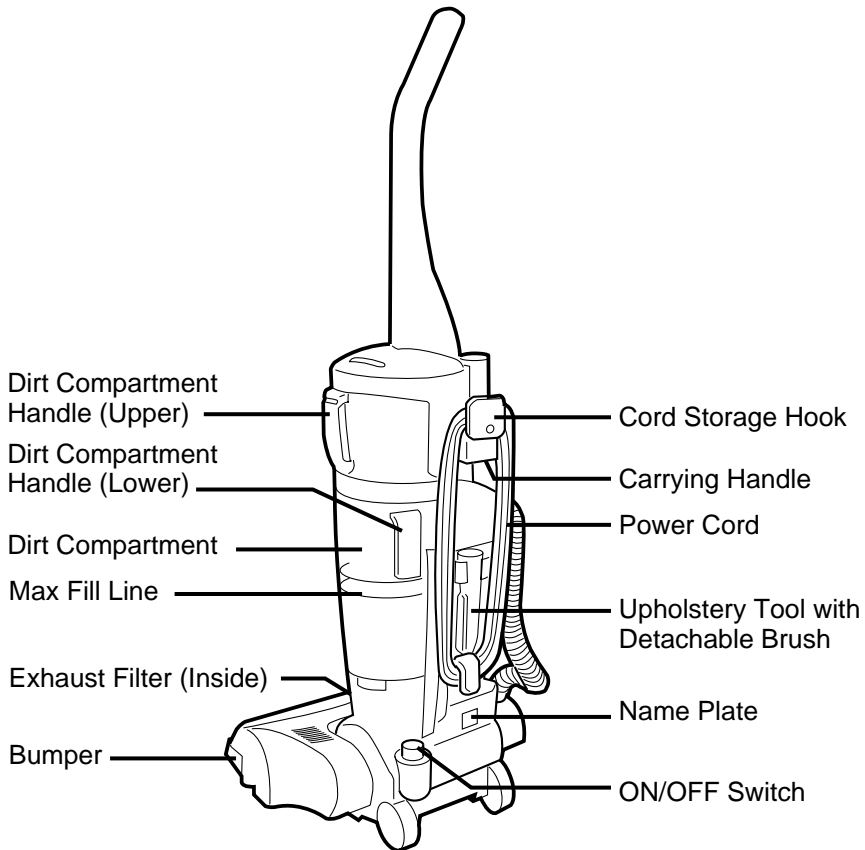
FRONT



SPECIFICATIONS

FEATURES MODEL	INPUT (Amp)	HEAD LIGHT	POWER CONTROL	CORD LENGTH
EC-S5170	12.0	YES	NO	24 Ft
EC-T5180	12.0	YES	YES	35 Ft
EC-T5180A				
EC-T5180B				

REAR



WARNING:

Operate vacuum cleaner only at the voltage specified on the nameplate.

OPERATING INSTRUCTIONS

HOW TO ATTACH THE HANDLE TO VACUUM CLEANER

- 1 First remove the handle screw. Then slide the base of the handle to the body of the vacuum cleaner as shown. (Fig. 1)

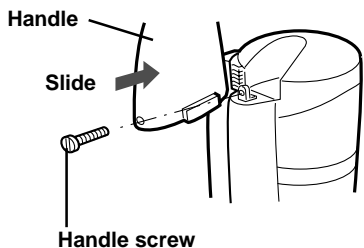


Fig.1

- 2 Line up the hole on the handle with the hole on the side of the vacuum cleaner and insert the screw. (Fig. 2)
Be sure the screw is tightened securely.

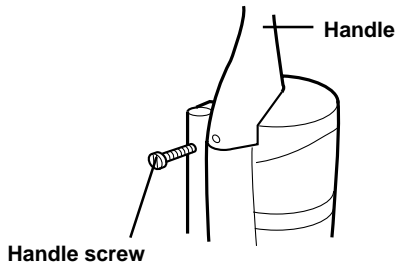


Fig.2

HOW TO WIND POWER CORD

- 1 Insert the power cord in the clip located on handle as shown. (Fig. 3)

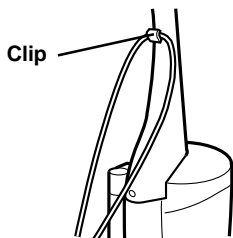


Fig.3

- 2 Wrap excess cord around the cord storage hooks to prevent dragging and any interference with cleaning. (Fig. 4)

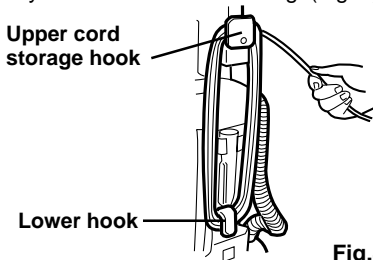


Fig.4

HOW TO RELEASE POWER CORD

Rotate the upper cord storage hook downward for quick cord release. (Fig. 5)

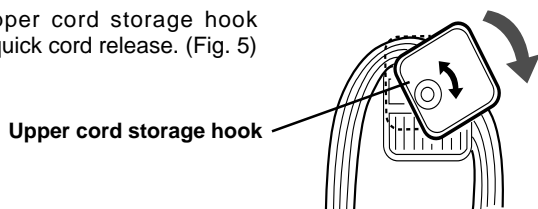


Fig.5

HOW TO RELEASE THE HANDLE

Place foot on the left side of the nozzle head and pull the handle to release.(Fig.6)

Upright Position

Push the handle forward so it is locked in upright position. In this position, agitator brush stop automatically by "Agitator Safety Mechanism".

NOTE: Agitator Safety Mechanism

The brush is stopped by Agitator Safety Mechanism to prevent damage of rug or floor during operation in upright position.



Fig.6

HOW TO OPERATE "RUG" /"FLOOR"SELECTOR PEDAL

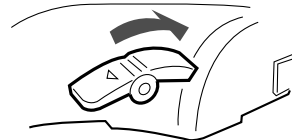
The Rug / Floor selector pedal is located at the right side of the head.

Select the pedal position for appropriate flooring. (Fig.7)

"RUG" POSITION

In this position, agitator brush is rotating and vacuums from the main duct for rug and carpet cleaning.

"RUG" POSITION



"FLOOR" POSITION

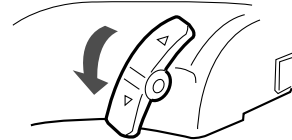


Fig.7

Front channel for barefloor or flat surface cleaning

"FLOOR" POSITION (Bare Floor Position)

In this position, agitator brush is stopped and vacuums from the front channel of the nozzle head for barefloor or flat surface cleaning.(Fig.8)

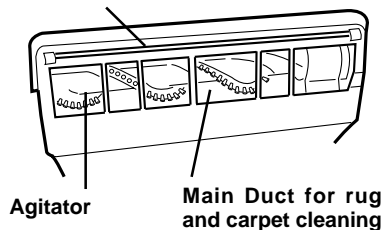


Fig.8

OPERATING INSTRUCTIONS

ON/OFF SWITCH

At the back lower left of vacuum cleaner. The ON/OFF switch is located. (Fig.9)

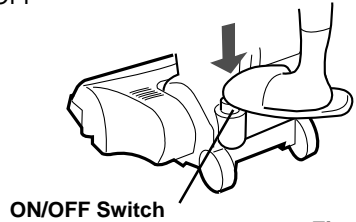


Fig.9

POWER CONTROL SWITCH (EC-T5180 series only)

A slide switch allows selection of cleaning power from low "L" to high "H". To increase the suction power; slide the switch toward the "H" position. To decrease the suction power, slide the switch toward the "L" position. (Fig.10)

HIGH: Greatest suction power for heavy vacuuming jobs. Medium power levels are positioned between "H" and "L".

LOW: Low suction power for delicate cleaning jobs.

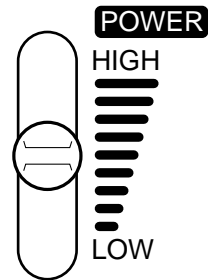
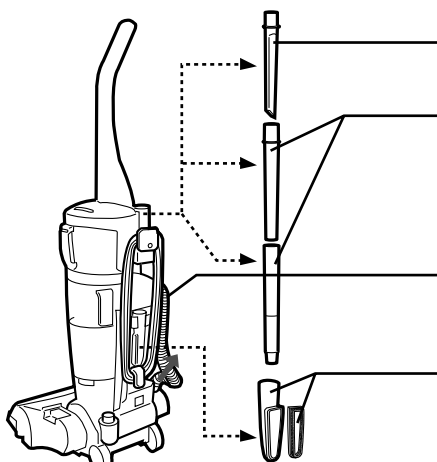


Fig.10

HOW TO USE THE ON BOARD TOOLS



CREVICE TOOL
For door tracks, narrow spots, etc.(Fig.12)

EXTENSION WANDS
For reaching ceilings, curtains, etc.(Fig.13)
Combine these wands at the end of suction hose. (Fig.14-1)
When connecting two wands, match the illustrated mark to each other.(Fig.14-2)

SUCTION HOSE
For using ON BOARD tools, remove the suction hose from the nozzle head. (Fig.11)

UPHOLSTERY TOOL WITH DETACHABLE BRUSH
Use the brush for upholstered furniture, table tops, books, lamps, baseboards, etc. (Fig.16)
Use without the brush for draperies, mattresses, clothing, carpeted stairs, etc. (Fig.15)

Fig.11




Fig.14-1

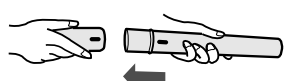


Fig.14-2

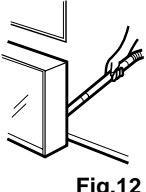


Fig.12


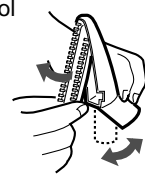
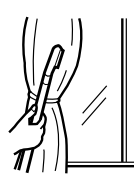


Fig.13



Pull to Detach brush from tool

Fig.15



Turn to adjust cleaning angle

Fig.16

HEAT PROTECTION SYSTEM

This vacuum cleaner has a special thermostat that protects the motor from overheating. If the vacuum cleaner suddenly shuts off, turn off the vacuum and unplug the cleaner. Check the vacuum cleaner for a possible source of overheating such as a full dirt compartment or clogged filters. If these conditions are found, empty the dirt compartment and clean the filters (see pages 10 and 11) or replace if necessary (see page 15). To maintain the best performance of your vacuum cleaner, we recommend emptying the dirt compartment before the dirt reaches the "Max Fill Line" and clean the filters.

MAINTENANCE INSTRUCTIONS

Unplug this vacuum cleaner from the electrical outlet before servicing.

HOW TO REMOVE AND REPLACE DIRT COMPARTMENT

DIRT COMPARTMENT

The dirt compartment assembly consists of the following parts:

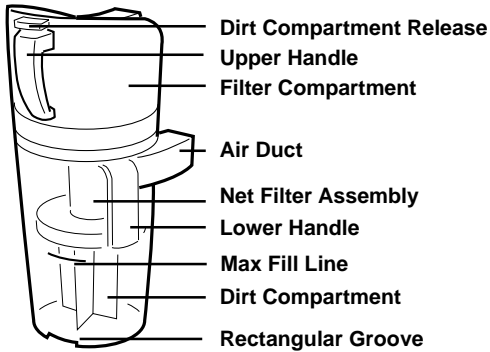


Fig.17

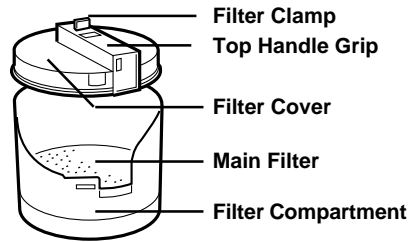
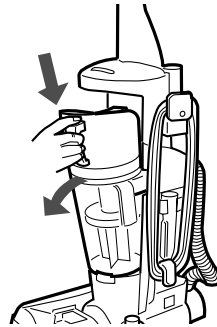


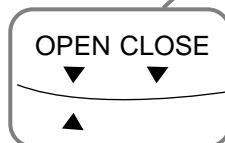
Fig.18

- 1 Press down dirt compartment release button to remove dirt compartment from vacuum cleaner. (Fig.19)



- 2 Hold lower handle on dust cup and turn top handle grip slightly to left Remove net filter assembly from dirt compartment. (Fig.20)

OPEN/CLOSE marks are at the side of the Filter Compartment.



Dirt Compartment

Fig.20

3 Empty dirt compartment. (Fig.21)



Fig.21

4 Replace the net filter assembly into the dirt compartment.
Be sure to match the ▼ marks of the Filter Compartment and Dust Cup.

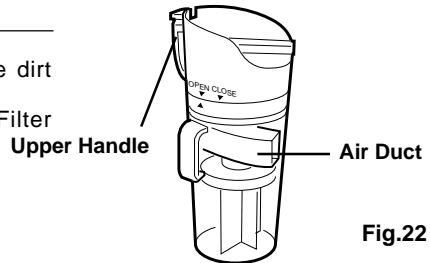


Fig.22

5 Align the projection of net filter assembly to the slot of dirt compartment and follow the arrow to fit or turn to CLOSE side.

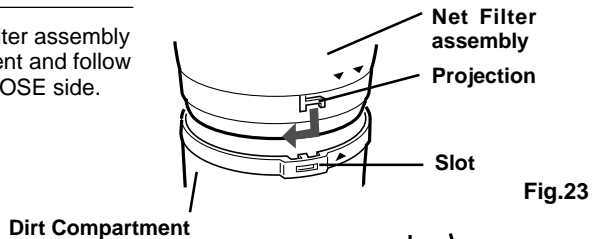


Fig.23

6 Align the rectangular groove to the guide of vacuum cleaner then push to snap into place. (Fig.24)

Also ▼ marks are on Dust Compartment and Base.

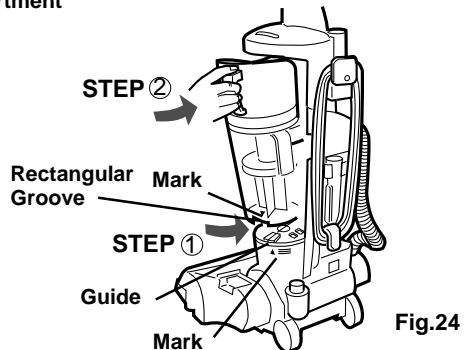


Fig.24

CAUTION: Do not use chemicals, bleach or hot water to clean the dirt compartment. Wash with soap and water using a soft brush. Do not dry with hair dryer or heater.

NOTE: Very fine materials, such as face powder, plaster or fine powder may seal the filters and cause loss of suction. When vacuuming this type of material, be sure to empty the dirt compartment and clean the filters more frequently (before reaching the "Max Fill Line").

MAINTENANCE INSTRUCTIONS

HOW TO CLEAN THE NET FILTER ASSEMBLY

- 1 Slide net filter assembly out of dirt compartment.
- 2 Unscrew the filter element from the assembly. (Fig.25)
- 3 Wipe excess dust from the net filter.
- 4 Wash net filter with water, using a soft sponge.
- 5 Allow net filter assembly to completely dry before replacing it, then insert it into the dirt compartment.

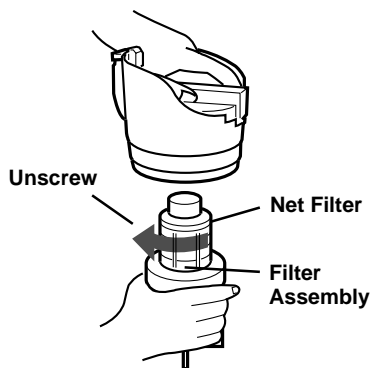


Fig.25

CAUTION: Do not use chemicals, bleach or hot water to clean the dirt compartment. Wash with water using a soft sponge. Do not dry with hair dryer or heater.

HOW TO CLEAN THE MAIN FILTER

- 1 Hold the top handle grip, and release the filter clamp then remove the filter cover to open.
- 2 Remove main filter from the filter box and scrub the filter.
- 3 Wash the filter with soap and water.
- 4 Allow the filter to completely dry before putting back in the filter compartment.
- 5 Replace the filter cover onto the filter compartment, interlocking the latch portions.

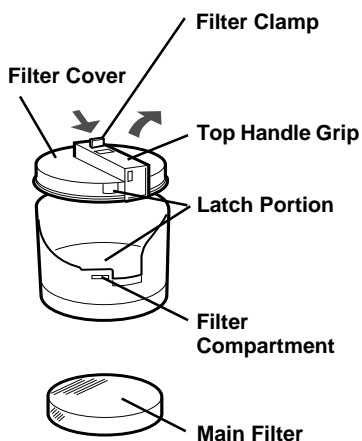


Fig.26

CAUTION: Do not use a washing machine for cleaning. Do not dry with hair dryer or heater. Be sure the filter is set in the right position.

NOTE: For maximum performance we recommend to clean this filter every time you empty the dirt compartment.

WHEN YOU FOUND ANY OBSTACLES IN THE HEAD COVER OR FRONT CHANNEL

If you find some obstacles such as hair, paper slip, are caught inside the head cover or front channel, please try to remove with suction hose of this vacuum cleaner. (Fig.27)

If this is not enough cleaning, please use some wooden stick for picking, or removing bottom plate and / or head cover for cleaning.

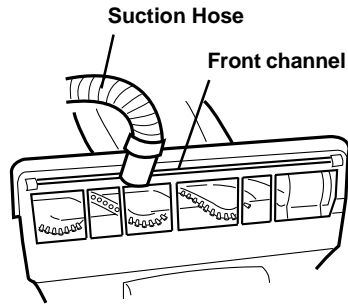


Fig.27

HOW TO REMOVE / AND RESET THE BOTTOM PLATE

Before replacing any parts, unplug the vacuum cleaner from the electrical outlet and release the handle. Then turn the vacuum cleaner over, exposing the underside.

REMOVE

Loosen the bottom plate by unscrewing four screws, (Fig. 28) then remove the bottom plate.

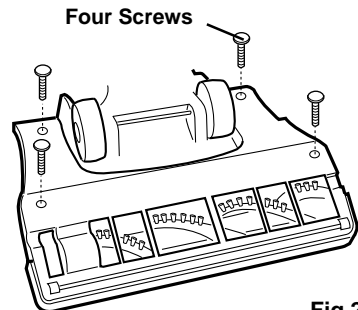


Fig.28

RESET

Make sure that all the parts are properly position.

- 1 Insert the front three tabs of the bottom plate into the grooves at the front end of the nozzle head, then reset the bottom plate. (Fig. 29)
- 2 Fasten four screws.

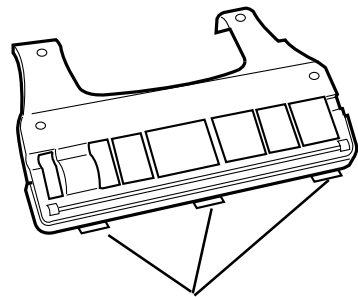


Fig.29

MAINTENANCE INSTRUCTIONS

HOW TO REMOVE THE HEAD COVER

If you find excess dirt or obstructions under the head cover, you can remove the head cover. The head cover is secured by two screws from the bottom side.

- 1 Remove the bottom plate, following the instructions on page 13.

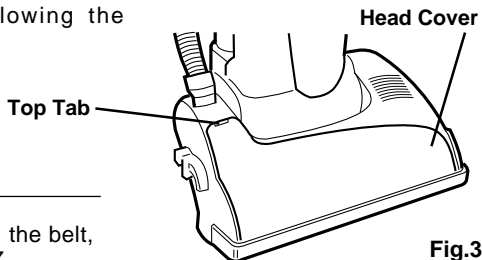
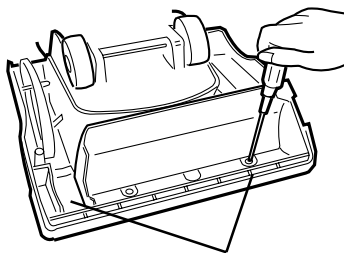


Fig.30

- 2 Remove the agitator assembly and the belt, following the instructions on page 17.

- 3 Unscrew two screws at the nozzle head. (Fig.31)

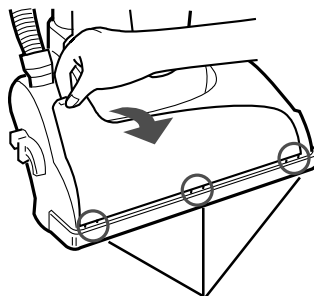


Two screws secure the head cover

Fig.31

- 4 Lift the top tab of the head cover and remove.

- 5 When resetting the head cover, be sure to fit the three front tabs in the nozzle head.



Three Front Tabs

Fig.32

REPLACEMENT INSTRUCTIONS

HOW TO REPLACE THE HEADLIGHT LAMP

Unplug the vacuum cleaner from the electrical outlet.

- 1 Remove the dirt compartment.
- 2 Unscrew the center screw. (Fig.33)
- 3 Lift the lamp cover. (Fig.34)
- 4 Remove the lamp from the socket by pushing in gently and turning counterclockwise. (Fig. 35)
- 5 Install the new lamp by pushing it gently into the socket and turning clockwise. (Fig. 35)
Use any standard bayonet base vacuum cleaner lamp rated 125V, 20W.
- 6 Replace the Lamp cover and secure with the screw.

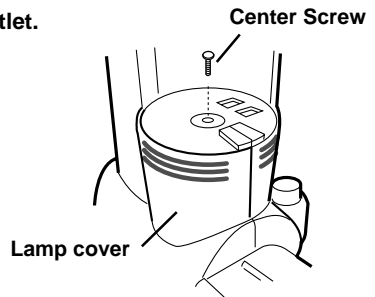


Fig.33

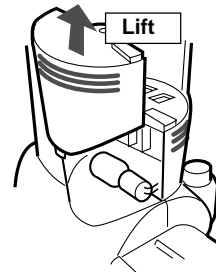


Fig.34

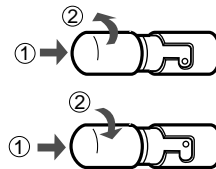


Fig.35

HOW TO REPLACE THE MAIN FILTER

Basically, the main filter can be used throughout the life of the vacuum cleaner.

If you chose to replace main filter, please refer to the maintenance instructions on page 12 which explain how to remove and replace filter.

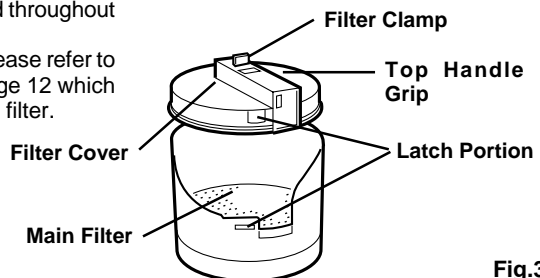


Fig.36

REPLACEMENT INSTRUCTIONS

HOW TO MAINTAIN OR REPLACE THE EXHAUST FILTERS

The exhaust filter consists of an electrostatic HEPA Type filter. (EC-S5170) HEPA Filter (EC-T5180 series)

The HEPA Type filter should be replaced at least every 10 months to maintain efficient filtration. (EC-S5170)

HEPA Filter(EC-T5180 series) can be washed with running water.

How to remove/set the filter.

1 Remove the dirt compartment.

2 Unscrew the center screw. (Fig.37)

3 Lift the lamp cover. (Fig.37)

4 Lift the exhaust filter case.(Fig.38)

5 At the bottom of the case HEPA type filter (EC-S5170) or HEPA filter(EC-T5180) is placed.

6 HEPA Filter (EC-T5180 series) can be washed with running water.
After washing it, please dry completely in the air.
Do not use hair dryer or other heating machine.

7 Replace the filter as before and set the filter case and lamp cover.

8 Secure the center screw.

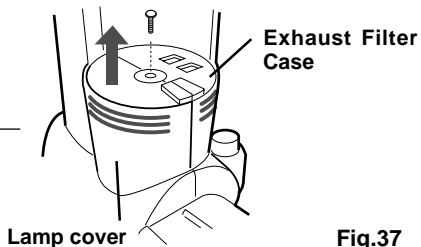


Fig.37

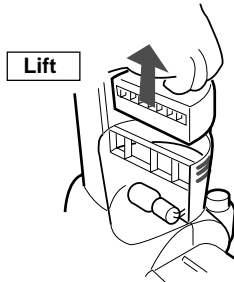


Fig.38



Fig.39

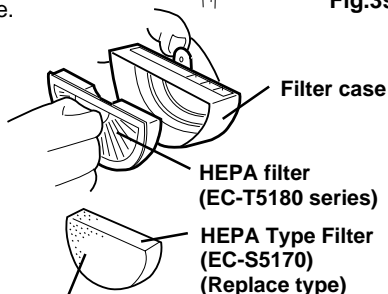


Fig.40

Show Green Net Side

HOW TO REPLACE THE BELT AND/OR AGITATOR ASSEMBLY

When replacing the belt, always set the RUG/FLOOR Selector pedal in the "FLOOR" position.

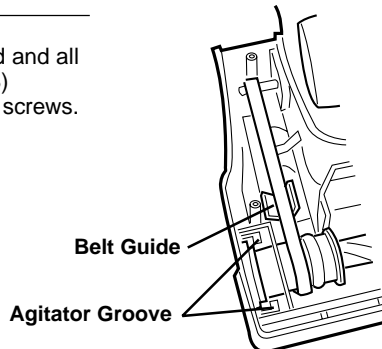
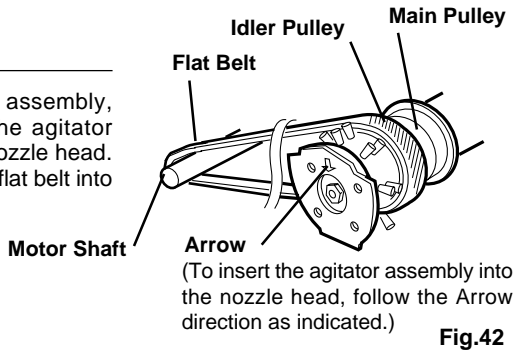
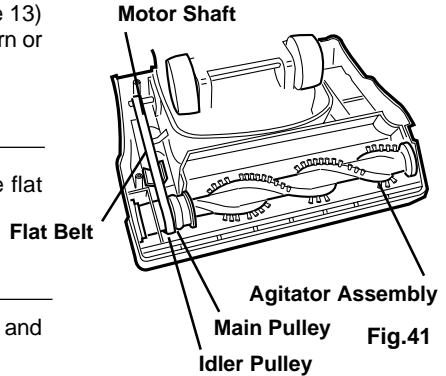
- 1 After removing the bottom plate (see page 13) to determine if the belt or the agitator is worn or broken.

- 2 Pull out the agitator and then remove the flat belt from the motor shaft. (Fig. 42)

- 3 Loop the (new) belt around the motor shaft and (new) agitator as shown. (Fig. 42)

- 4 Then re-insert the (new) agitator assembly, making sure that both ends of the agitator assembly fit in the groove of the nozzle head. (Fig. 43) Be sure to install the new flat belt into the belt guide properly. (Fig. 43)

- 5 Be sure that the flat belt is not twisted and all rotating parts move smoothly. (Fig.43) And secure the bottom plate with four screws. (see page 13)



BEFORE REQUESTING SERVICE

If you experience any difficulties with your vacuum cleaner, use this Troubleshooting Chart first before requesting service.

NOTE:

Always remember to have the vacuum cleaner turned OFF and disconnect the plug from the power outlet before working on the vacuum cleaner.

TROUBLESHOOTING CHART

Problem	Check	Possible Remedy
Motor does not start when the power switch is in the ON position.	Check if the power cord plug is completely inserted into the outlet.	Insert the plug properly into the outlet.
The agitator does not rotate when the power switch is in the ON position.	Be sure the flat belt is not severed or installed incorrectly. Be sure the "RUG/FLOOR" pedal is in "Rug".	Replace the flat belt or install it properly.
Suction power is weak or decreases suddenly.	Check if the nozzle head, suction hose, etc. is clogged.	Remove any foreign objects that may have become jammed in the nozzle head, suction hose, etc.

Please request service if the problem still persists or if the problem is not defined in the Troubleshooting Chart.

FOR CUSTOMER ASSISTANCE

To aid in reporting this vacuum cleaner in case of loss or theft, please record below the model number and serial number located on this unit. We also suggest you record all the information listed and retain for future reference.

MODEL NUMBER _____	SERIAL NUMBER _____
DATE OF PURCHASE _____	
Dealer _____	Telephone _____
Service Station _____	Telephone _____

TO PHONE: Dial 1-800-BE-SHARP (1-800-237-4277) for:
 SERVICE (for your nearest Sharp Authorized Servicer)
 PARTS (for your Authorized Parts Distributor)
 ACCESSORIES
 ADDITIONAL CUSTOMER INFORMATION

TO WRITE: For service problems, warranty information, missing items and other assistance:
 Sharp Electronics Corporation
 Customer Assistance Center
 1300 Naperville Drive
 Romeoville, IL 60446-1091

Please provide the following information when you write or call: model number, serial number, date of purchase, your complete mailing address (including zip code), your daytime telephone number (including area code) and description of the problem.

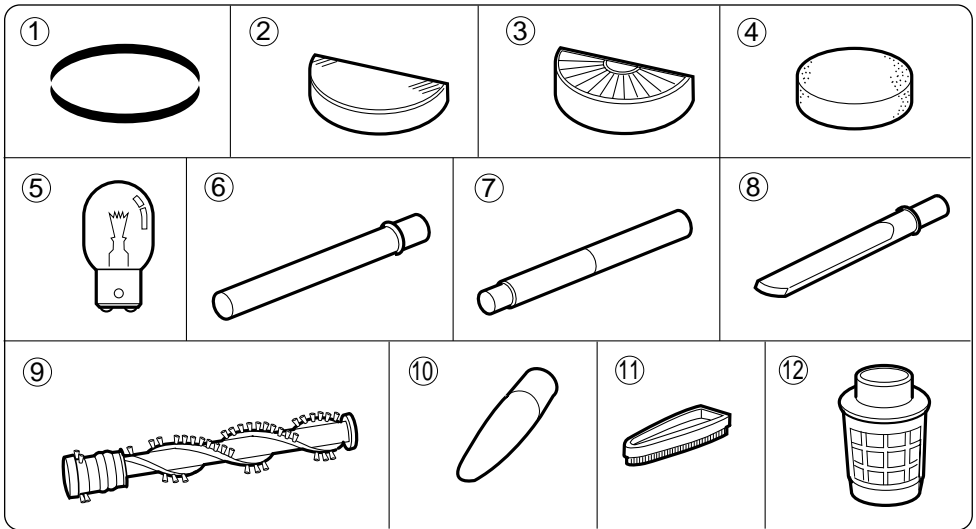
DESCRIPTION OF ACCESSORIES

For replacement accessories, contact your local dealer or call the Sharp Accessories and Supply Center at 1-800-642-2122, or visit Sharp's web site at www.sharp-usa.com.

ITEM	PARTS DESCRIPTION	PART NUMBER
①	FLAT BELT	EC-02BU3 (2 PCS IN 1 PACK)
②	EXHAUST FILTER (EC-S5170)	EC-01MU14 (HEPA Type)
③	EXHAUST FILTER (EC-T5180 series)	EC-01MU13 (HEPA Filter)
④	MAIN FILTER	EC-01MU12

For other parts, please contact your nearest Sharp Dealer. If your dealer does not stock these parts, you may order them by calling 1-800-BE-SHARP

ITEM	PARTS DESCRIPTION	PART NUMBER
⑤	LAMP	RLMP-A003VBE0
⑥	EXTENSION WAND (Inner)	PPIPPA164VBFC
⑦	EXTENSION WAND (Outer)	PPIPPA163VBFE
⑧	CREVICE TOOL	UCATSA057VBFE
⑨	AGITATOR ASSEMBLY	DRTR-A018VBKZ
⑩	UPHOLSTERY TOOL	FCAT-A102VBKZ
⑪	DETACHABLE BRUSH	PBRs-A061VBEB
⑫	NET FILTERS	FDUC-A019VBKA



CONSUMER LIMITED WARRANTY

SHARP ELECTRONICS CORPORATION warrants to the first consumer purchaser that this Sharp brand product (the "Product"), when shipped in its original container, will be free from defective workmanship and materials, and agrees that it will, at its option, either repair the defect or replace the defective Product or part thereof with a new or remanufactured equivalent at no charge to the purchaser for parts or labor for the period(s) set forth below.

This warranty does not apply to any appearance items of the Product nor to the additional excluded item(s) set forth below nor to any Product the exterior of which has been damaged or defaced, which has been subjected to improper voltage or other misuse, abnormal service or handling, or which has been altered or modified in design or construction.

In order to enforce the rights under this limited warranty, the purchaser should follow the steps set forth below and provide proof of purchase to the servicer.

The limited warranty described herein is in addition to whatever implied warranties may be granted to purchasers by law. ALL IMPLIED WARRANTIES INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR USE ARE LIMITED TO THE PERIOD(S) FROM THE DATE OF PURCHASE SET FORTH BELOW. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

Neither the sales personnel of the seller nor any other person is authorized to make any warranties other than those described herein, or to extend the duration of any warranties beyond the time period described herein on behalf of Sharp.

The warranties described herein shall be the sole and exclusive warranties granted by Sharp and shall be the sole and exclusive remedy available to the purchaser. Correction of defects, in the manner and for the period of time described herein, shall constitute complete fulfillment of all liabilities and responsibilities of Sharp to the purchaser with respect to the Product, and shall constitute full satisfaction of all claims, whether based on contract, negligence, strict liability or otherwise. In no event shall Sharp be liable, or in any way responsible, for any damages or defects in the Product which were caused by repairs or attempted repairs performed by anyone other than an authorized servicer. Nor shall Sharp be liable or in any way responsible for any incidental or consequential economic or property damage. Some states do not allow the exclusion of incidental or consequential damages, so the above exclusion may not apply to you.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

Model Specific Section

Your Product Model Number & Description: EC-S5170, EC-T5180, T5180A. or T5180B Home Use Vacuum Cleaner.

(Be sure to have this information available when you need service for your product.)

Warranty Period for This Product: One (1) year parts and labor.

Additional Item(s) Excluded from Warranty Coverage (if any): Appearance items of the product, accessories, filters, or any printed materials.

Where to Obtain Service: At a Sharp Authorized Servicer located in the United States. To find the location of the nearest Sharp Authorized Servicer, call Sharp toll free at 1-800-BE-SHARP.

What to Do to Obtain Service: Ship prepaid or carry in your Product to a Sharp Authorized Servicer. Be sure to have Proof of Purchase available. If you ship the Product, be sure it is insured and packaged securely.

TO OBTAIN SUPPLY, ACCESSORY OR PRODUCT INFORMATION, CALL 1-800-BE-SHARP.

SHARP®

SHARP ELECTRONICS CORPORATION
Sharp Plaza, Mahwah, New Jersey 07430-2135

SHARP CORPORATION
Osaka, Japan

SHARP®

ASPIRADORA INSTRUCCIONES DE OPERACION

INSTRUCCIONES DE SEGURIDAD IMPORTANTES

Cuando utilice un aparato eléctrico, deben seguirse siempre las precauciones básicas, incluyendo lo siguiente:

Lea todas las instrucciones cuidadosamente antes de usar esta aspiradora.

ADVERTENCIA / Para reducir el peligro de incendio, descargas eléctricas o daños:

- 1 Pueden ocurrir descargas eléctricas si se utiliza en exteriores o superficies mojadas.
- 2 No deje el aparato desatendido cuando esté enchufado. Desenchúfelo del tomacorriente cuando no lo utilice y antes de realizar el servicio.
- 3 Deberá tenerse mucho cuidado cuando se utilice por o cerca de niños. No deje que sea utilizado como un juguete.
- 4 Utilice el aparato sólo para su uso específico como se describe en este manual. Utilice sólo los accesorios recomendados por el fabricante.
- 5 No opere nunca este aparato si el cable o clavija están dañados; si no funciona correctamente; si se ha caído al suelo dañado, expuesto al aire libre o se ha caído en el agua. Retorne el aparato a un distribuidor o tienda de servicio autorizado de Sharp en los Estados Unidos para su examinación y reparación.
- 6 No tire ni mueva el aparato por el cable de alimentación, no utilice el cable de alimentación como manija, no cierre una puerta con el cable entre medio ni tire del cable en esquinas o bordes puntiagudos. Mantenga el cable alejado de superficies calientes. No haga pasar el aparato por encima del cable.
- 7 No desconecte nunca la clavija tirando del cable. Para desconectarlo de un tomacorriente, sujete la clavija, no el cable.
- 8 No opere nunca el aparato con ninguna abertura de aire bloqueada. Mantenga las aberturas de aire libres de polvo, pelusa, pelos y otros materiales similares. Cuando el filtro principal se ensucie, lávelo con agua. Los filtros deben limpiarse completamente antes de volverse a usar.
- 9 No inserte nunca ningún objeto en ninguna abertura.
- 10 Mantenga el pelo, cara, dedos y ropas flojas alejadas de las aberturas, tales como la del agitador y todas las partes móviles.
- 11 No recoja cigarrillos encendidos, cenizas calientes, cerillas ni materiales similares, cuchillas, agujas, pasadores u otros objetos afilados.
- 12 No opere nunca el aparato sin el compartimento para polvo y los filtros en su lugar.
- 13 Antes de extraer la clavija del tomacorriente, desconecte todos los controles.
- 14 Tenga mucho cuidado cuando limpie escaleras.
- 15 No maneje nunca la clavija, cable o aparato con las manos húmedas.
- 16 No toque el agitador mientras está girando.
- 17 No utilice el aparato cerca de líquidos o humos inflamables o combustibles.
- 18 No coloque objetos pesados en la aspiradora.
- 19 No pise la manguera ni tire de ella forzosamente.
- 20 No recoja objetos grandes tales como papel o trapos ya que obstruirá la manguera.
- 21 No exponga el aparato a altas temperaturas mientras lo opera o durante el almacenaje.
- 22 Guarde este aparato en un lugar seco.
- 23 Utilice la manija de transporte de la parte posterior del cuerpo para transportar el aparato.
- 24 Antes de realizar el servicio del aparato, deje que todas las partes metálicas se enfrien.

GUARDE ESTAS INSTRUCCIONES

Esta aspiradora sirve sólo para el uso casero.

ADVERTENCIA:

Opere la aspiradora sólo con la tensión especificada en la placa de características.

ANTES DE SOLICITAR EL SERVICIO

Si tiene dificultades con su aspiradora, utilice primero este gráfico de localización y reparación de averías antes de solicitar el servicio.

NOTA:

Acuérdese siempre de desconectar la clavija del tomacorriente antes de manipular la aspiradora.

GRAFICO DE LOCALIZACION Y REPARACION DE AVERIAS

Problema	Comprobación	Remedio posible
El motor no arranca cuando el interruptor de alimentación está en posición ON.	Compruebe si la clavija del cable de alimentación está completamente insertada en el tomacorriente.	Inserte bien la clavija en el tomacorriente.
El motor no arranca cuando el interruptor de alimentación está en posición ON.	Asegúrese de que la correa plana no está dañada ni está mal instalada.	Reemplace la correa plana o instale la correctamente.
La potencia de succión es débil o disminuye súbitamente.	Compruebe la cabeza de la boquilla, manguera de succión, etc., para ver si hay obstrucción.	Extraiga los objetos extraños que pueden haberse atascado en la cabeza de la boquilla, manguera de succión, etc.

SERVICIO AL CONSUMIDOR

POR TELEFONO: Disque 1-800-BE-SHARP (1-800-237-4277) por:
SERVICIO (por el Servicio Autorizado Sharp más cercano)
REPUESTOS (por el Distribuidor de Repuestos más cercano)
ACCESORIOS
INFORMACION ADICIONAL

POR ESCRITO: Por problemas de funcionamiento, información acerca de la garantía, unidades incompletas u otro tipo de consultas.
Sharp Electronics Corporation
Customer Assistance Center
1300 Naperville Drive
Romeoville, IL 60446-1091

Cuando nos llame o escriba suministrenos la siguiente información: modelo, número de serie, fecha de compra, su dirección (incluyendo el código postal), un teléfono donde podamos llamarle durante el día (incluyendo el código del área) y la descripción del problema.

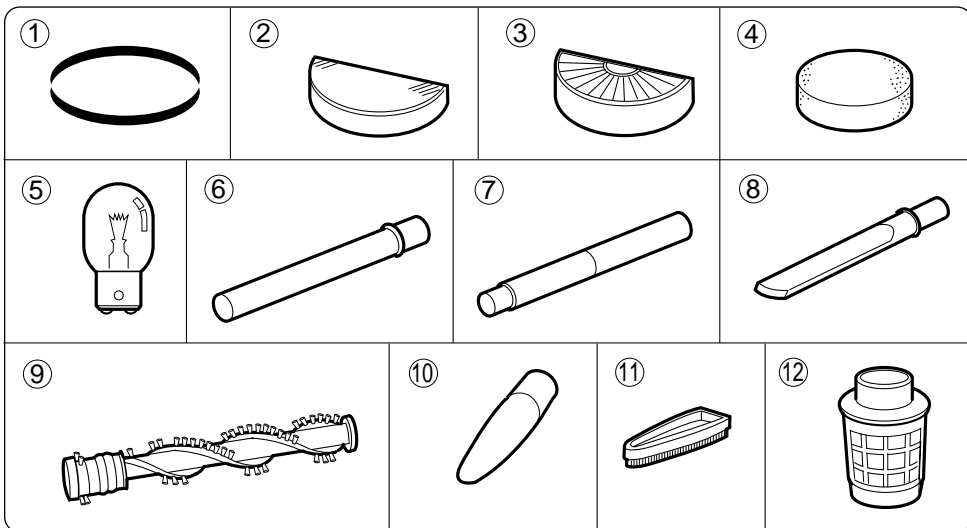
DESCRIPCION DE LOS ACCESORIOS

Para reemplazo de accesorios, por favor contacte a su distribuidor Sharp mas cercano. Llame al 1-800-642-2122, o visite nuestra pagina de internet (<http://www.sharp-usa.com>)

ARTICULO	DESCRIPCION ARTICULO	NUMERO DE PARTE
①	CORREA PLANA	EC-02BU3 (2 Piezas en 1 Paquete)
②	FILTRO DE RESCARGA (EC-S5170)	EC-01MU14 ()
③	FILTRO DE RESCARGA (EC-T5180 serie)	EC-01MU13 ()
④	FILTRO PRINCIPAL	EC-01MU12

Para Partes, por favor contacte a su distribuidor Sharp mas cercano, si su distribuidor no posee Las partes que usted requiere, deberá pedir las llamando al 1-800-BE-SHARP.

ARTICULO	DESCRIPCION ARTICULO	NUMERO DE PARTE
⑤	LAMPARA	RLMP-A003VBE0
⑥	TURBO EXTENTION (INTERIOR)	PPIPPA164VBF0
⑦	TURBO EXTENTION (IEXTERIOR)	PPIPPA163VBF0
⑧	TUBO PARAHENDIDURAS	UCATSA057VBF0
⑨	ENSAMBLE DE AGITATOR	DRTR-A018VBKZ
⑩	HERRAMIENTA PARA TAPICERIA	FCAT-A102VBKZ
⑪	CEPILLO	PBR0-A061VBEB
⑫	FILTRO DE RED	FDUC-A019VBKA



GARANTIA LIMITADA

SHARP ELECTRONICS CORPORATION garantiza al primer comprador del producto que este producto de marca Sharp (el "Producto"), cuando es embarcado en su recipiente original, está libre de materiales y fabricación defectuosa y acorda que a su opción, reparará el defecto o reemplazará el producto o la parte defectuosa sin cargar al comprador las partes o trabajo durante el periodo(s) de tiempo establecido abajo.

Esta garantía no se aplica a los artículos de apariencia del producto o a los artículos adicionales excluidos establecidos abajo, ni a ningún producto cuyo exterior haya sido dañado o deformado, que haya sometido a mal uso, servicio o manejo anormal o se haya alterado o modificado en diseño o construcción.

Para aplicar el derecho bajo esta garantía limitada, el comprador debe seguir los pasos establecidos abajo y proporcionar una prueba de la compra al reparador.

La garantía limitada descrita aquí es una adición a otras garantías que se aplican por ley a los compradores.

TODAS LAS GARANTIAS APLICADAS INCLUYENDO LAS GARANTIAS DE VENTAS Y CORRESPONDENCIA DE USO ESTAN LIMITADAS AL PERIODO(S) DESDE LA FECHA DE LA COMPRA ESTABLECIDA ABAJO.

Algunos estados no permiten limitaciones de tiempo de las garantías implicadas, por eso la limitación de encima tal vez no se aplique a su caso.

Ni en personal de ventas ni el vendedor u otra persona queda autorizada a realizar otras garantías que no sean las descritas aquí o la extensión de la duración de las garantías más alla del periodo de tiempo descrito aquí por Sharp.

Las garantías descritas aquí deben ser solamente las garantías garantizadas por Sharp y deben ser el único y exclusivo remedio disponible para el cliente. La corrección de defectos, de la forma y durante el periodo de tiempo descrito aquí, debe constituir un cumplimiento completo de todas las obligaciones y responsabilidades de Sharp al cliente con respecto al producto y debe constituir una completa satisfacción de todas las reclamaciones, basándose en el contrato, negligencia, obligación estricta o similar. En ningún caso debe obligarse ni responsabilizarse a Sharp de los daños o defectos del producto que fueron causados por reparaciones o intentos de reparaciones causados por cualquiera que no sea un reparador de servicio autorizado. Sharp no se responsabilizará de ninguna forma de los daños económicos consecuentes o accidentales ni de los daños a la propiedad. Algunos estados no permiten la exclusión de daños consecuentes o accidentales, por eso la exclusión de encima tal vez no se aplique a su caso.

LA GARANTIA LE DA LOS DERECHOS LEGALES ESPECIFICOS. TAMBIEN PUEDE TENER OTROS DERECHOS QUE VARIAS DE ESTADO A ESTADO.

Sección específica al modelo

Su número de modelo del producto:

EC-S5170, EC-T5180, T5180A.o T5180B
Aspiradora para uso en el hogar.
(Tenga esta información disponible cuando necesite el servicio para su producto.)

Periodo de garantía para este Producto:
artículos adicional(es) excluido(s) de la
garantía (si los hubiera):

Un (1) año de partes y trabajo.
artículos de apariencia del producto, accesorios, filtros o materiales impresos.

Donde obtener el servicio:

De una estación de servicio autorizada Sharp en los Estados Unidos. Para buscar el lugar de la estación de servicio autorizada Sharp más cercana, llame a Sharp libre de cargo al número 1-800-BE-SHARP (1-800-237-4277).

Que hacer para obtener el servicio:

Haga el envío pagando el flete o lleve el producto a una estación de servicio autorizada Sharp. Tenga a mano una Prueba de Compra del aparato. Si envía el producto por correo, asegúrese de comprar un seguro y realice un embalaje correcto.

PARA RECIBIR INSUMOS, ACCESORIOS O INFORMACION DE PRODUCTOS, LLAME AL 1-800-BE-SHARP.

SHARP®

SHARP ELECTRONICS CORPORATION
Sharp Plaza, Mahwah, New Jersey 07430-2135

SHARP CORPORATION
Osaka, Japan

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