



HILTON PRODUCTS




DUST EATER RANGE – FILTER SYSTEM

REPLACEMENT & ASSEMBLY GUIDE

HILTON VACUUMS

DUST EATER RANGE FILTER REPLACEMENT & ASSEMBLY GUIDE

	ISSUE DATE	31 Oct 2017
	APPROVED	C.K
	REVISION	1.0
	NOTES	For Hilton Dust Eater vacuum cleaners

ABOUT THIS GUIDE

This guide lists HILTON Industrial Vacuums protocols followed to ensure HILTONs Quality and Safety standards are achieved. Following the steps in this document and attention to the Quality Control Points (QCPs) ensures the task is completed safely and product quality is maintained.

In this Guide you are going to learn the technique of disassembling, preparing, fitting and assembling a filter section and the important things that must be done.

GENERAL HEALTH & SAFETY NOTES

- Vacuum is **NOT** suitable for Hazardous Dusts, this guide does **NOT** cover Filter changes if so used.
- A competent person must carry out maintenance duties
- Ensure the vacuum is disconnected from power source.
- Task Risk & Hazard Assessment SHALL be completed in conjunction with this work procedure.
- Use tool manuals for references.
- IF IN DOUBT ASK YOUR SUPERVISOR
- HAZARDS
 - Sharp / Burred metal components
 - Heavy Components
 - Exposure to dusts
 - Hot components

SPARE PARTS, ACCESSORY, TOOLS, EQUIPMENT – Can be ordered from Hilton

√	PRODUCTS	CODE	QTY.	√	PRODUCTS	CODE	QTY.
	Filter - Single Sock [DE]	P2130-010C	15		Filter - Seals - 6mm x 9mm x 1350mm [Casting]	P6610-020	2
	Cable Ties 203x4.6mm	P6820-011	15		Hilton Spring Tool		1

TOOLS & EQUIPMENT USED – Customer prepared by themselves

No.	PRODUCTS	No.	PRODUCTS	No.	PRODUCTS
1	½ Face Mask	4	Plyers	7	Long Phillips screwdriver
2	Gloves	5	Side cutters	8	Soldering iron / Scissors or Blade + Lighter
3	Brush	6	Hi-Tac 76 Glue	9	Cardboard etc. working area cover

ASSEMBLY PROCEDURES

1	Cleaning Filter section	[click here to this section]
2	Disassembling Filter section	[click here to this section]
3	Washing the casting and skirt	[click here to this section]
4	Preparing filter Section	[click here to this section]
5	Fitting & Assembling	[click here to this section]
	5.1 Fitting filter socks to casting	
	5.2 Fitting skirt to casting	






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STEP BY STEP PROCEDURE

1. Cleaning Filter section

PROCESS GUIDE: 1. Cleaning > 2. Disassembling > 3. Washing > 4. Preparing > 5. Fitting & Assembling





Task Step	Explanation	Critical Comments
<p>1.1 Disconnect motor from power</p> <p>1.2 Release Toggle Hooks from both Motor.</p> <p>1.3 Remove the Motor and place on a flat surface.</p>		<ul style="list-style-type: none"> - No Hazardous dusts - Wear mask - Wear gloves - Ensure work area is well ventilated.
<p>1.4 Clean dust layer from Filter Socks by pulling and releasing cords.</p>		<p>Leave the filler for 2 minutes to give Dust Layer time to settle inside containment.</p>
<p>1.5 Remove Filter from containment body. Turn upside down and place on work bench.</p>		<p>Line work area with paper/disposable plastic to ensure dust be contained.</p>
<p>1.6 Using a Phillips screwdriver remove screws and washers from lugs and place in a safe area.</p>		
<p>1.7 WET CLEAN: Wash filters using hose.</p> <p>DRY CLEAN: Use brush or clean cabinet to remove bulk of loose dust in well ventilated space.</p>		<p>Wet clean ensures dust suppression where an extraction cabinet is not available.</p>

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2. Disassembling Filter section

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Task Step	Explanation	Critical Comments
2.1 Cut Cords using Side cutters or blade carefully.		
2.2 Cut plastic tie from located at base of sock filters.		
2.3 Using an even pressure lever filter socks using a screw driver or other suitable flat head tool.		
2.4 If replacing the filter seals use a flat head screw driver to slide along seal channel removing seal and residue adhesive. 2.5 Apply the same technique to the top of Filter Casting side.		Broken, missing or overly compressed seals need to be replaced.

3. Washing the casting and skirt

PROCESS GUIDE: 1. Cleaning > 2. Disassembling > 3. Washing > 4. Preparing > 5. Fitting & Assembling







Task Step	Explanation	Critical Comments
3.1 Using water or where necessary a degreaser clean the casting with a stiff bristled brush. 3.2 Scrub the casting and the skirt using the brush and the hand cleaner to softener the dust. Rinse & let them dry.	 	The casting MUST be dust residue free.

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4. Preparing filter Section

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Task Step	Explanation	Critical Comments
4.1 Prepare a spray area		<p>To prevent 'over spray' of Glue, Hi-Tac 76, Cardboard can be used as pictured</p> <p>Apply glue in a well ventilated area away from any hot sources, other electrical equipment or naked flames.</p>
4.2 Replace the seal 4.2.1 Rubber seal is gently pressed into position in casting channel.		<p>Seal uses adhesive backing. Progressively remove backing in sections as seal is laid in channel.</p> <p>Slightly, push the rubber seal down, back to the start point.</p> <p>Never stretch seal.</p>
4.2.2 Seal length needs to overlap by 1mm. Cut to length and push back to fit. 4.2.3 Apply the same technique to the other side of the casting.		<p>Ensure seal is sitting evenly in channel and that no 'ripples' are present.</p>
4.3 Assembly Filter Set 4.3.1 Insert Cord through center of washer and drop washer to base of Filter 4.3.2 Place Spring on Spring tool		<p>Washer must sit flat at Filter base and string running out through it.</p> 
4.3.3 As pictured, insert Cord into centre of Tool and push Tool into the Filter with spring compressed.		

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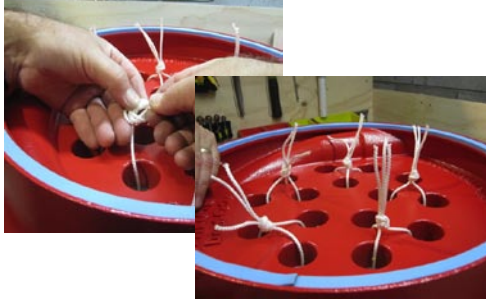
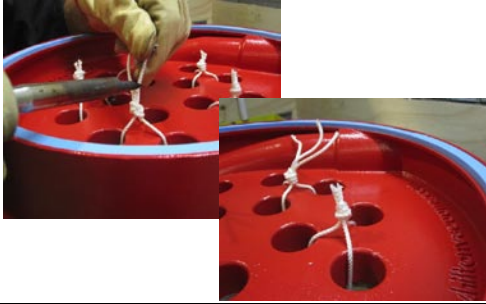

5. Fitting & Assembling

PROCESS GUIDE: 1. Cleaning > 2. Disassembling > 3. Washing > 4. Preparing > 5. Fitting & Assembling

Task Step	Explanation	Critical Comments
<p>5.1 Fitting Filter Sock to Casting</p> <p>5.1.1 Using the shorter end of Spring Tool push spring inside side sock one inch and grip compressed spring with other hand.</p>		
<p>5.1.2 Holding Spring in place remove Tool.</p> <p>5.1.3 Using Hi Tac 76 Glue, Spray expose internal area right around the base to ensure even and complete coverage.</p>		
<p>5.1.4 While holding sock and compressed spring slide Filter onto casting spigot.</p> <p>5.1.5 Slide Plastic Tie to Filter base and pull Tie tight. Plyers may need to be used to tighten Tie as necessary.</p>		<p>Starting in Casting centre</p> <p>Align Filter seam towards centre of casting.</p> 
<p>5.1.6 Cut excess tie with side cutters.</p>		
<p>5.2 Fitting Skirt to Casting</p> <p>5.2.1 Fit M5 washer and Spring Washer to M5 x 16 screw as pictured.</p>		

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Task Step	Explanation	Critical Comments
<p>5.2.2 Fit Skirt over Filters into channel aligning threaded tabs with Casting Bushes</p> <p>5.2.3 Once all screws are lined up do them up taking care not to over tighten.</p>		<p>Begin each screw without over tightening.</p>
<p>5.2.4 Turn Filter over and tie Chords in 'Groups of Three' as pictured.</p>		<p>Use two of the outside strings and one centre string. It should look like a triangle.</p>
<p>5.2.5 A Soldering Iron may be used 'to cut' cords about 5mm above knot.</p> <p>OR</p> <p>Cut Cords 5mm above knot with scissors or blade. A lighter can be applied to string ends to prevent fraying.</p>		<p>Wear correct gloves to avoid burning yourself on Iron or 'Melted String' Ends.</p>
<p>Finished product.</p> <p>Job done!</p>		<p>Leave Glue to dry for 12-24 hours before use.</p>

Please contact us if you need more support.

THANK YOU FOR USING HILTON PRODUCT!



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