MAINTENANCE GUIDE:
DUST EATER FILTER
Filter Sock and Seal
Replacement
FILTER SECTION REPLACEMENT

• 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 to have a completely functional Vacuum cleaner under the HILTON Industrial Vacuums Specifications and Quality control.
MATERIALS AND TOOLS TO BE USED

- 15 Sock filters (supplied)
- Plastic pipe (supplied)
- Blue rubber seal (supplied)
- Washer
- Spring
- Screws & washers
- Plastic ties
- 1 Casting
- 1 Skirt
- 3M Hi-tack 76 Classic – Spray Adhesive
- Pliers
- Nippers
- Screwdriver
- Electric screwdriver
- Brush
- Gloves and mask
- 1 container with 7cm high
1. Cleaning Filter Section
2. Removing Filter Section
3. Washing the casting and skirt
4. Preparing the Filter Section
5. Fitting Filters
6. Vacuum Cleaner Assembly
VACUUM CLEANER HISTORY

• This vacuum cleaner has been used for over 3 years in a Powder Coating company without any repair. The sock filters are hard and blocked, which means, much more demanding for the motor and making difficult a proper day by day filter cleaning.
1. CLEANSING FILTER SECTION

1.1 Open up the toggle hooks from both sides of the vacuum cleaner;

1.2 Remove the motor;
1.3 Pull the strings up to release the dust;

1.4 Remove the casting;
1.5 Unscrew the skirt and separate it from the casting;

1.6 Take the filter to the cleaning room and give an air spray to take the excess of the dust out from the sock filters.
*You MUST NOT inhale the dust, it is very harmful so you MUST wear mask and the appropriate safety equipment.
2. DISASSEMBLING FILTER SECTION

2.1 Cut all the string knots;

2.2 Cut the plastic tie from all the sock filters using the nippers;
2.3 Remove the sock filters using a screwdriver and a hammer if needed;

2.4 Remove the rubber seal using a screwdriver. Apply the same technique to the other side.
3. WASHING THE CASTING AND SKIRT

3.1 Put gloves on;

3.2 Give the casting and the skirt a quick wash;

3.3 Scrub the casting and the skirt using the brush and the hand cleaner to softener the dust;

3.4 Rinse and let them dry;
   *The casting MUST be dust residue free.
4. PREPARING FILTER SECTION

4.1 Sit the rubber seal in the gap all around the casting. Slightly, push the rubber seal down, back to the start point, never stretch it.

4.2 Cut the rubber seal about 1mm longer than the gap and push it back to fit. Press it down to make sure that it is well sealed. Apply the same technique to the other side of the casting.

4.3 Stretch up the end of the sock filter with your fingers so it can fit easily on the casting;

4.4 Put the washer inside the sock filter; *the washer MUST be flat at bottom and the string running out through it.
4.5 Put the plastic pipe through the spring and hold the spring down;

4.6 Push the plastic pipe to the bottom of the sock filter and hold the spring half way down;
*the spring MUST be sitting nicely on the flat washer. The string MUST be coming out the sock filter through the spring.
5. FITTING THE FILTERS

5.1 Spray the 3M Hi-tack glue all around the edge of the sock filter,
*The glue MUST be the same that we have mentioned in this guide.

5.2 Pass the spring and the filter through the plastic tie;
5.3 Keep holding the spring down in the filter and put the string through the casting hole,
*Always start from the centre. The sock filter MUST be well fitted around the casting hole.

5.4 Place the plastic tie correctly and using the pliers pull the tie till it is firmly tied;

5.5 Cut the end of the tie using the nippers.

VACUUM CLEANER ASSEMBLY

6.1 Unite the skirt and casting using 1 screw and 2 washers for each hole,
*Make sure that the skirt amendment stays on the same direction of the hose pipe connection.

6.2 Tie the strings up, making sure that there are 5 knots in a triangle form
*Put something hard and flat under the filters that is being tied up to hold them up.

6.3 Put the casting back in the drum, the motor on top of the casting, put the toggle hooks on to lock the vacuum cleaner.

6.4 The glue MUST dry for 8 hours before using the vacuum cleaner;