



AW118CI Code 105844

AWCIH Code 105872

Original Instructions

AW118CI & AWCIH

Cyclone Interceptor



AW118CI
Cyclone Interceptor Unit



AWCIH
Cyclone Interceptor Head



INTRODUCTION

AW118CI Cyclone Interceptor Code 105844

This is a stand-alone, unpowered cyclone dust collector/interceptor. It uses the cyclone head from the AW118CE Cyclone Dust Extractor. It is designed to be used with a standard High Volume Low Pressure (HVLP) chip extractor to provide the airflow. Using this interceptor, you can create a wood dust and chip extractor which will handle even fine dusts from drum sanders. You can either use this unit to upgrade your current workshop chip extraction system (with the typical bag filter) or place this unit next to a drum or belt sander to intercept the fine dust before the air stream reaches the chip extractor.

It has a generous 118 litre waste bin, and castors to allow easy mobility around the workshop.

It is fitted with 102mm inlet and outlets, which suits many common woodworking machines. We recommend using a chip extractor with at least a 1.5hp motor, such as the AW82E.



AWCIH Cyclone Interceptor Head Code 105872

This is just the Cyclone body unit only, with 102mm inlet and outlets with a flange mounting on the bottom to allow you to use your own waste container. This gives great flexibility of choice, size and mounting position within the workshop. We recommend using a chip extractor with at least a 1.5hp (1.1kW) motor, 1,000 m³/hr air flow.

Building a Waste Container

To use, you will need to build a waste container to suit your application, making sure that it is air tight, and can be emptied easily. These are commonly made from 12mm plywood. An alternative container can be made by using an open metal or plastic container and manufacturing a suitable air tight lid. Be careful not to make too large a container, think of the weight involved in emptying it of wood waste. The cyclone will need to be mounted onto the lid, so make sure that the lid is strong enough to take the weight. Use an appropriate sealer between the interceptor flange and container lid.

AWCIH Interceptor Head

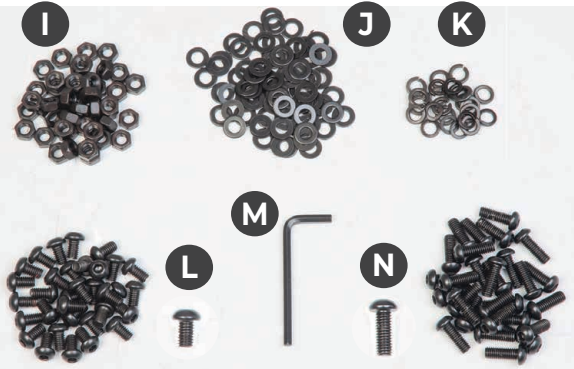
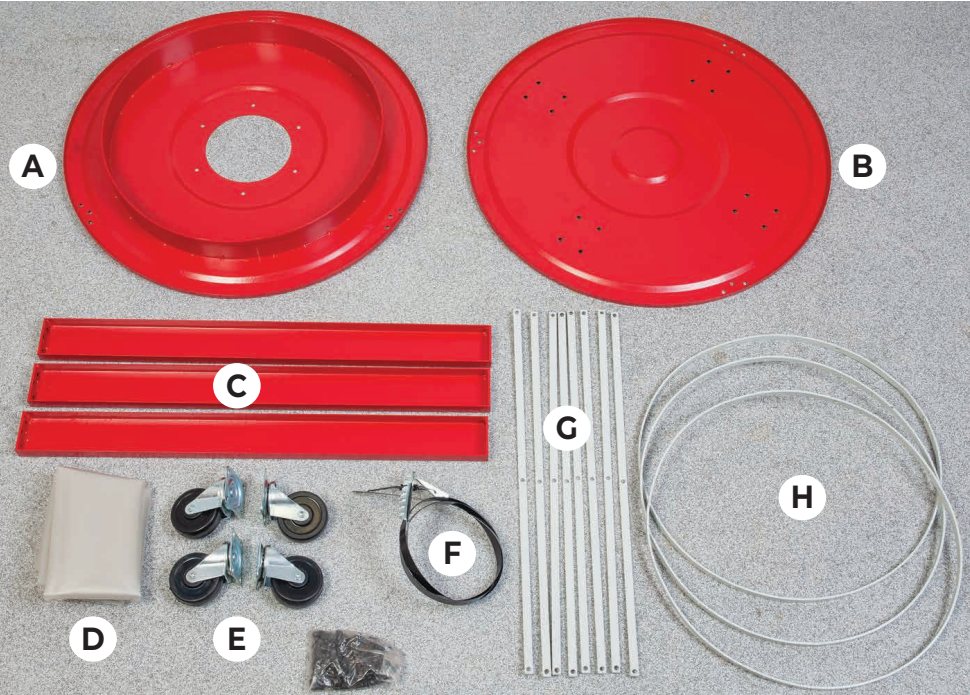


Once you have the interceptor head mounted onto your waste container, it is just a matter of connection. This is simplicity itself, just an inlet connection from the dust producing machine (A) and an outlet (B) to the air volume source, typically a (HVLP) chip extractor.

In use, you should expect around 90-97% separation of the wood waste from the air stream, in simple terms the amount of waste reaching the chip extractor will be a small fraction of the waste produced.

WHAT'S INCLUDED

AW118CI Cyclone Interceptor Code 105844

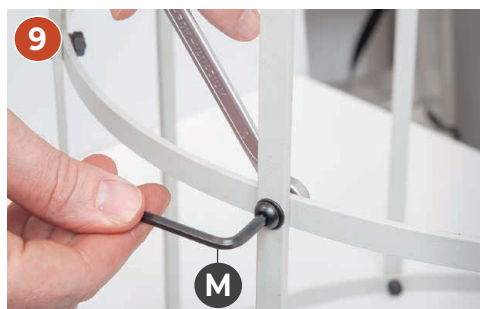
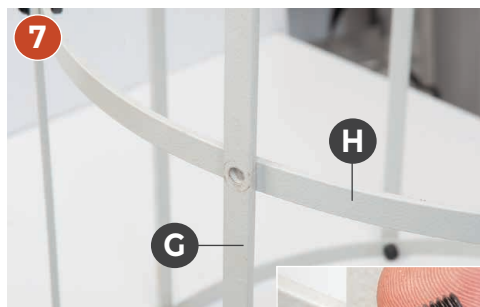


A	Container Top	x1	H	Inner Cage Steel Circular Rings	x 3
B	Container Base	x1	I	Nuts	
C	Support Columns	x 3	J	Thin Washers	
D	Collecting Bag	x1	K	Spring Washers	
E	Castor Wheels	x 4	L	Short Domed Hex Screws	
F	Securing Belt Strap	x1	M	Hex Key	
G	Inner Cage Steel Bars	x 8	N	Long Domed Hex Screws	
			O	Cyclone Interceptor	

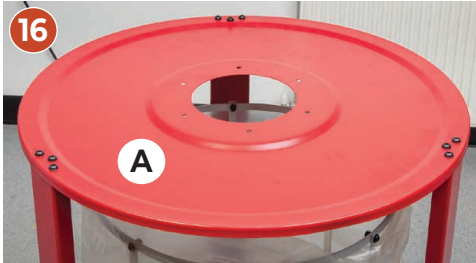
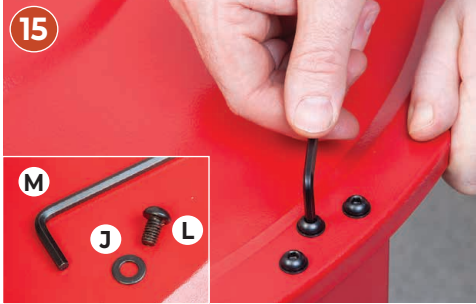
ASSEMBLY

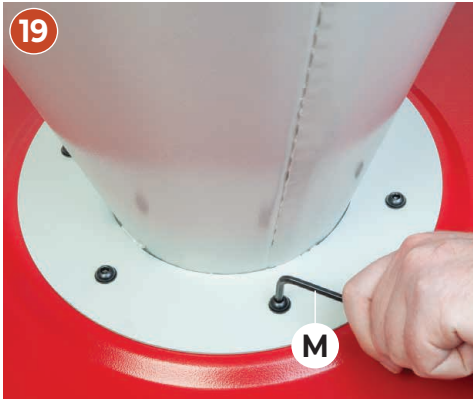


Dust Bag Inner Cage



ASSEMBLY





Connect the dust producing machine to the inlet (A) and an outlet (B) to the air volume source, typically a (HVLP) chip extractor.

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