



The Industry Leader in Dust Collection

Dust Deputy Low-Pro™ Lid Separator

DIY / Deluxe

AXD250099

AXD259922



Patents: www.oneida-air.com/patents

Rev: D 20240105LL

Appearance may vary slightly

Doc. # ZBM000047

System Start-Up Information



READ THE SAFETY PRACTICES, INSTALLATION AND MAINTENANCE INSTRUCTIONS, AND YOUR WET/DRY VACUUM'S OWNER'S MANUAL BEFORE ASSEMBLING AND USING THE DUST DEPUTY.

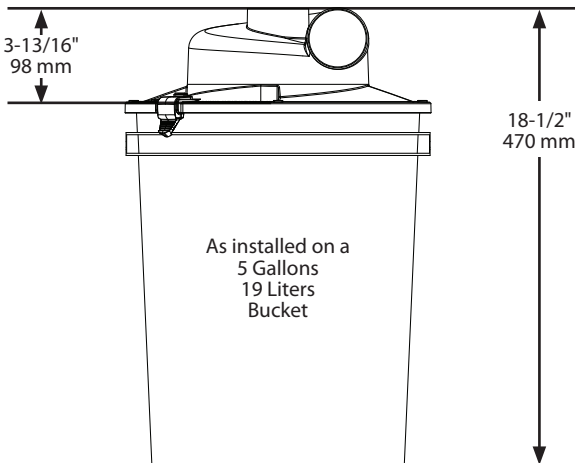
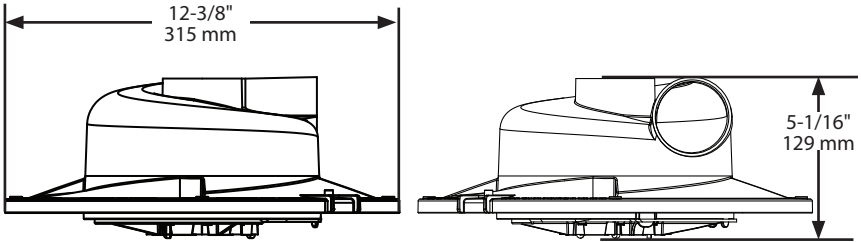
1. DO NOT use to pick up anything that is burning or smoking, such as cigarettes, matches, or hot ashes.
2. DO NOT collect flammable or combustible liquids, gases, or explosive dusts, such as gasoline or other fuels, lighter fluid, cleaners, oil-based paints, natural gas, hydrogen, coal dust, magnesium dust, grain dust, aluminum dust, sugar dust, flour dust or gun powder.
3. Can be used for collecting non-flammable liquids.
4. DO NOT use or store near hazardous materials.
5. DO NOT operate the in areas where explosion risks are high. Areas of high risk include, but are not limited to, areas near pilot lights, open flames, or other ignition sources.
6. ALWAYS wear a NIOSH approved respirator when emptying dust bins and during operation. Dust created by machinery operations may cause cancer, birth defects, or long-term respiratory damage. Be aware of dust hazards associated with each work piece material.
7. NEVER introduce sparks or sources of ignition.
8. ENSURE all equipment and connections are electrically grounded.
9. ONLY operate in locations that has a fire extinguisher available nearby.
10. ALWAYS dispose of waste in a fire safe area after each use. NEVER leave wood dust in a building or vehicle. Wood dust mixtures are highly flammable and can be explosive.



SOME DUSTS ARE HIGHLY FLAMMABLE OR EXPLOSIVE. LEARN/ KNOW WHAT YOU ARE DEALING WITH. FOLLOW ALL LOCAL, STATE, FEDERAL & NFPA CODES AND GUIDELINES.

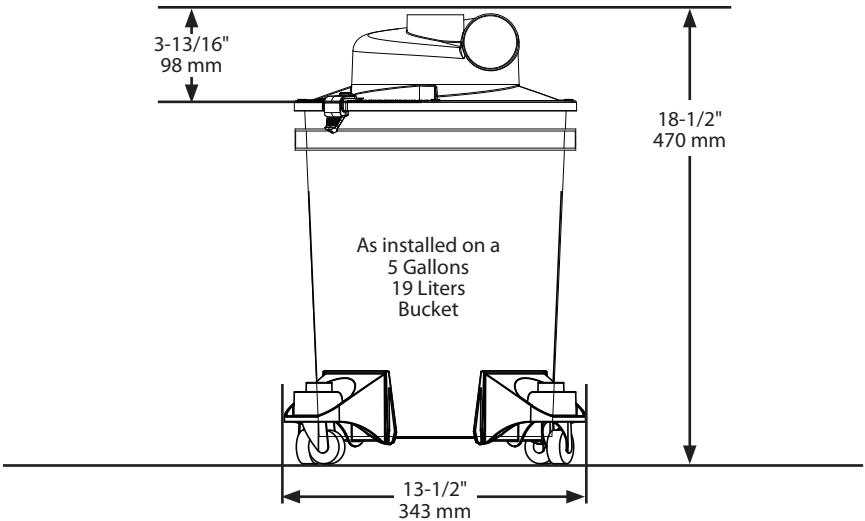
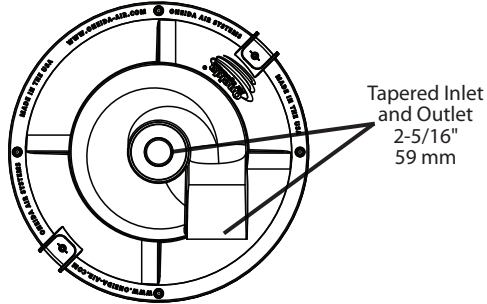
System Dimensions

Nominal dimensions shown. Dimensions subject to slight variations in manufacturing.



System Dimensions

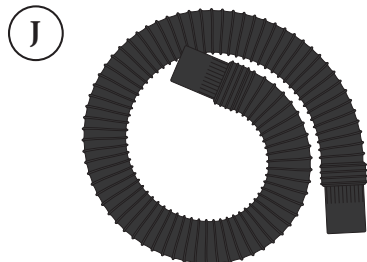
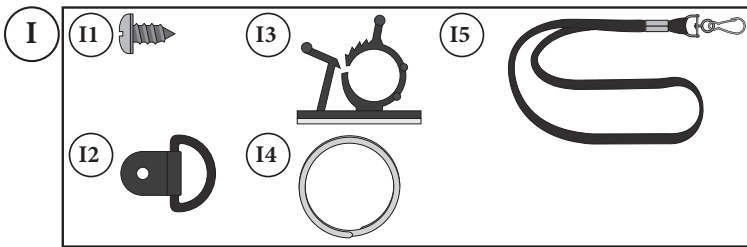
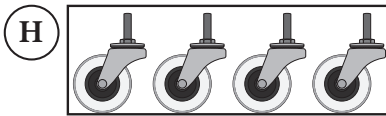
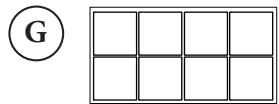
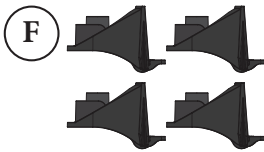
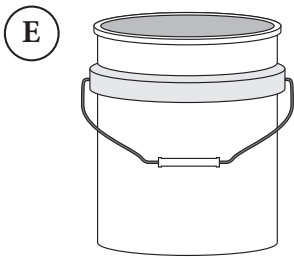
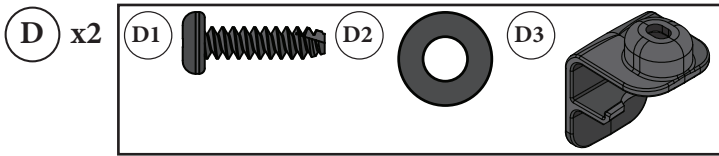
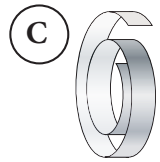
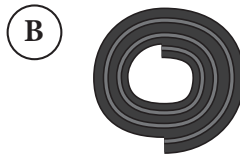
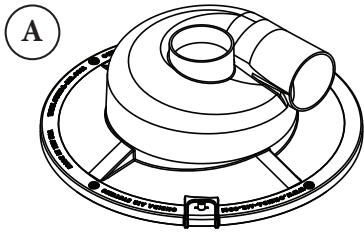
Nominal dimensions shown. Dimensions subject to slight variations in manufacturing.



System Contents

ID	Part number	Part description	Qty
A	SDL250000	Lid Separator	1
B	RGZ000005	5/8 x 40" Gasket	1
C	VFA050015	Metal Grounding Tape	30"
D	AHX000035	Latch Hardware Pack	2
D1	AFS000016SS	#8 x 5/8" Thread Cutting Screw	1
D2	AFW041010	Flat Washer	1
D3	AFL000009	Latch	1
INCLUDED ONLY WITH DELUXE SYSTEMS			
E	SDS050002	5-Gallon, 100-Mil, Plastic Bucket	1
F	RHB000000	Caster Mounts (4 Pack)	1
G	AFQ080101	Double Sided Tape	1
H	RHC158716	Casters (4 Pack)	1
I	RHS000004	Tether Pack	1
I1	AFS080375	#8 x 3/8 Sheet Metal Screw	1
I2	AFB148000	D ring with clip	1
I3	AFC000007	PSA Retainer Clip	1
I4	AFB100000	Split ring	1
I5	AFH343800	Lanyard	1
J	AXD000031	2.5" x 36" Hose	1
K	AHA000004	2.5" Elbow	1

System Contents



Assembly Instructions

You will need the following:

- Phillips Head Screwdriver
- Bucket
- Scissors / Razor Blade
- Wet/Dry Vacuum
- Vacuum hose and adapters (2.5" recommended)

1

Apply the 5/8" Gasket (B) onto the Lid Separator (A) along the underside of the rim's circumference [FIG. 1a & 1b].

Note: The Gasket ends should firmly butt up against each other to avoid air leaks [FIG. 1b]. Dust collection systems cannot operate effectively if there isn't a complete seal [FIG. 1c]. There must be NO air leaks.

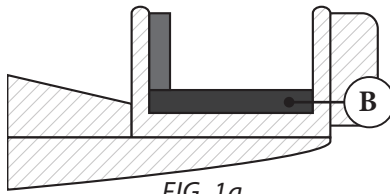


FIG. 1a



Correct Installation

Gasket connects; Ends firmly butt up against each other.



Incorrect Installation

Gasket does not connect; Gap between the ends.

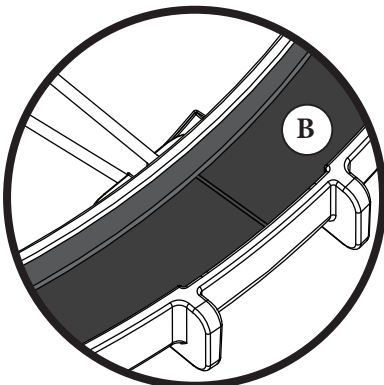


FIG. 1b

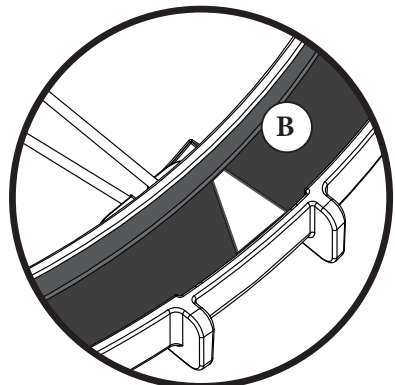


FIG. 1c

Assembly Instructions

- 2** Secure each Latch (D3) to the Lid Separator (A) using one Washer (D2), and one Screw (D1) as shown in [FIG. 2]

Note: Refer to Optional Grounding Instructions prior to installing the Latch Hardware Pack (D) if necessary.

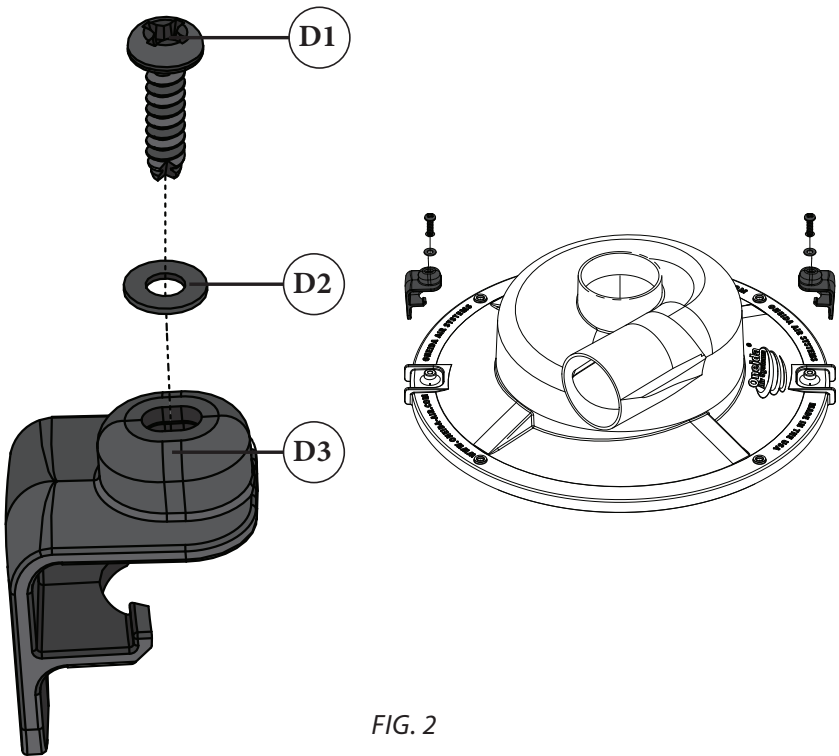


FIG. 2

Assembly Instructions (Continued)

3

If you did not purchase the Deluxe Unit, proceed to Step 8.

Insert the Casters (H) into the Caster Mounts (F). Apply pressure and twisting motion until Wheels snap into place [FIG. 3].

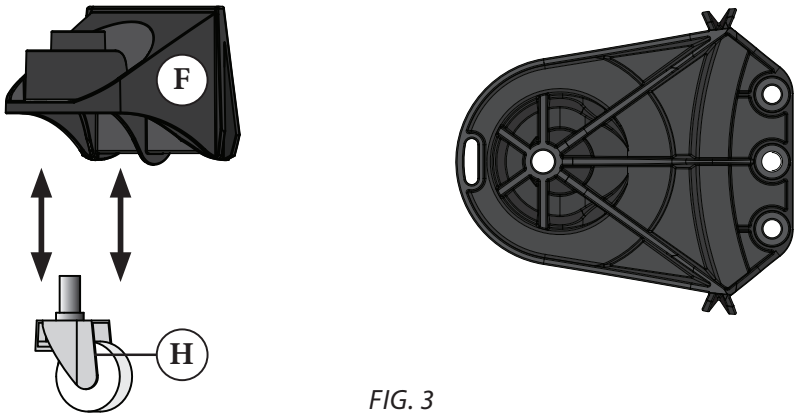


FIG. 3

4

Ensure that the surfaces on the Bucket (E) and Caster Mounts (F) are clean and dry. Remove a square from the Double Sided Tape (G) and apply to the Caster Mount in the recessed location at each corner [FIG 4].

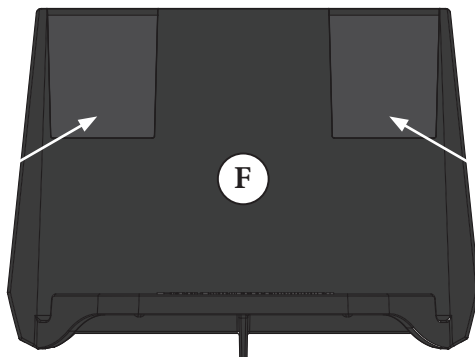


FIG. 4

Assembly Instructions (Continued)

5

Flip the Bucket (E) upside down and arrange the Caster assemblies evenly around the bottom edge [FIG. 5].

Note: We recommend arranging the Caster Assemblies at 90° increments from each other for the most stable setup.

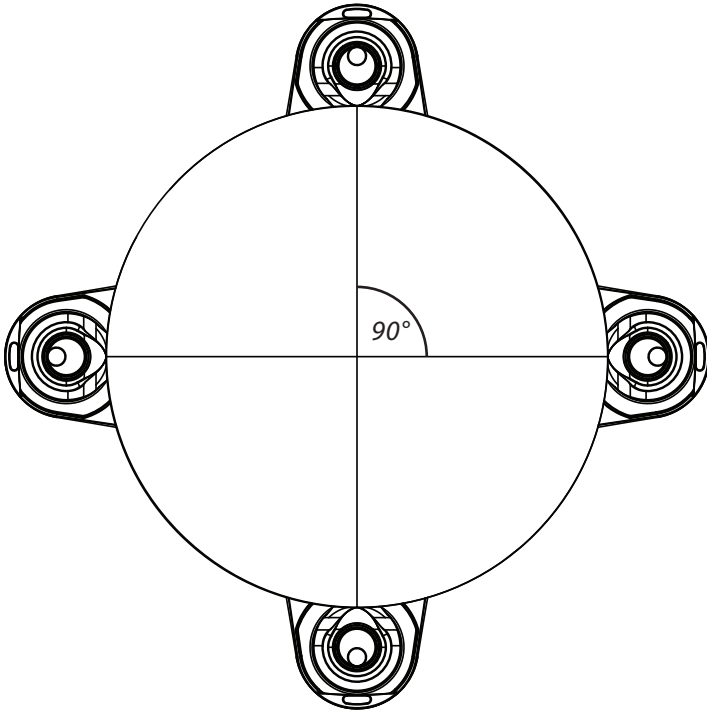


FIG. 5

Assembly Instructions (Continued)

6

The Caster assemblies must be adhered to the Bucket (E) with a single smooth motion so that the bottom edge of the Bucket fits within the recessed channel of the Caster Mount [FIG. 6a].

Remove the backing paper from the Double Sided Tape (H) on the Caster assembly. Rest the lip of the Caster assembly against the bottom of the Bucket and then rotate the Caster assemblies flush against the side of the Bucket. Press firmly for a secure fit [FIG. 6b].

Note: Optional step to more securely attach the Caster Mounts to the Bucket we recommend a ¼"-20 nut and ¼"-20 x 1/2" bolt (not included).

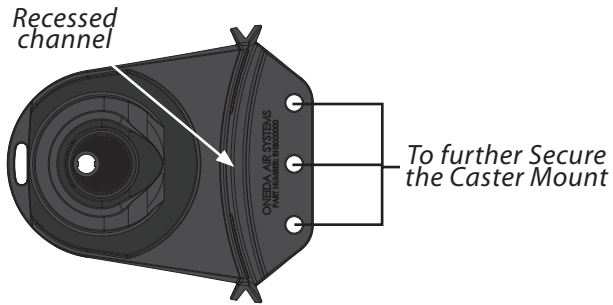


FIG. 6a

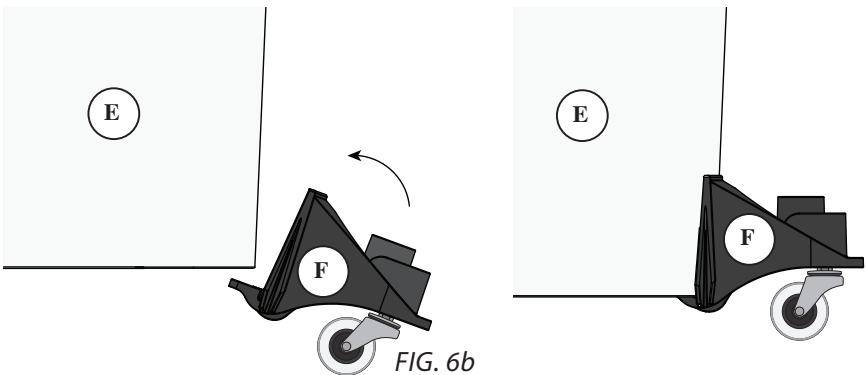


FIG. 6b

Assembly Instructions (Continued)

7

The Dust Deputy Low Pro Deluxe can be attached to your wet/dry vacuum to move as one unit. The Tether Pack (I) includes a variety of components to meet the needs of any make/model vacuum. Examine your vacuum configuration first to review what option works best. You are not limited to the below options:

- a. Attach the Split Ring (I4) to the slot on the Caster Mount (G) and attach the Retainer Clip (I3) onto your vacuum's foot caster. Then loop the Lanyard (I5) around your vacuum's foot caster and through itself and the Retainer Clip. Finally, clip the Lanyard to the Split Ring. [FIG 7a]
- b. Attach the D ring (I2) to the vacuum with the Sheet Metal Screw. (I1) Then loop the Lanyard (I5) around the slot on the Caster Mount and through itself. Finally, clip the Lanyard to the D ring [FIG 7b] [FIG 7c].

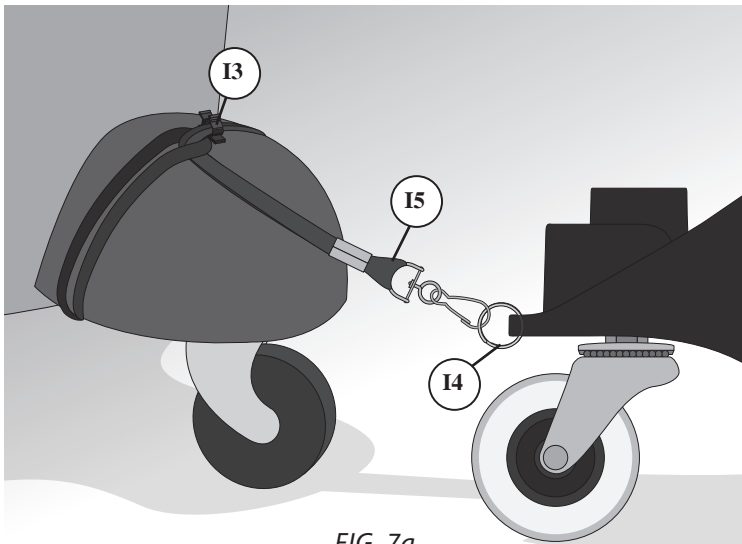


FIG. 7a

Assembly Instructions (Continued)

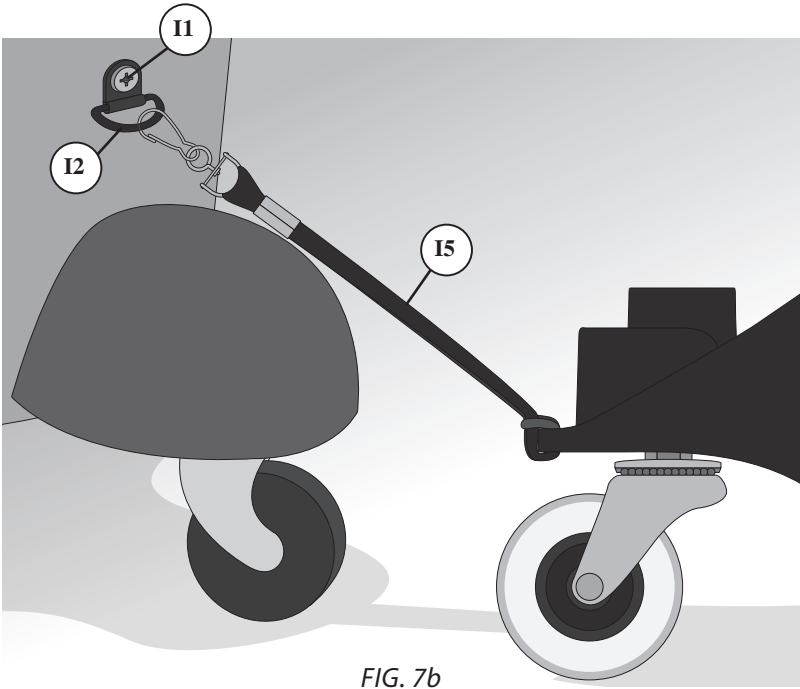


FIG. 7b

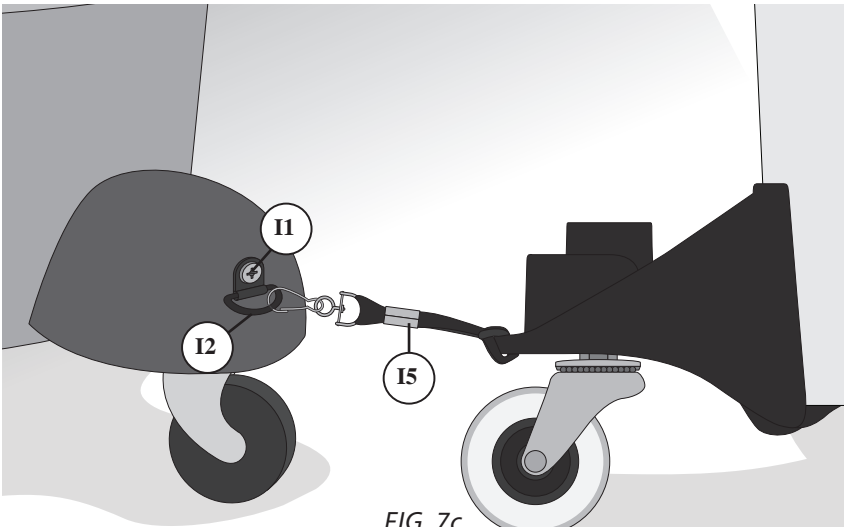


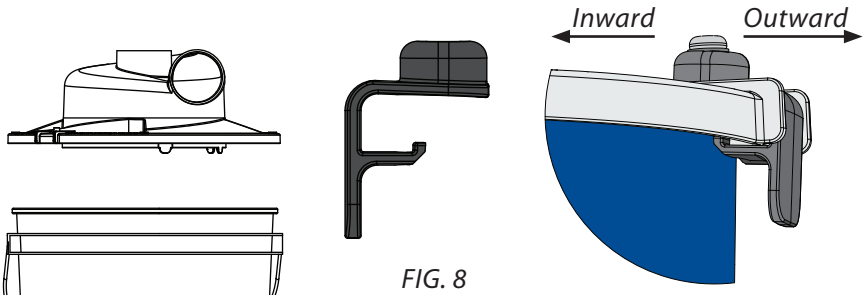
FIG. 7c

Assembly Instructions (Continued)

8

Simultaneously pull the Latches (D3) outward and snap the Low-Pro assembly firmly down onto your bucket – either (E) or your own – so that the gasket is compressed. Then push the Latches inward and ensure that they are under the lip of the bucket [FIG. 8]. The latch Screw (D1) can be adjusted to better tighten the latches to the lip of the bucket.

Note: It's normal for the Low-Pro to fit loosely but it will seal firmly shut under vacuum pressure.



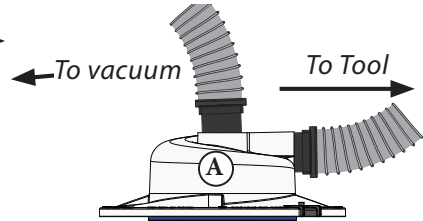
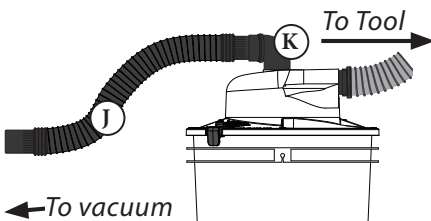
9

If you purchased the Deluxe Unit, connect the Low-Pro's (A) top outlet port to your vacuum with Hose (J) and Elbow (K) as shown in [FIG. 9a].

If you purchased the DIY Unit, connect the Low-Pro's top outlet port to your vacuum with your hose [FIG 9b].

Connect the Low-Pro's side inlet port to your tool with your vacuum's hose [FIG. 9a] [FIG. 9b].

Note: Both ports accept standard 2.5" hose cuffs (OD \approx 2.25").



Assembly Instructions (Continued)

10

Make sure there are no air leaks at the connections. Review [FIG. 11] for common leak points.

To empty your bucket, lift up on the Latches (D1) and lift up the Low-Pro Assembly.

Installation is complete!

Note: Any air leak will affect separation performance. Make sure to check your dust drum frequently so you do not overfill it. One option to check for air leaks is with a smoke test. Test kits are found at most hardware stores in the HVAC section. Introduce smoke around every leak point. If you see the smoke being drawn into the system, you've found an air leak that needs to be sealed.

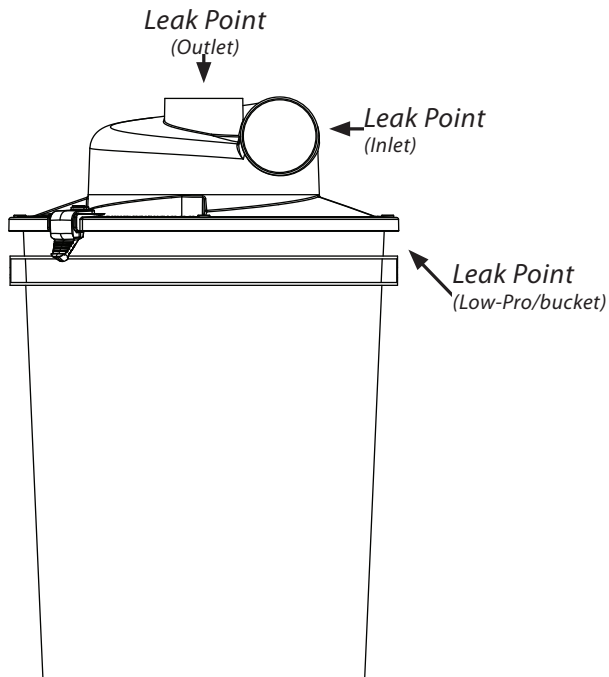


FIG. 11

Optional Grounding Instructions



Recommended for fine dust situations or electronically sensitive applications.

11

Install the Metal Tape (C) to the Lid Separator (A) so that the inlet, outlet, and flange are attached by a continuous, conductive path. The tape should wrap 1/4" around the edge of each opening [FIG 12].

Note: For added grounding, attach a self-supplied wire with a ring terminal on one end and a washer tied to the other end when installing one of the latches in step 2. The wire must be long enough for the washer to lie on the floor [FIG 11b].

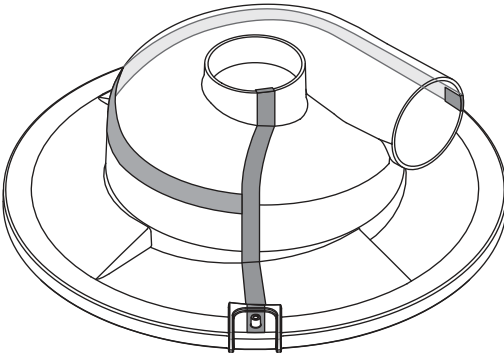


FIG. 11a

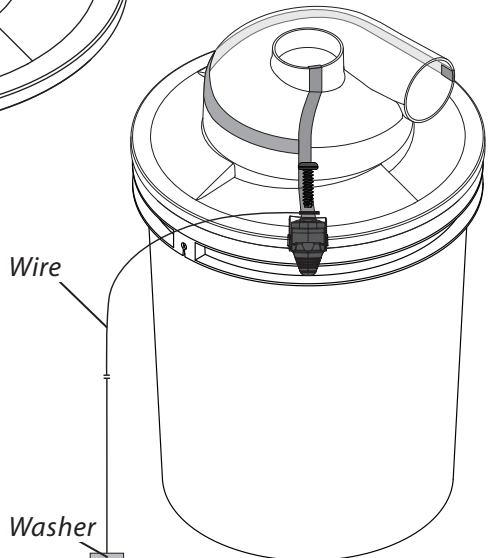


FIG. 11b

Troubleshooting

Scan here or visit: oneida-air.com/lowes-dust-deputy-low-pro for more tips, videos, demos, and more!



Review the included document "Additional Troubleshooting" (ZBI000072) for further clarification.

Accessories



2.5" x 4.5' Wire Reinforced Vacuum Hose

#AXD250054

- Crush-resistant, flexible hose with a smooth-wall inner lining that minimizes air resistance.



1.25" x 1.5" Hose Adapter Kit

#AKD000000

- Includes reducers, adapters, and O-rings for connecting smaller vacuum hoses to standard Dust Deputy ports.

Warranty Information

Limited Warranty – Activate online at oneida-air.com/warranty

Oneida Air Systems, Inc. (Oneida Air Systems) warrants the Dust Deputy for a period of 1 year, to the original purchaser from the date of purchase, unless otherwise specified. Items not manufactured by Oneida Air Systems are limited to their own manufacturer's warranties. All electrical items such as magnetic starters, remotes, sensors, pumps, bin sensors, bag grippers, etc. and accessories are limited to 90 days. Oneida Air Systems warrants that the product will be free from defects in materials and workmanship.

This is Oneida Air Systems' sole written warranty and any and all warranties that may be implied by law, including any merchantability or fitness, for any particular purpose, are hereby limited to the duration of this written warranty. Oneida Air Systems does not warrant or represent that the merchandise complies with the provisions of any law or acts unless the manufacturer so warrants. This warranty does not apply to defects due directly or indirectly to misuse, negligence, accidents, abuse, repairs, alterations, improper wiring or lack of maintenance. In no event shall Oneida Air Systems' liability under this warranty exceed the purchase price paid for the product and any legal actions brought against Oneida Air Systems shall be tried in the State of New York, County of Onondaga.

The buyer is cautioned to install and operate dust collectors in accordance with prescribed federal, state, OSHA, NFPA, local codes and regulations. This equipment should be installed/wired by a licensed electrician following all applicable codes. Local codes can be significantly different from national codes. The customer assumes the responsibility for contacting their insurance underwriter with regard to specific application requirements of venting or if additional fire protection and safety equipment may be required. Oneida Air Systems shall in no event be liable for death, injuries to persons or property, or for incidental, and contingent, special, or consequential damages arising from the use of our product.

Oneida Air Systems makes every effort to accurately represent our products and prices, however Oneida Air Systems reserves the right to make changes to products and prices at any time. As a manufacturer, Oneida Air Systems reserves the right to change product specifications at any time in an effort to achieve better quality products.



ONEIDA AIR SYSTEMS SHALL IN NO EVENT BE LIABLE FOR DEATH, INJURIES TO PERSONS OR PROPERTY, OR FOR INCIDENTAL, AND CONTINGENT, SPECIAL, OR CONSEQUENTIAL DAMAGES ARISING FROM THE USE OF OUR PRODUCT.



SAFETY WARNING - PLEASE READ

Before purchasing or installing a dust collection system, the buyer is cautioned to do so in accordance with prescribed federal, state, local, OSHA, NFPA, and any other applicable codes or regulations relating to the type of dust(s) you are collecting.

SOME TYPES OF DUST UNDER CERTAIN CONDITIONS HAVE THE POTENTIAL TO BE EXPLOSIVE.

Oneida Air Systems is not responsible for how the dust collector is used or installed. Dusts with deflagration or explosion risks, such as wood dust, may require additional safety equipment, including but not limited to; venting, spark detection, suppression systems, backdraft dampers or may require installation in an outside location or in a protected area away from personnel. The customer assumes the responsibility for contacting their insurance underwriter with regard to specific engineering controls or application requirements. We suggest you reference NFPA 664, 654 and 68 codes for more information. Oneida Air dust collection systems may not be suitable for some applications and are not designed to be used in explosive atmospheres. Oneida Air Systems equipment should only be installed and wired by a licensed electrician following all applicable local and national electrical codes.

Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are: lead from lead-based paints; crystalline silica from bricks, cement and other masonry products; arsenic and chromium from chemically-treated lumber; etc.

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals, work in a well ventilated area, and with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles. Oneida Air Systems recommends using additional approved safety equipment such as an approved OSHA and NIOSH dust mask or respirator.



The **Industry Leader in Dust Collection**

**Thank you for your purchase
of this American made product!**

Regardless of where you purchased your Oneida Air Systems' product, if you have any questions or issues with missing / damaged parts, please call us first to let us help resolve your problem. We fully stand behind the quality of our products and place the utmost value on the satisfaction of our customers.

We want to do everything possible to make your purchase and experience with Oneida Air Systems a good one!

Customer Service Department

1-866-387-8822 • support@oneida-air.com

1001 West Fayette Street, Syracuse, NY 13204 U.S.A.

Copyright © 2024 Oneida Air Systems, Inc.