



# Owner's Manual

## 3-IN-1 Multi-Purpose Mover

### Covers 3-IN-1 Multi-Purpose Mover Models:

Model No.	Description	Lift rating (lbs.)	Speed	Vacuum Capability
MP3400	3-IN-1 Multi-Purpose Mover	2,300	Single	No
MP3400-VS	3-IN-1 Multi-Purpose Mover	2,300	Variable	No
MP3401	3-IN-1 Multi-Purpose Mover	2,300	Single	Yes
MP3401-VS	3-IN-1 Multi-Purpose Mover	2,300	Variable	Yes
MP3480	3-IN-1 Multi-Purpose Mover	2,300	Single	No
MP3480-VS	3-IN-1 Multi-Purpose Mover	2,300	Variable	No
MP3481	3-IN-1 Multi-Purpose Mover	2,300	Single	Yes
MP3481-VS	3-IN-1 Multi-Purpose Mover	2,300	Variable	Yes

NOTE: This manual references models with a 120V blower and "B" type electric plug. This manual is also valid for 220V Airsled systems sold with the respective, country-specific electrical cord/plug sets.

## SAFETY INSTRUCTIONS FOR USE

- Airsled systems can move countless objects provided that the appropriate conditions exist and that the load's weight is within the system's maximum lifting capacity. These conditions include the following:
  - ✓ Surface is level and free of incline and/or decline. DO NOT attempt using your Airsled system on inclines, declines, ramps or stairs.
  - ✓ Surface is smooth and non-porous and free of debris. Porous surfaces such as carpeting requires use of Airsled's Rough Surface Adapters (RSAs).
  - ✓ Load's weight is evenly distributed. If not the case, the air beams may need to be positioned in a manner to help offset the uneven weight distribution (e.g. closer to the heavier side of the load).
  - ✓ Lower center of gravity is better. Attempting to move an object with a high center of gravity may result in undesirable tilting when lifted leading to a tipping hazard. If moving an object with a high center of gravity, ensure adequate support is present to offset any tilting.
- Keep all parts of the body, especially hands and feet, away from underneath the air beams and the load being lifted while operating your Airsled.
- DO NOT stand or ride on the air beams.
- To avoid electric shock, do not use in damp or wet locations. Do not expose the blower to water or other liquids. Use only grounded power cords and outlets.

## AIRSLED 3-IN-1 MULTI-PURPOSE MOVER COMPONENTS

Qty	Description
3	Aluminum air beams*
1	Blower (may/may not have variable speed and/or vacuum capability depending on model)
1	Shoulder strap
n/a	Vacuum cleaner nozzles and attachments for models with vacuum capability
1	Tee connector
1	4-way connector
3	Supply hoses that connect to the air beams
1	Lead hose that connects to the blower
6	Rough Surface Adapters (RSAs)
6	Spacer sticks
1	Carrying bag for your complete system

Please see **Exhibit 1** for a detailed system diagram to order replacement parts.

## BEFORE USING THE AIRSLED 3-IN-1 MULTI-PURPOSE MOVER

- Remove objects from the top and inside of the load you plan to move to prevent damage.
- Shut OFF or disconnect any gas, electric or water that may be connected to the load.
- Nonstructural features prone to bending near the load's base such as grill covers should be removed; the air beams should only make contact with the load's structural frame during movement.
- Verify that no other features or fixtures (e.g. hoses, drip pan, connectors, flanges) hang down from the load's base that may prevent the air beams from making contact directly with the structural frame.
- Because an Airsled will elevate the load, measure the overhead clearance between the highest point of the load and any overhead objects such as cabinets or other overhangs. If less than 2", please see the **Control and Maneuverability** section.
- If your model has Variable Speed (VS) performance, you will be able to control the rate and height of air beam inflation for greater control and safety in tight, overhead clearance situations.

## POSITIONING THE AIR BEAMS

- 3N1 MP Mover air beams are 3/16" thick. There must be enough clearance between the floor and the load's base to allow the air beams to be freely slid into place. DO NOT force the air beams under the load.
- If the gap between the air beam and load's base is greater than 1 1/2", the air beams may not produce the necessary lift. The included spacer sticks are 1/2" thick and may adequately bridge the gap. For larger gaps, Airsled offers ADJUSTABLE SPACER SYSTEMS. More information on these items can be found on [www.Airsled.com](http://www.Airsled.com). Wood blocking can also be used to bridge the gap.
- Slide the air beams under the load. See figure 1.

**NOTE:** The 3N1 MP Movers are adaptable to countless loads of varying dimensions, weights and footprints. Users will have to determine for themselves, based on their specific load, the optimal placement of the air beams to achieve maximum Airsled performance. Figure 1 simply shows one example of the air beam placement.

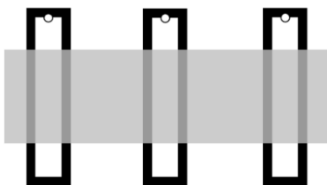
- 3N1 MP Mover air beams are 12" wide x 39" long. The load should ideally be centered over the air beams for optimal Airsled performance. You may need to adjust air beam placement several times until the load maintains a level (non-tilting) orientation once the air beams are inflated.



Figure 1

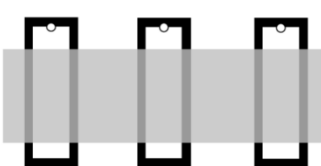
## TIPS FOR AIRBEAM SELECTION AND PLACEMENT

### GOOD Air Beam Sizing for Load's Footprint



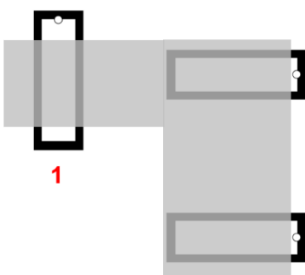
**ALL** air beams centered to load's lifting points. Air beams **more likely** to bow during lift because **more extension** in front and rear.

### BETTER Air Beam Sizing for Load's Footprint



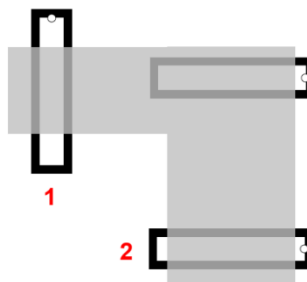
**ALL** air beams centered to load's lifting points. Air beams **less likely** to bow during lift because **less extension** in front and rear.

### GOOD Air Beam Placement



**ONE** air beam centered to load's lifting points

### BETTER Air Beam Placement



**TWO** air beams centered to load's lifting points

The 3-IN-1 Multi-Purpose Mover is designed for maximum versatility and is ideal for loads that have either unusual footprints or uneven weight distribution. When evaluating the 12x39 or 10x48 model, consider the following to ensure optimal performance.

You want to A) Position the air beams so they are centered under the lifting points and/or have as much of the load as possible directly over the air beams, and B) Minimize extension of the front and rear of the air beams past the load. The diagrams to the left help illustrate these points.

## CONNECTING THE AIRSLED COMPONENTS

- No tools are required to connect or disconnect the Airsled components. All connections between the blower, lead hose, 4-way (or Tee) connector, supply hoses and air beam inlets should be done by hand until a snug fit. See figure 2.

**NOTE:** When connecting or disconnecting the supply hoses to the air beams, do so by grabbing the:

**Solid hose end**

**Solid plastic inlet**

Pulling only the soft hoses may damage your system.



Figure 2

## OPERATING YOUR AIRSLED

- Once the air beams are in position and all connections are snug, you are ready to plug your system into a grounded electrical outlet.
- Strap the blower comfortably over your shoulder and engage the power switch. Alternatively, you can position the blower on or attach it to the load if more convenient. See figure 1.
- BE PREPARED** to brace and control the load once your Airsled system is activated. Using both hands to control and maneuver the load at all times is recommended. See figure 1.

## CONTROL AND MANEUVERABILITY

- All Airsled systems have an air flow controller. See figure 6. By fully opening the controller, less air will flow into the air beams. This can help reduce the lift especially in situations where overhead clearance is limited (e.g. less than 2").
- When overhead clearance is less than 2"**, the load may get "wedged" in place once it is lifted by the air beams. Overhead with less than 2" clearance may also get damaged when the load is lifted. If fully opening the air flow controller does not resolve this issue, you can rapidly toggle the power switch between the ON/OFF positions. This will partially inflate the air beams allowing you to slowly move the load. **WARNING** – this toggle approach requires two operators and should be done using extreme caution to avoid injury or damage.
- Systems with dial-controlled, **VARIABLE SPEED** performance. (see figure 4) can have the rate and height of air beam inflation controlled making the load less likely to get wedged due to tight, overhead clearance. If clearance is less than 1", it is recommended you turn up the air flow gradually.
- Tilting** may occur if the load is not optimally positioned over the air beams. Excessive tilting may lead to both suboptimal Airsled performance as well risk of injury and/or damage during the load movement. When all three air beams are used, the operator will need to determine the best locations for the air beams under the load to minimize tilting. It is common for two of the air beams to be located under the area of highest weight distribution. Figure 5 illustrates the placement of the air beams under a load with uneven weight distribution.



Figure 3



Figure 4

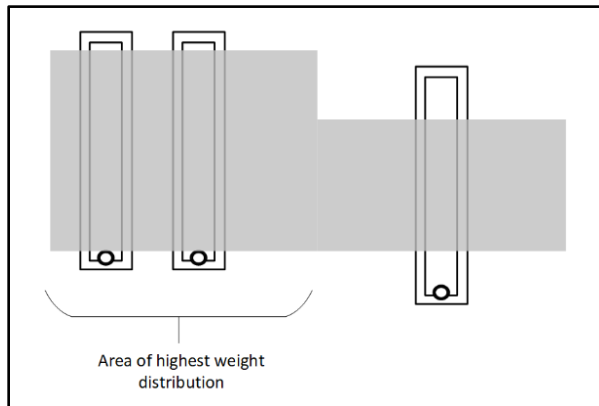


Figure 5

## GOING OVER POROUS SURFACES SUCH AS CARPETING

All Aired systems come with plastic Rough Surface Adapters (RSAs). The RSAs are 10" wide x 36" long and laid on top of the porous surface. The air beams **MUST BE PLACED OVER THE RSAs** in order for your system to perform properly. See figure 6. Your system comes with 6 RSAs allowing you to create a short track to move the load. If moving the load over long distances, heavy cardboard paper such as Ram Board® floor protection can be used. See figure 7.



Figure 6



Figure 7

## CARE AND MAINTENANCE

Aired systems are proudly made in the USA using the highest quality materials. If properly used and maintained, your Aired product will have a long service life. To ensure optimal performance and longevity, we recommend the following:

- Keep the edges of the air beams from striking hard objects.
- When moving or repositioning the air beams, avoid dragging the corners.
- Avoid lifting and carrying the air beams by the inlets. Carrying the air beams by only the inlets may cause them to come loose over time.
- Periodically inspect the blower filter and bag depending on model. These components should be cleaned to ensure peak performance of the system's blower.
- Check the rubber fabric for rips and dirt. If dirty, water with a mild detergent can be used to clean them as well as household cleaning sprays such as Windex®. To restore the rubber fabric's shine, Armor All® is recommended.
- If you find any rips in the fabric, please see the Repairs and Refurbishment section.

## REPAIRS AND REFURBISHMENT

Wear and tear over time especially with frequent use may cause components to fail. Airsled offers refurbishment services that can restore your aluminum air beams to as-new condition. More information can be found on [www.Airsled.com](http://www.Airsled.com). Due to safety and regulatory concerns, Airsled cannot refurbish the blower. Airsled also sells replacement parts. Please see detailed parts list in Exhibit 1. Any repairs performed by the end-user should be considered temporary. We recommend contacting Airsled to determine the proper course of action based on the nature of the issue. Some common, temporary repairs that can be performed in the field include:

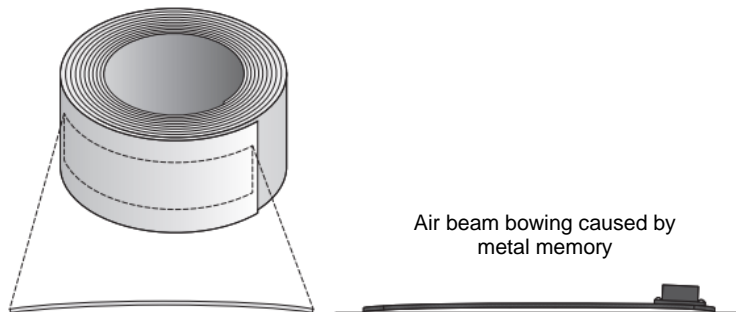
**Rips in the rubber fabric.** Small rips can be temporarily repaired with duct or electrical tape. Before applying tape, the area must be cleaned and dried. We recommend returning your air beams to Airsled to be fully refurbished if rips are discovered.

**Cracked hose inlet.** If you notice a crack in the plastic inlet connected to the air beam, you can wrap the outer edge in tape after the surface has been cleaned and dried. We recommend that you replace the inlet which Airsled sells.

**Loose hose connections.** Over time, the soft ends of the hoses may become stretched out causing them to lose their snug fit. You can temporarily wrap the male ends with tape to establish a tighter seal. We recommend that you replace the hoses which Airsled sells.

## METAL MEMORY LEADING TO SLIGHT BOWING OF AIR BEAMS

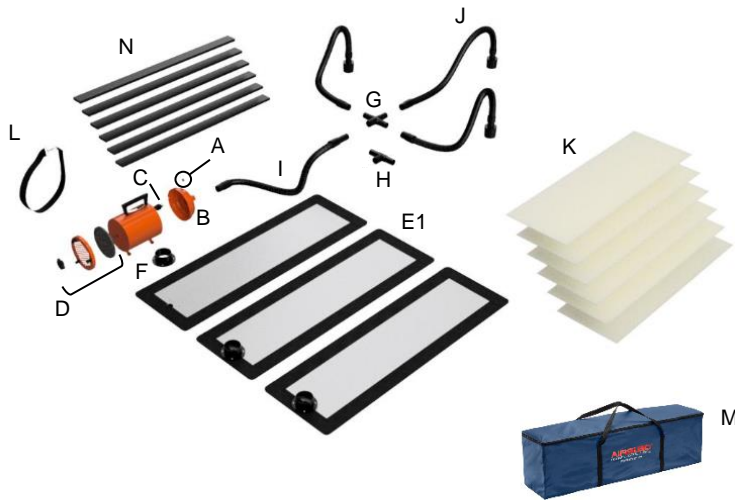
All Airsled aluminum air beams start off as a massive coil before being cut and processed into the final, rectangular panels. During the processing steps, the internal, stored energy of the aluminum is released which may lead to minor bowing in some of the rectangular panels. This phenomenon is called “metal memory” where the metal wants to revert to its original shape from being coiled. This slight bowing due to metal memory is normal and does not impact product performance. When placing the air beam under a load, simply press with your hand to flatten out the air beam and offset the bowing.





## Exhibit 1: Parts Diagrams

**Models:** MP3400, MP3400-VS, MP3480, MP3480-VS

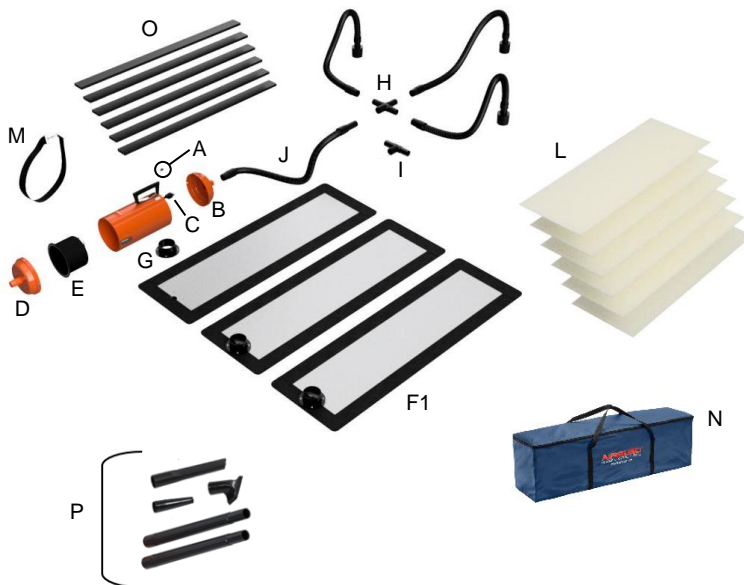


ID	Qty	Part No.	Description
A1	1	PA01OF	On/Off toggle switch
A2	1	PA01VS	On/Off variable speed dial (not shown in diagram)
B	1	PA00CA	Front end cap
C	1	PA01PC	Power cord
D	1	PA00CF	Rear end cap and filter set
E1	3	PA1239	12" W x 39" L x 3/16" T air beams
E2	3	PA1048	10" W x 48" L x 3/16" T air beams (not shown in diagram)
F	3	PA3INL	Hose inlet with damper gasket
G	1	PA4WAY	4-Way connector
H	1	PA3WAY	Tee connector
I	1	PA01LH	Lead hose
J	3	PA03SH	Supply hose
K	6	PA4RSA	Rough Surface Adapters
L	1	PA01ST	Shoulder strap
M	1	PA02BG	Carry bag for full system
N	6	AC32SS	Spacer sticks
-	1	PA3721 & PA3721-VS	Complete blower for MP3400 • 4HP / 120v / 10.7 amps

Note:

4HP 220v blowers are 5.7 amps

**Model:** MP3401, MP3401-VS, MP3481, MP3481-VS



ID	Qty	Part No.	Description
A1	1	PA01OF	On/Off toggle switch
A2	1	PA01VS	On/Off variable speed dial (not shown in diagram)
B	1	PA00CA	Front end cap
C	1	PA01PC	Power cord
D	1	PA03CA	Rear end cap
E	1	PA04FB	Filter/bag
F1	3	PA1239	12" W x 39" L x 3/16" T air beams
F2	3	PA1048	10" W x 48" L x 3/16" T air beams (not shown in diagram)
G	3	PA3INL	Hose inlet with damper gasket
H	1	PA4WAY	4-Way connector
I	1	PA3WAY	Tee connector
J	1	PA01LH	Lead hose
K	3	PA02SH	Supply hose
L	6	PA4RSA	Rough Surface Adapters
M	1	PA02ST	Shoulder strap
N	1	PA02BG	Carry bag for full system
O	6	AC32SS	Spacer sticks
P	n/a	n/a	Vacuum nozzle and hose attachments
-	1	PA3751 & PA3751-VS	Complete blower for AM2401 • 4HP / 120v / 10.7 amps

Note:

4HP 220v blowers are 5.7 amps

### **LIMITED PRODUCT WARRANTY**

Airsled, Inc. (warrantor) uses the utmost care in the manufacturing of its products and this is warranted to be free from defects in material and workmanship, subject to the following limitations, qualifications and conditions.

#### **IDENTITY OF PARTY COVERED BY WARRANTY**

This warranty extends only to the first customer purchaser and not to any subsequent transferee.

#### **DESCRIPTION AND IDENTIFICATION OF PRODUCT**

This warranty covers the following products of the warrantor; 3-IN-1 Multi-Purpose Movers.

#### **WARRANTY STATEMENT**

Airsled, Inc. (warrantor) offers a thirty-day money back satisfaction warranty from the date of purchase, excluding all shipping costs. In the event of a defect, malfunction or failure to conform to this warranty, the warrantor, at its election, will replace or repair such merchandise, including parts and labor, the warrantor shall provide return labels. Defects, malfunctions, failure or damage to the product caused by improper unreasonable or negligent abuse are specifically excluded from this warranty. In the event any repair or modification is done to this product during the term of the warranty by anyone other than the Warrantor, the defect applicable to such repair or modification shall be specifically excluded from this warranty, and Warrantor, in its sole operation, may determine if this exclusion shall be applicable. This warranty shall not apply to expendable parts, filters and the finish of painted parts. If products are returned within the 30-day period with visible signs of heavy usage and/or damage, Airsled reserves the right to withhold 15% of the purchase price to cover repair and refurbishment costs.

#### **TERM OF WARRANTY**

This warranty shall extend for a period of one (1) year from the date of original purchase by the first consumer purchaser but shall expire prior thereto if the same shall be transferred to another person.

#### **TO OBTAIN PERFORMANCE OF WARRANTY**

To obtain performance of this warranty obligation, the eligible consumer must deliver the defective product, with shipping and delivery charges prepaid, to:

**Airsled, Inc.**  
**66 Albe Dr.**  
**Newark, DE 19702**  
**Attn: Customer Service Dept.**

The eligible consumer should also provide satisfactory evidence of the purchase date. In the event the defect involves a not too labor intensive or costly correction, the warrantor shall replace or repair the product and return the same to the consumer, with all return shipping and delivery charges prepaid.

#### **LIMITATION ON REFUND**

The Warrantor reserves the right to elect a refund in lieu of repair or replacement of the product provided the Warrantor is unable to provide replacement and repair is not commercially practical or cannot be timely made.

#### **EXCLUSION OF ALL OTHER WARRANTIES**

Other than as expressly provided herein, warrantor makes no other warranty express or implied with respect to the product sold. Warrantor makes no warranty of product merchantability and no warranty of fitness of the product for a particular purpose.

#### **EXCLUSION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES**

This warranty extends only to repair or replacement of the product and does not afford any coverage with respect to incidental or consequential damages, nor shall any claim be greater in amount than the purchase price of the product to which such claim is made. (Some states do not allow the exclusion or limitation of the incidental or consequential damages so that the above limitation or exclusion may not apply to you.)

#### **ADDITIONAL RIGHTS**

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

#### **AIRSLED, INC.**

This warranty is intended to comply with Federal Legislation relating to the contents and terminology in all warranties and shall be construed in a manner of consistent therewith.