



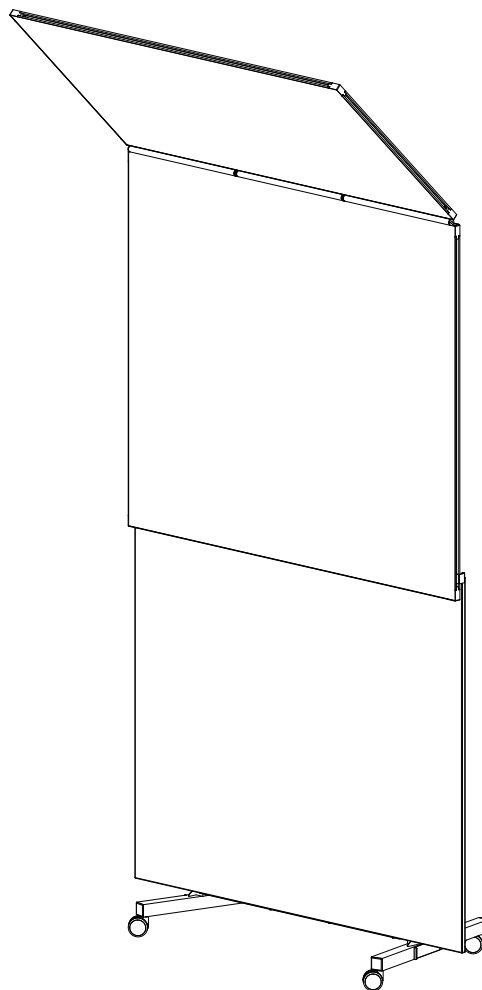
Your Performance Partner

Owner's Manual

# Legacy® Basic Acoustical Shell

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**Note:** Please read and understand this Owner's Manual before working with or using the Legacy® Basic Acoustical Shell.

**Note:** If you need additional information about the Legacy® Basic Acoustical Shell, contact the Wenger Corporation using the information below.



# SAFETY PRECAUTIONS

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## GENERAL

Throughout this manual you will find **CAUTIONS** and **WARNINGS** which are defined as follows.

- **WARNING** means that failure to follow the instruction may result in serious injury or death.
- **CAUTION** means that failure to follow the instruction may result in serious injury or damage to property.

Read all of these safety instructions before setting up the Legacy Basic Acoustical Shell components.

## SET UP AND USAGE

 <b>CAUTION</b> <i>Make sure that anyone operating the Legacy Basic Acoustical Shell has read and understands this manual.</i>	 <b>CAUTION</b> <i>Always observe and comply with the Warnings and Cautions posted on the system equipment.</i>	 <b>CAUTION</b> <i>Failure to comply with Warnings and Cautions in this document can result in damage to property or serious injury.</i>
 <b>CAUTION</b> <i>Never use the Legacy Basic Acoustical Shell to support scenery, signs, lighting, etc.</i>	 <b>CAUTION</b> <i>Never move the Legacy Basic Acoustical Shell more than a few feet when it is in the Performance Position.</i>	 <b>CAUTION</b> <i>Always have the Legacy Basic Acoustical Shell in the Storage Position when moving to different locations.</i>
 <b>CAUTION</b> <i>Never use the Legacy Basic Acoustical Shell outdoors.</i>	 <b>CAUTION</b> <i>Do not force the crank handle or the crank mechanism could be damaged.</i>	 <b>CAUTION</b> <i>Do not move the shell if the Canopy Panel is raised.</i>
 <b>CAUTION</b> <i>To prevent damage, fold the crank handle in before storing or transporting shells.</i>	 <b>CAUTION</b> <i>To prevent damage, transport shells individually and never nested in a group.</i>	 <b>CAUTION</b> <i>Do not use a powered device such as a fork lift to transport the shells.</i>



# **IMPORTANT USER INFORMATION**

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## **GENERAL**

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In no event will Wenger Corporation be liable for technical or editorial omissions made herein, nor for direct, indirect, special, incidental, or consequential damages resulting from the use or defect of this manual.

The information in this document is not intended to cover all possible conditions and situations that might occur. The end user must exercise caution and common sense when assembling or installing Wenger Corporation products. If any questions or problems arise, call Wenger Corporation at 1-800-887-7145.

## **MANUFACTURER**

The Legacy Basic Acoustical Shell are manufactured by:

Wenger Corporation  
555 Park Drive  
Owatonna, MN 55060  
1-800-4WENGER (493-6437) • 1-507-455-4100  
[www.wengercorp.com](http://www.wengercorp.com)

## **INTENDED USE**

- This product is designed to be an acoustical reflector for vocal or instrumental groups. Shells may also be used as a backdrop or as a screen for other functions such as speeches and ceremonies.
- This product is intended for indoor use in normal ambient temperature and humidity conditions.
- This product is intended to be used only as described in these instructions.

## **WARRANTY**

This product is guaranteed free of defects in materials and workmanship for five full years from date of shipment. A full warranty statement is available upon request.



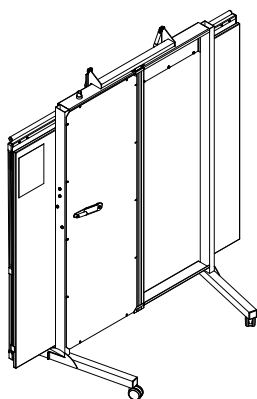
# PRODUCT TERMINOLOGY

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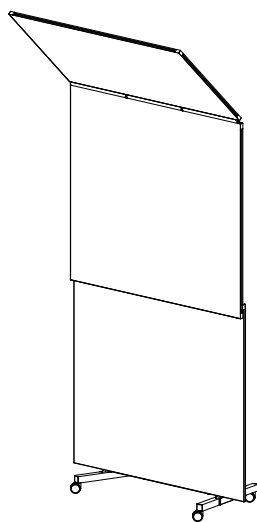
A Legacy Basic Acoustical Shell includes a base on casters, a support frame, and three acoustical reflector panels.

The following terms are used throughout this manual:

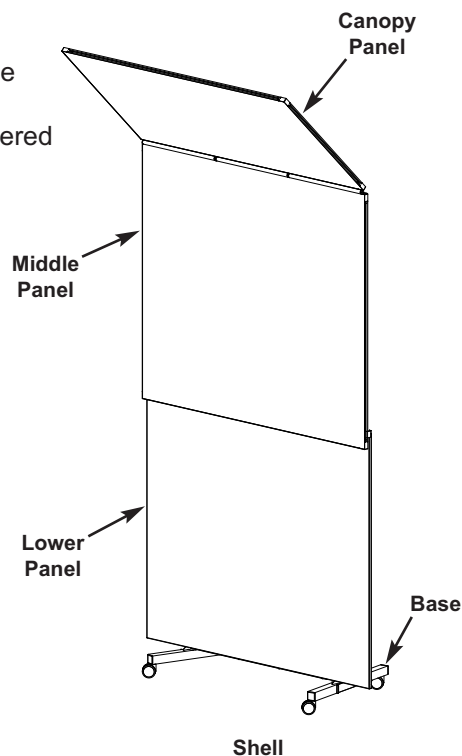
<b>Shell</b> .....	One complete unit.
<b>Base</b> .....	The assembly that supports the frame and panels.
<b>Canopy Panel</b> .....	The highest panel. Can be either tapered or rectangular shaped.
<b>Middle Panel</b> .....	The panel between the Canopy and Lower Panels.
<b>Lower Panel</b> .....	The lowest panel.
<b>Raising</b> .....	Setting up a shell.
<b>Lowering</b> .....	Taking down a shell.
<b>Storage Position</b> .....	When a shell is folded down.
<b>Performance Position</b> ...	When a shell is fully raised.



Storage Position



Performance Position





## STORING THE SHELLS

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In their Storage Position, the shells can pass through a 35" x 79" opening (a typical 36" door).

A single shell unit is 72" wide x 77" high x 31½" deep (183 x 196 x 80 cm). Each additional shell will "nest" with the others as shown, requiring an additional 10" (25 cm) of depth per unit.

Store the shells in a space that is clean and dry. Avoid spaces with high heat, extreme cold, or very humid conditions.

Never leave a shell in the Performance Position for more than a week at a time. Always lower the shells to their Storage Position between events and rehearsals.

### **CAUTION**

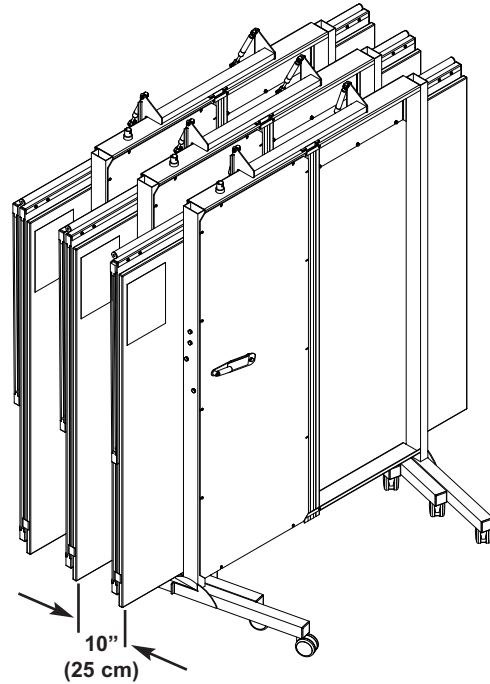
*To prevent damage, fold the crank handle in before storing or transporting shells.*

### **CAUTION**

*To prevent damage, transport shells individually and never nested in a group.*

### **CAUTION**

*Do not use a powered device such as a fork lift to transport the shells.*





## MOVING THE SHELLS

### **⚠ CAUTION**

*Never move the Legacy Basic Acoustical Shell more than a few feet when it is in the Performance Position.*

### **⚠ CAUTION**

*Always have the Legacy Basic Acoustical Shell in the Storage Position when moving to different locations.*

### **⚠ CAUTION**

*Do not move the shell if the Canopy Panel is raised.*

One person can move and steer a single shell. All four wheels are swivel casters, so steering the shell requires special attention.

If a shell is nested with other shells, prevent damage by having two people move the shell away from the other shells and through any door openings.

If a shell must be moved more than a few feet to the performance space, carefully roll it sideways at a slow pace. Slow down for corners and when moving through doorways.

The swivel casters are heavy-duty, but moving the shells over thresholds should be done carefully and at a slow speed. Use a ramp to move the shells over curbs or steps. Always move the shells sideways when going up or down a ramp.

To avoid fingerprints on the panels, have clean hands or wear clean gloves.

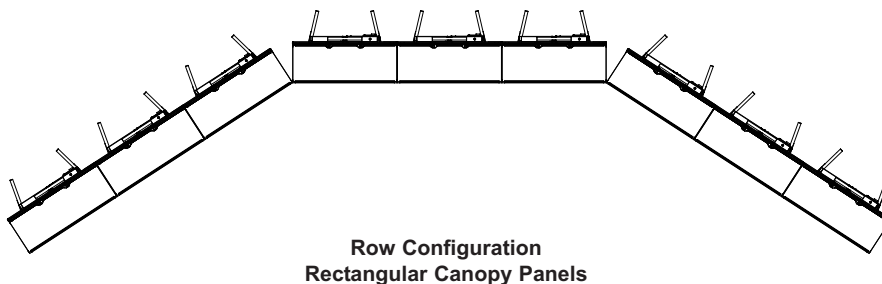
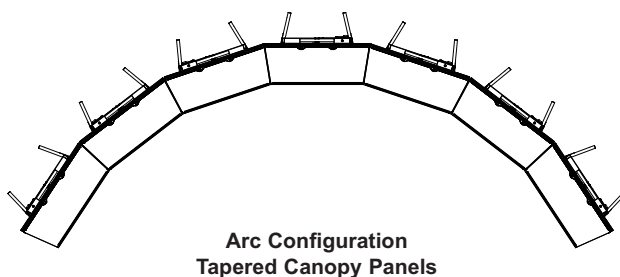
## ARRANGING THE SHELLS

Each shell is 72" (183 cm) wide. The Canopy panels on the shell can be tapered to provide a "tight" enclosure when the shell is set up on a 19 foot radius and the canopy is set at a 45° angle — the most common arrangement for choral groups. Shells with rectangular canopies can be used for other arrangements to accomplish desired effects.

While they are still in the Storage Position, arrange the shells as desired, in a row or arc.

Check for overhead clearance and for fit with risers and other equipment in the performance space.

Roll the shells about 6" (15 cm) apart, to allow clearance for raising them to the Performance Position.






## RAISING THE SHELL


Raise the shells to the Performance Position in a well-lit area.

Raise the shells to the Performance Position one at a time.


It is recommended that one person stand behind the shell to serve as a spotter, to prevent raising the shell into an obstacle or another shell.

**CAUTION**

*Make sure that anyone operating the Legacy Basic Acoustical Shell has read and understands this manual.*

**CAUTION**

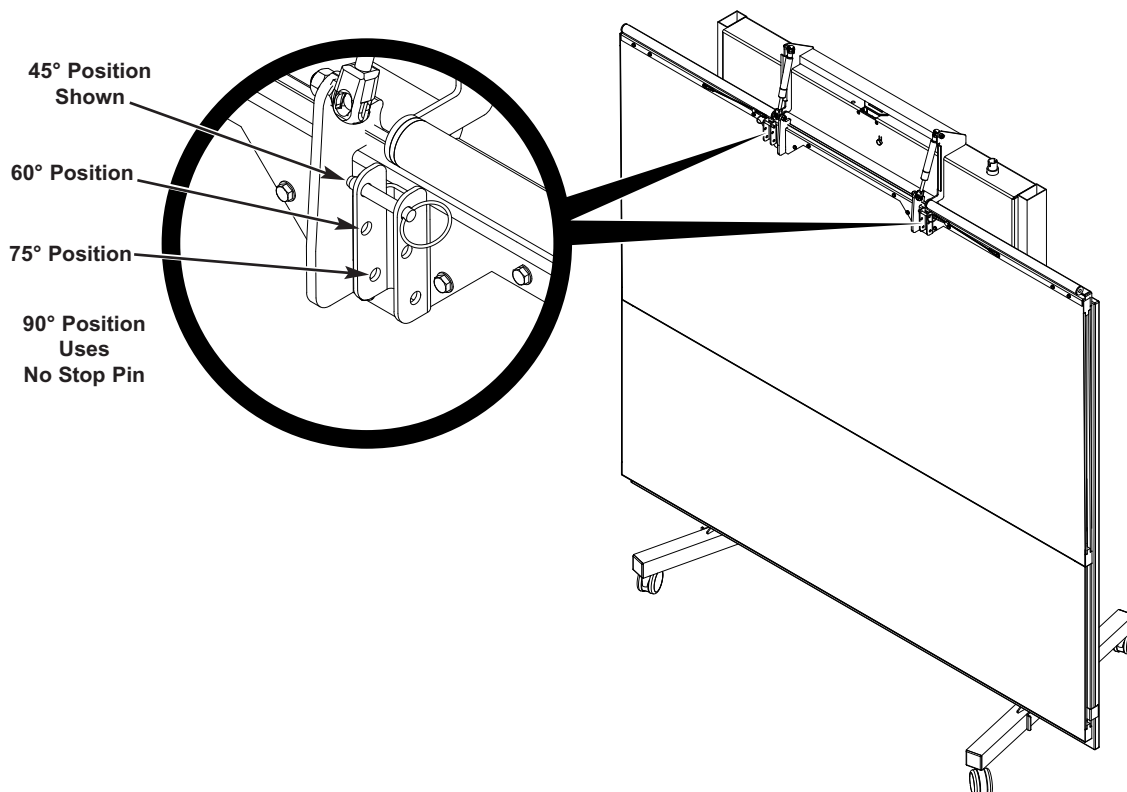
*Never move the Legacy Basic Acoustical Shell more than a few feet when it is in the Performance Position.*

**CAUTION**

*Always have the Legacy Basic Acoustical Shell in the Storage Position when moving to different locations.*

1. Roll the shell as close to the final Performance Position as possible.
2. Insert a Stop Pin into both of the Brackets to set the Canopy Panel Performance Angle.
  - Use the top set of holes to set the Canopy Panel Performance Angle to 45°.
  - Use the middle set of holes to set the Canopy Panel Performance Angle to 60°.
  - Use the bottom set of holes to set the Canopy Panel Performance Angle to 75°.
  - Do not insert Stop Pins to set the Canopy Panel Performance Angle to 90°.

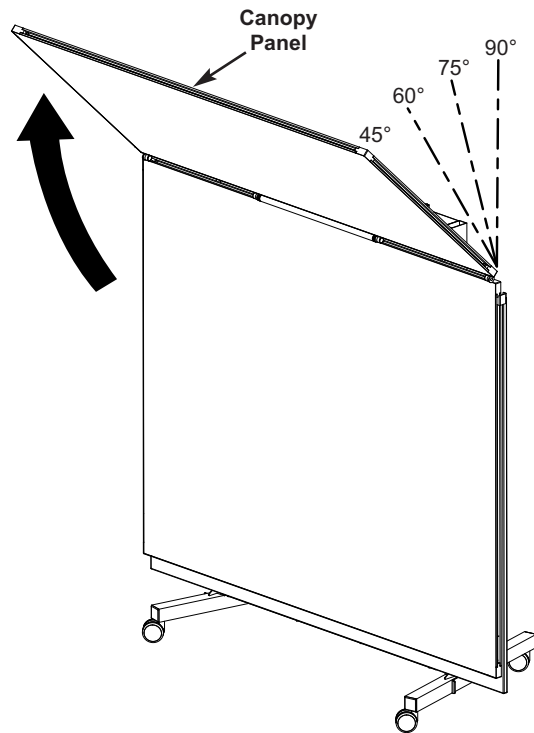
**NOTE:** Stop Pin placement must be in the same set of holes on both Brackets.



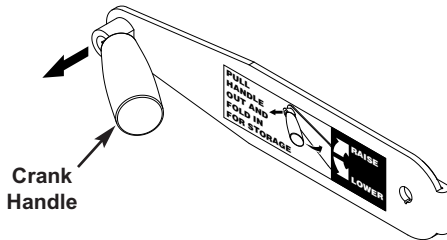


## RAISING THE SHELL CONTINUED

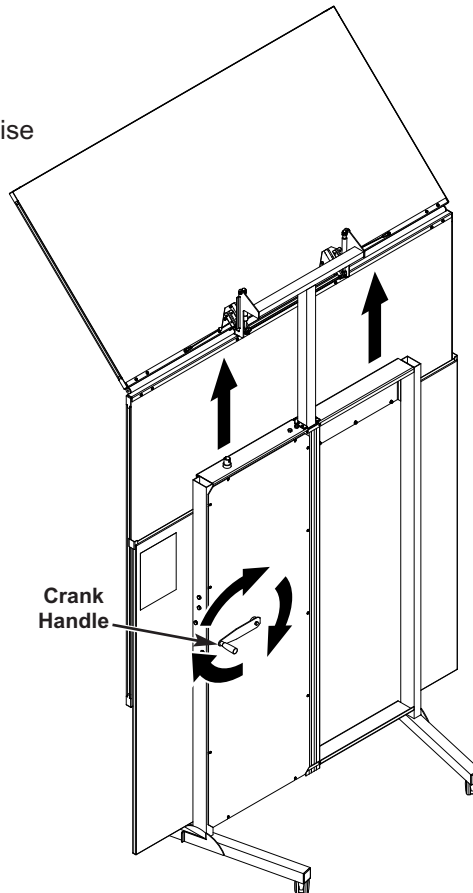
3. Lift the Canopy Panel to raise it to the set position. The Canopy panel will stop at the preset Performance Angle when the Stop Pins contact the Bracket.



4. Pull out and unfold the Crank Handle located on the back side of the shell.



5. Turn the Crank Handle clockwise slowly to raise the panels. The Crank will stop when the panels reach the shell's maximum height.





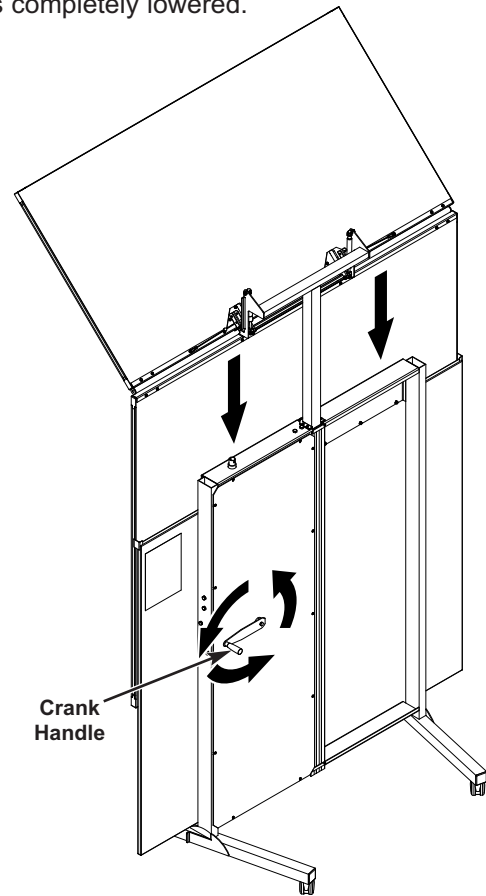
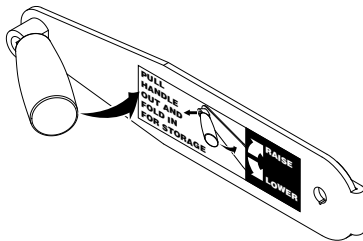
## LOWERING THE SHELL

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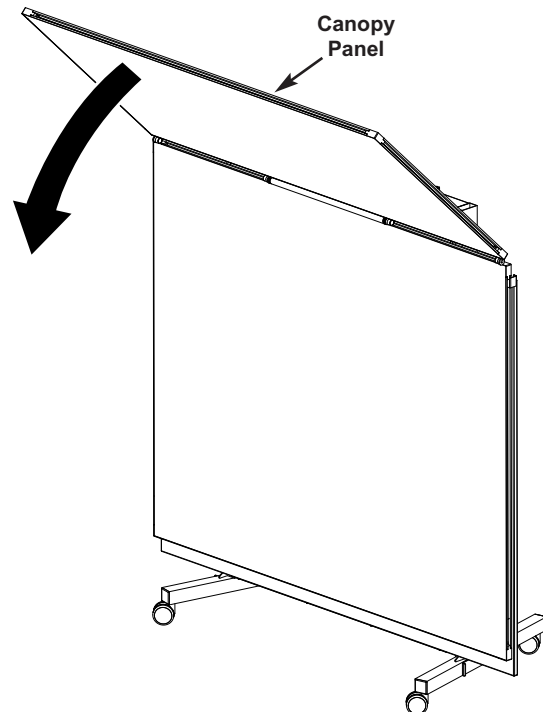
1. Turn the Crank Handle counter-clockwise until the shell is completely lowered.



2. Pull out and fold in the Crank Handle located on the back side of the shell.



3. Pull down on the Canopy Panel to lower it down to the Storage Position.





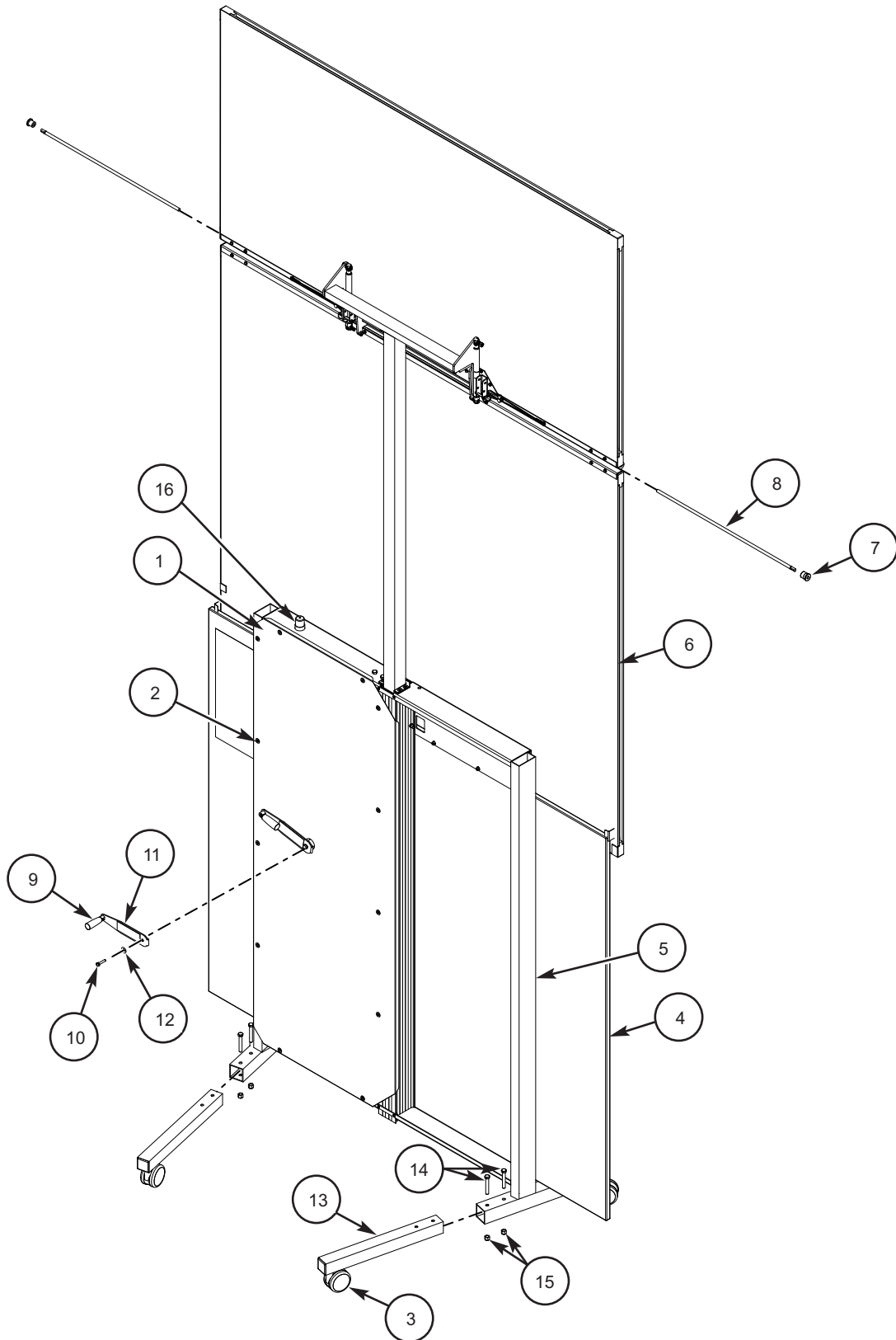
## REPLACEMENT PARTS LIST

Item	Description	Qty.		Item	Description	Qty.
1	COVER, LIFT MECHANISM, BASIC	1		9	HANDLE, FOLD, PLASTIC	1
2	SCREW, SM, HEX HD, #8 x 5/8, BLK ZN	12		10	CAPSCREW, GD2, ZP, 5/16-18 x 2-3/4	1
3	CASTER, STEM, 3" x 2" WIDE	4		11	HANDLE, CRANK	1
4	PANEL, FIXED, BASIC, 0579/0243	1		12	WASHER, LOCK, 5/16, ZP, HELICAL	1
5	MAIN FRAME, PAINTED, 0370	1		13	FOOT, PLUG-IN, ASSEMBLY	2
6	CARRIER PANEL ASSEMBLY, CF	1		14	CAPSCREW, HEX HD, ZP, 3/8-16 x 2.5	4
7	PILOT BEARING, PANEL	6		15	NUT, LOCK, HEX HD, ZP, 3/8-16	4
8	PIN, MAIN	2		16	CAP, 1.00 ID x 1.00 LNG, BLK	1



## ASSEMBLY CONTINUED

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# MAINTENANCE

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## CLEANING

Use a soft, damp cloth to clean all surfaces. Never hose down the shells or soak any components. For smudges or fingerprints, dampen a cloth with any standard non-abrasive household cleaner and wipe clean.

## MECHANICAL CHECK

Periodically (every three or four uses) check for loose or damaged parts and for loose fasteners. Replace or repair damaged parts promptly. Refer to the Replacement Parts List.



### CAUTION

*Do not make adjustments  
to the lift mechanism.  
Contact Wenger Customer  
Service for repair options.*

## PANEL REPAIR

Panels are of lightweight composite construction and made of durable materials. If accidentally damaged, repairs can be made with common fillers and paint.



### CAUTION

*Do not remove the canopy  
or middle panels.  
Contact Wenger Customer  
Service for repair options.*