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Visit the Legacy Classic Acoustical Shell web page at wengercorp.com for more information.

Note: Please read and understand these instructions before proceeding.

Note: If you need additional information, contact Wenger Corporation using the information below.

Important User Information

General

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Printed and bound in the United States of America.

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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 these instructions. The manufacturer reserves the right to change this product at any time.

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 the Wenger Corporation at (800) 4WENGER (493-6437) or +1-507-455-4100 worldwide.

Manufacturer

The Legacy® Classic Acoustical Shell is manufactured by:

Wenger Corporation
555 Park Drive
Owatonna, MN 55060
(800) 4WENGER (493-6437) • +1 (507) 455-4100
wengercorp.com

Intended Use

- This product is designed to be an acoustical reflector for vocal or instrumental groups. Towers 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 – it must not be exposed to outside weather conditions.
- This product is intended to be assembled and used only as described in these instructions.

Warranty

Warranty information is available at wengercorp.com.

Safety Precautions

Throughout this document you may find cautions and warnings which are defined as follows:

- **WARNING:** Failure to follow the instruction could result in serious injury or damage to property.
- **CAUTION:** Failure to follow the instruction could result in minor injury or damage to property.

Read all of these safety instructions before using the equipment.

⚠ CAUTION

Make sure anyone assembling, installing or using this product has read and understands these instructions.

⚠ CAUTION

Failure to comply with Warnings and Cautions in this document or on the equipment can result in damage to property or injury.

⚠ CAUTION

Never use the Legacy Classic Acoustical Shell to support scenery, signs, lighting, etc.

⚠ CAUTION

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

⚠ CAUTION

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

⚠ CAUTION

Never use the Legacy Classic Acoustical Shell outdoors.

⚠ CAUTION

Do not force the crank handle or the crank mechanism could be damaged.

⚠ CAUTION

Do not move the shell if the canopy panel is raised and unlocked.

⚠ 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.

Product Terminology

A Legacy Classic Acoustical Shell includes a counter-weighted base on casters, a support frame, and four acoustical reflector panels.

The following terms are used throughout these instructions:

Shell - One complete unit.

Base - The assembly that supports the frame and panels.

Canopy Panel - The highest panel. Can be either tapered or rectangular shaped.

Upper Panel - The higher of the two middle panels.

Lower Panel - The lower of the two middle panels.

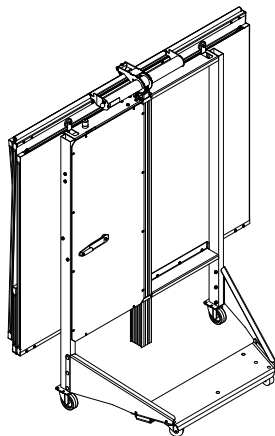
Filler Panel - The panel closest to the ground.

Raising - Setting up a shell.

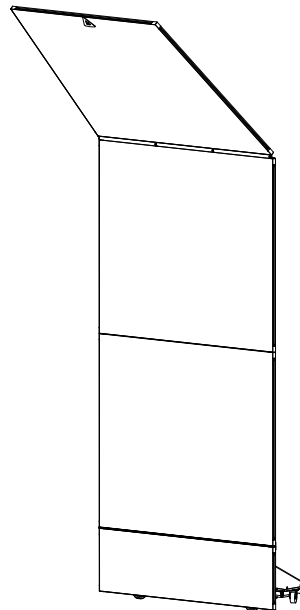
Lowering - Taking down a shell.

Storage Position - When a shell is folded down.

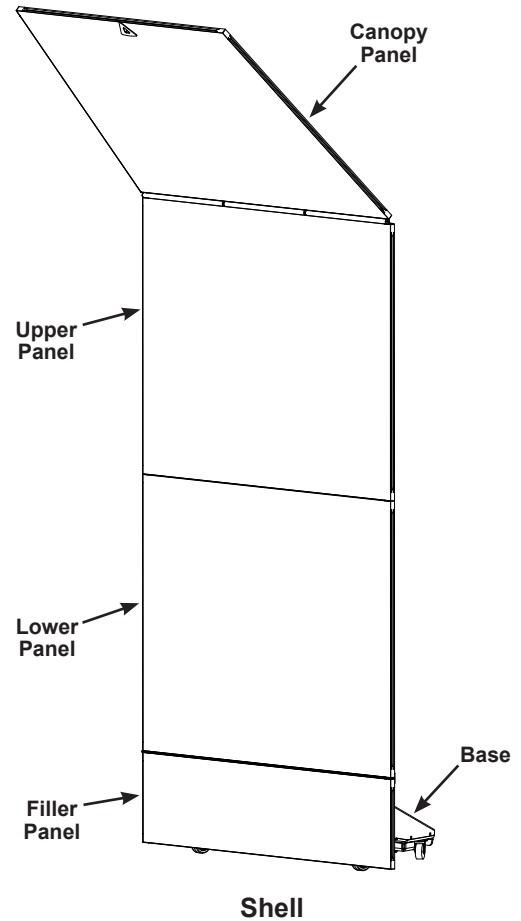
Performance Position - When a shell is fully raised.



Storage Position



Performance Position



Required Tools

- Pliers

Storing the Shells

In their Storage Position, the shells can pass through a 35" x 79" (889 x 2007 mm) opening (a typical 36" [914 mm] door).

A single shell unit is 72"w x 78-1/2"h x 34-1/2"d (1829 x 1994 x 876 mm).

Each additional shell will "nest" with the others as shown, requiring an additional 10-5/8" (270 mm) 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

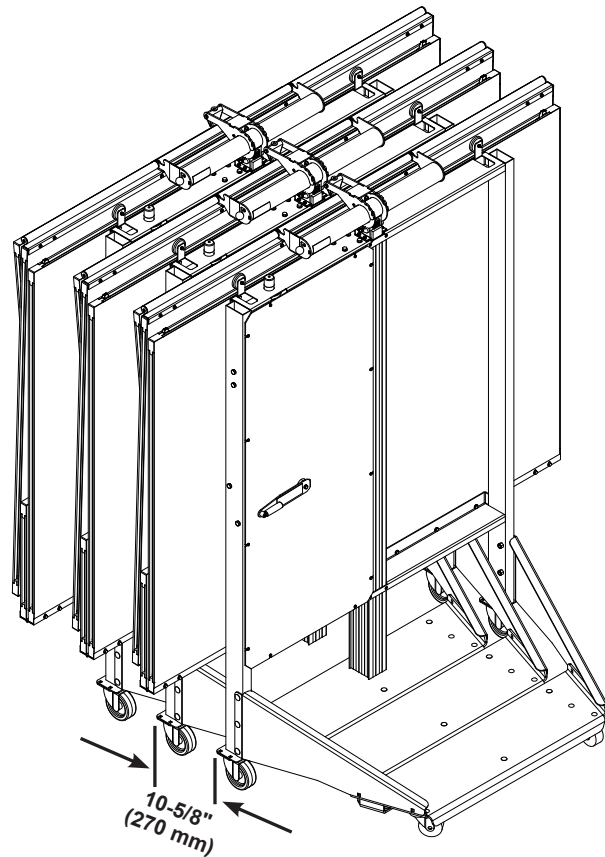
To prevent damage, fold the crank handle in before storing or transporting shells.

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 Classic Acoustical Shell more than a few feet when it is in the Performance Position.

⚠ CAUTION

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

⚠ CAUTION

Do not move the shell if the canopy panel is raised and unlocked.

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.

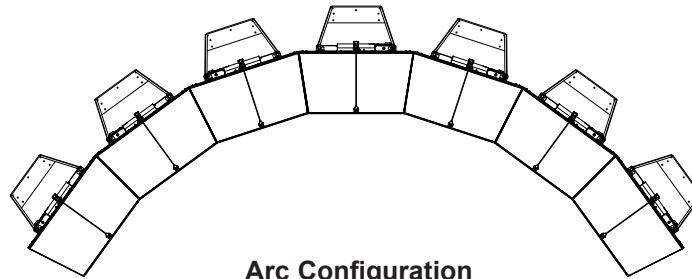
Arranging the Shells

Each shell is 72" (1829 mm) wide. The canopy panels on the shell can be tapered to provide a "tight" enclosure when the shell is set up on a 19' (5791 mm) 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.

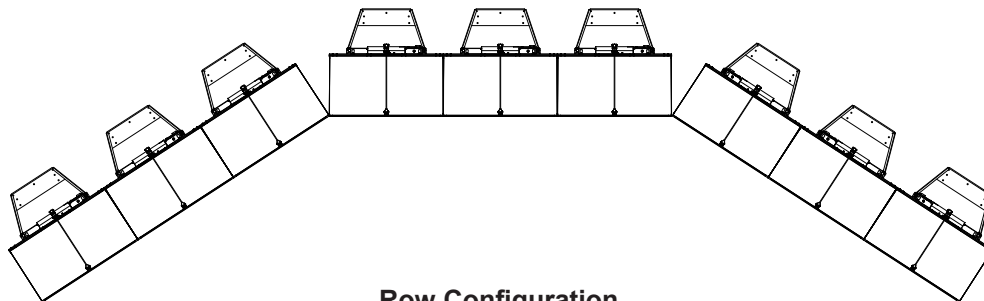
While they are still in the Storage Position, arrange the shells as desired, in a row or arc.

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

Roll the shells about 6" (152 mm) apart, to allow clearance for raising them to the Performance Position.



**Arc Configuration
Tapered Canopy Panels**



**Row Configuration
Rectangular Canopy Panels**

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 Classic Acoustical Shell has read and understands these instructions.

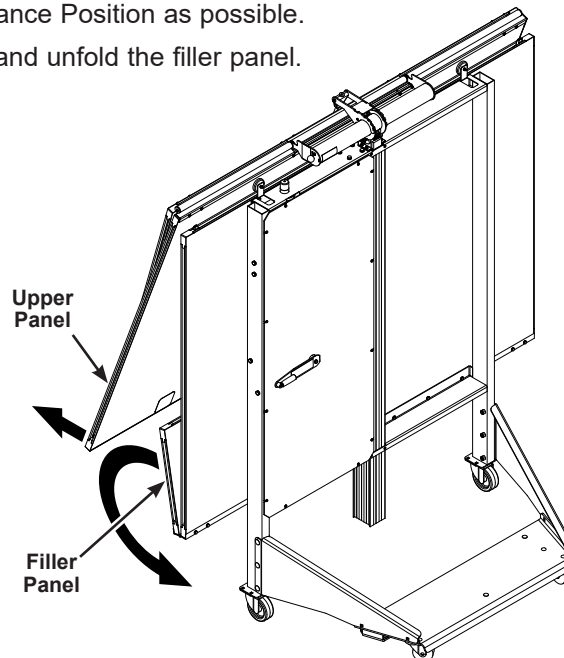
CAUTION

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

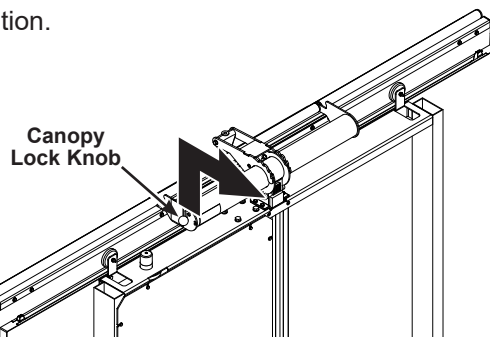
CAUTION

Always have the Legacy Classic 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. Pull out on the bottom of the upper panel and unfold the filler panel.



3. Move the canopy lock knob to the "RAISE" position.



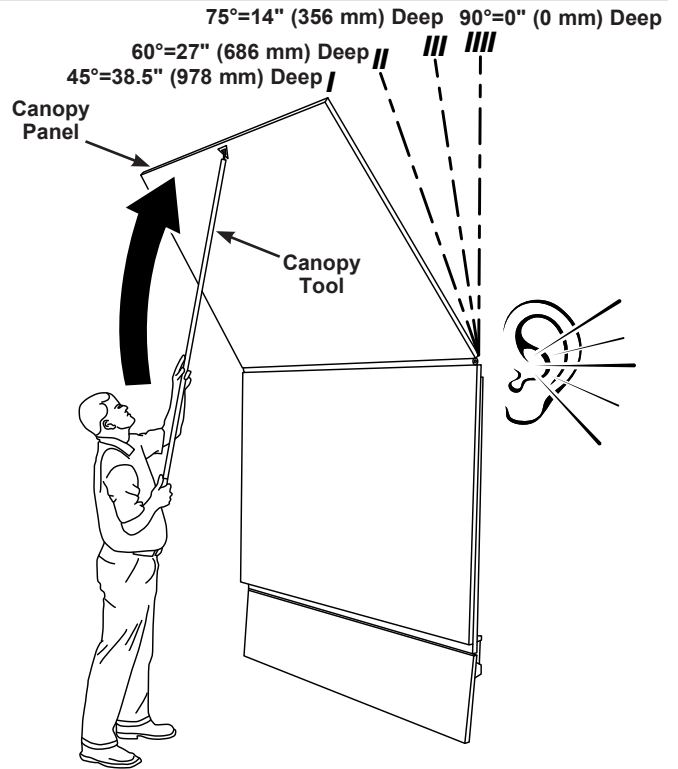
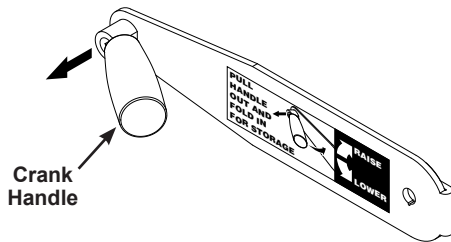
Raising the Shell (continued)

- Lift the canopy panel and use the canopy tool to raise it to one of the four set position angles. The tool fits into the triangular hole in the top edge of the canopy panel. There will be a slight "click" sound as the canopy panel reaches each of the set positions.

NOTICE

One canopy tool is supplied with each Legacy Classic Acoustical Shell set. It may be stored on the frame of any shell.

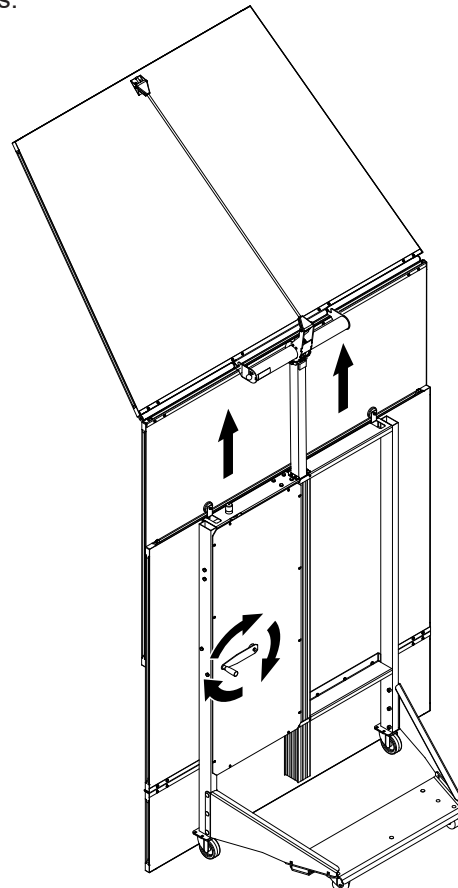
- Pull out and unfold the crank handle located on the back side of the shell.



- Turn the crank handle clockwise slowly to raise the panels. The crank will stop when the panels reach the shell's maximum height.

CAUTION

Do not force the crank handle or the crank mechanism could be damaged.



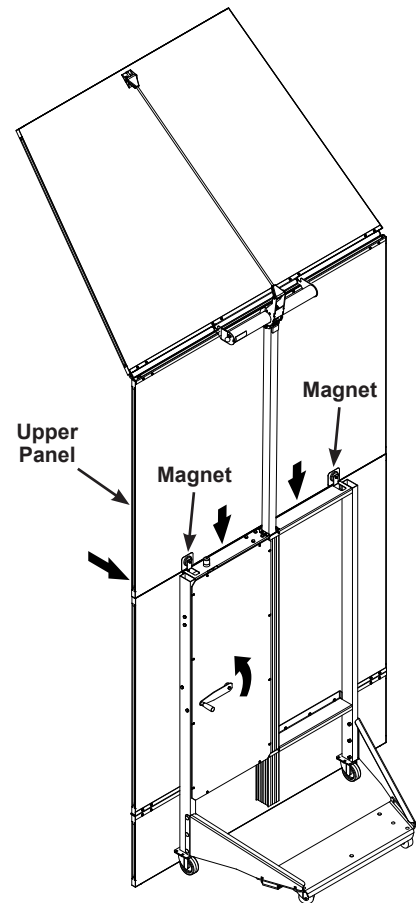
Raising the Shell (continued)

6. Push the upper panel against the magnets.
Turn the crank handle counter-clockwise to lower the upper panel until it rests on the lower panel in the Performance Position.

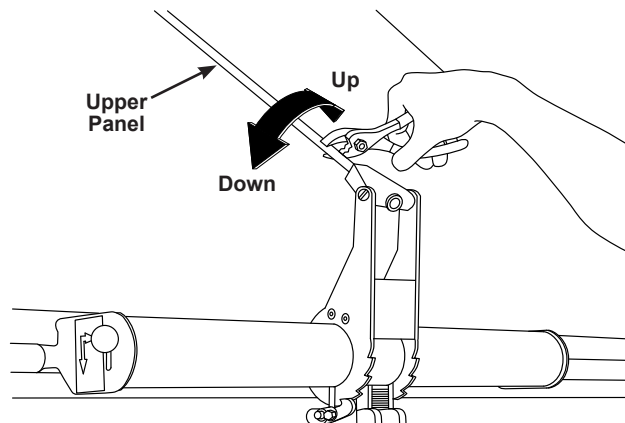
NOTICE

This is the shell's normal performance height. If the shell is used at less than the maximum height, it cannot be guaranteed that the upper and canopy panels will stop and precisely remain at any other specific height.

Some amount of drift downward may occur when the upper hinged panel is fully raised. This is normal and is due to variables in the weight and internal spring tension, especially in units with the rectangular canopy.



7. To make minor adjustments in the canopy panel angle (to align the canopies on adjacent shells), turn the adjustment rod with a pliers.

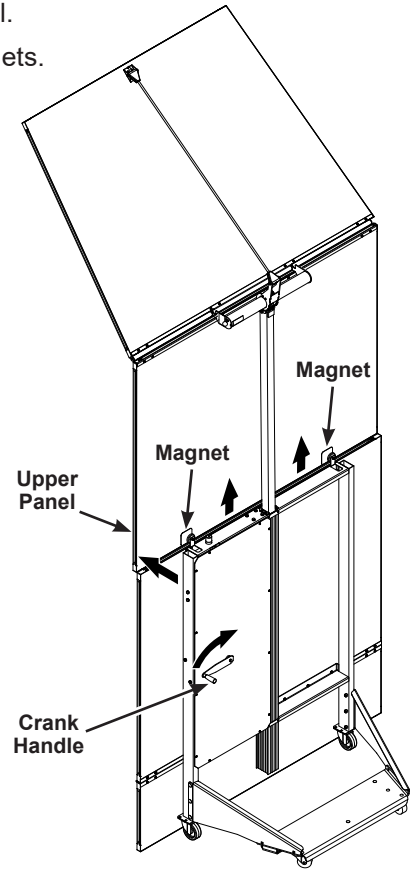


Lowering the Shell

1. Turn the crank handle 1/4 turn clockwise to slightly raise the upper panel.
2. Push out on the bottom of the middle panel to separate it from the magnets.

CAUTION

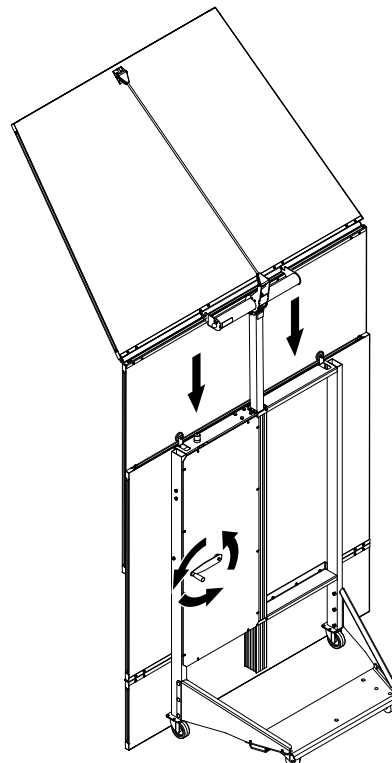
The middle panel must be disengaged before the shell can be lowered.



3. Turn the crank handle counter-clockwise until the shell is completely lowered.

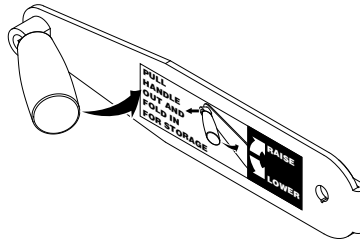
CAUTION

Do not force the crank handle or the crank mechanism could be damaged.

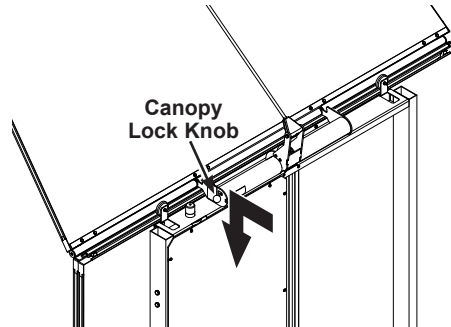


Lowering the Shell (continued)

- Pull out and fold in the crank handle located on the back side of the shell.



- Move the canopy lock knob to the "LOWER" position.



- With the canopy tool, raise the canopy panel slightly (A) to release it, then lower it (B) to the Storage Position. There will be a slight "click" sound as the canopy panel is released.

NOTICE

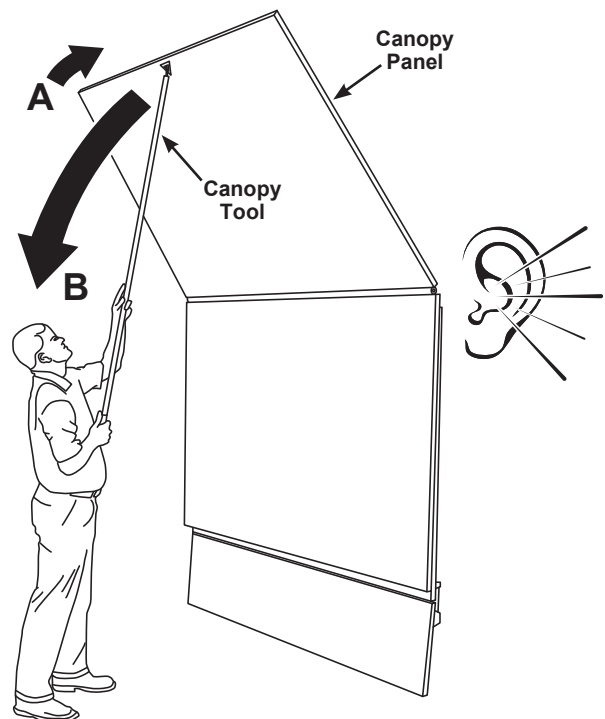
One canopy panel is fully vertical, it may have to be pushed back slightly to release it and then pulled forward gently to start the forward rotation.

CAUTION

Shell could tip if a locked canopy panel is pulled on.

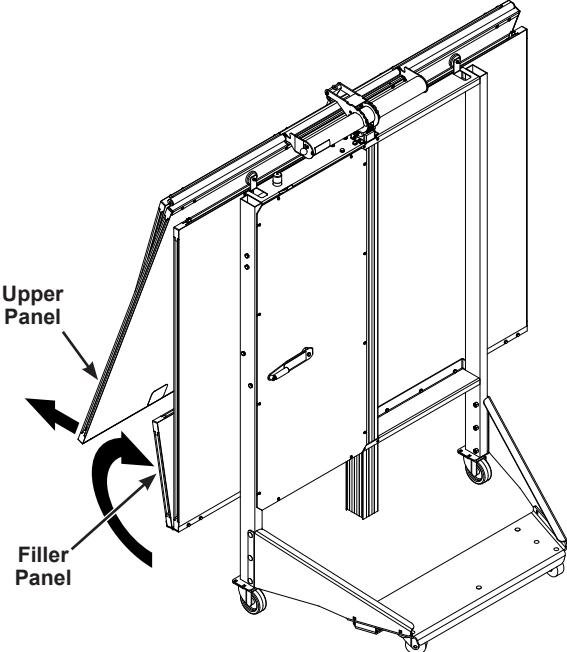
CAUTION

Always allow the canopy panel to lower under its own weight.



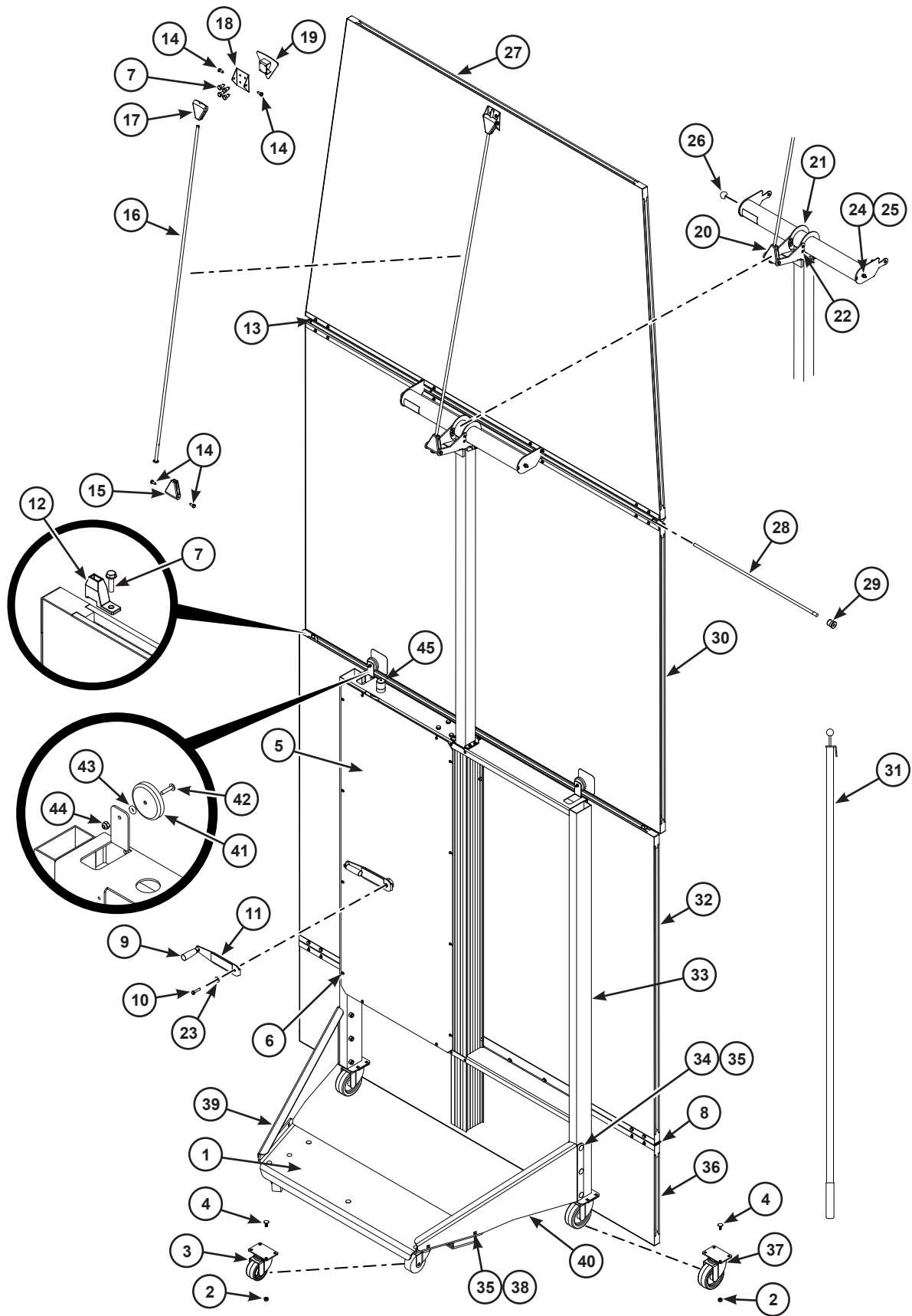
Lowering the Shell (continued)

- 7. Pull out the bottom of the upper panel and fold the filler panel up to its Storage Position (between the upper and lower panels).



Replacement Parts

Item	Qty	Description	Item	Qty	Description
1	1	Counterweight Set Cover/Base	23	1	5/16" Helical Lock Washer
2	12	5/16-18 Nylon Lock Nut	24	1	1/4-20 Nylon Lock Nut
3	2	Caster Swivel Plate	25	1	Pawl Release Rod
4	12	5/16-18 x 3/4" Carriage Bolt	26	1	1/4-20 x 1" Dia Knob
5	1	Lift Mechanism Cover	27	1	Tapered Canopy Panel Carrier Assembly or Rectangular Canopy Panel Carrier Assembly
6	12	8 x 5/8 Sheet Metal Screw	28	2	Main Pin
7	6	10-16 x 3/4" Self Drilling Screw	29	6	Pivot Bearing Panel
8	1	Lower Panel Hinge		1	Middle Panel Carrier Assembly
9	1	Plastic Fold Handle	31	1	Legacy Canopy Tool
10	1	1/4-20 x 1-1/4" Capscrew	32	1	Middle Panel Assembly
11	1	Crank Handle	33	1	Main Frame
12	2	Alignment Cog	34	6	3/8-16 x 2-1/4" Carriage Bolt
13	1	Mid Panel Pivot Weldment	35	10	3/8-16 Nylon Lock Nut
14	4	1/4-20 x 3/4" Self-tapping Screw	36	1	Lower Panel Assembly
15	1	Lower Canopy Rod End	37	2	4D 250 Cap Swivel Caster Plate
16	1	Canopy Rod	38	4	3/8-16 x 1" Carriage Bolt
17	1	Upper Canopy Rod End	39	1	Left Hand Side Base Frame
18	1	Rod End Bracket	40	1	Right Hand Side Base Frame
19	1	Receiver Weldment	41	2	Ceramic Cup Magnet
20	1	Ratchet Weldment	42	2	8-32 x 3/4" Machine Screw
21	2	Catchplate Ring	43	2	.449 OD x .171 ID O-ring
22	4	3/16 Grip .251/.375 Blind Rivet	44	2	8-32 Nylon Insert Lock Nut
			45	1	Shaft Cap



Maintenance

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 "Replacement Parts".

CAUTION

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