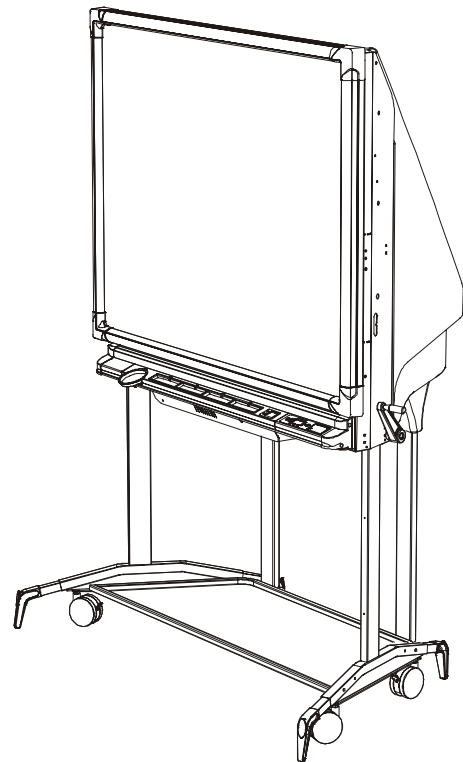


Rear Projection
SMARTBoard™



Service Parts Diagrams

**For Model:
2000i-DV with the NEC MT860 Projector**

Service Parts Diagrams for the *Rear Projection* SMART Board™ 2000i-DV Interactive Whiteboard

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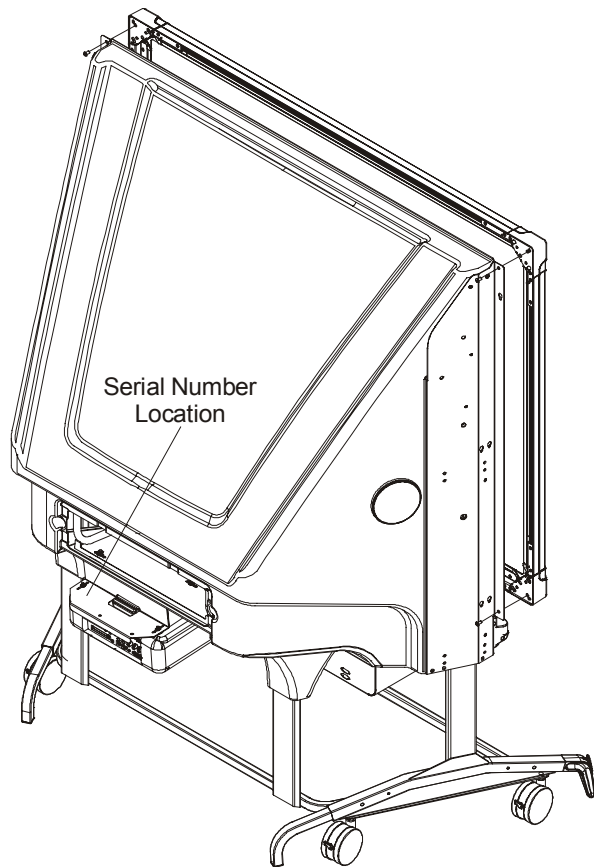
support@smarttech.com www.smarttech.com



Identifying Your Product Using the Serial Number

To make sure that you have the correct Service Parts Diagrams, you must verify the serial number of your SMART Technologies Inc. product. For the *Rear Projection SMART Board 2000i-DV* interactive whiteboard with DViT™ technology, the serial number is located on the top of the projector platform.

Look at the rear of the cabinet, and the serial number will be on a small white sticker on the top left side of the projector platform. An example of the serial number is shown below.



Product Model Number

Unique Serial Number

2000i-DV-xxxxxx

DViT™ Technology Product

To Order Parts from These Service Parts Diagrams

For Customers

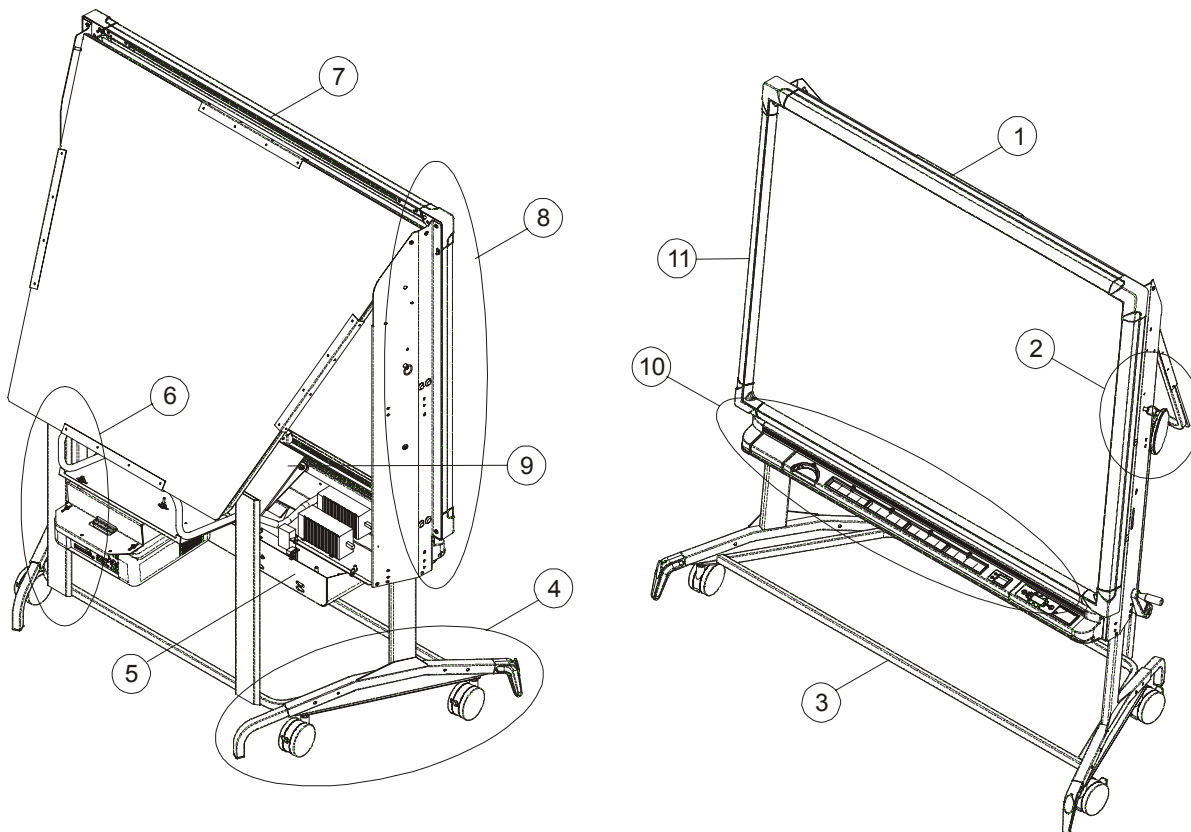
To order any parts from these service parts diagrams, please contact your local reseller.
To find a reseller near you, visit www.smarttech.com/where.

For Dealers and Distributors

To order any parts found in these service parts diagrams, please contact our order processing department.

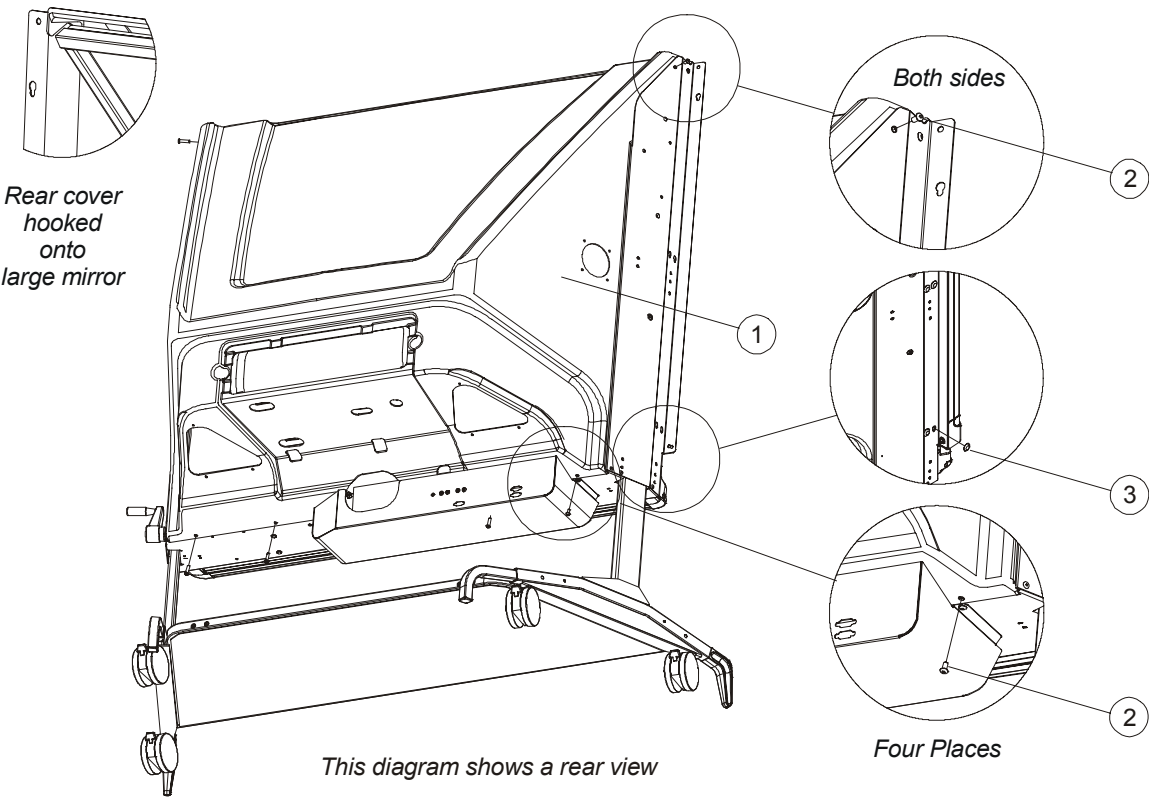
E-mail: orders@smarttech.com
Phone: 1.888.42.SMART (press 4)
International: +1.403.245.0333 (press 4)

Major Components



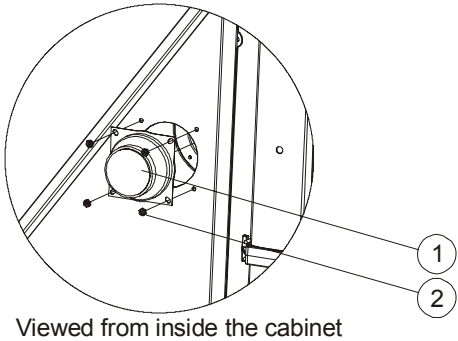
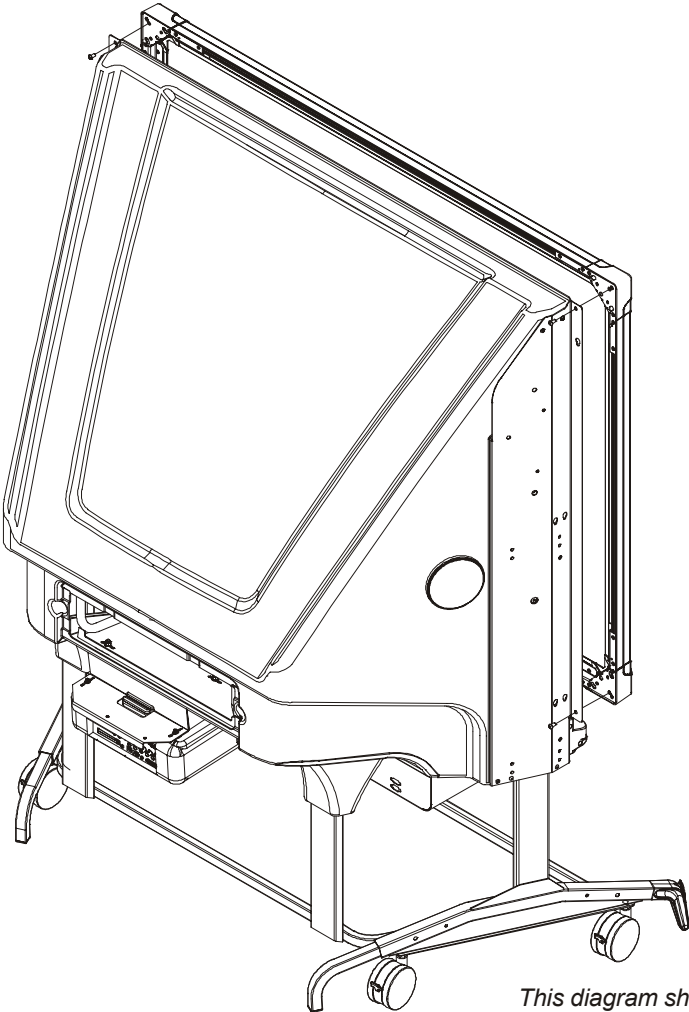
Item	Description
1	Rear assembly
2	Speakers
3	Undercarriage and casters
4	Leg assembly
5	Electronics tray
6	Vertical stabilizers
7	Large mirror assembly
8	Frame assembly
9	Small mirror assembly
10	Pen tray
11	<i>Rear Projection</i> SMART Board interactive whiteboard
Not shown	Laptop shelf

Rear Assembly

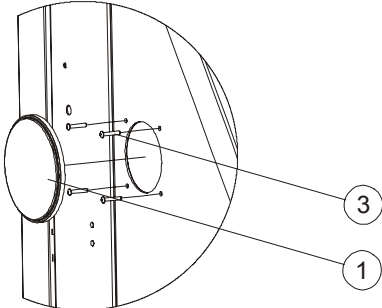


Item	Part No.	Qty	Description
1	52-00161-04	1	Cover, back
2	30-287	6	Screw, 1/4"-20 x 1/2", hex, button head
3	30-431	8	Plug, 1/2", plastic

Speakers



Viewed from inside the cabinet

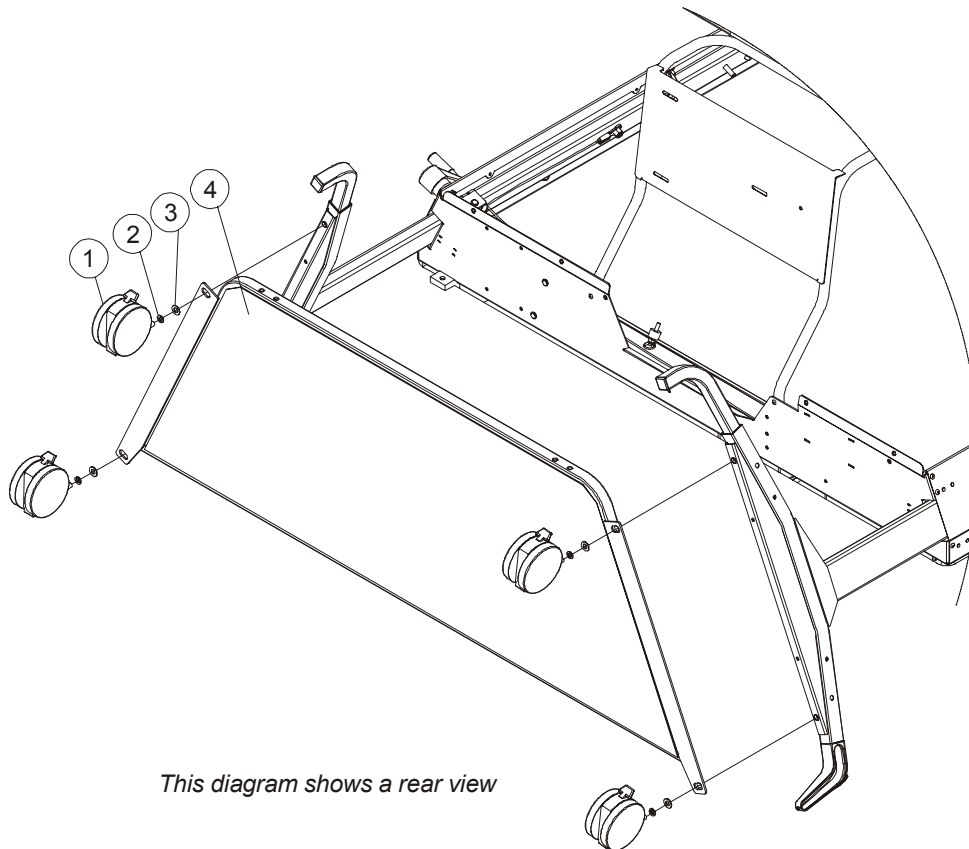


Viewed from the outside of the cabinet

This diagram shows a rear view

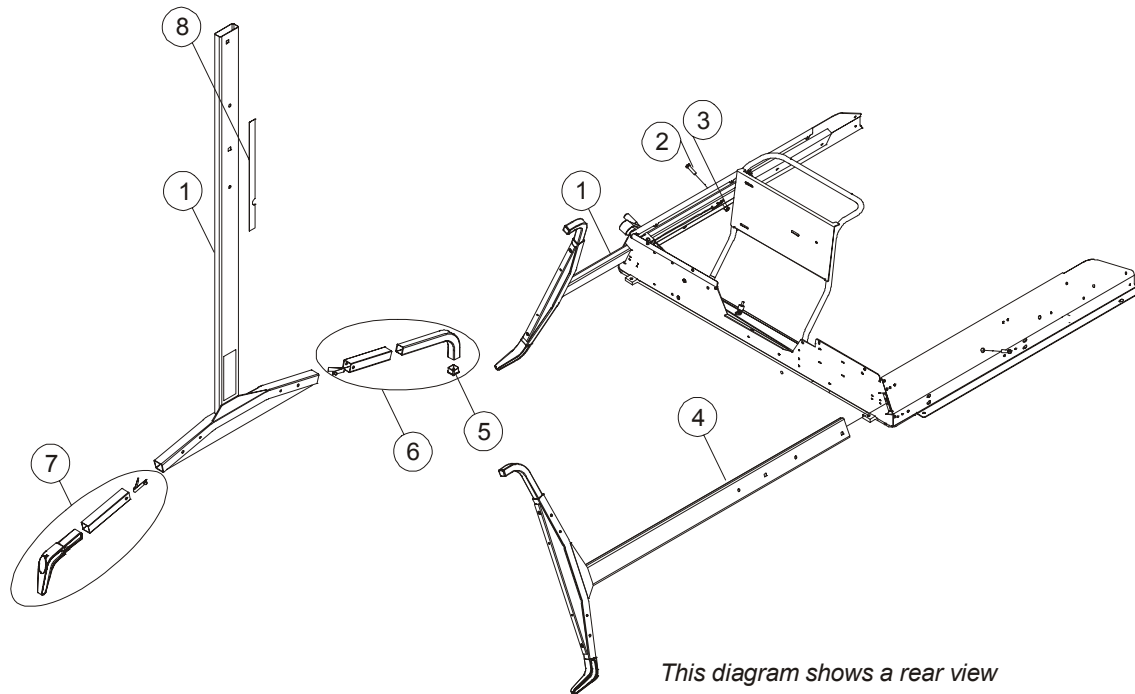
Item	Part No.	Qty	Description
1	03-00066	2	Speaker, 80W, 4" diameter, with grill
2	30-288	8	Nut, No. 8-32, nylon
3	30-00738	8	Screw, No. 8-32 x 1", hex, button head, socket cap

Undercarriage and Casters



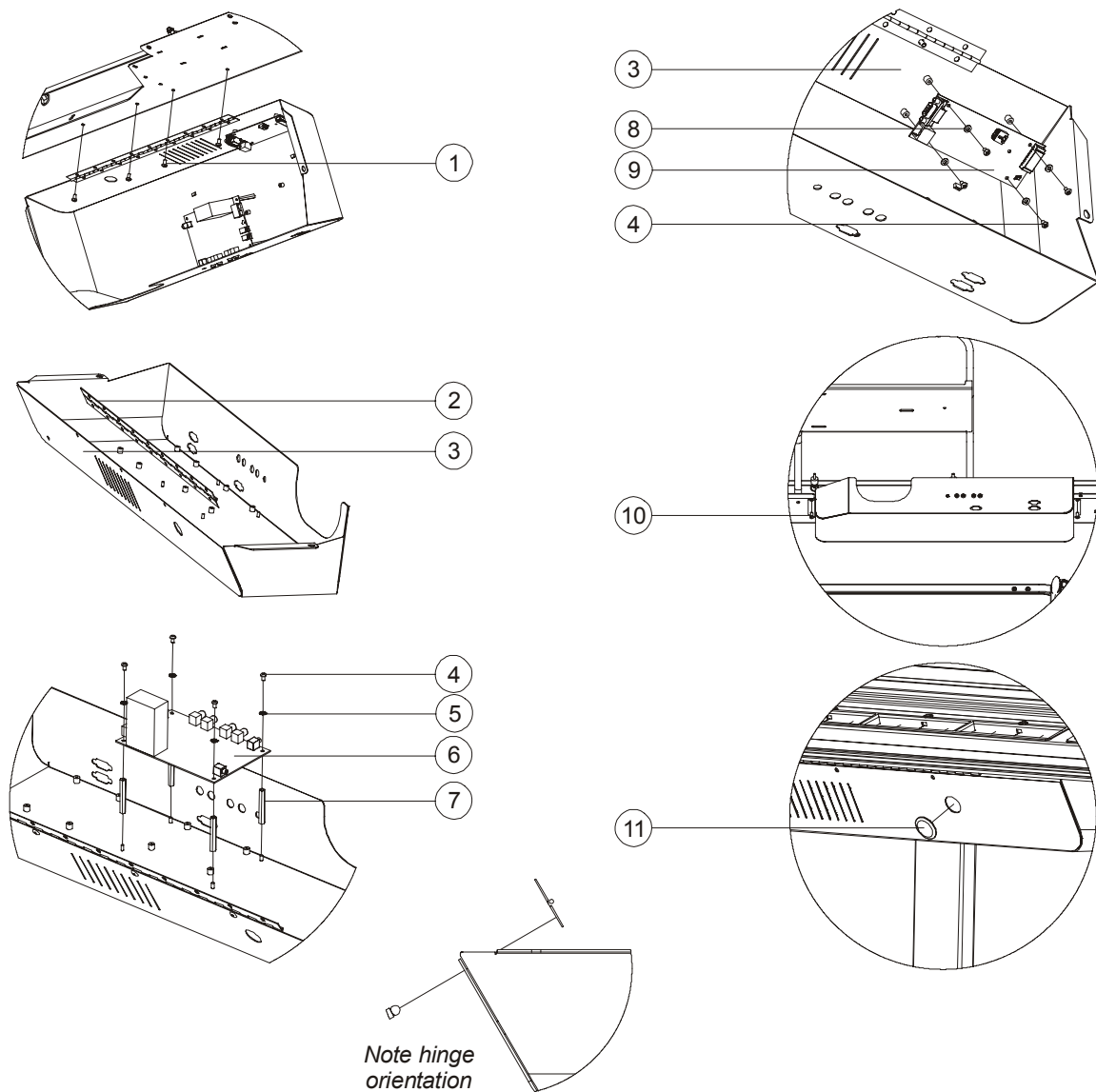
Item	Part No.	Qty	Description
1	10-00020	4	Caster, 4", locking, 3/8"-16 × 3/4" post
2	30-253	4	Washer, 3/8", split lock
3	30-00645	8	Washer, 13/32" inside diameter × 13/16" outside diameter × 1/16" thick
4	51-00275-01	1	Basket

Leg Assembly



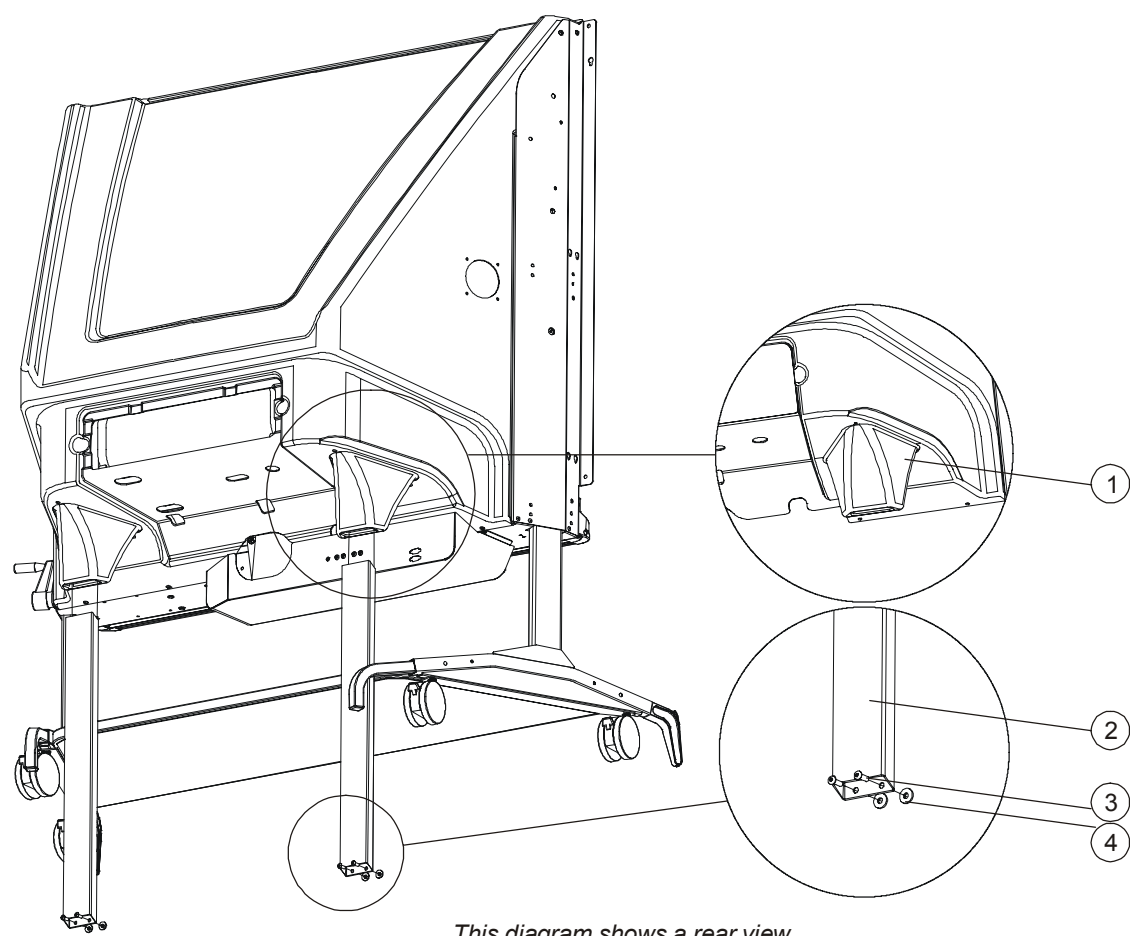
Item	Part No.	Qty	Description
1	51-00289-01	1	Leg, right
2	30-00800	2	Screw, 3/8"-16 × 1 1/2", hex, cap, low profile
3	30-00768	2	Nut, 3/8"-16, hex, top distortion, prevailing torque
4	51-00290-01	1	Leg, left
5	30-00850	2	Plug, 1"
6	FRU-2i-TFB	2	Tip foot, rear, assembly
7	FRU-2i-TFF	2	Tip foot, front, assembly
8	43-00959-01	1	Label, height adjustment
Not Shown	43-01013	1	Label, tip foot caution

Electronics Tray



Item	Part No.	Qty	Description
1	30-00654	4	Screw, No. 10-32 × 3/8", Phillips®, pan head
2	51-00317-00	1	Hinge, 18", piano
3	51-00291-01	1	Tray, electronics, bare
4	30-520	8	Screw, No. 6-32 × 1/4", pan head
5	30-386	4	Washer, No. 6, star tooth
6	FRU-MIXER-XP20	1	Amplifier, audio mixer
7	30-00818	4	Standoff, No. 6-32 × 1/4" × 1 3/4", threaded
8	30-00826	4	Washer, No. 6, flat, nylon
9	FRU-DV-SC8	1	Controller. Please call Technical Support for firmware version verification.
10	30-287	2	Screw, 1/4"-20 × 1/2", hex, button head
11	30-00797	2	Plug, 7/8", snap-in

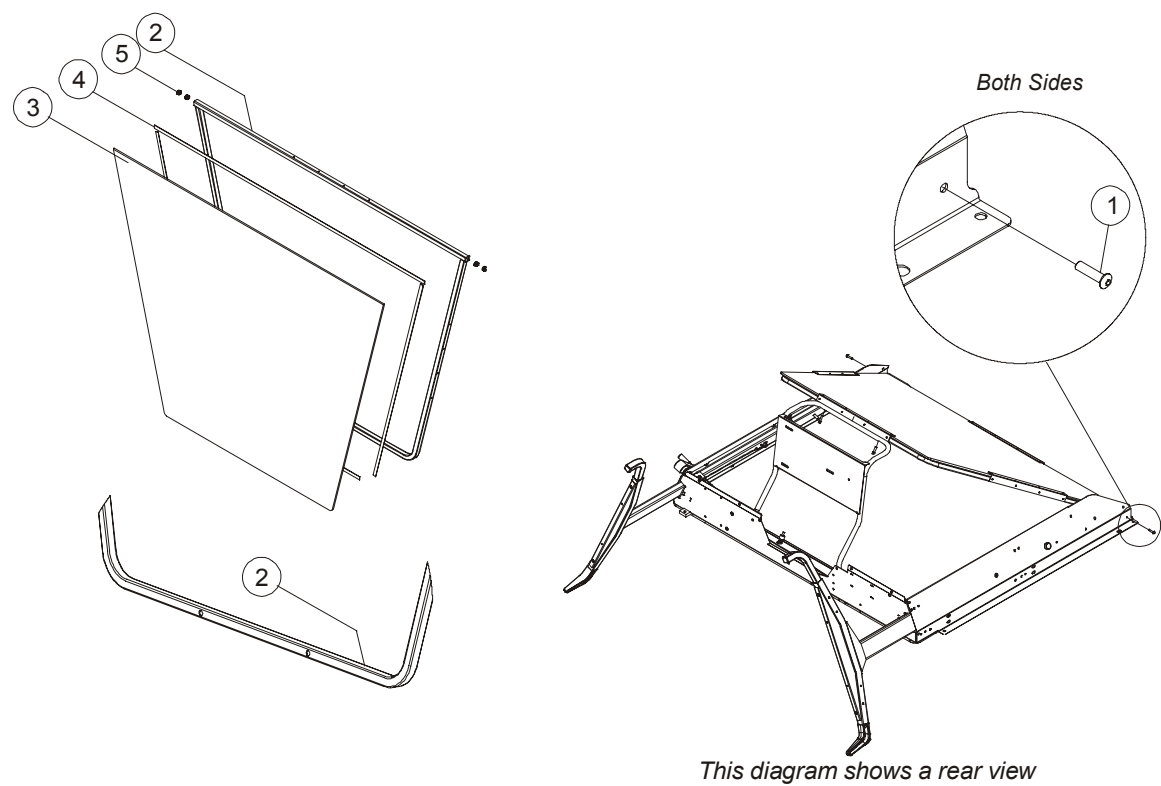
Vertical Stabilizers



This diagram shows a rear view

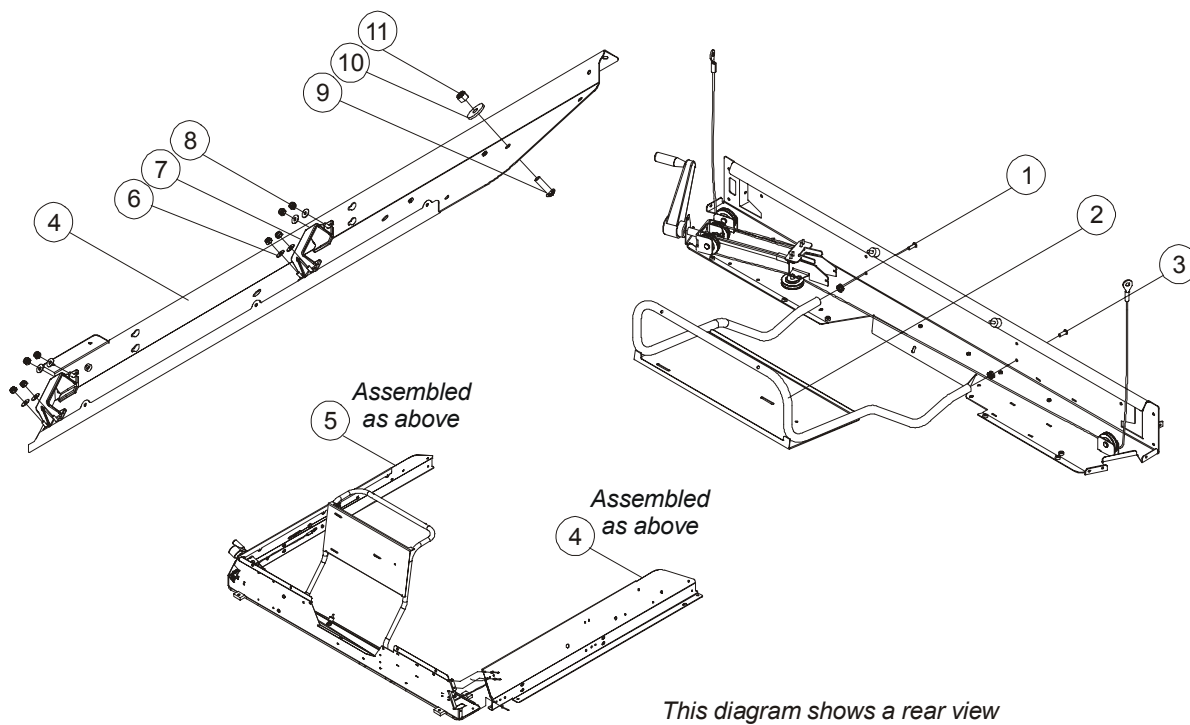
Item	Part No.	Qty	Description
1	52-00167-01	2	Cover, boot, black
2	51-00276-00	2	Upright, basket
3	30-366	4	Screw, 1/4"-20 × 3/4", hex, button head
4	30-00816	4	Washer, 1/4" × 5/8", neoprene

Large Mirror Assembly



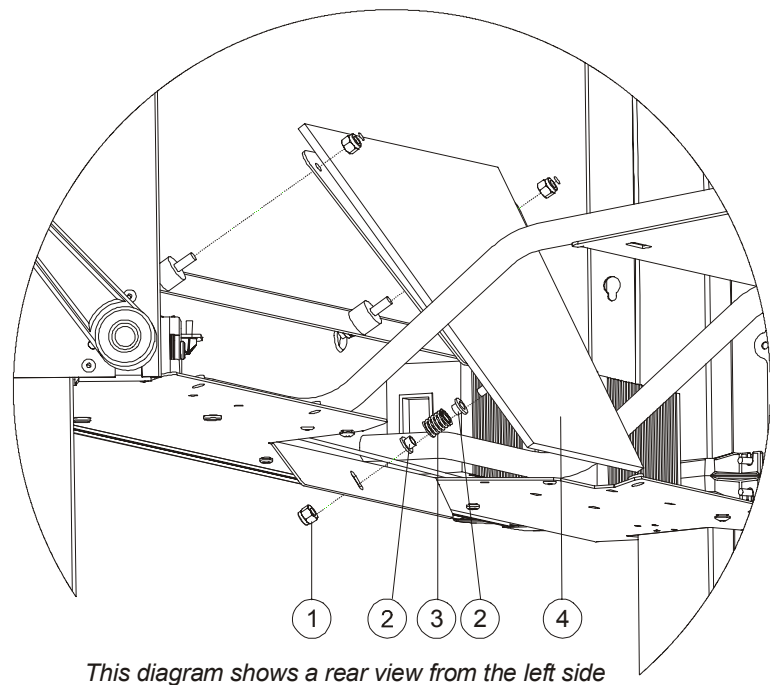
Item	Part No.	Qty	Description
1	30-00851	2	Screw, 1/4"-20 × 1", button head, cap
2	51-00278-00	1	Tube, steel
3	SJ67-402-01	1	Mirror, large, 94% reflective first surface
4	21-00049	15'	Tape, 5962 VHB, 1/2"
5	30-00799	4	Connector, tube

Frame Assembly



Item	Part No.	Qty	Description
1	30-00799	2	Connector, tube
2	51-00274-01	1	Tube, back frame, steel
3	30-366	2	Screw, 1/4"-20 × 3/4", hex, button head
4	51-00279-01	1	Side, left
5	51-00281-01	1	Side, right
6	30-00781	16	Washer, No. 10, flat
7	52-00163-00	4	Holder, floor stand, plastic
8	30-079	16	Nut, No. 10-32, locking, nylon
9	30-433	2	Screw, 3/8"-16 × 1 1/4", button head, cap
10	30-242	2	Washer, 3/8" × 1 1/4" inner diameter
11	30-110	2	Nut, 3/8"-16, hex, locking, nylon

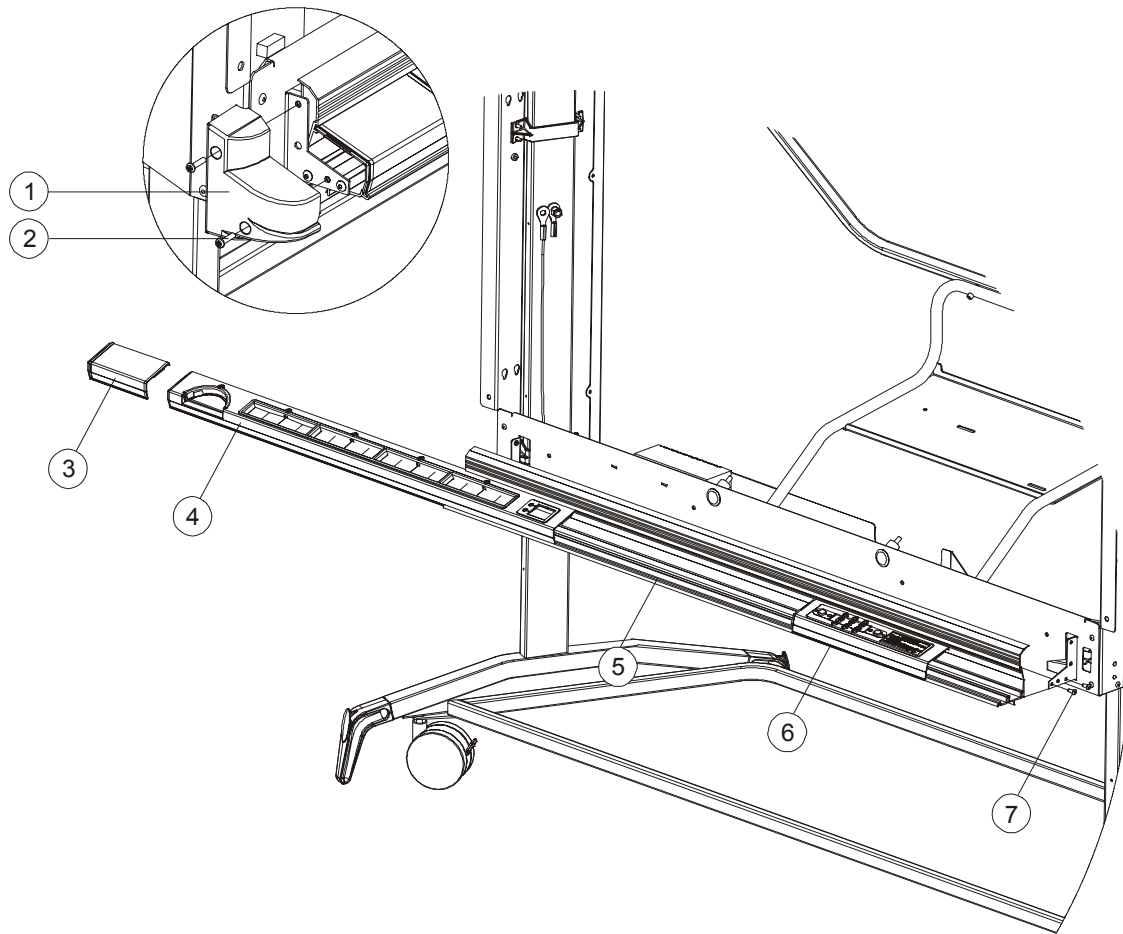
Small Mirror Assembly



This diagram shows a rear view from the left side

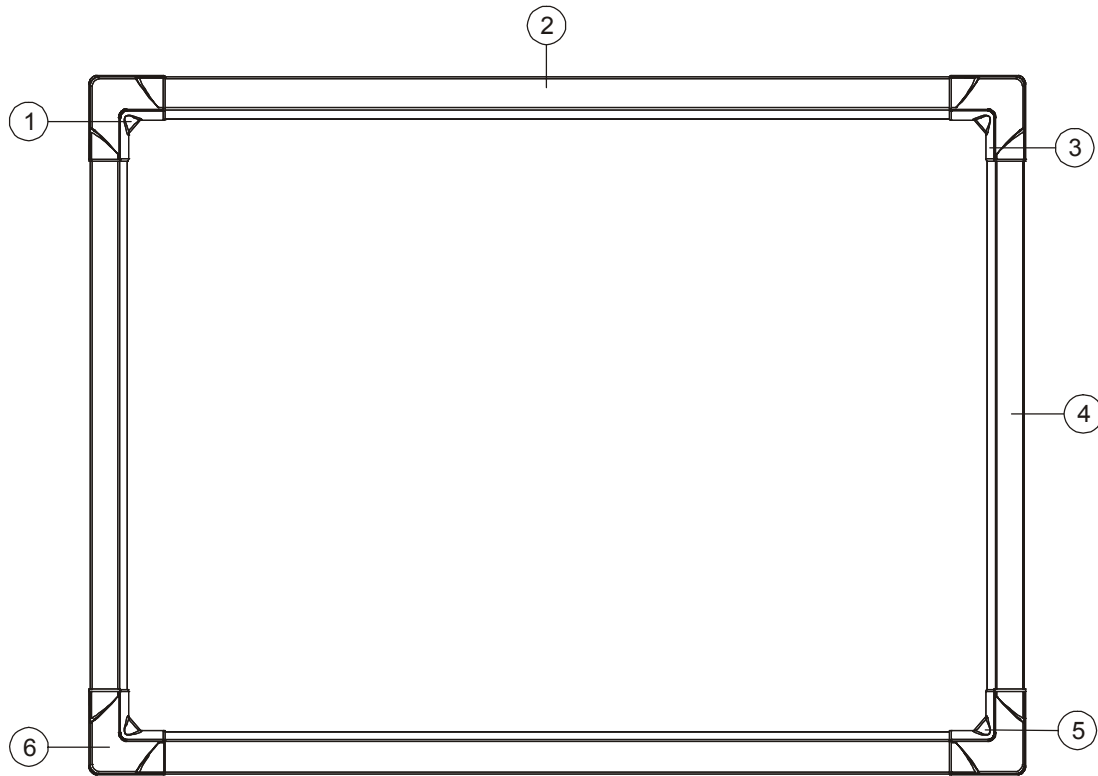
Item	Part No.	Qty	Description
1	30-116	3	Nut, 1/4"-20, hex, locking, nylon
2	30-362	2	Washer, 1/4", shoulder, nylon
3	30-00798	1	Spring, 7/16" × 15/16"
4	20-00380-00	1	Mirror, small, assembly

Pen Tray



Item	Part No.	Qty	Description
1	SJ67-107-01-01	1	End cap, left, pen tray, silver
1	SJ67-108-01-01	1	End cap, right, pen tray, silver
2	30-436	4	Screw, No. 8-32 × 3/8", Phillips, pan head
3	SB560-030-01-01	1	Spacer, pen tray, silver
4	FRU-DV-PT10	1	Pen tray, silver. Does not include the serial controller , wonderbar or control panel cover.
5	51-00299-01	1	Extrusion, pen tray
6	CONTRLP-3000i	1	Cover, control panel
7	30-180	4	Screw, No. 10-32 × 1/2", hex, socket cap
Not Shown	FRU-WBAR-V.3	1	Wonderbar. Firmware is specifically for the NEC MT860 projector.

Front View of Interactive Whiteboard (Part No. FRU-RB467-xx-x.x)



NOTE: A three-camera system is shown above.

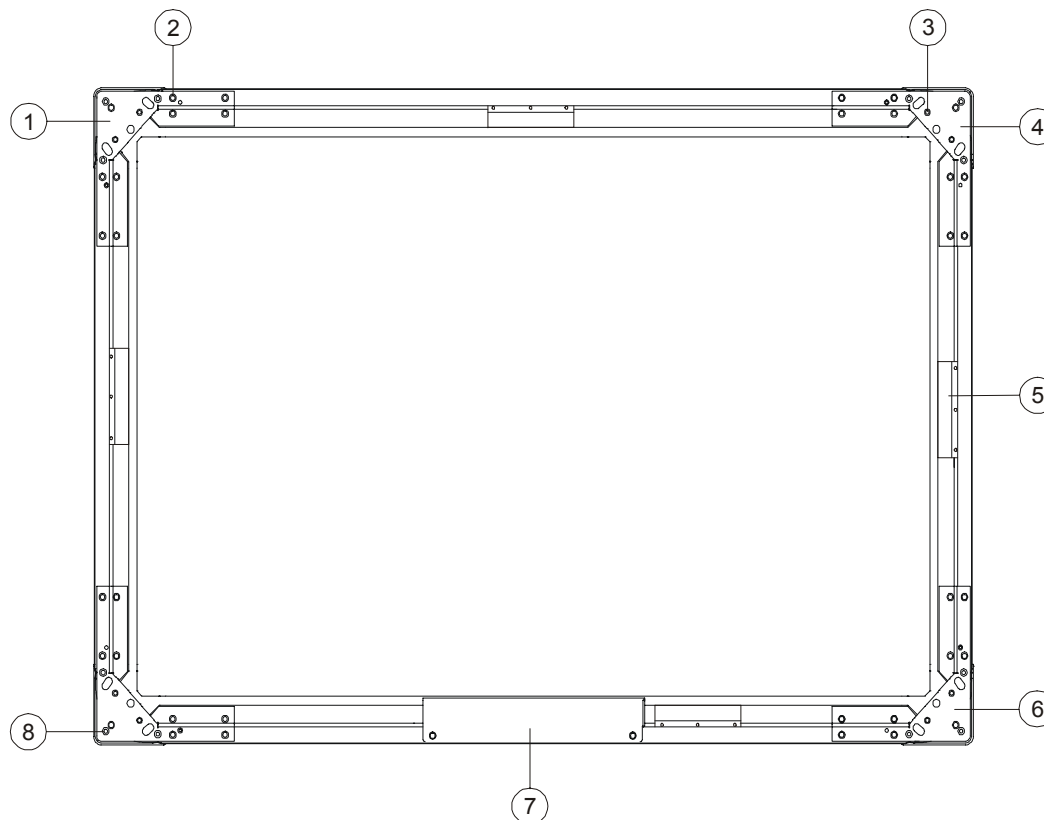
Item	Part No.	Qty	Description
1	FRU-DV-CAMx-y	3 ^a	Camera assembly, lower left and upper right and left corners. Please call Technical Support for firmware version verification.
2	20-00414-00	2	Bezel, assembly, long side
3	52-00071-01	3 ^b	Corner cap, inner, IR transmissive, with camera cutout
4	20-00413-00	2	Bezel, assembly, short side
5	52-00193-00	1 ^c	Corner cap, inner, IR transmissive, without camera cutout
6	52-00153-00	4	Corner cap, outer, silver
Not shown	FRU-LED-67	1	LED strips, all four sides
Not shown	FRU-LED-67L	2	LED strip, long side
Not shown	FRU-LED-67S	2	LED strip, short side
Not shown	93-00425-00	1	Cable, MOD8 to MOD8, 3'10 1/2" (1.2 m). Connects the bottom right camera to the hub, viewed from the rear.
Not shown	93-00426-00	1	Cable, MOD8 to MOD8, 4'11" (1.5 m). Connects the top left camera to the hub, viewed from the rear.
Not shown	93-00427-00	1	Cable, MOD8 to MOD8, 7'5" (2.3 m). Connects the top right camera to the hub, viewed from the rear.

a. Four-camera systems have four cameras (Part No. FRU-DV-CAMx-y).

b. Four-camera systems have four inner corner caps with camera cutout (Part No. 52-00071-01).

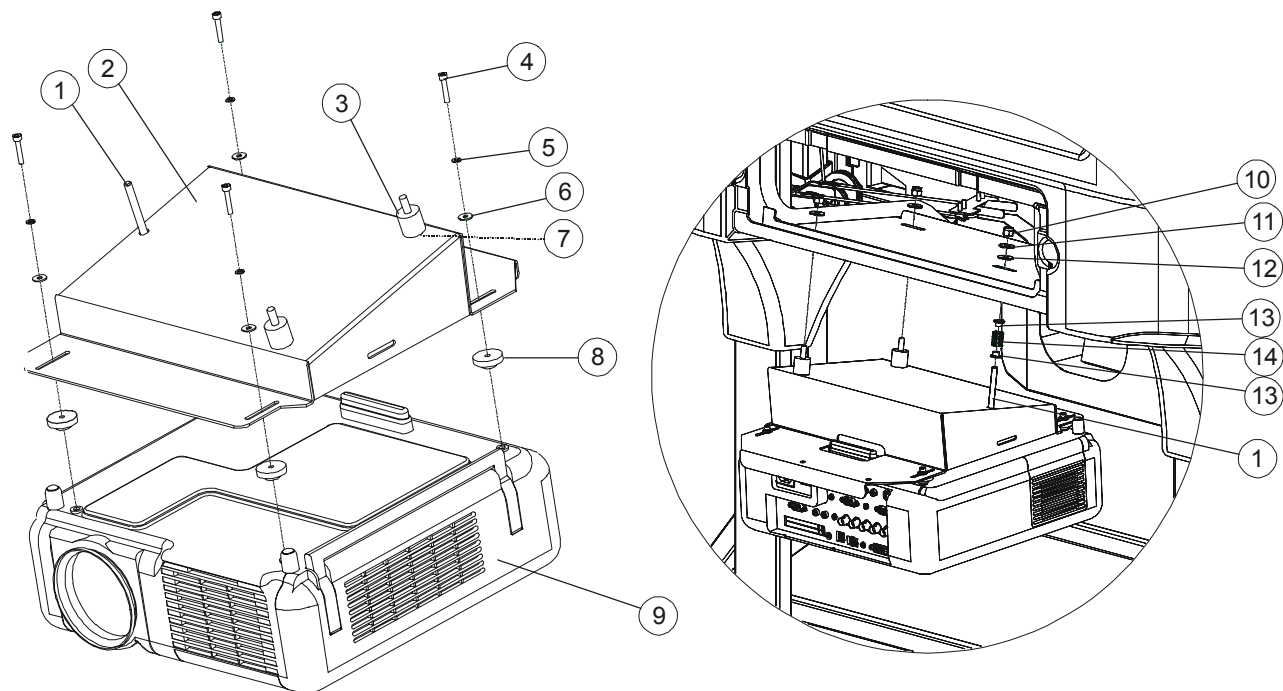
c. Four-camera systems have no inner corner cap without camera cutout (Part No. 52-00193-00).

Rear View of Interactive Whiteboard (Part No. FRU-RB467-xx-x.x)



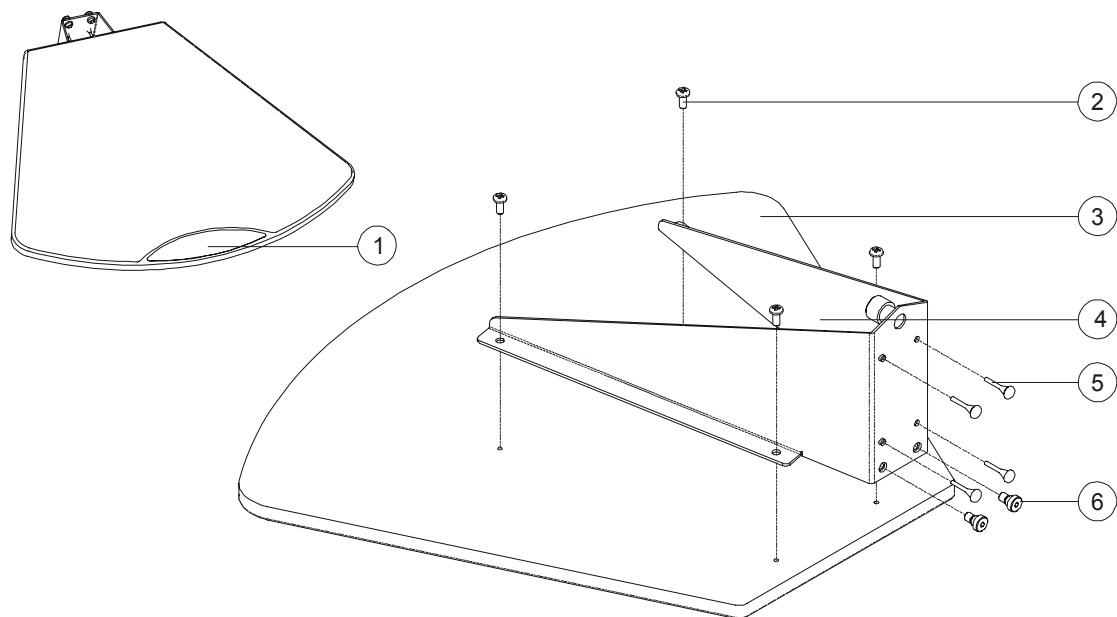
Item	Part No.	Qty	Description
1	51-00119-02	1	Bracket, corner, top left, viewed from the rear
2	30-00653	46	Screw, No. 10-32 x 3/8", square recess, flat head
3	30-00885	8	Screw, No. 8-32 x 3/8", Phillips®, flat, undercut
4	51-00118-02	1	Bracket, corner, top right, viewed from the rear
5	51-00122-01	4	Plate, bezel
6	51-00120-02	2	Bracket, corner, bottom left and right, viewed from the rear
7	FRU-DV-HUB1	1	Hub, assembly
8	30-00719	12	Screw, No. 10 x 3/4", Phillips, flat head, for plastics

Projector Plate



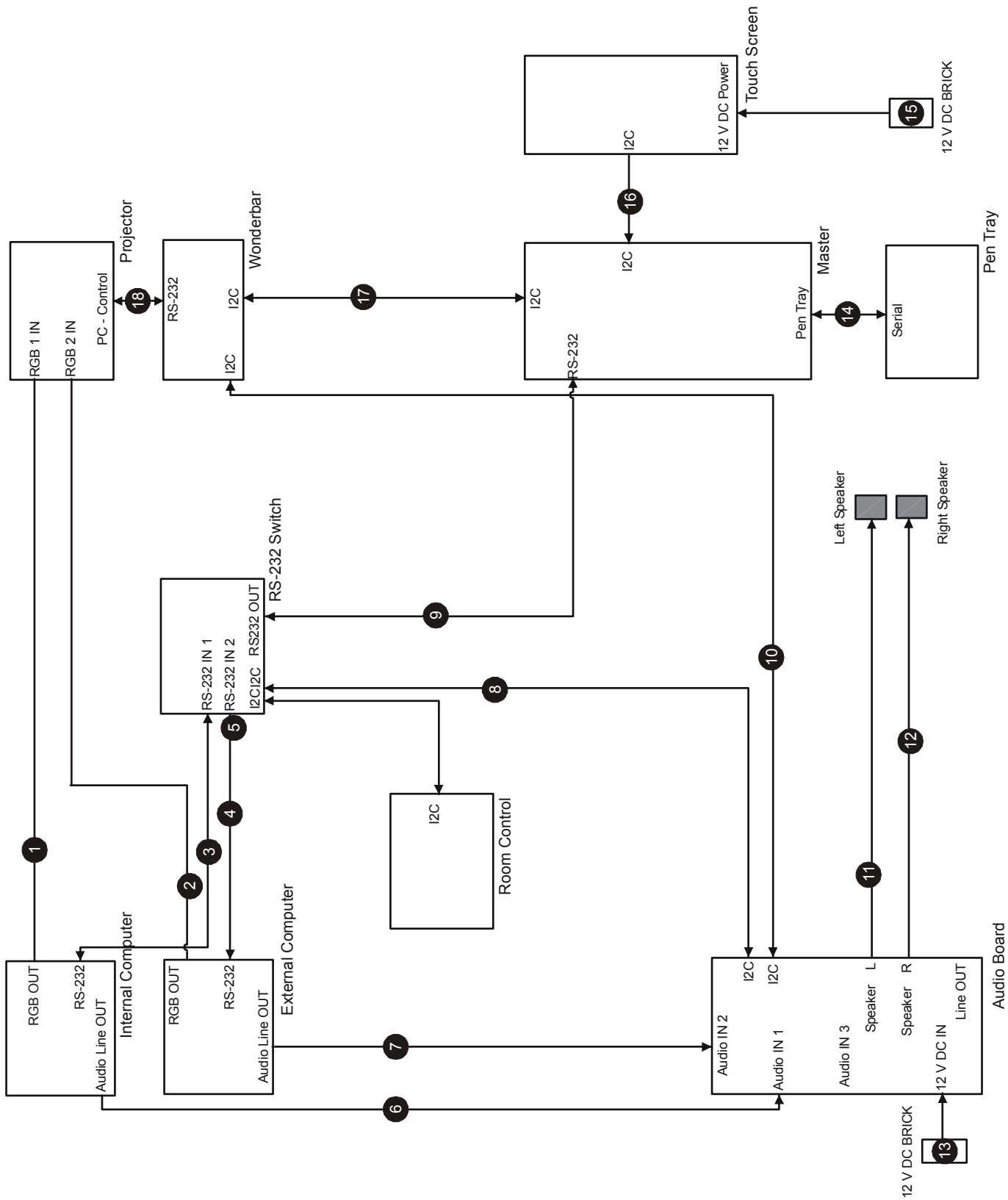
Item	Part No.	Qty	Description
1	30-00636	1	Screw, 1/4"-20 × 2 1/4", hex
2	51-00293-01	1	Plate, projector, NEC MT860
3	30-439	2	Mount, vibration
4	30-00758	4	Screw, M4 × 22 mm
5	30-451	4	Washer, M4, lock
6	30-00756	4	Washer, M4, flat, fender
7	30-287	2	Screw, 1/4"-20 × 1/2", hex, button head
8	51-00261-00	4	Spacer
9	FRU-NEC860	1	Projector, NEC MT860. Does not come with accessories, projector mounting plate or hardware. Please call Technical Support to discuss repair or replacement options.
10	30-116	3	Nut, 1/4"-20, hex, lock, nylon
11	30-365	3	Washer, 1/4", fender
12	30-441	1	Washer, 1/4", nylon
13	30-362	2	Washer, 1/4", shoulder, nylon
14	30-434	1	Spring, 1 1/2" × 15/32"

Laptop Shelf



Item	Part No.	Qty	Description
1	43-299-00	1	Label, laptop shelf
2	30-00837	4	Screw, No. 8 × 3/8", high/low
3	52-00169-01	1	Shelf, laptop, large
4	51-00295-01	1	Bracket, laptop shelf
5	30-407	4	Bumper, RB126, rubber
6	30-429	2	Screw, No. 10-32 × 1/2", 3/8" wide, shoulder

Wiring Diagram



Item	Part No.	Ref. No.	Description
1	93-180-00		Cable, video, HD15 male to HD15 male, 10' (3.0 m)
2	93-00421-00		Cable, video, HD15 male to 5 × BNC, 6' (1.8 m)
3	93-082		Cable, serial, DB9 female to DB9 female, 10' (3.0 m)
4	93-00428-00		Adapter, gender changer, DB9 male to DB9 male
5	93-027		Cable, serial, DB9 male to DB9 female, 6' (1.8 m)
6	93-075		Cable, audio, 3.5 mm male to 3.5 mm male, 10' (3.0 m)
7	93-075		Cable, audio, 3.5 mm male to 3.5 mm male, 10' (3.0 m)
8	93-306-00		Cable, MOD4 to MOD4, RJ45, 6" (15.2 cm)
9	93-00415-00		Cable, serial, DB9 female to DB9 female, 21" (53.3 cm)
10	93-00414-00		Cable, MOD6 to MOD6, 6' (1.8 m)
11	93-00408-01		Cable, speaker, common
12	93-00408-01		Cable, speaker, common
13	60-016		Power supply, 12V DC, 4.2A, switching
14	93-00418-00		Cable, harness, pen tray to master controller
15	60-016		Power supply, 12V DC, 4.2A, switching
16	93-00355-01		Cable, MOD8 to MOD8, 4'6" (1.4 m)
17	93-306-00		Cable, MOD4 to MOD4, RJ45, 6" (15.2 cm)
18	93-00385-00		Cable, DB9 female to DB9 female, 8' (2.4 m)

Accessories

Part No.	Qty	Description
01-00128	1*	Lamp, MT60LP, standard lamp for the NEC MT860 projector
01-00129	1	Lamp, MT60LPS, extended-life lamp for the NEC MT860 projector
03-00040	1	Projector, NEC MT860 with modified SMART lens. Includes accessories. Does not include the mounting plate or hardware. Please call Technical Support to discuss repair or replacement options.
30-00755	1	Hex key, M3
78-0037	1	Driver, 7/16", nut
78-018	1	Hex key, 5/32"
99-00473	1	Guide, installation
99-00557	1	Guide, users, SMART Board software
CD-100	1	CD, SMART Board software
ERA-001	1	Eraser, round
2000i-RCM	1*	Room control module
SB572-029-00-02	1	Eraser cup, silver
STYF-00009-00	1	Whisper-tip™ styluses, black nib. Set of four, green, red, black and blue.
USB-ADP	1	Cable, USB, DB9 male to USB, 2'6" (76.2 cm)
XP20-2000i	1*	X-Port™ 20 switch

* These are optional accessories for the *Rear Projection* SMART Board 2000i-DV interactive whiteboard. They are not part of the cabinets standard equipment.