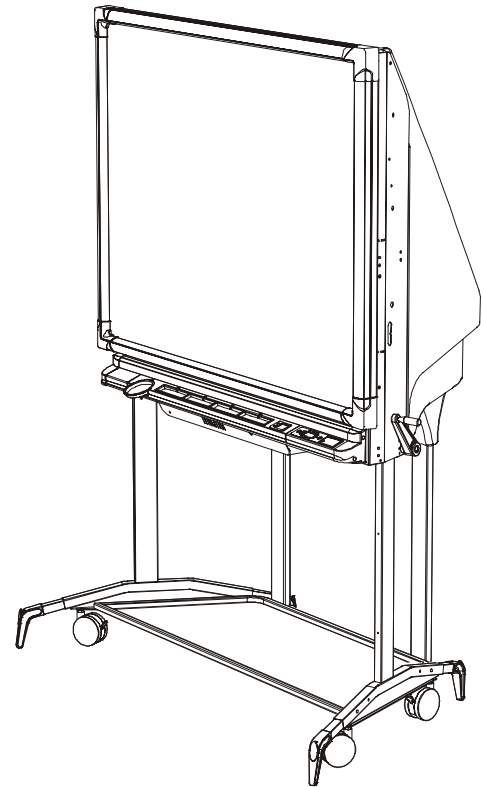Rear Projection
SMART Board™

DViT™

Service Parts Diagrams

For Model:
2000i-DVS with the NEC VT465 Projector
2000i-DVS with the NEC VT470 Projector

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

SMART
Technologies Inc.

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 *Rear Projection* SMART Board 2000i-DVS interactive whiteboard.

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.
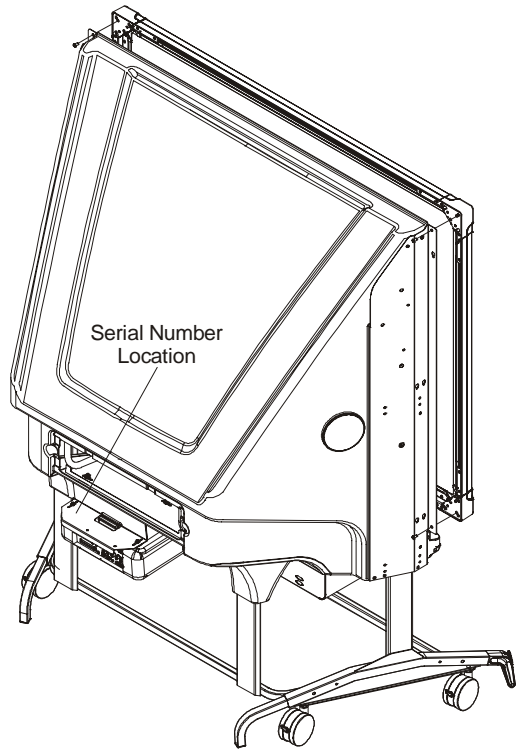
Product Model Number

Unique Serial Number

Serial Number Location

2000i-DVS-xxxxx

DViT Technology Product

Projector Information

2000i-DVS cabinets purchased between February 2004 and October 2004 have a serial number format of 2000i-DVS-01000 through 2000i-DVS-02999. Cabinets manufactured during this time have the NEC VT465 projector. When referencing parts regarding the projector, look at the page for the NEC VT465 (page 16).

2000i-DVS cabinets purchased after October 2004 have a serial number format of 2000i-DVS-03000 and higher. Cabinets manufactured during this time will have the NEC VT470 projector. When referencing parts regarding the projector, look at the page for the NEC VT470 (page 17).

Ordering Parts

Customers

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

Dealers and Distributors

To order any of the parts found in these service parts diagrams, 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
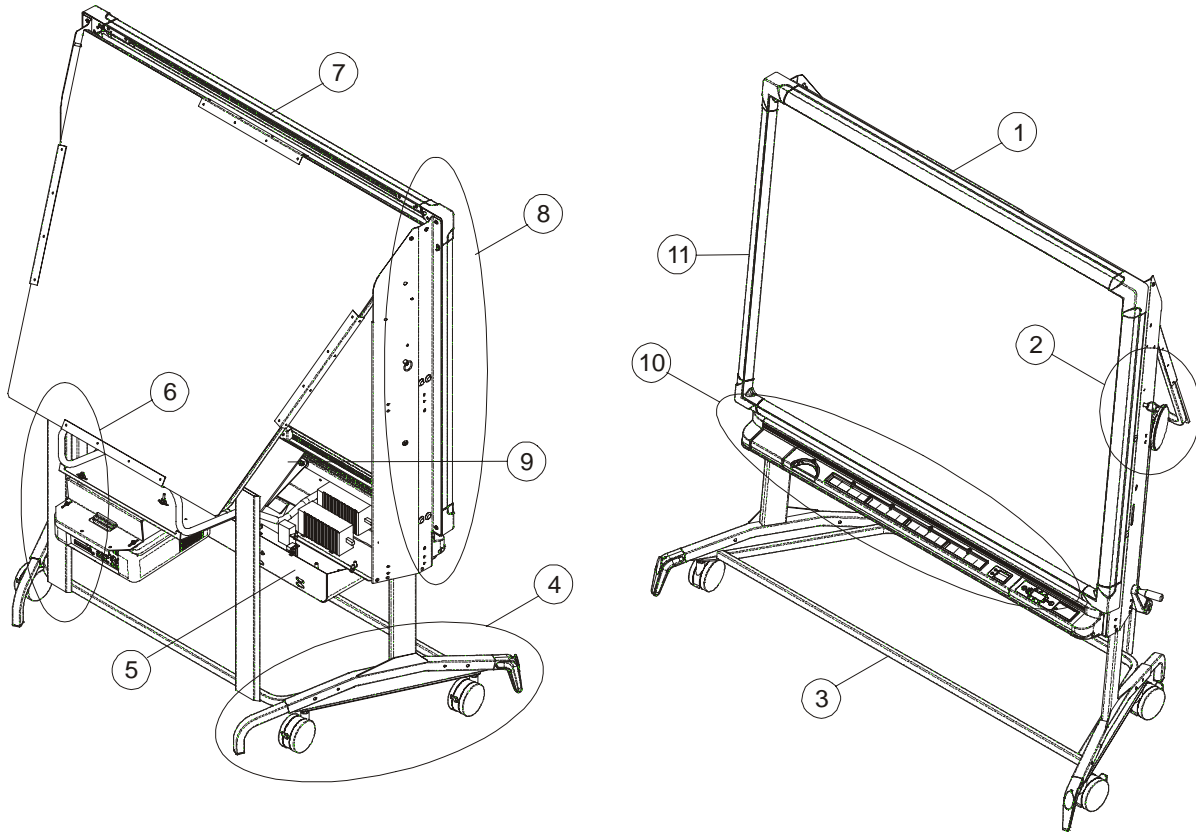
Item	Description
1	Rear assembly
2	Speakers
3	Undercarriage and casters
4	Leg assembly
5	Electronics tray
6	Vertical stabilizers
7	Large mirror assembly
8	Frame assembly
9	Small mirror assembly
10	Pen tray
11	*Rear Projection* SMART Board interactive whiteboard
Not shown	Laptop shelf

Rear Assembly

Rear cover hooked onto large mirror

Both sides

This diagram shows a rear view

Four Places
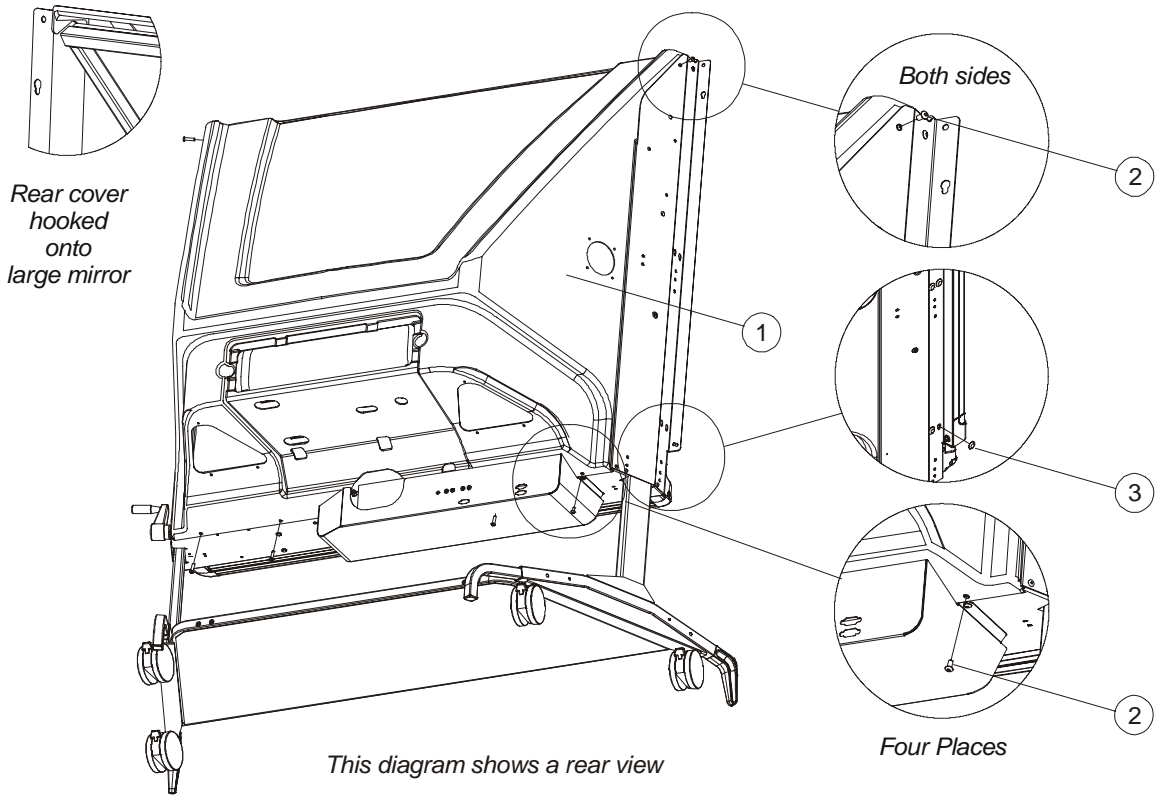
Item	Part No.	Qty	Description
1	52-00161-05	1	Cover, back
2	30-287	6	Screw, 1/4"-20 × 1/2", hex, button head
3	30-431	8	Plug, 1/2", plastic

Speakers
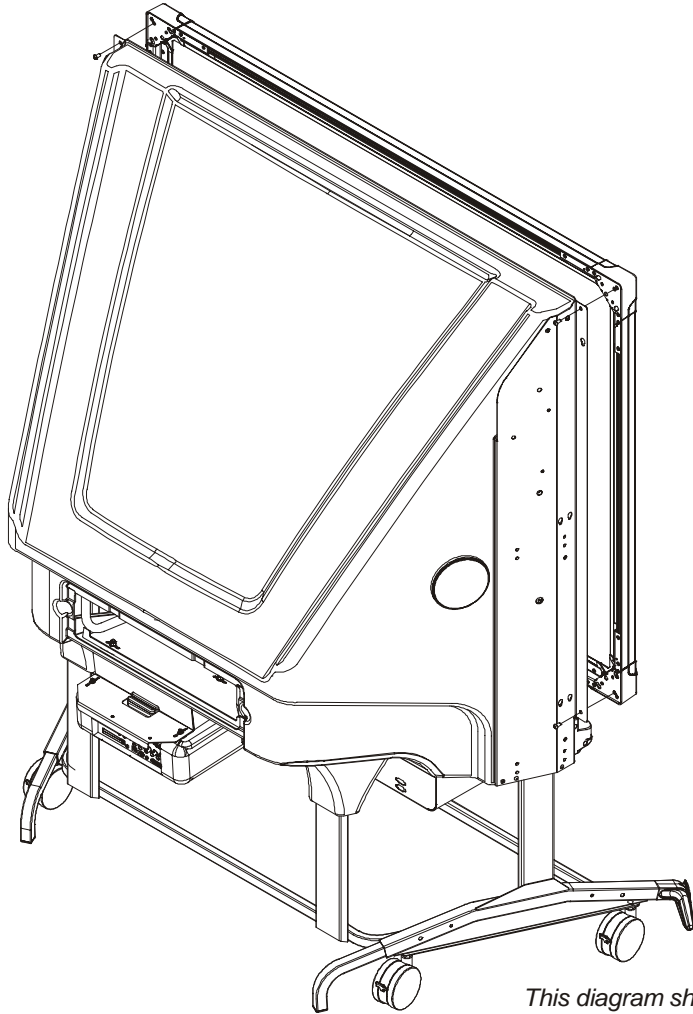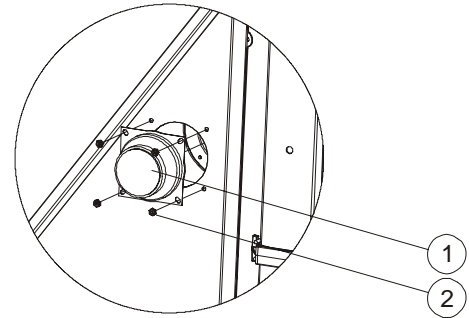
Viewed from inside the cabinet
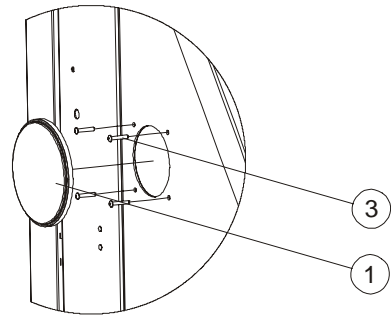
Viewed from the outside of the cabinet

This diagram shows a rear view

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

Undercarriage and Casters

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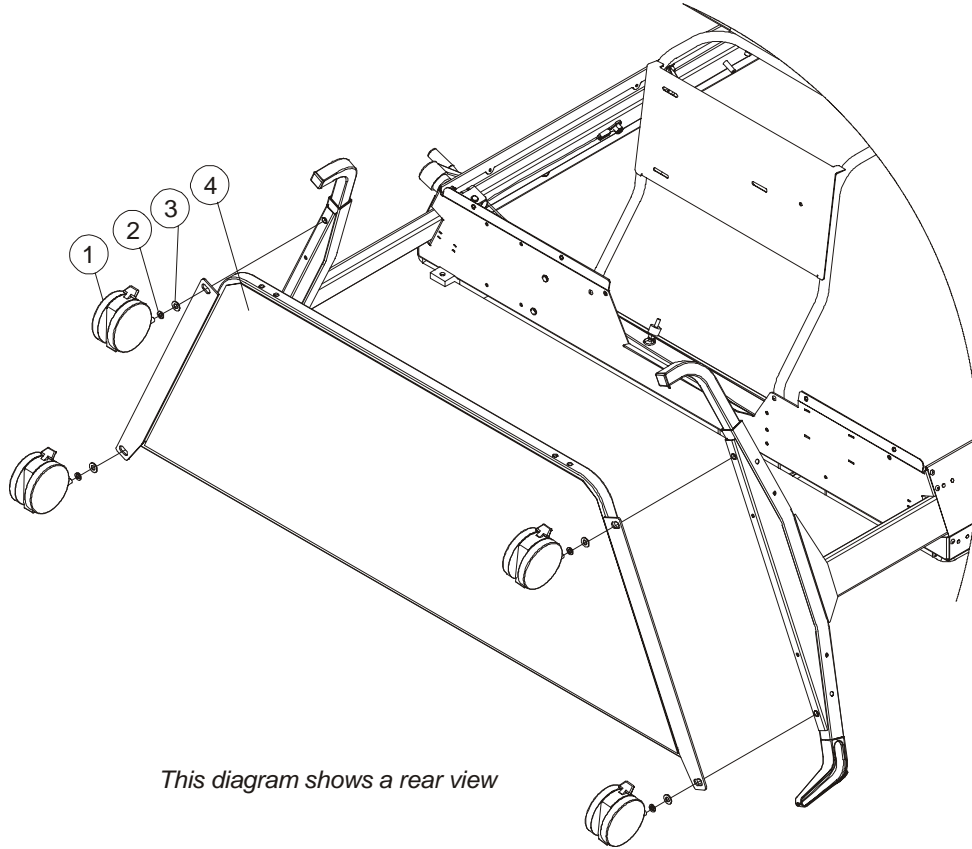
Item	Part No.	Qty	Description
1	10-00020	4	Caster, 4", locking, 3/8"-16 × 3/4" post
2	30-253	4	Washer, 3/8", split lock
3	30-00645	8	Washer, 13/32" inside diameter × 13/16" outside diameter × 1/16" thick
4	51-00275-01	1	Basket

Leg Assembly

This diagram shows a rear view
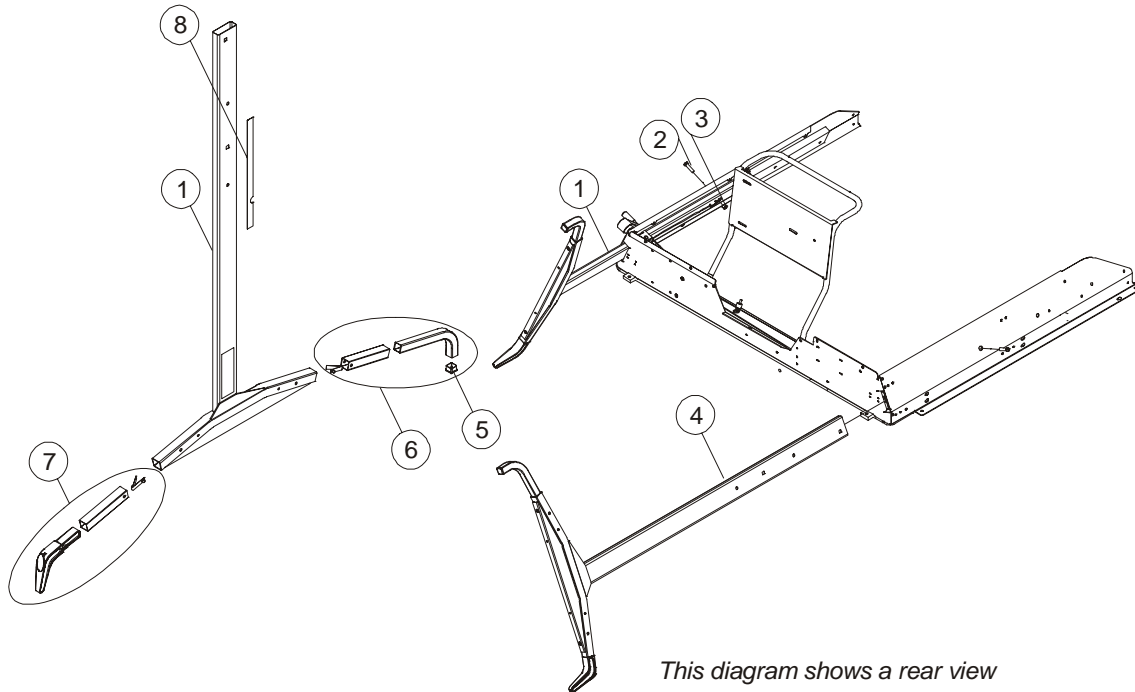
Item	Part No.	Qty	Description
1	51-00289-01	1	Leg, left, viewed from the rear
2	30-00800	2	Screw, 3/8"-16 × 1 1/2", hex, cap, low profile
3	30-00768	2	Nut, 3/8"-16, hex, top distortion, prevailing torque
4	51-00290-01	1	Leg, right, viewed from the rear
5	30-00850	2	Plug, 1"
6	FRU-2i-TFB	2	Tip foot, rear, 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

Note hinge orientation
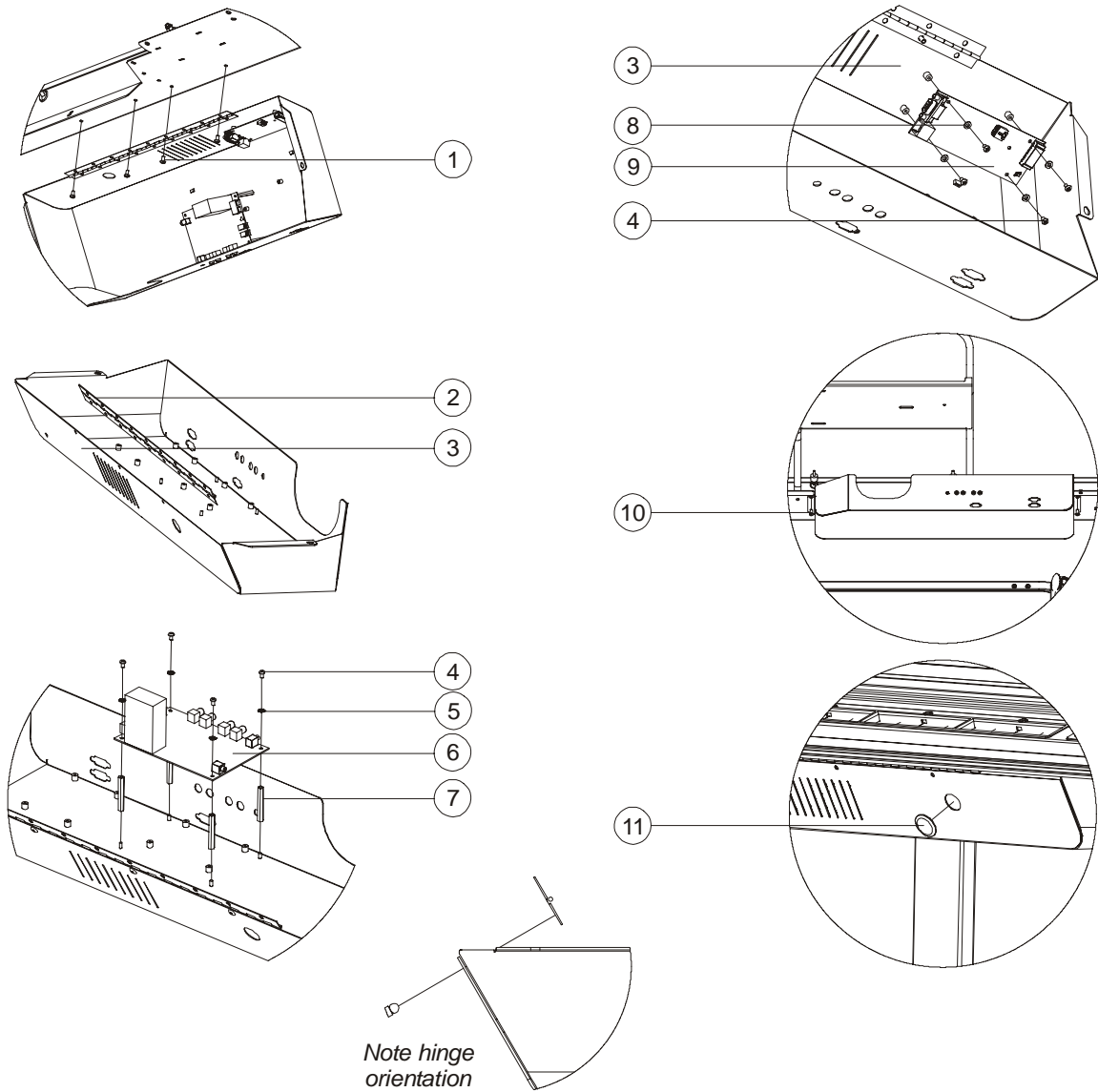
Item	Part No.	Qty	Description
1	30-00654	4	Screw, No. 10-32 × 3/8", Phillips®, pan head
2	51-00317-00	1	Hinge, 18", piano
3	51-00291-02	1	Tray, electronics, bare
4	30-520	8	Screw, No. 6-32 × 1/4", pan head
5	30-386	4	Washer, No. 6, star tooth
6	FRU-MIXER-XP20	1	Amplifier, audio mixer
7	30-00818	4	Standoff, No. 6-32 × 1/4" × 1 3/4", threaded
8	30-00826	4	Washer, No. 6, flat, nylon
9	FRU-DV-SC8	1	Controller. 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
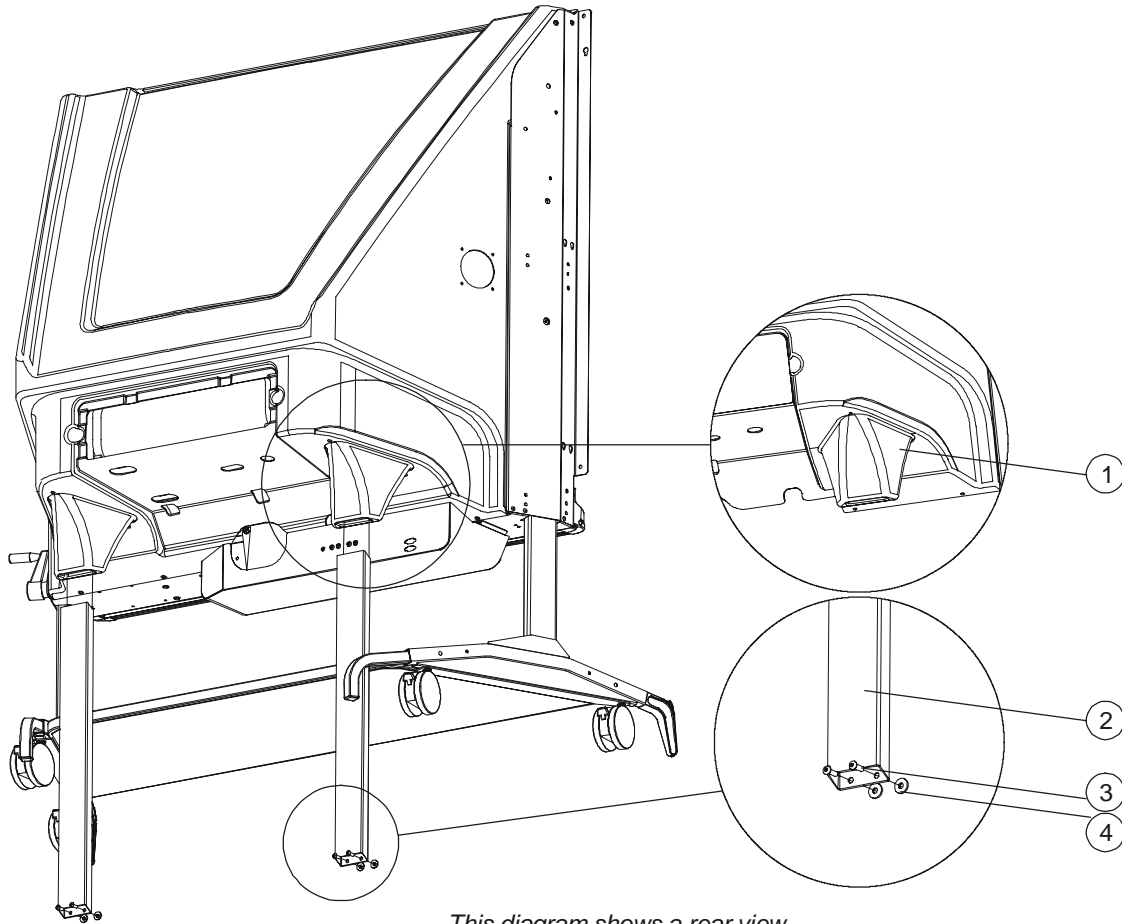
This diagram shows a rear view

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

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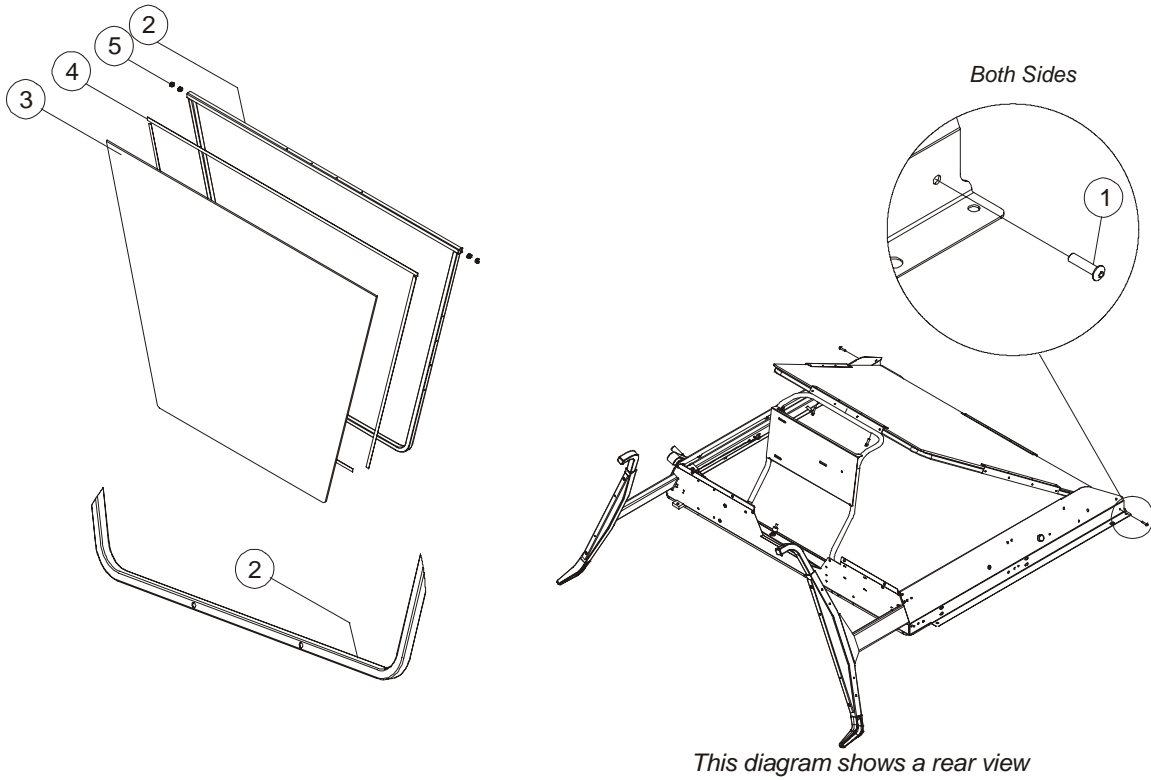
Item	Part No.	Qty	Description
1	30-00851	2	Screw, 1/4"-20 × 1", button head, cap
2	51-00278-00	1	Tube, steel
3	SJ67-402-01	1	Mirror, large, 94% reflective first surface
4	21-00049	15'	Tape, 5962 VHB, 1/2"
5	30-00799	4	Connector, tube

Frame Assembly

Assembled as above 5

Assembled as above 4

This diagram shows a rear view
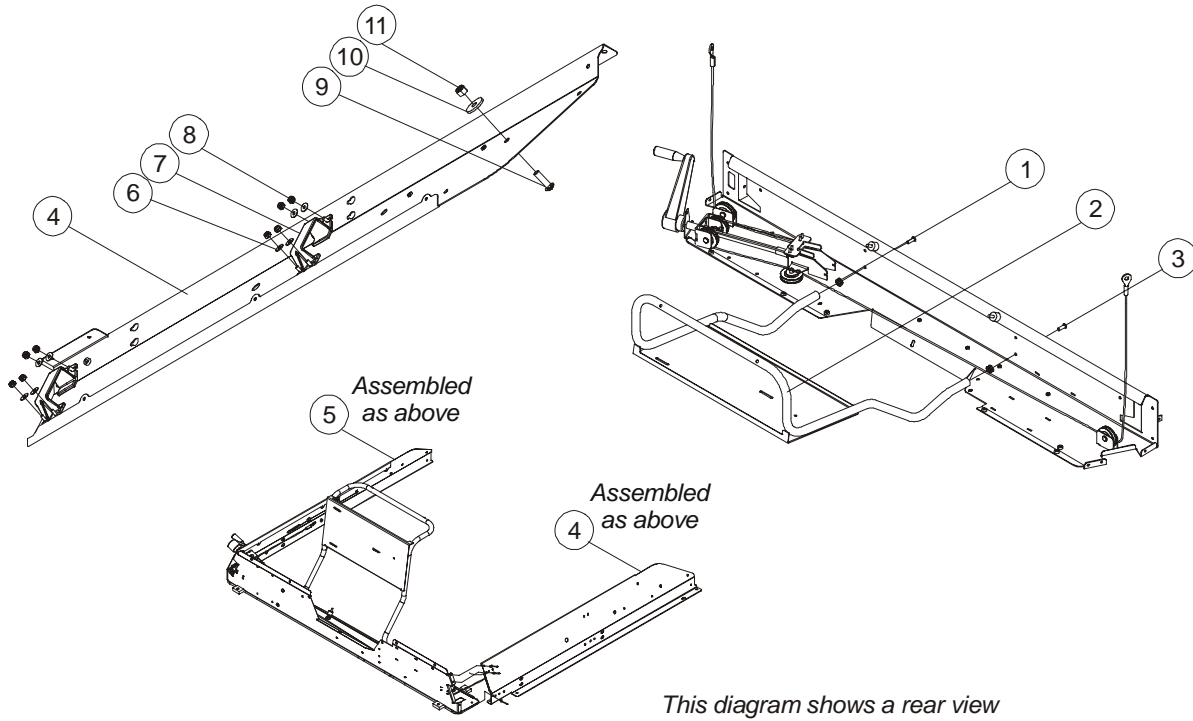
Item	Part No.	Qty	Description
1	30-00799	2	Connector, tube
2	51-00274-02	1	Tube, back frame, steel
3	30-366	2	Screw, 1/4"-20 x 3/4", hex, button head
4	51-00279-01	1	Side, left
5	51-00281-01	1	Side, right
6	30-00781	16	Washer, No. 10, flat
7	52-00163-00	4	Holder, floor stand, plastic
8	30-079	16	Nut, No. 10-32, locking, nylon
9	30-433	2	Screw, 3/8"-16 x 1 1/4", button head, cap
10	30-242	2	Washer, 3/8" x 1 1/4" inner diameter
11	30-110	2	Nut, 3/8"-16, hex, locking, nylon

Small Mirror Assembly
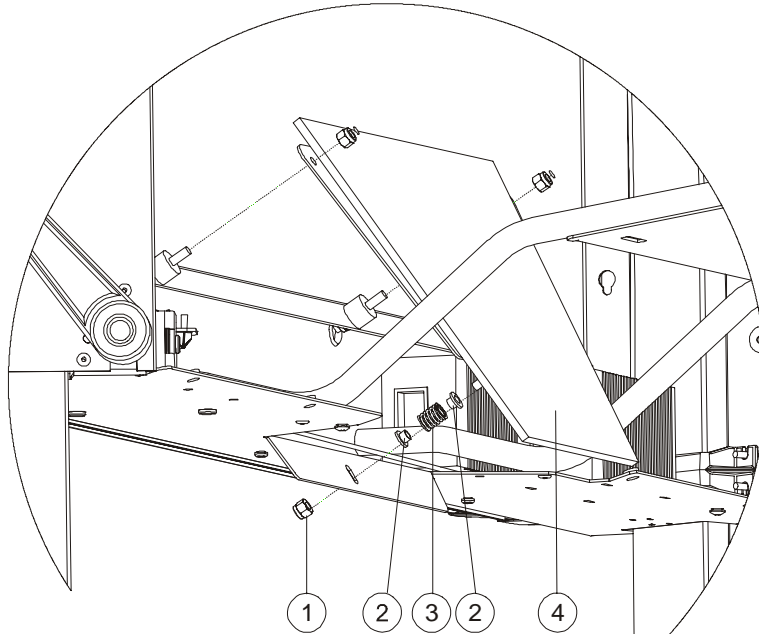
This diagram shows a rear view from the left side

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
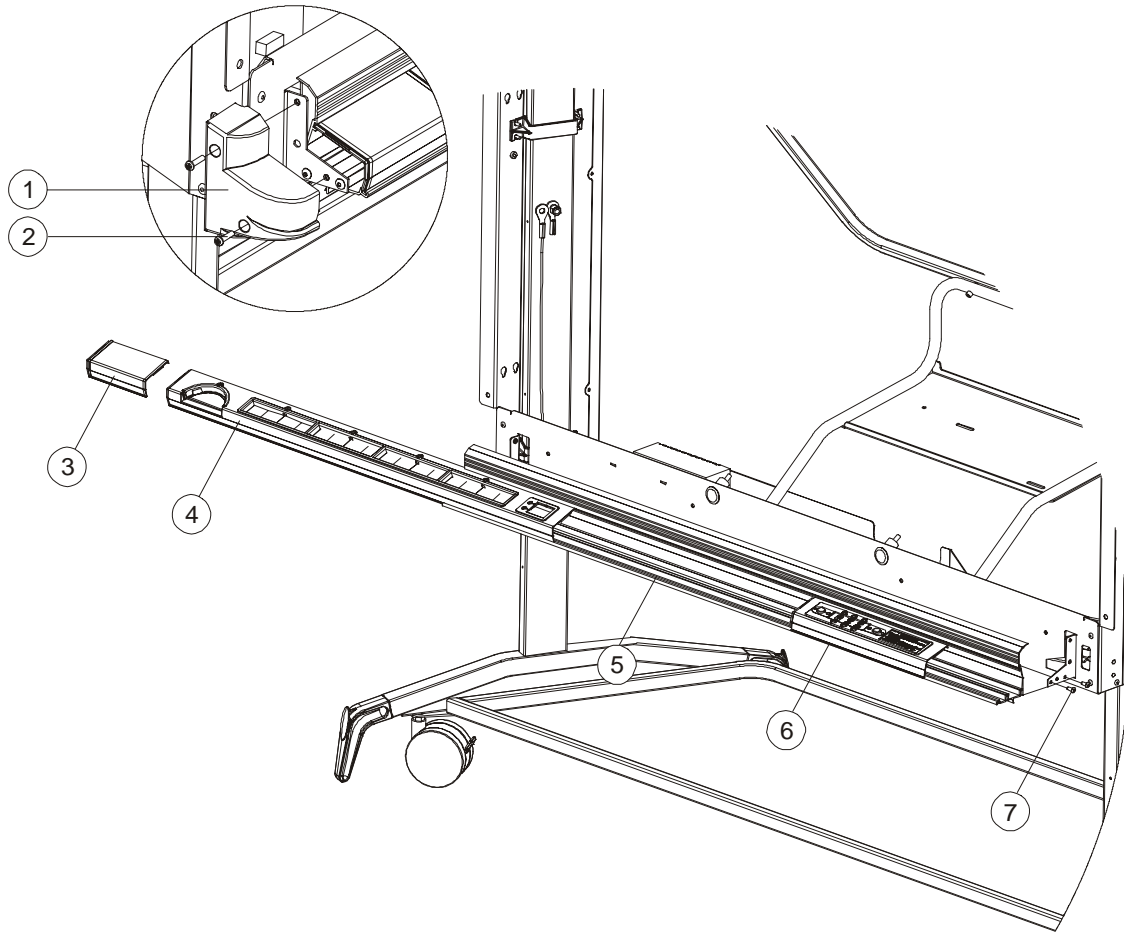
Item	Part No.	Qty	Description
1	SJ67-107-01-01	1	End cap, left, pen tray, silver
1	SJ67-108-01-01	1	End cap, right, pen tray, silver
2	30-436	4	Screw, No. 8-32 × 3/8", Phillips, pan head
3	SB560-030-01-01	1	Spacer, pen tray, silver
4	FRU-DV-PT10	1	Pen tray, silver. Does not include the serial controller, 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

Front View of Interactive Whiteboard (Part No. FRU-RB467-xx-x.x)
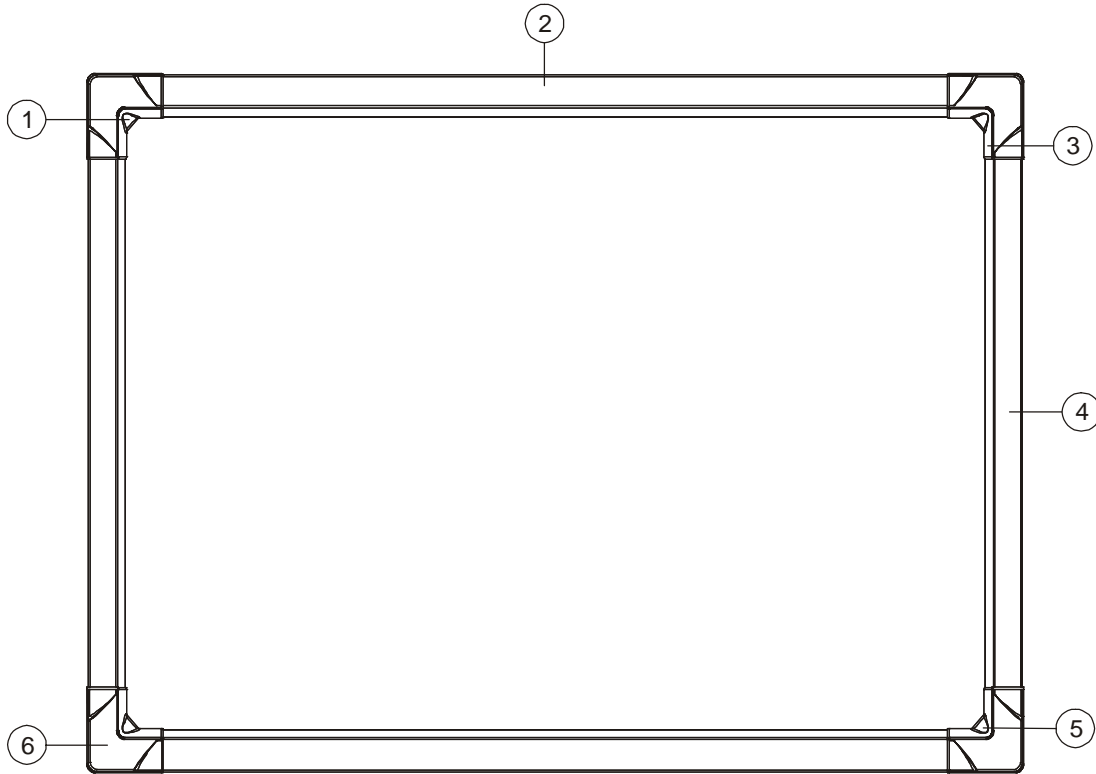
Item	Part No.	Qty	Description
1	FRU-DV-CAMx-y	3	Camera assembly, lower left and upper right and left corners. Call Technical Support for firmware version verification.
2	20-00414-00	2	Bezel, assembly, long side
3	52-00071-01	3	Corner cap, inner, IR transmissive, with camera cutout
4	20-00413-00	2	Bezel, assembly, short side
5	52-00193-00	1	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.

Rear View of Interactive Whiteboard (Part No. FRU-RB467-xx-x.x)
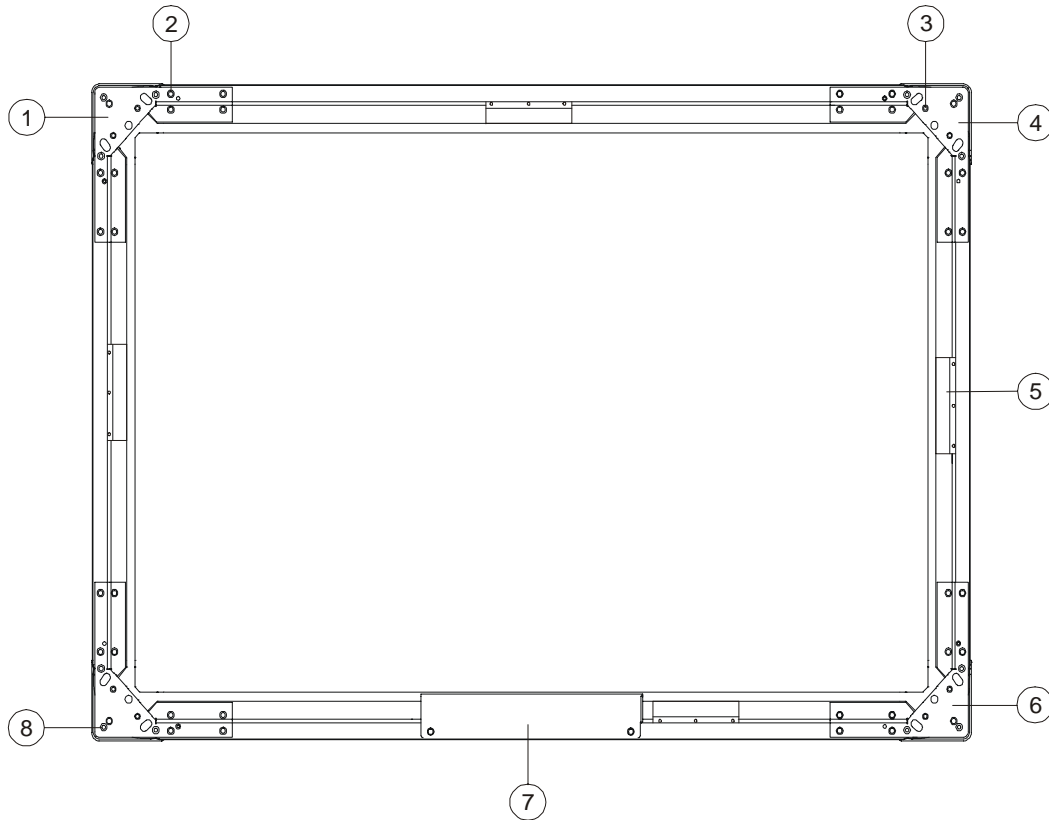
Item	Part No.	Qty	Description
1	51-00119-02	1	Bracket, corner, top left, viewed from the rear
2	30-00653	46	Screw, No. 10-32 × 3/8", square recess, flat head
3	30-00885	8	Screw, No. 8-32 × 3/8", Phillips, flat, undercut
4	51-00118-02	1	Bracket, corner, top right, viewed from the rear
5	51-00122-01	4	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 × 3/4", Phillips, flat head, for plastics

Projector Top Mounting Plate for NEC VT465 and NEC VT470
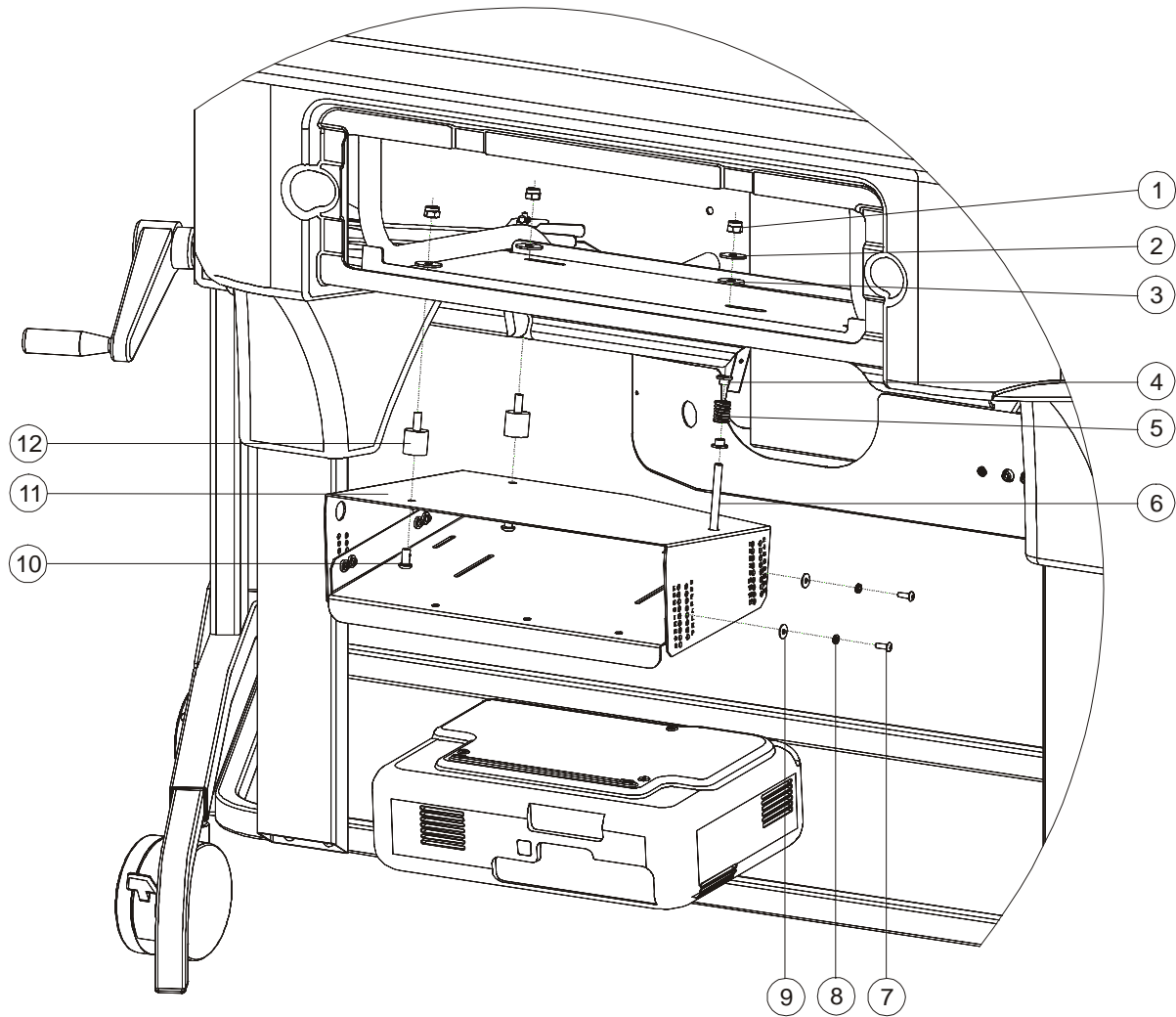
Item	Part No.	Qty	Description
1	30-116	3	Nut, 1/4"-20, lock, nylon
2	30-365	3	Washer, 1/4", fender
3	30-441	1	Washer, 1/4", nylon
4	30-362	2	Washer, 1/4", shoulder, nylon
5	30-434	1	Spring, 1 1/2" × 15/32"
6	30-00636	1	Screw, 1/4"-20 × 2 1/4"
7	30-00866	4	Screw, M4 × 12 mm, button head, security, TORX®
8	30-451	4	Washer, M4, lock
9	30-00756	4	Washer, M4, flat, fender
10	30-287	6	Screw, 1/4"-20 × 1/2", button head, hex
11	51-00357-00	1	Plate, top, projector, NEC VT465
12	30-439	2	Mount, vibration

NEC VT465 Projector and Bottom Mounting Plate
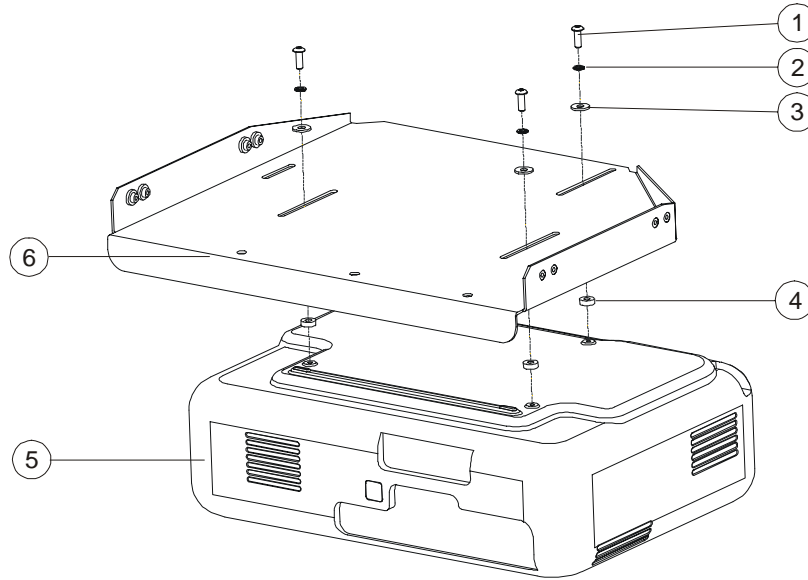
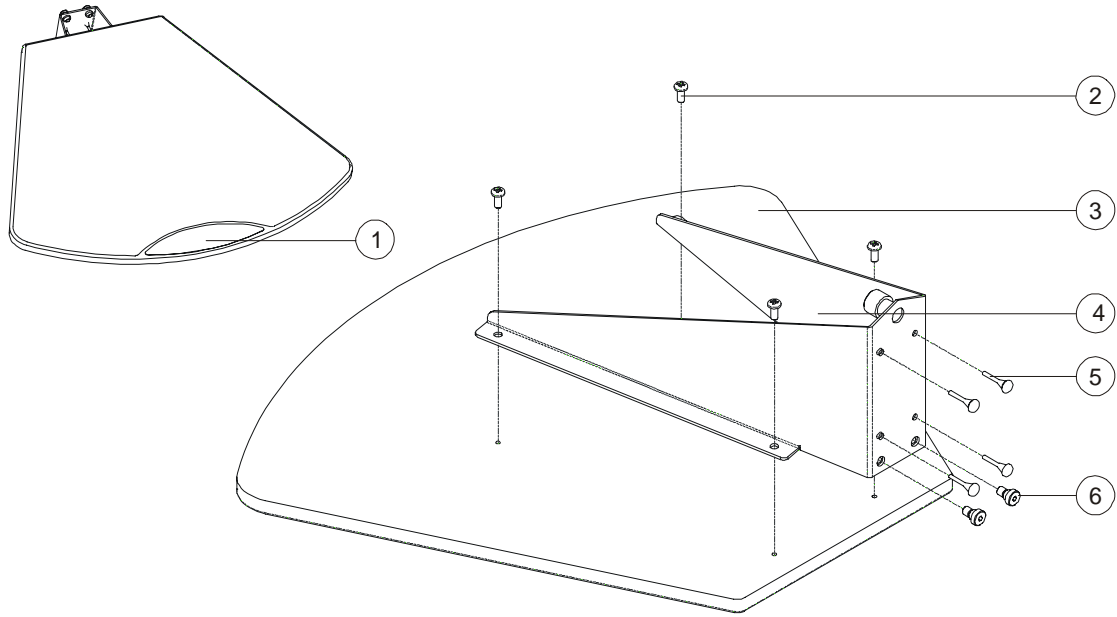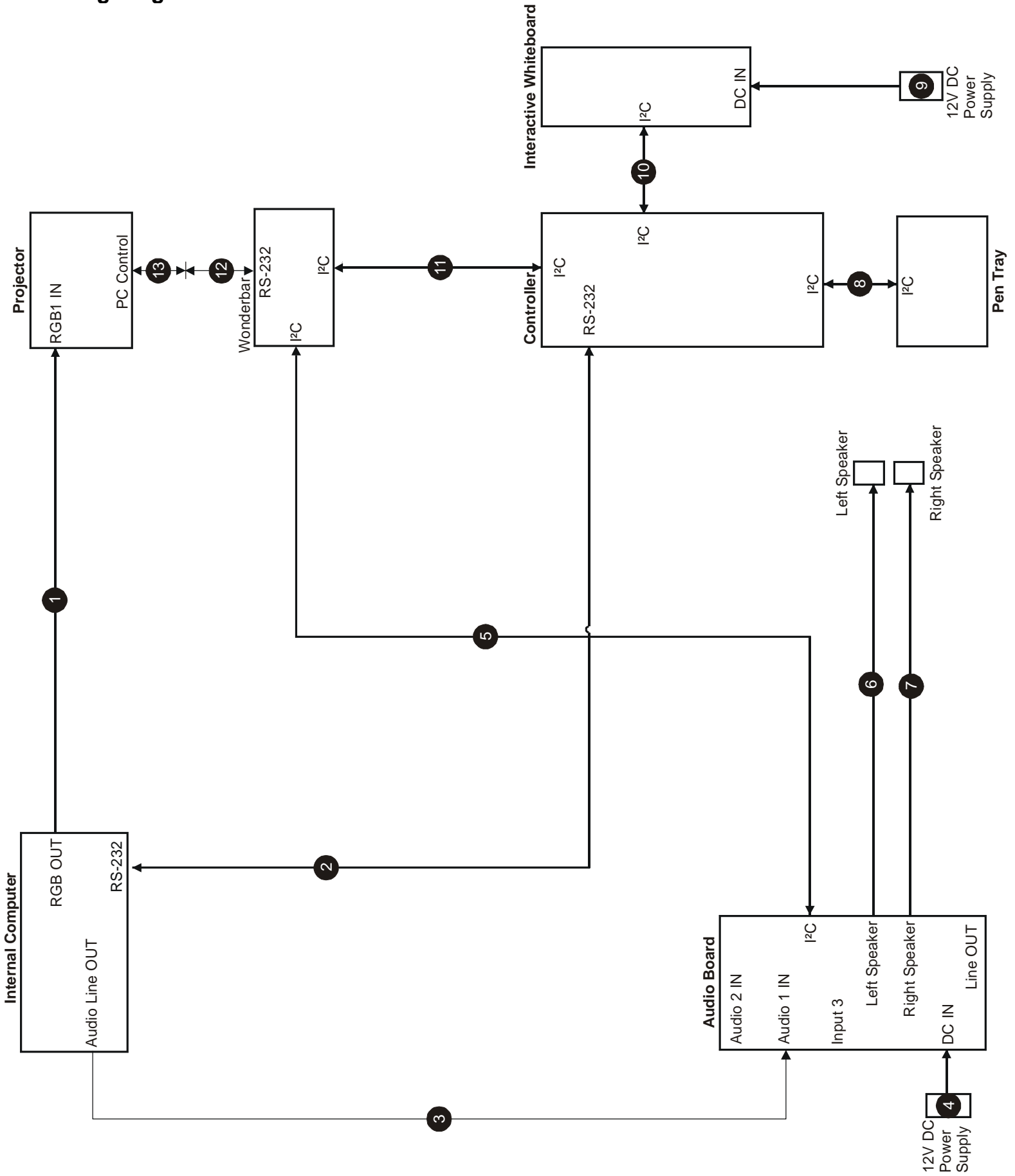| Item	Part No.	Qty	Description
1	30-00866	4	Screw, M4 × 12 mm, button head, security, TORX
2	30-451	4	Washer, M4, lock
3	30-00756	4	Washer, M4, flat, fender
4	30-00863	3	Spacer, brass, nickel plated
5	FRU-NECVT465	1	Projector, NEC VT465. Does not come with accessories, projector mounting plate or hardware. Call technical support to discuss repair or replacement options.
6	51-00358-00	1	Plate, projector, mounting, bottom, NEC VT465
Not shown	03-00047	1	Projector, NEC VT465, comes with accesories. Does not come with projector mounting plate or hardware. Call technical support to discuss repair or replacement options.
Not shown	01-00151	1	Lamp, VT60LP, standard lamp for the NEC VT465 projector
Not shown	XP20-2000i-B	1	Optional X-Port™ 20 data switching kit for the 2000i-DVS with the NEC VT465 projector
Not shown	FRU-WBAR-V.4	1	Wonderbar, firmware version 4.0.1.2 for the NEC VT465 projector

NEC VT470 Projector and Bottom Mounting Plate
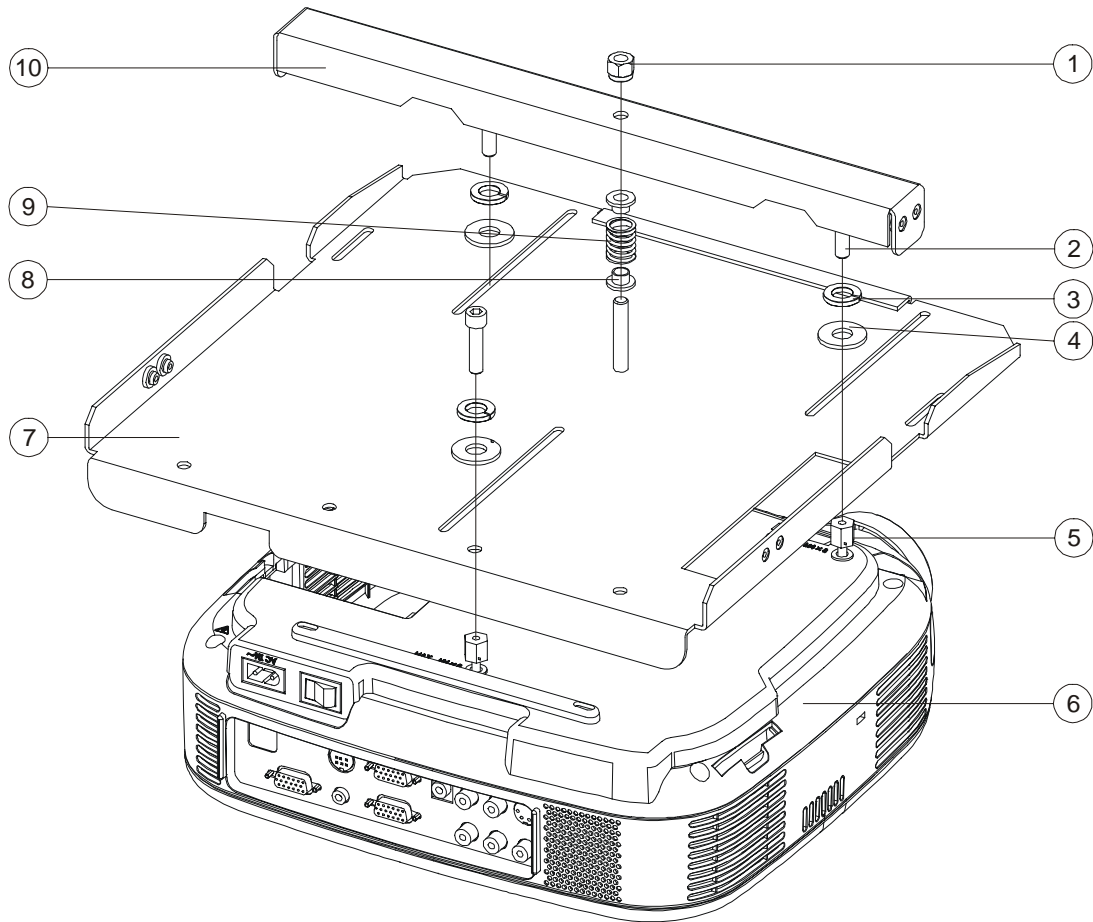
Item	Part No.	Qty	Description
1	30-00909	3	Spacer, M4 × 10 mm, male to female, hex
2	30-00866	3	Screw, M4 × 12 mm, button head, security, TORX
3	30-451	3	Washer, M4, lock
4	30-00756	3	Washer, M4, fender, flat
5	30-00863	3	Spacer, brass, nickel plated
6	FRU-VT470	1	Projector, NEC VT470. Does not come with accessories, projector mounting plate or hardware. Call technical support to discuss repair or replacement options.
7	51-00441-00	1	Plate, projector, mounting, bottom, NEC VT470
8	30-362	2	Washer, 1/4", shoulder, nylon
9	30-00798	1	Spring, 7/16" × 15/16"
10	51-00447-00	1	Bar, adjustment, projector, NEC VT470
Not shown	03-00063	1	Projector, NEC VT470, comes with accesories. Does not come with projector mounting plate or hardware. Call technical support to discuss repair or replacement options.
Not shown	01-00161	1	Lamp, 180W, standard lamp for the NEC VT470 projector
Not shown	XP20-2000i-C	1	Optional X-Port 20 data switching kit for the 2000i-DVS with the NEC VT470 projector
Not shown	FRU-WBAR-V.1N	1	Wonderbar, firmware version 1.0.0.2 for the NEC VT470 projector

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

Cables

Item	Part No.	Ref. No.	Description
1	93-180-00	V01	Cable, video, HD15 male to HD15 male, 10' (3.0 m)
2	93-082	C03	Cable, serial, DB9 male to DB9 female, 10' (3.0 m)
3	93-075	A01	Cable, audio, 3.5 mm male to 3.5 mm male, 10' (3.0 m)
4	60-016	DC01	Power supply, 12V DC, 4.2A, switching
5	93-00414-00	C06	Cable, I²C, MOD6 to MOD6, 6' (1.8 m)
6	93-00408-00	A02	Cable, audio, common speaker wire, 4'2" (1.3 m)
7	93-00408-00	A03	Cable, audio, common speaker wire, 4'2" (1.3 m)
8	93-00416-00	C05	Cable, I²C, 10 pin ribbon, 6'10" (2.1 m)
9	60-016	DC02	Power supply, 12V DC, 4.2A, switching
10	93-00355-01	C01	Cable, I²C, MOD8 to MOD8, 4'6 1/2" (1.4 m)
11	93-00417-00	C02	Cable, I²C, 4 pin to 4 pin, 6'8" (2.0 m)
12	93-00385-00	C04	Cable, serial, DB9 female to DB9 female, 8' (2.4 m)
13	93-00450-01	C11	Cable, serial, DB9 male to mini DIN8 male, 12" (30.5 cm)

Accessories

Part No.	Qty	Description
78-00029	1	Hex key, TR-20, security, short arm, TORX
78-0037	1	Driver, 7/16", nut
78-018	1	Hex key, 5/32"
99-00530	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
SB572-029-03-02	1	Eraser cup, silver
STYF-00009-00	1	Whisper-tip™ styluses, black nib. Set of four (green, red, blue and black).
USB-ADP	1	Cable, USB, DB9 male to USB, 2'6" (76.2 cm)

* These are optional accessories for the *Rear Projection* SMART Board 2000i-DVS interactive whiteboard. They are not part of the cabinet's standard equipment.