Rear Projection
SMART Board™

DViT™
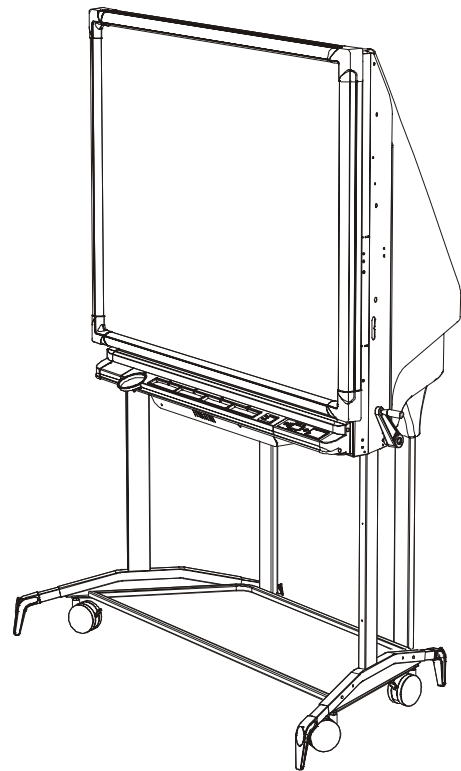
Service Parts Diagrams

For Model:
2000i-DVX with the NEC VT595
Serial numbers 2000i-DVX-R1-25000 and higher
Serial numbers 2000i-DVX-R2-20000 and higher

Service Parts Diagrams Revision History

Revision 1 - August, 2007

- New document

Revision 2 - November, 2009

- Change 60-00035-20 to 60-00051-20

Standard Warranty Terms

Cabinet and Screen: 2 years
Projector: 2 years or equivelant to 8 hours a day 5 days a week
Lamp: 90 days or 500 hours
Accessories: 1 year

First Customer Ship: January, 2007

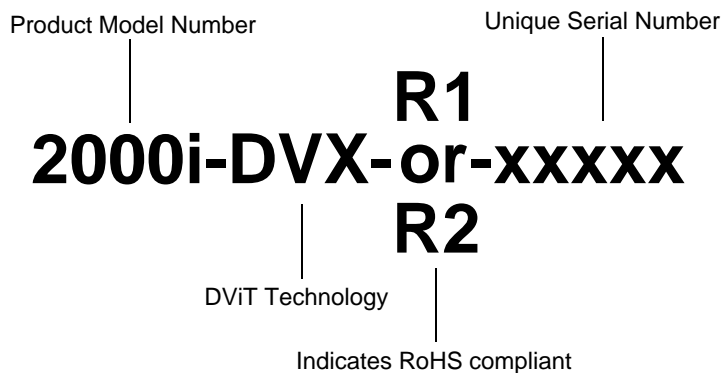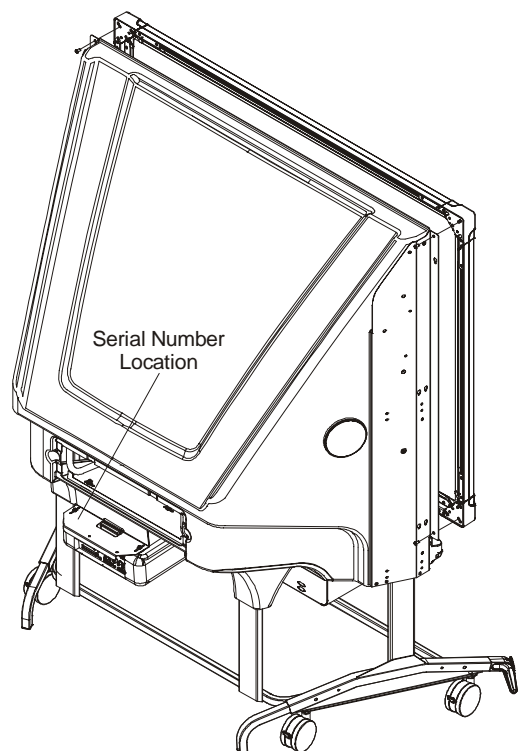# Service Parts Diagrams for the *Rear Projection* SMART Board™ 2000i-DVX Interactive Whiteboard

Service Parts Diagrams for the Rear Projection SMART Board 2000i-DVX Interactive Whiteboard

Identifying Your Product Using the Serial Number

To make sure you have the correct service parts diagrams, you must verify the serial number of your SMART product.

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

R1
2000i-DVX-or-xxxxx
R2

Serial Number Location

DViT Technology

Indicates RoHS compliant

For RoHS compliant (Europe) models, the serial number will match this format: 2000i-DVX-R1-xxxxx.

For RoHS compliant (Europe and China) models, the serial number will match this format: 2000i-DVX-R2-xxxxx.

To Order Parts

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

For specific technical and pricing enquiries in regards to these diagrams please contact our service parts department.
Pricing is also available on-line via the SOURCE website (source.smarttech.com)

E-mail: serviceparts@smarttech.com
Phone: 1.888.42.SMART
International: +1.403.245.0333

Major Components
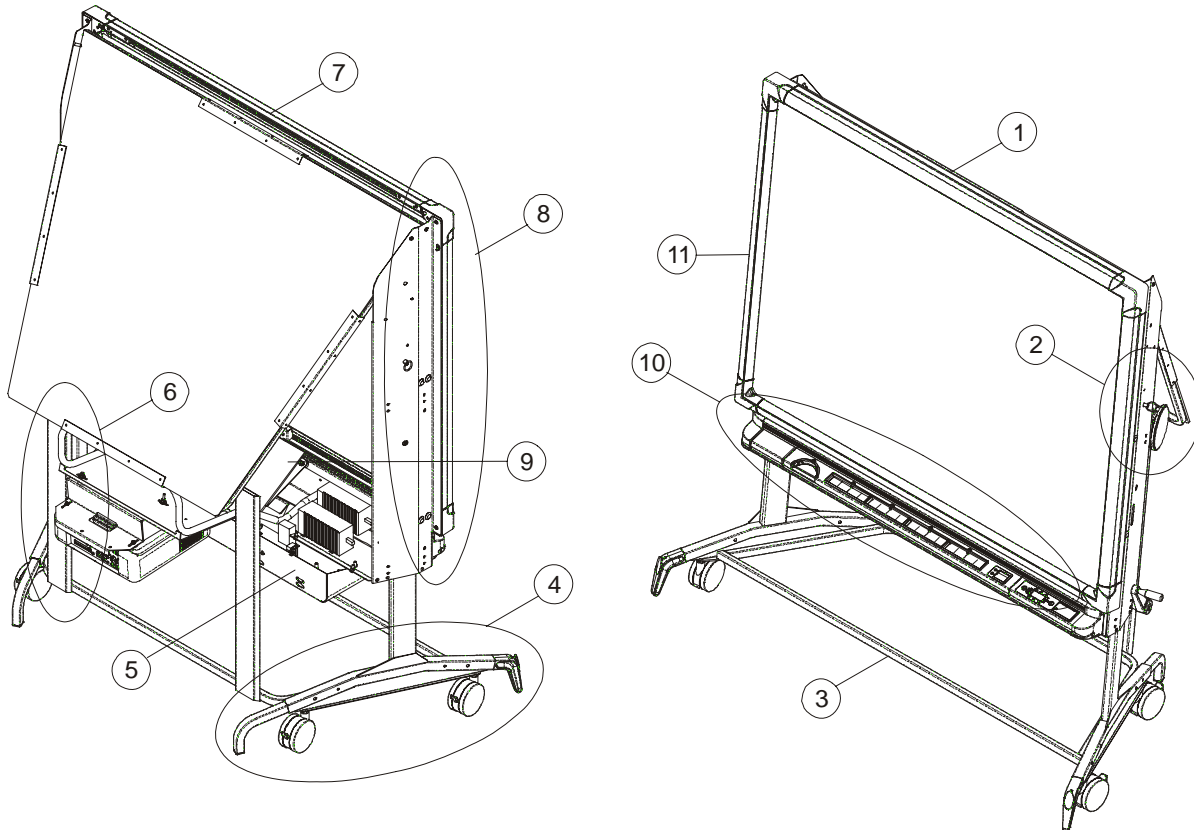
Item	Description
1	Rear assembly
2	Speakers
3	Undercarriage and casters
4	Leg assembly
5	Electronics tray
6	Vertical stabilizers **NOTE:** May not be applicable to your product.
7	Large mirror assembly
8	Frame assembly
9	Small mirror assembly
10	Pen tray
11	*Rear Projection* SMART Board interactive whiteboard
Not shown	Laptop shelf

Rear Assembly

Rear cover hooked onto large mirror

Both sides

This diagram shows a rear view

Four Places
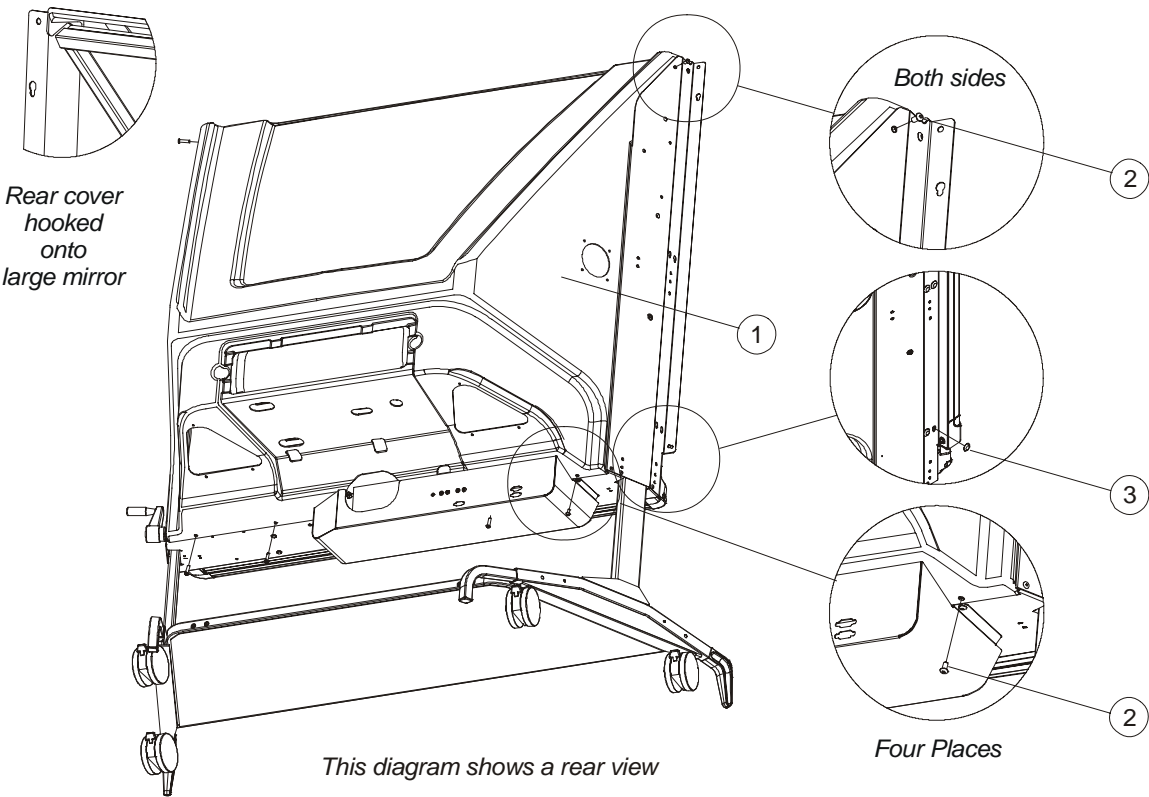
Item	Part No.	Qty	Description
1	52-00161-20	1	Cover, back **NOTE:** For 2000i products without vertical stabilizers.
2	30-287	6	Screw, 1/4"-20 × 1/2", hex, button head
3	30-431	8	Plug, 1/2", plastic

Speakers

Viewed from inside the cabinet

Viewed from the outside of the cabinet

This diagram shows a rear view
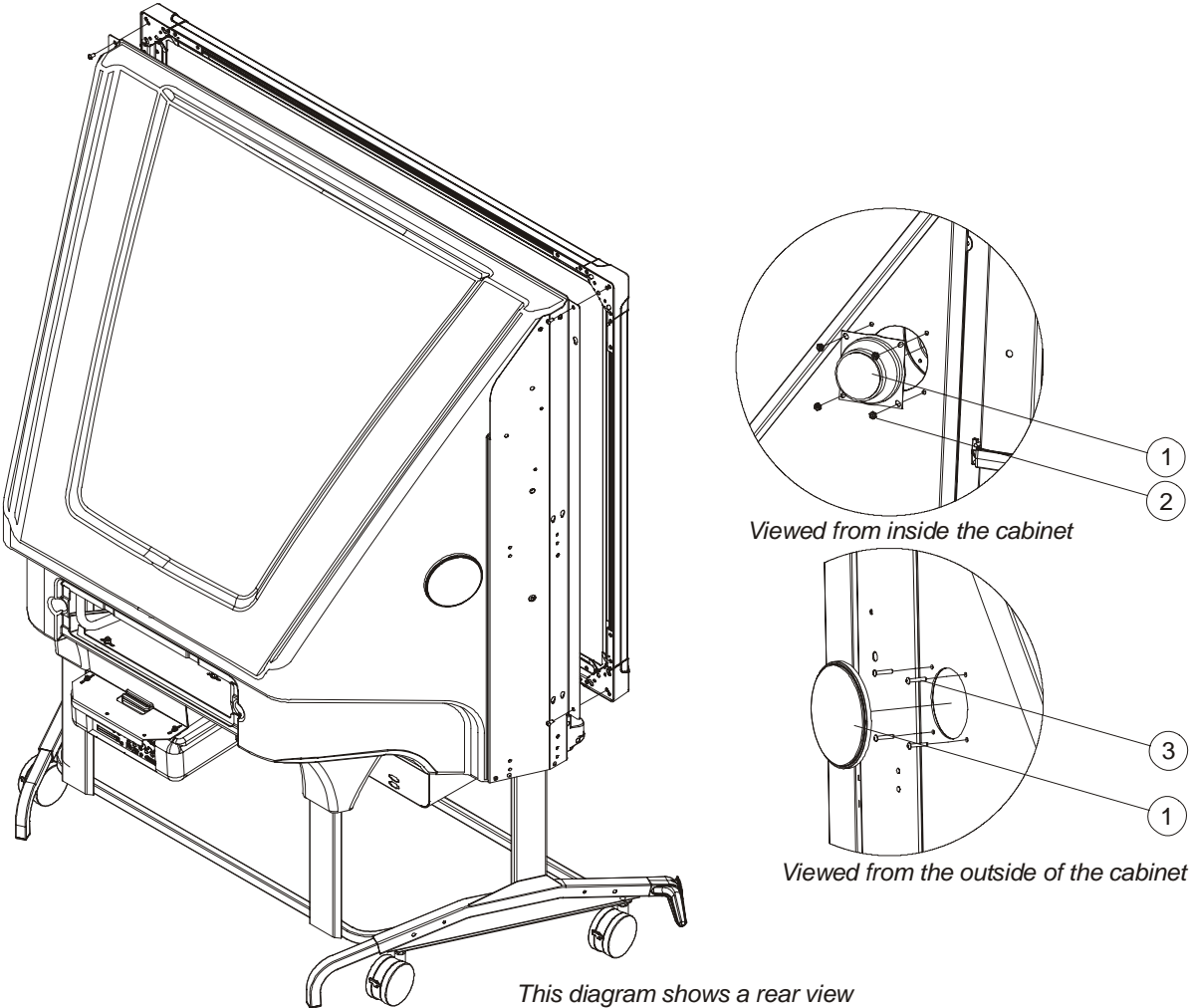
Item	Part No.	Qty	Description
1	03-00066	1	Speaker, 80W, 4" diameter, with grill, pair
2	30-00288-20	8	Nut, 8-32, hex, locking, nylon
3	30-00738	8	Screw, 8-32 x 1", hex, button head

Undercarriage and Casters
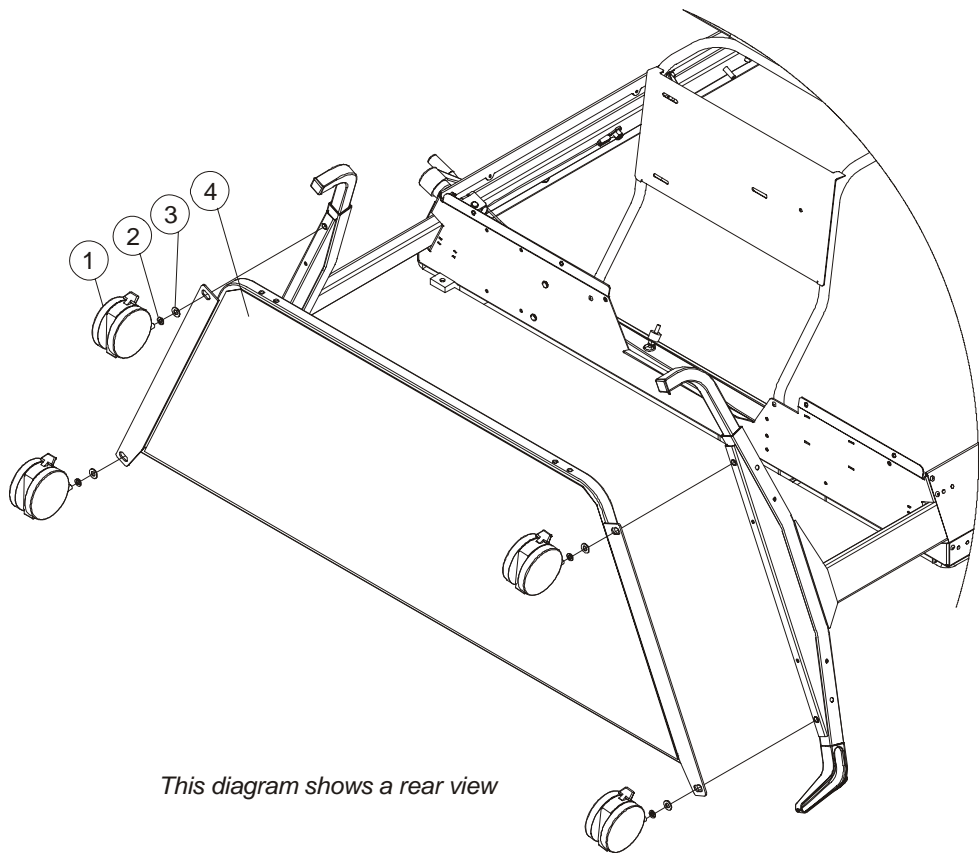
This diagram shows a rear view

Item	Part No.	Qty	Description
1	10-00020	4	Caster, 4", locking, 3/8"-16 × 3/4" post
2	30-00253-20	4	Washer, 3/8", split, lock
3	30-00645-20	8	Washer, 13/32", flat **NOTE**: Two washers required per caster.
4	51-00275-02	1	Basket

Leg Assembly

This diagram shows a rear view
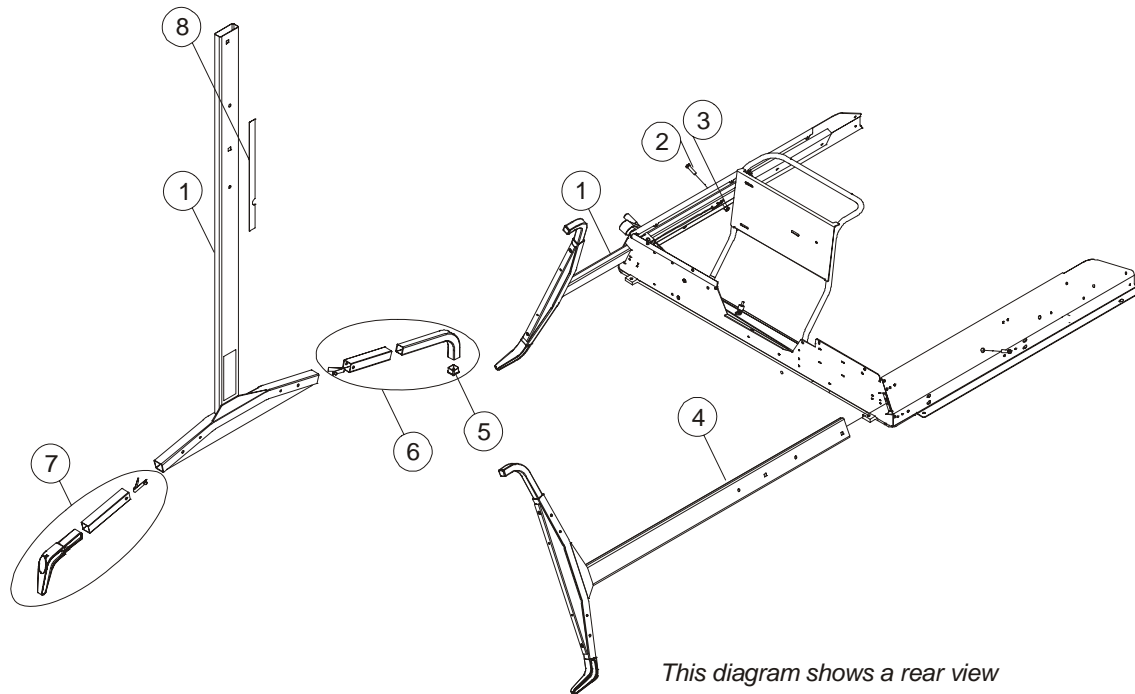
Item	Part No.	Qty	Description
1	51-00289-01	1	Leg, left, viewed from the rear
2	30-00800	2	Screw, 3/8"-16 × 1 1/2", hex, cap head, low profile
3	30-00768-20	2	Nut, 3/8"-16, hex, top distortion, prevailing torque
4	51-00290-01	1	Leg, right, viewed from the rear
5	30-00850	2	Plug, 1", rubber
6	FRU-2i-TFB	2	FRU, tip foot, rear, assembly
7	FRU-2i-TFF	2	FRU, tip foot, front, assembly
8	43-00959-20	1	Label, height adjustment
Not Shown	43-01013-20	1	Label, tip foot caution

Electronics Tray

Note hinge orientation
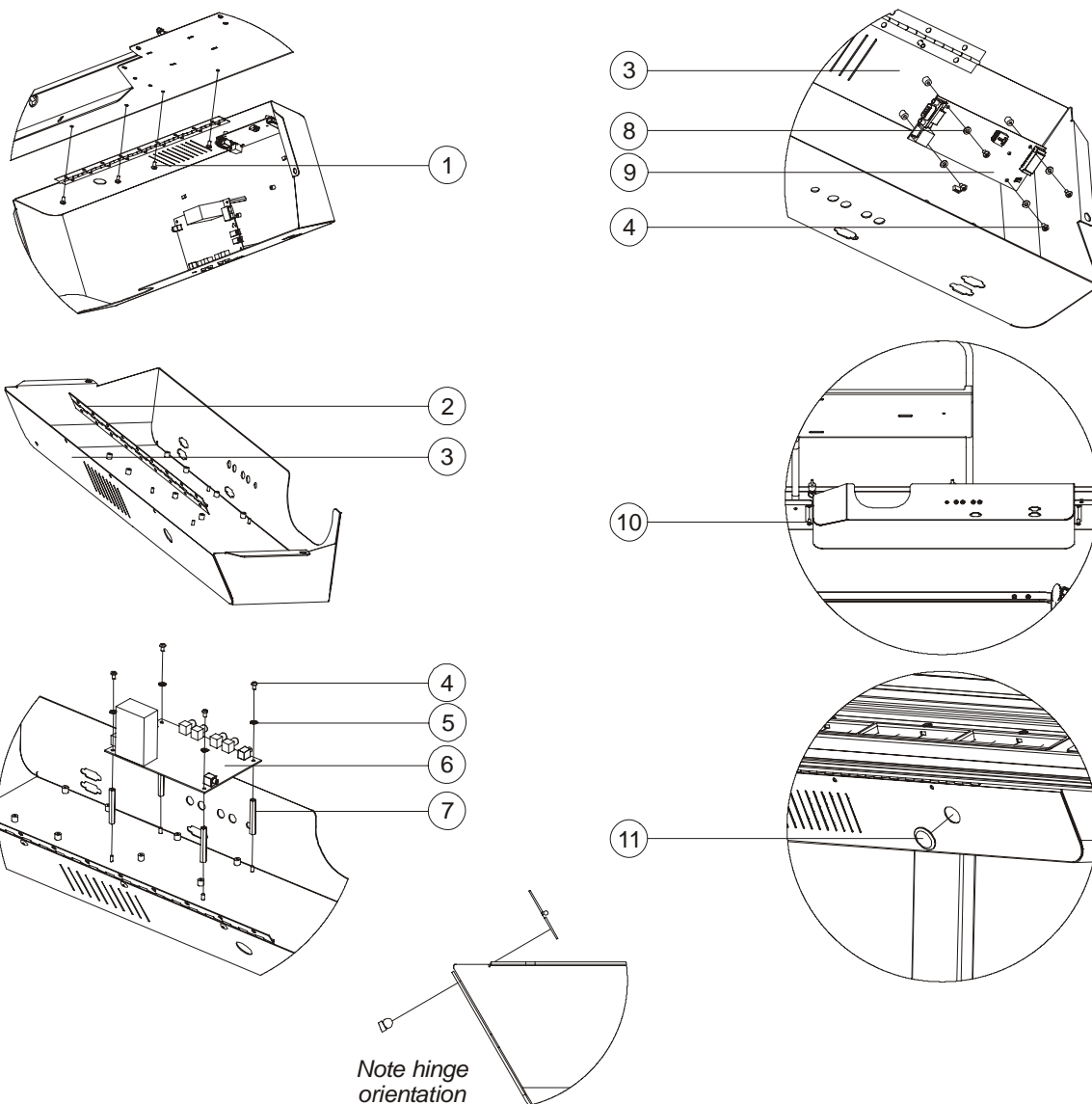
Item	Part No.	Qty	Description
1	30-00654-20	4	Screw, 10-32 × 3/8", Phillips, pan head
2	51-00317-20	1	Hinge, 18", piano
3	51-00291-03	1	Tray, electronics, bare
4	30-00520-20	8	Screw, 6-32 × 1/4", pan head
5	30-00386-20	4	Washer, No. 6, star tooth
6	FRU-MIXER-XP20	1	FRU. amplifier, audio mixer
7	30-00818-20	4	Standoff, 6-32 × 1/4" × 1 3/4", threaded
8	30-00826	4	Washer, No. 6, flat, nylon
9	FRU-DV-SC8-x	1	FRU, replacement serial controller **NOTE:** Call Technical Support for firmware version verification.
10	30-287	2	Screw, 1/4"-20 × 1/2", hex, button head
11	30-00797	1	Plug, 7/8", snap-in

Vertical Stabilizers (may not apply to your product)
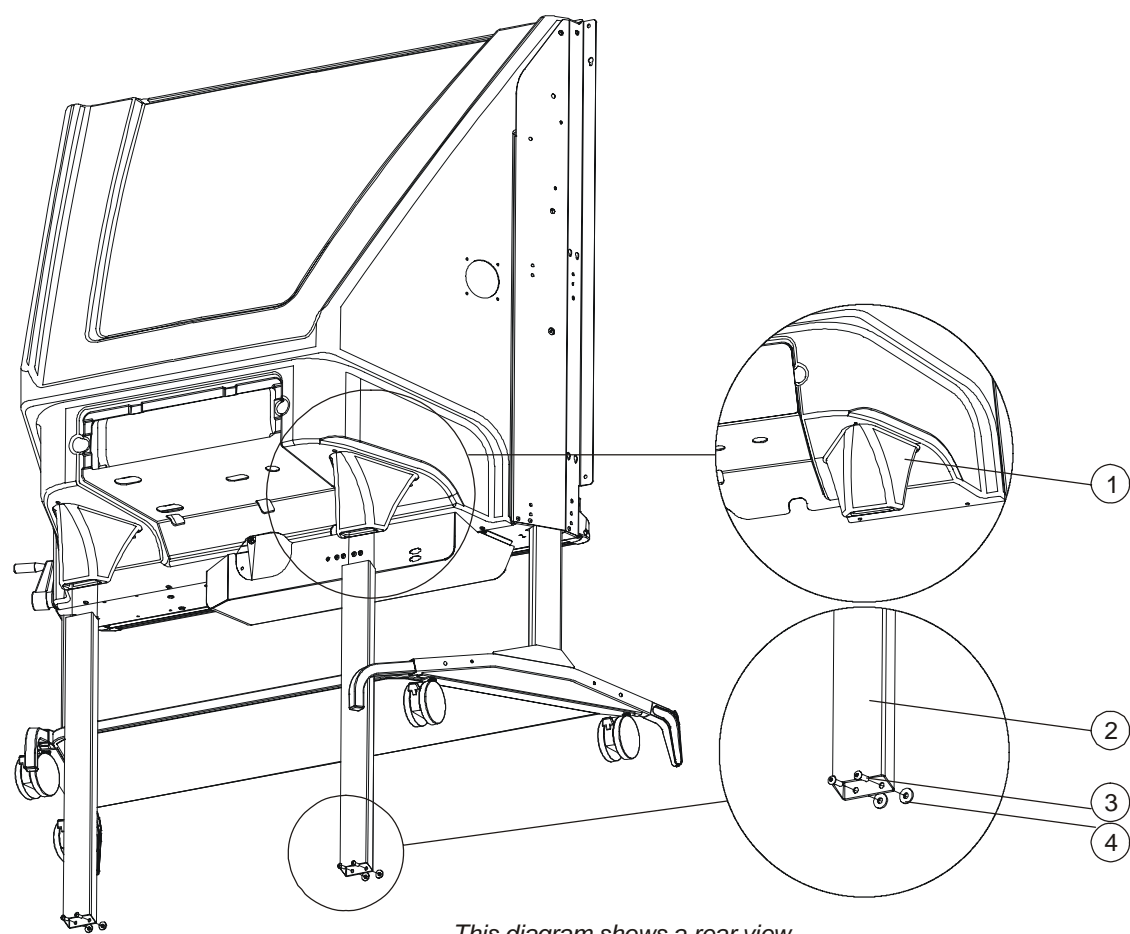
This diagram shows a rear view

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", neoprene

Large Mirror Assembly
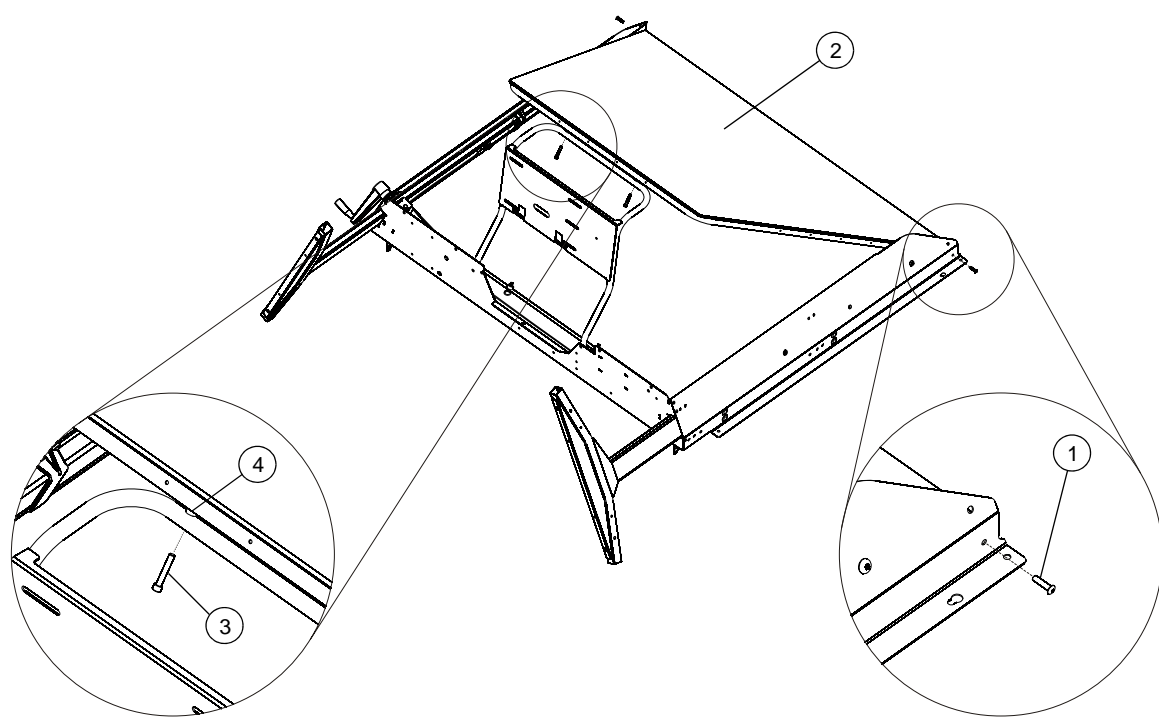
Item	Part No.	Qty	Description
1	30-00851	2	Screw, 1/4"-20 × 1", hex, button head
2	20-00379-20	1	Mirror, large, assembly
3	30-00954	2	Screw, 1/4" × 1 1/2" hex, cap head, locking, nylon
4	30-00947	2	Spacer, brass, 1/4" inside diameter × 3/16" thick

Frame Assembly

Assembled as above 5

Assembled as above 4
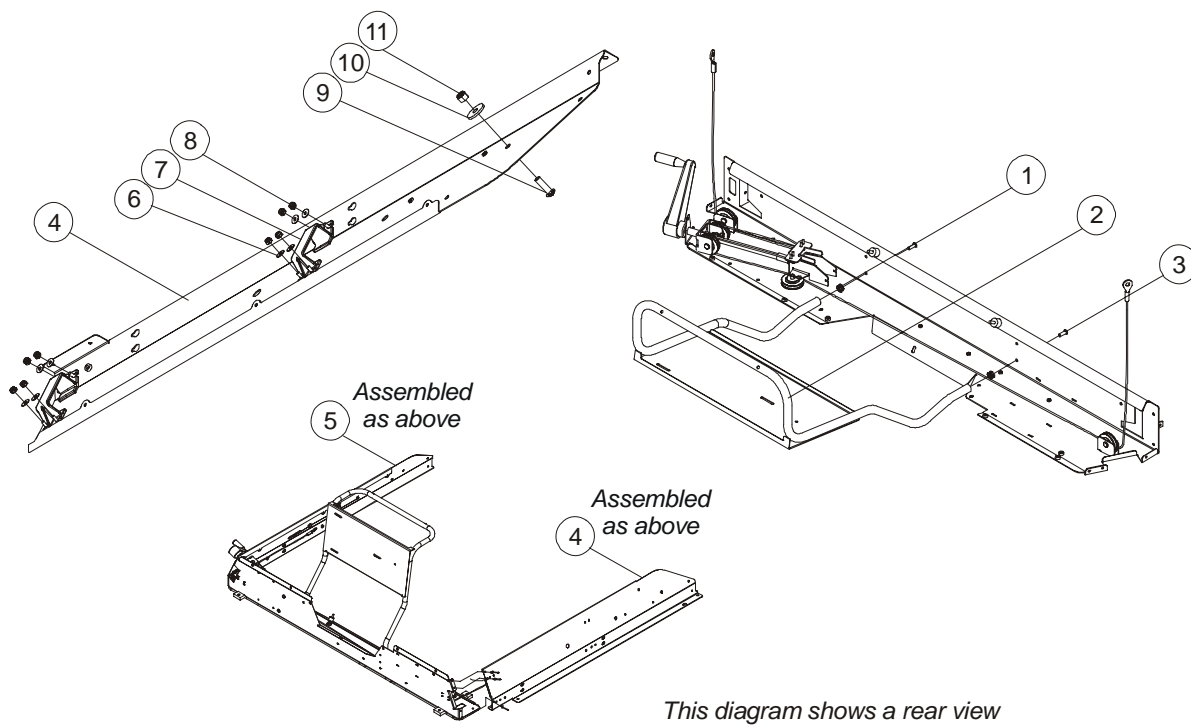
This diagram shows a rear view

Item	Part No.	Qty	Description
1	30-00799-20	2	Connector, tube
2	51-00274-04	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	30-00079-20	16	Nut, 10-32, locking, nylon
9	30-433	2	Screw, 3/8"-16 × 1 1/4", hex, button head
10	30-00242-20	2	Washer, 3/8", flat
11	30-00110-20	2	Nut, 3/8"-16, hex, locking, nylon

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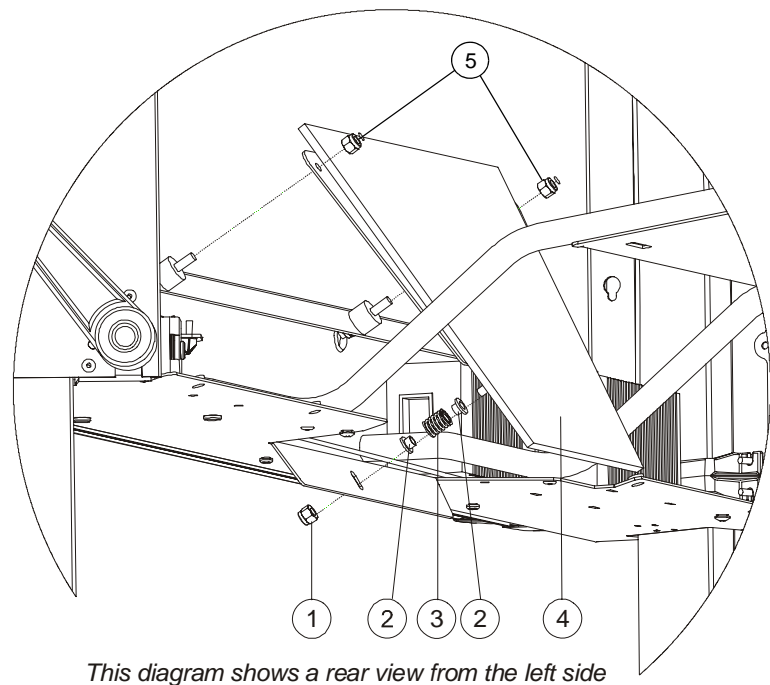
This diagram shows a rear view from the left side

Item	Part No.	Qty	Description
1	30-00116-20	1	Nut, 1/4"-20, hex, locking, nylon
2	30-362	2	Washer, 1/4", shoulder, nylon
3	30-00798-20	1	Spring, 7/16" × 15/16"
4	20-00380-20	1	Mirror, small, assembly
5	30-00597-20	2	Nut, 1/4"-20, hex, locking, K-Lok

Pen Tray
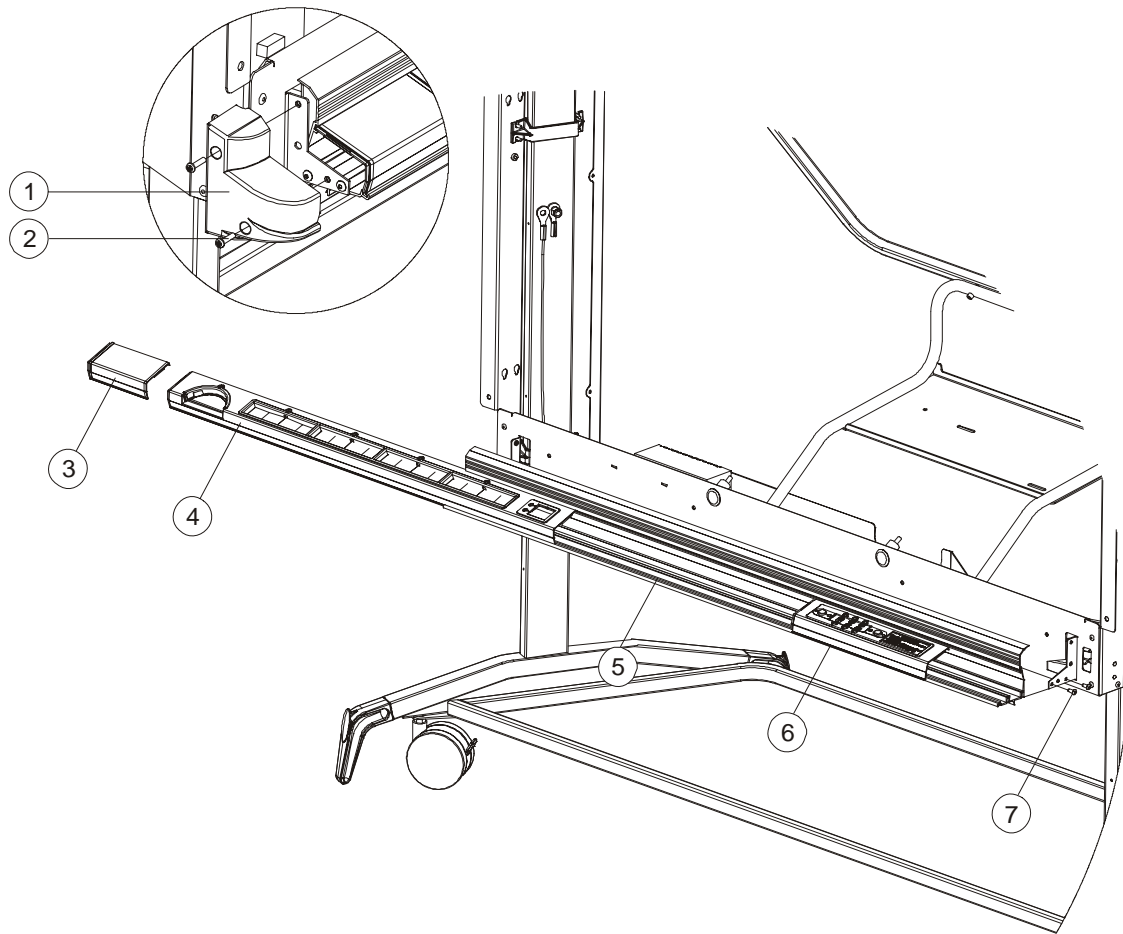
Item	Part No.	Qty	Description
1	SJ67-107-01-01	1	End cap, left, pen tray, silver
1	SJ67-108-01-01	1	End cap, right, pen tray, silver
2	30-00436-20	4	Screw, 8-32 × 3/8", Phillips, pan head
3	SB560-030-01-01	1	Spacer, pen tray, silver
4	FRU-PT10-SILVER	1	FRU, pen tray, silver **NOTE:** Does not include the controller or control panel cover.
5	51-00299-01	1	Extrusion, pen tray
6	FRU-CONTROLP-VT2	1	FRU, cover, control panel, 2000i
7	30-180	4	Screw, 10-32 × 1/2", hex, cap head

Front View of Interactive Whiteboard (Part No. FRU-RB467-x)
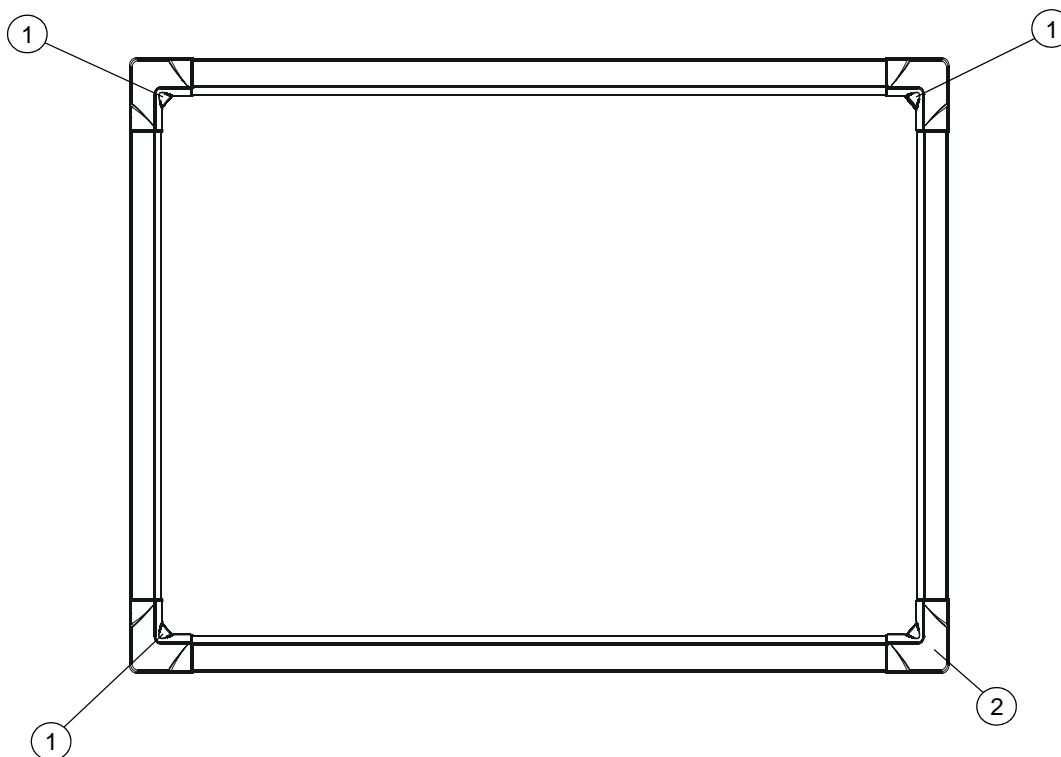
Item	Part No.	Qty	Description
1	FRU-DV-CAMx-y	3	FRU, camera, DViT **NOTE:** Call Technical Support for firmware version verification.
2	52-00153-00	4	Corner cap, outer, silver
Not shown	FRU-LED-67	1	FRU, LED replacement strips, all four sides
Not shown	FRU-LED-67L	2	FRU, LED replacement strip, long
Not shown	FRU-LED-67S	2	FRU, LED replacement strip, short
Not shown	93-00425-20	1	Cable, MOD8 to MOD8, 3' 11" (1.2 m) **NOTE:** Connects the bottom right camera to the hub, viewed from the rear.
Not shown	93-00426-20	1	Cable, MOD8 to MOD8, 4' 11" (1.5 m) **NOTE:** Connects the top left camera to the hub, viewed from the rear.
Not shown	93-00427-20	1	Cable, MOD8 to MOD8, 7' 5" (2.3 m) **NOTE:** Connects the top right camera to the hub, viewed from the rear.

Rear View of Interactive Whiteboard (Part No. FRU-RB467-x)
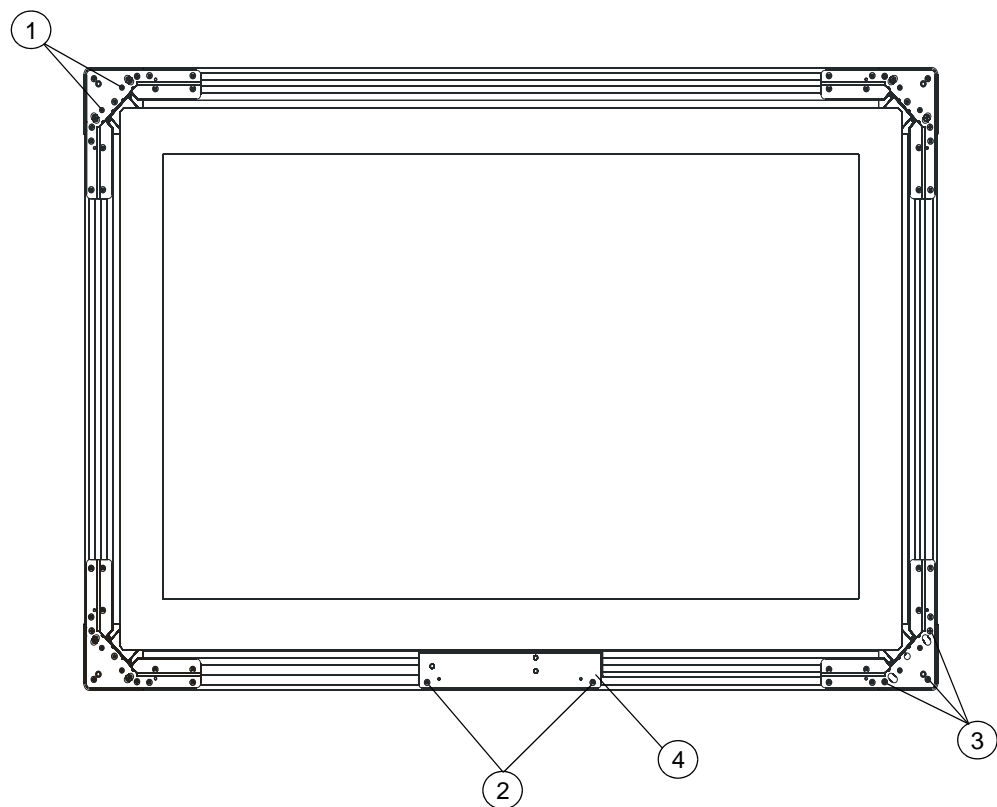
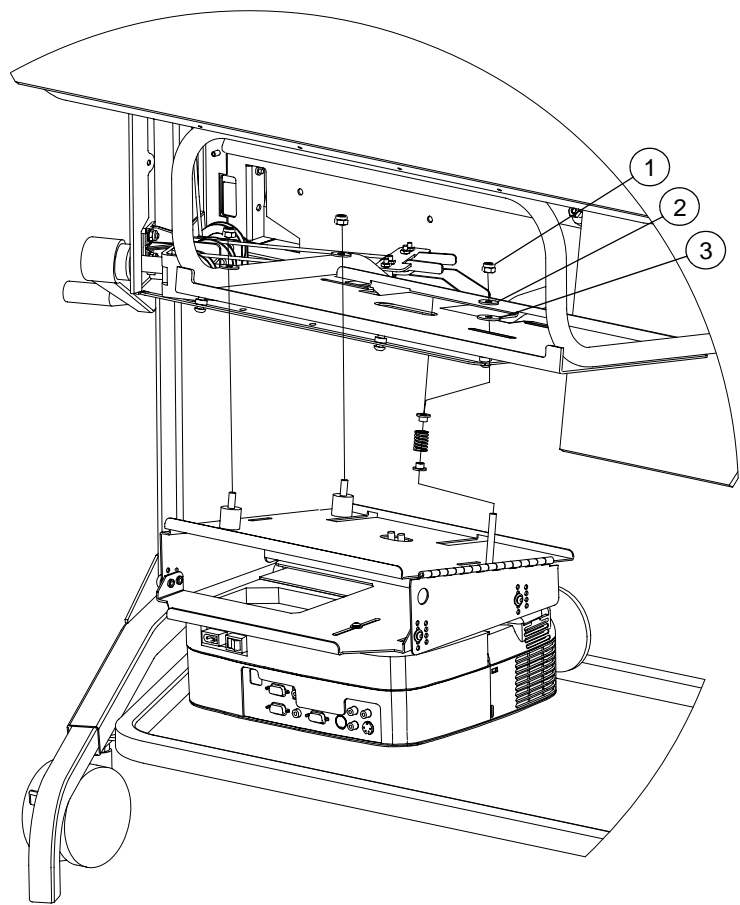| Item	Part No.	Qty	Description
1	30-00885	8	Screw, 8-32 × 3/8", Phillips, flat head, undercut **NOTE:** For attaching cameras.
2	30-00653-20	2	Screw, 10-32 × 3/8", square recess, flat head **NOTE:** For attaching hub.
3	30-00719-20	12	Screw, No. 10 × 3/4", Phillips, flat head, for plastics **NOTE:** For attaching corner caps.
4	FRU-DV-HUB1	1	FRU, hub, assembly

Projector Top Mounting Plate for NEC VT595
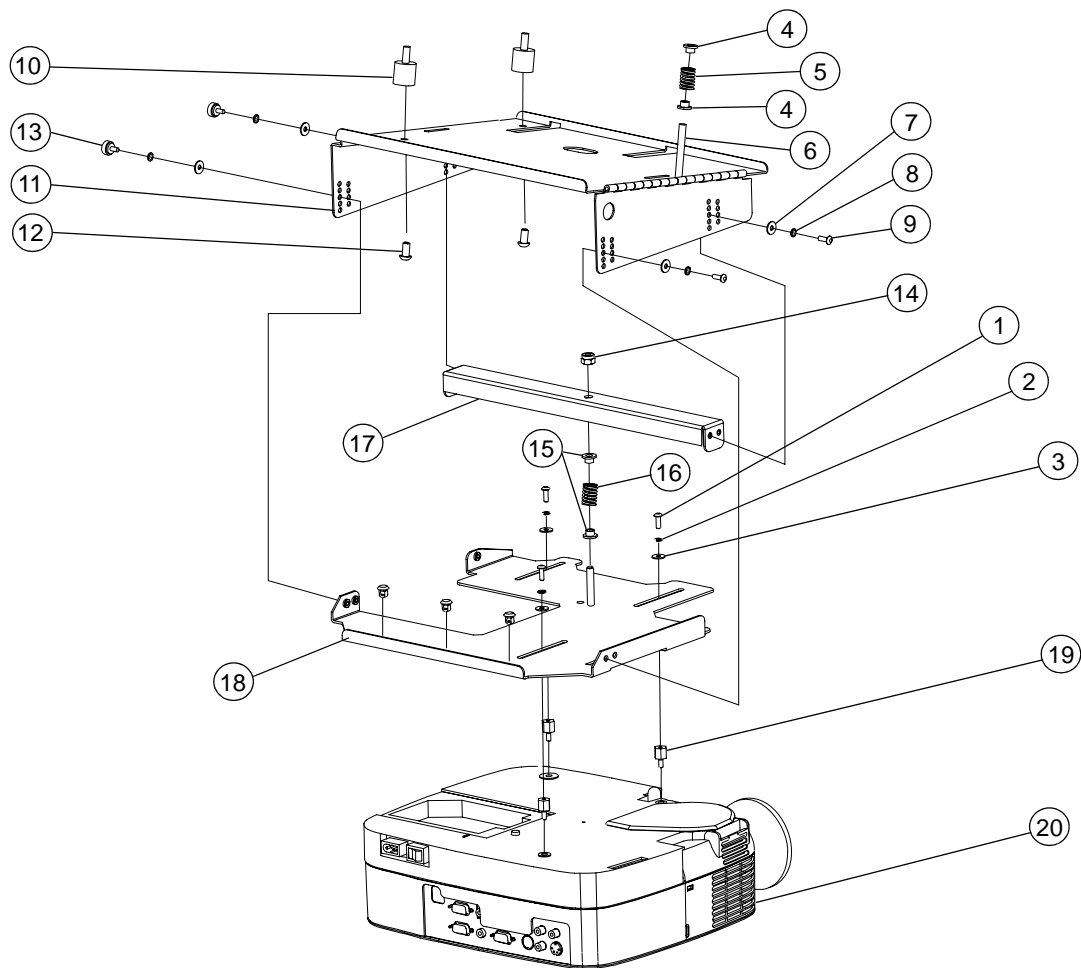
Item	Part No.	Qty	Description
1	30-00866	3	Screw, M4 × 12 mm, TORX™, security, button head
2	30-00451-20	3	Washer, M4, split, lock
3	30-00756	3	Washer, M4, fender
4	30-362	2	Washer, 1/4", shoulder, nylon
5	30-00434-20	1	Spring, 1 1/2" × 15/32"
6	30-00636-20	1	Bolt, 1/4"-20 × 2 1/4", hex
7	30-00756	4	Washer, M4, fender
8	30-00451-20	4	Washer, M4, split, lock
9	30-00866	2	Screw, M4 × 12 mm, TORX®, security, button head
10	30-00439-20	2	Mount, vibration
11	51-00581-00	1	Plate, top, hinged, projector, NEC VT595
12	30-287	2	Screw, 1/4"-20 × 1/2", hex, button head
13	30-00737	2	Screw, thumb, M4 × 12 mm
14	30-00116-20	1	Nut, 1/4"-20, locking, nylon
15	30-362	2	Washer, 1/4", shoulder, nylon

16	30-00798-20	1	Spring, 7/16" × 15/16"
17	51-00447-02	1	Bar, adjustment, VTx70, VT676, and VT595 projector
18	51-00582-00	1	Plate, bottom, VT595 projector
19	30-00909	3	Spacer, M4 × 10 mm, male-female, hex
20	FRU-NEC595	1	Projector, NEC VT595 **NOTE:** Does not include accessories, projector mounting plate or hardware. Call Technical Support to discuss repair or replacement options.
Not shown	FRU-WBAR-Nx70	1	FRU, Wonderbar, firmware version 1.x for NEC VTx70 and VT676 projectors
Not shown	57-030-01	1	Strap, nylon, with buckle, 4'10" (1.5 m) **NOTE:** Used to strap projector to bottom plate (51-00582-00).

NEC VT595 Projector and Bottom Mounting Plate
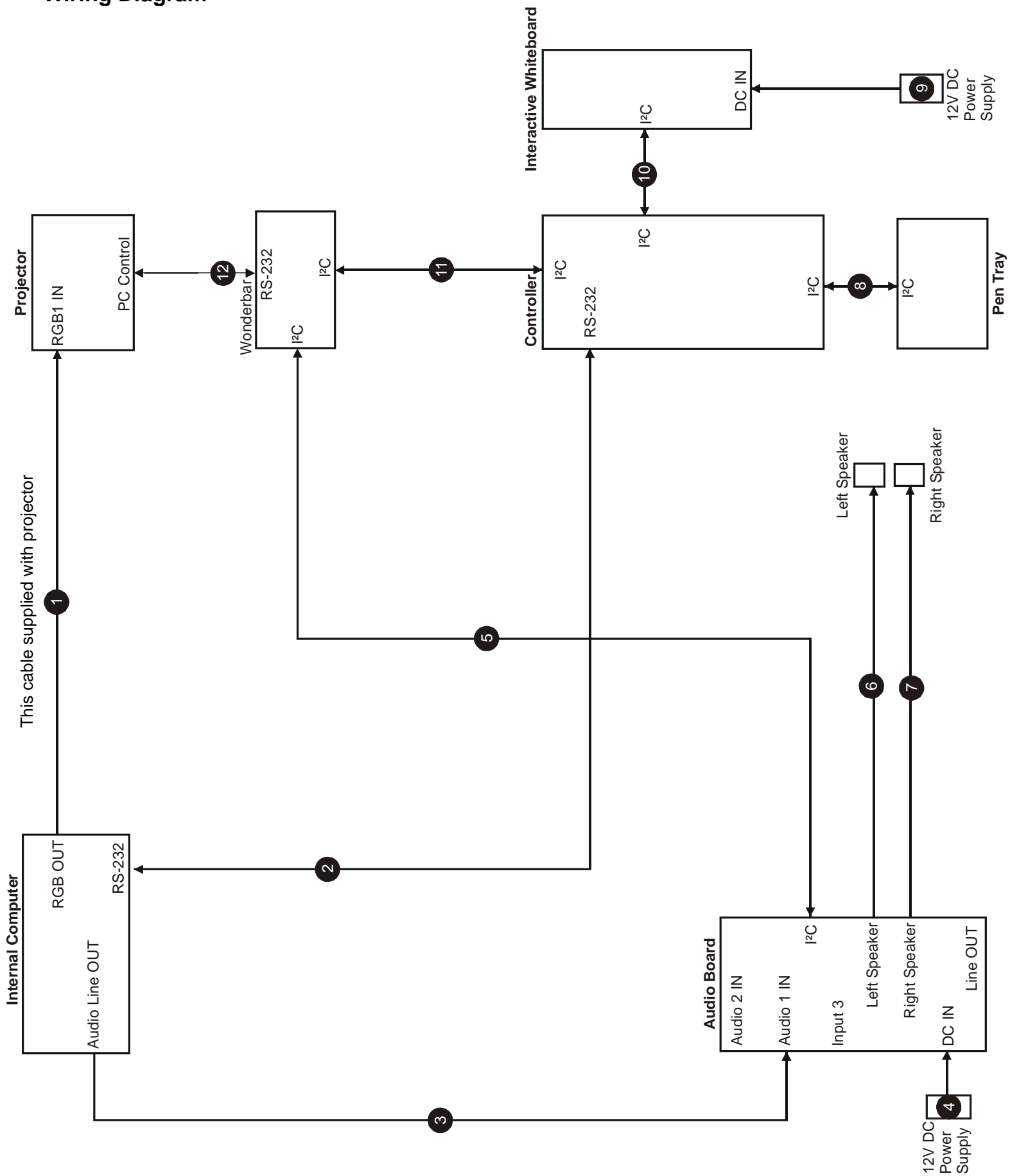
Item	Part No.	Qty	Description
1	30-00116-20	3	Nut, 1/4"-20, locking, nylon
2	30-00365-20	3	Washer, 1/4", fender
3	30-441	1	Washer, 1/4", flat, nylon

Laptop Shelf (Part No. 2000i-VC1)
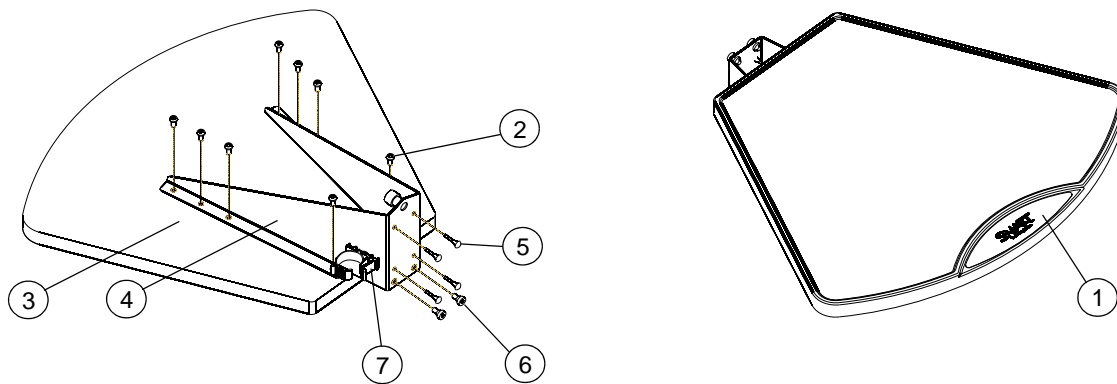
Item	Part No.	Qty	Description
1	43-00299-20	1	Label, laptop shelf
2	30-00837-20	8	Screw, No. 8 × 3/8", Phillips, pan head, high/low thread
3	52-00169-02	1	Shelf, laptop, large
4	51-00295-02	1	Bracket, laptop, shelf
5	30-407	4	Bumper, RB126, rubber
6	30-00429-20	2	Screw, 10-32 × 1/2", hex, shoulder head
7	30-01037-20	1	Kwik Klip, plug, adjustable

Wiring Diagram

Cables

Item	Part No.	Description
1	93-00504-20	Cable, video, HD15 male to HD15 male, 10' (3.1 m)
2	93-00082-20	Cable, serial, DB9 female to DB9 female, 10' (3.1 m)
3	93-00075-20	Cable, audio, 3.5 mm male to 3.5 mm male, 10' (3.1 m)
4	60-00051-20	Power supply, 12V DC, 5.0A, universal switching
5	93-00414-20	Cable, I²C, MOD6 to MOD6, 6' (1.8 m)
6	93-00408-20	Cable, audio, common speaker wire, 4'2" (1.3 m)
7	93-00408-20	Cable, audio, common speaker wire, 4'2" (1.3 m)
8	93-00418-20	Cable, bundle, 4-pin I²C and 10-pin ribbon
9	60-00051-20	Power supply, 12V DC, 5.0A, universal switching
10	93-00355-20	Cable, I²C, MOD8 to MOD8, 4'7" (1.4 m)
11	93-00418-20	Cable, bundle, 4-pin I²C and 10-pin ribbon
12	93-00467-20	Cable, serial, DB9 female to mini Din 8, 9' (2.7 m)
Not shown	93-00582-20	Cable, power, IEC 32-C14 to IEC 320-C7, 3' (91 cm) **NOTE:** Connects the projector power to 93-00439-00.
Not shown	93-00439-00	Cable, power supply, triple IEC female to single IEC male, 10' (3.1 m) **NOTE**: Connects to the two 60-00051-20 power supplies and to the projector power.

Accessory Kit (AK-00052-22)

Part No.	Qty	Description
78-00029	1	Hex key, TORX™
78-00037	1	Driver, 7/16", nut
78-018	1	Hex key, 5/32"
78-00050	1	Hex key, 5/64"
ERA-003	1	Small eraser, comes with eraser barrier
RPEN	1	Pens - set of four (Black, Blue, Red, Green). **Refer to product price list.**
USB-ADP	1	Cable, USB, DB9 male to USB, 2'6" (76.2 cm). **Refer to product price list.**

RPSB2000i-DVX Optional Accessories

Part No.	Qty	Description
01-00227	1*	Projector Lamp, VT85LPE for NEC VT595
03-00101-20	1*	Replacement NEC VT595 Projector with SMART Lens. **NOTE:** Includes accessories, does not include mounting plate or hardware. Call Technical Support to discuss repair or replacement options.
USB-ADP	1*	Cable, USB, DB9 male to USB, 2' 6" (76.2 m) **NOTE:** Does not provide power.
2000I-RCM	1*	Room control module for 2000i
2000I-VC1	1*	Video conferencing shelf for 2000i

* Refer to the product price list.