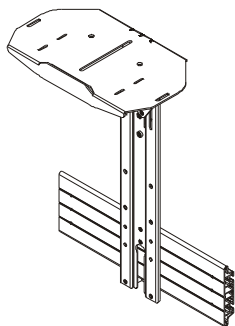# INSTALLATION INSTRUCTIONS
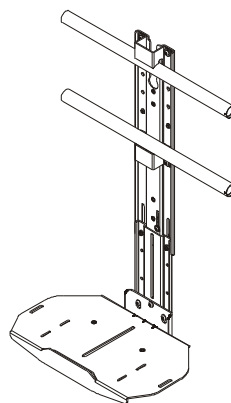
Above Cart/Ceiling
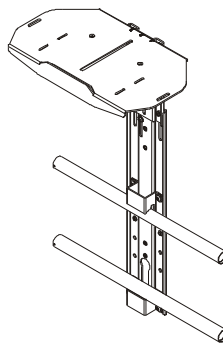
Above Wall
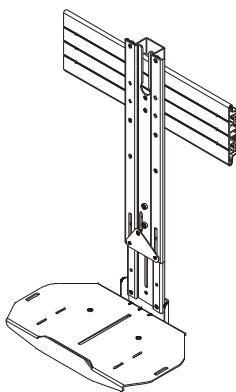
(FCA801 shown)

Below Cart/Ceiling

Below Wall

Fusion™ Large Above/Below Accessory Shelf

CHIEF ®

Our Mounts. **Your Vision.**

FCA800/801

DISCLAIMER

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DEFINITIONS

WARNING: A WARNING alerts you to the possibility of serious injury or death if you do not follow the instructions.

CAUTION: A CAUTION alerts you to the possibility of damage or destruction of equipment if you do not follow the corresponding instructions.

MOUNTING SYSTEM: A MOUNTING SYSTEM is the primary product designed to mount the projector or display.

ACCESSORY: An ACCESSORY is any product designed by Chief® to complement the primary mounting system either by mounting any supporting components or enhancing the mounting capabilities of the primary mounting system.

COMPONENT: A COMPONENT is any secondary product designed to be used with the accessory, i.e. speakers, CPU's, cameras, tablets, additional displays.

⚠ IMPORTANT SAFETY INSTRUCTIONS

⚠ **WARNING:** Failure to read, thoroughly understand, and follow all instructions can result in serious personal injury, damage to equipment, or voiding of factory warranty! It is the installer's responsibility to make sure all components are properly assembled and installed using the instructions provided.

⚠ **WARNING:** Exceeding the weight capacity can result in serious personal injury or damage to equipment! It is the installer's responsibility to make sure the weight mounted to the FCA800/801 shelf does not exceed 10 lbs (4.5 kg).

⚠ **WARNING:** Use of this accessory will decrease the weight capacity of the mounting system to which it is attached by the combined weight of the accessory and all components supported by this accessory! See Figure below for reference.

standard weight limit of mounting system - (weight of FCA800/801 shelf + shelf components)

10 lbs (4.5 kg)
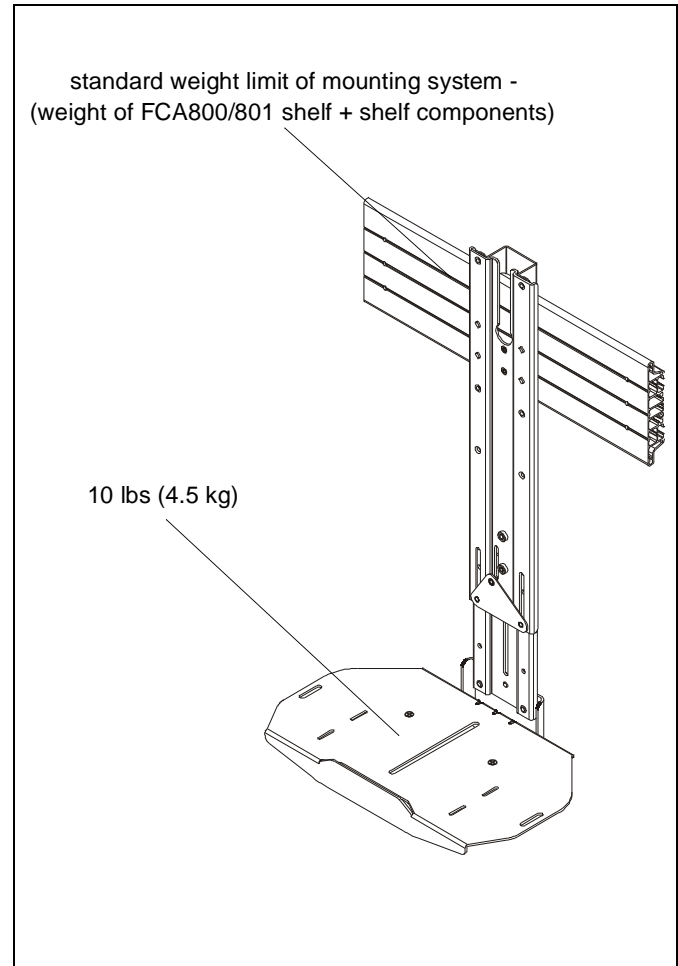
⚠ **WARNING:** Use this accessory only for its intended use as described in these instructions. Do not use attachments not recommended by the manufacturer.

⚠ **WARNING:** Never operate this accessory if it is damaged. Return the accessory to a service center for examination and repair.

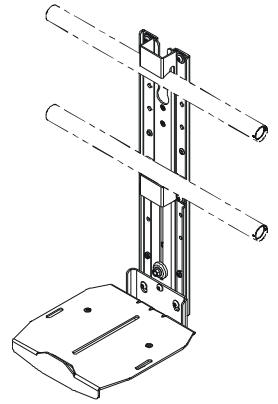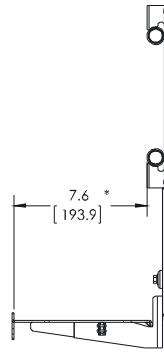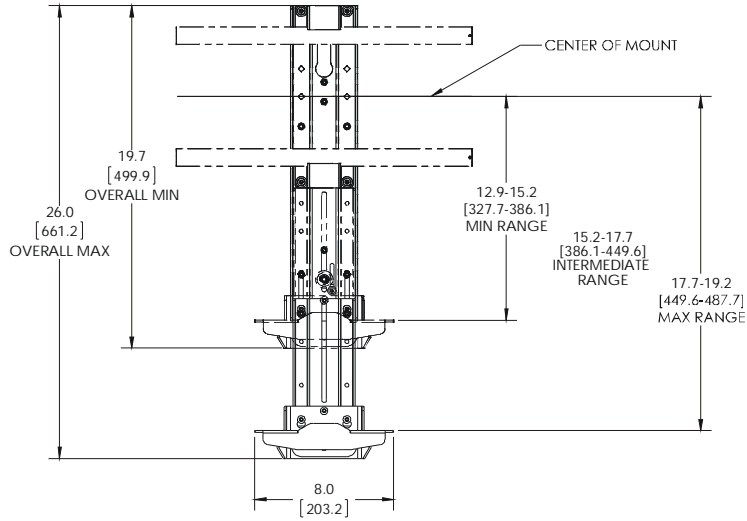⚠ **WARNING:** Do not use this product outdoors.

⚠ **WARNING:** RISK OF INJURY TO PERSONS! Do not use this accessory to support video equipment such as televisions or computer monitors.
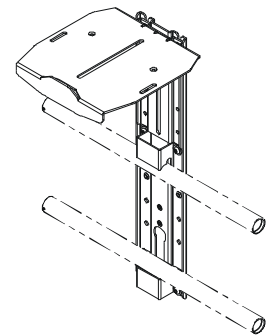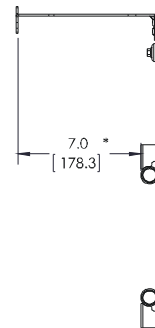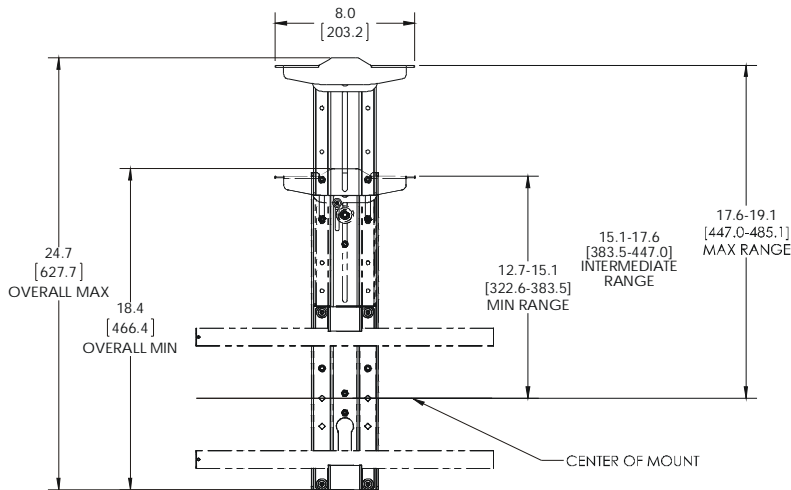
--SAVE THESE INSTRUCTIONS--

DIMENSIONS - FCA800

FUSION WALL BELOW MOUNT SETUP

CENTER OF MOUNT

19.7
[499.9]
OVERALL MIN

26.0
[661.2]
OVERALL MAX

12.9-15.2
[327.7-386.1]
MIN RANGE

15.2-17.7
[386.1-449.6]
INTERMEDIATE
RANGE

17.7-19.2
[449.6-487.7]
MAX RANGE

8.0
[203.2]

7.6 *
[193.9]

(*)NOTES:

• TYPICAL FUSION INTERFACES ARE 0.625" [15.9] DEEP

FUSION WALL ABOVE MOUNT SETUP

8.0
[203.2]

24.7
[627.7]
OVERALL MAX

18.4
[466.4]
OVERALL MIN

12.7-15.1
[322.6-383.5]
MIN RANGE

15.1-17.6
[383.5-447.0]
INTERMEDIATE
RANGE

17.6-19.1
[447.0-485.1]
MAX RANGE

7.0 *
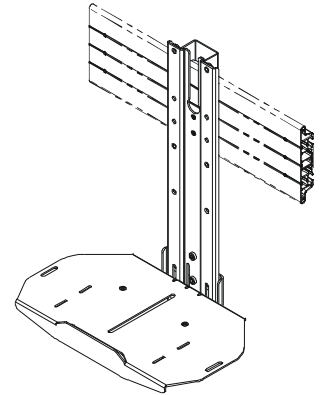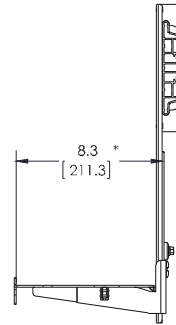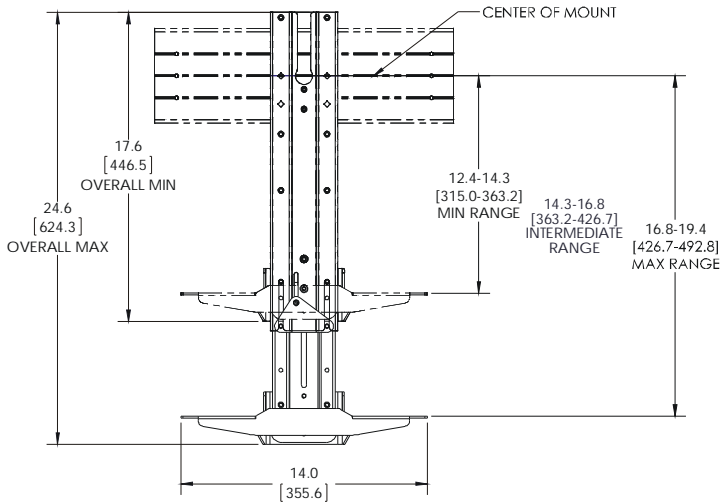[178.3]

CENTER OF MOUNT

(*)NOTES:

• TYPICAL FUSION INTERFACES ARE 0.625" [15.9] DEEP

3

DIMENSIONS - FCA800 (CONTINUED)

FUSION CEILING/CART BELOW MOUNT SETUP

CENTER OF MOUNT

17.6
[446.5]
OVERALL MIN

24.6
[624.3]
OVERALL MAX

12.4-14.3
[315.0-363.2]
MIN RANGE

14.3-16.8
[363.2-426.7]
INTERMEDIATE
RANGE

16.8-19.4
[426.7-492.8]
MAX RANGE

14.0
[355.6]

8.3 *
[211.3]

(*)NOTES:

• TYPICAL SINGLE DISPLAY MODELS HAVE INTERFACE DEPTHS .5" [12.7]
• TYPICAL DUAL DISPLAY MODELS HAVE INTERFACE DEPTHS 1.9" [48.3]
• FCA623 DUAL MONITOR INTERFACES ARE 1.4" DEEP [35.6]

FUSION CEILING/CART ABOVE MOUNT SETUP

8.0
[203.2]

23.2
[590.4]
OVERALL MAX

16.3
[413.1]
OVERALL MIN

14.2-16.7
[360.7-424.2]
INTERMEDIATE
RANGE

12.2-14.2
[309.9-360.7]
MIN RANGE

16.7-19.2
[424.2-487.7]
MAX RANGE

8.3 *
[210.2]
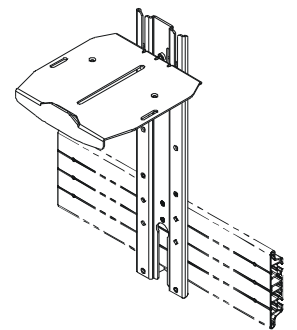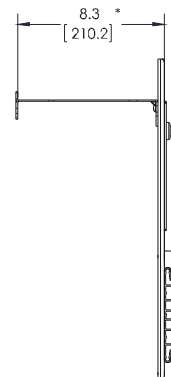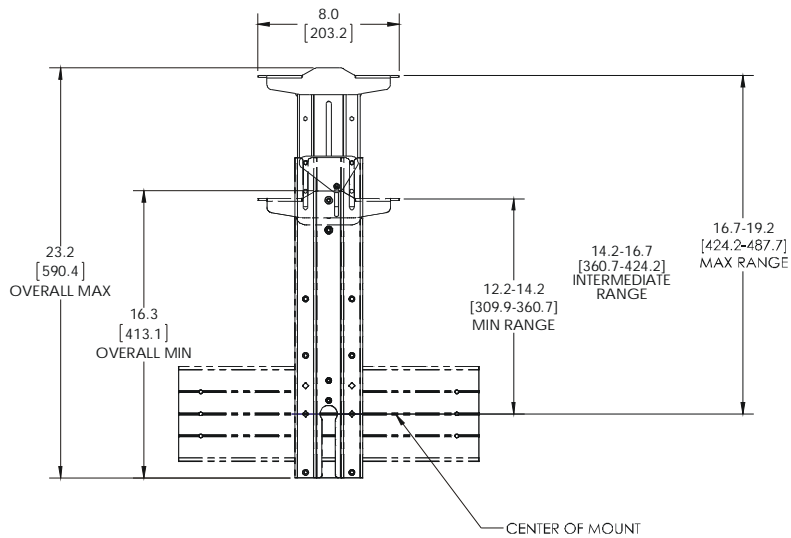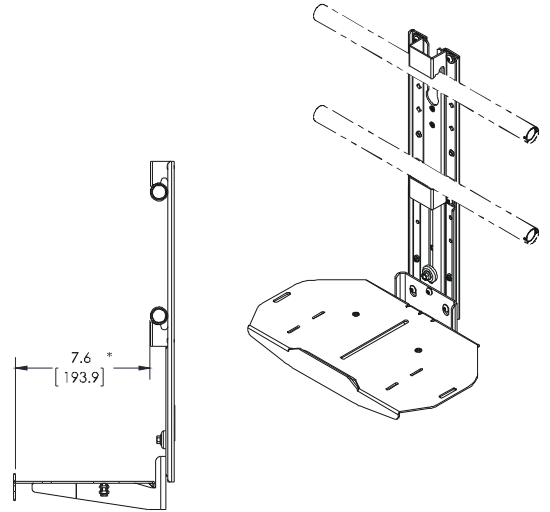
CENTER OF MOUNT

(*)NOTES:

• TYPICAL SINGLE DISPLAY MODELS HAVE INTERFACE DEPTHS .5" [12.7]
• TYPICAL DUAL DISPLAY MODELS HAVE INTERFACE DEPTHS 1.9" [48.3]
• FCA623 DUAL MONITOR INTERFACES ARE 1.4" DEEP [35.6]

4

DIMENSIONS - FCA801

FUSION WALL BELOW MOUNT SETUP

CENTER OF MOUNT

19.7
[499.9]
OVERALL MIN

26.0
[661.2]
OVERALL MAX

12.9-15.2
[327.7-386.1]
MIN RANGE

15.2-17.7
[386.1-449.6]
INTERMEDIATE
RANGE

17.7-19.2
[449.6-487.7]
MAX RANGE

14.0
[355.6]

7.6 *
[193.9]

(*)NOTES:
• TYPICAL FUSION INTERFACES ARE 0.625" [15.9] DEEP

FUSION WALL ABOVE MOUNT SETUP

14.0
[355.6]

24.7
[627.7]
OVERALL MAX

18.4
[466.4]
OVERALL MIN

12.7-15.1
[322.6-383.5]
MIN RANGE

15.1-17.6
[383.5-447.0]
INTERMEDIATE
RANGE

17.6-19.1
[447.0-485.1]
MAX RANGE

7.0 *
[178.3]

CENTER OF MOUNT

(*)NOTES:
• TYPICAL FUSION INTERFACES ARE 0.625" [15.9] DEEP

DIMENSIONS - FCA801 (CONTINUED)

FUSION CEILING/CART BELOW MOUNT SETUP

CENTER OF MOUNT

17.6
[446.5]
OVERALL MIN

24.6
[624.3]
OVERALL MAX

12.4-14.3
[315.0-363.2]
MIN RANGE

14.3-16.8
[363.2-426.7]
INTERMEDIATE
RANGE

16.8-19.4
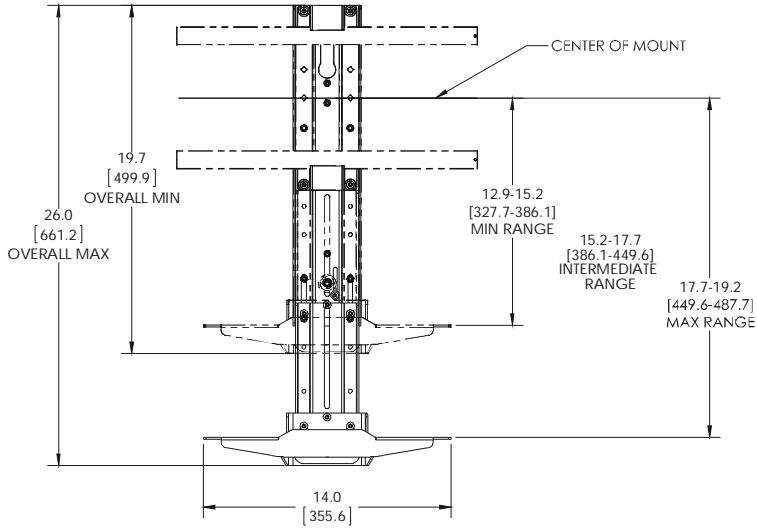[426.7-492.8]
MAX RANGE

14.0
[355.6]

8.3 *
[211.3]

(*)NOTES:

- TYPICAL SINGLE DISPLAY MODELS HAVE INTERFACE DEPTHS .5" [12.7]
- TYPICAL DUAL DISPLAY MODELS HAVE INTERFACE DEPTHS 1.9" [48.3]
- FCA623 DUAL MONITOR INTERFACES ARE 1.4" DEEP [35.6]

FUSION CEILING/CART ABOVE MOUNT SETUP
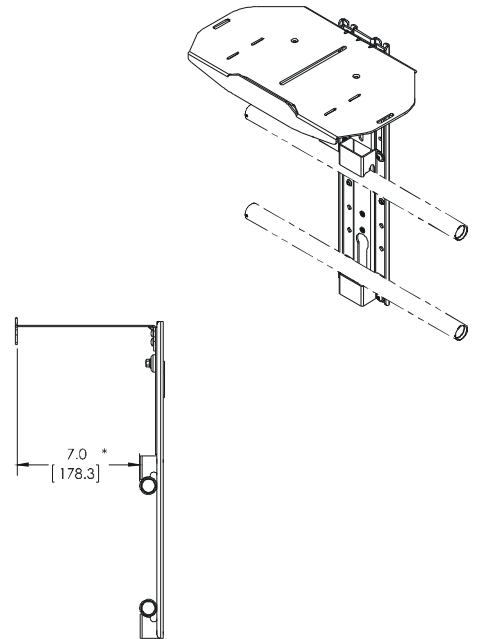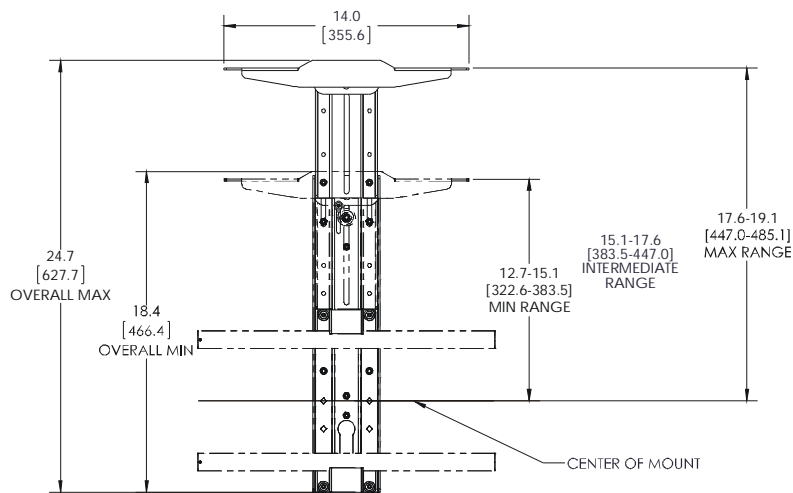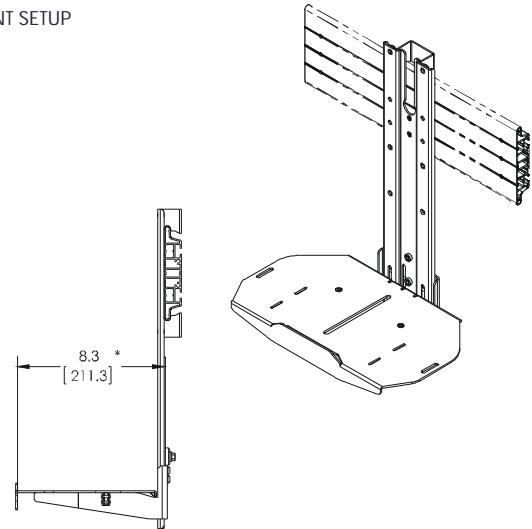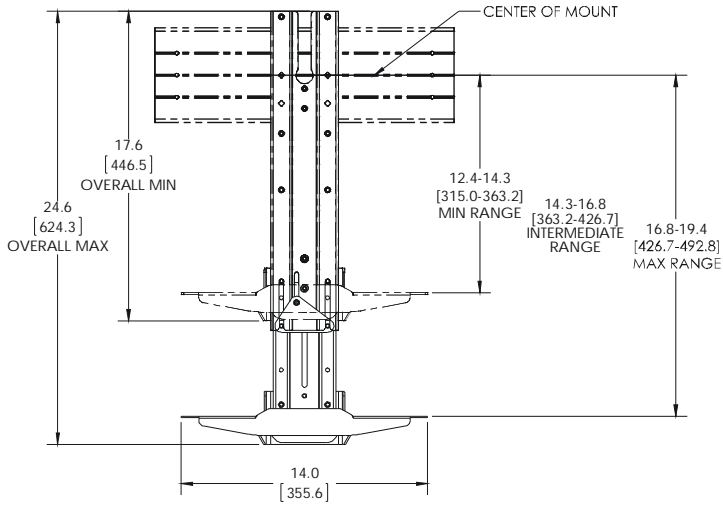
14.0
[355.6]

23.2
[590.4]
OVERALL MAX

16.3
[413.1]
OVERALL MIN

14.2-16.7
[360.7-424.2]
INTERMEDIATE
RANGE

12.2-14.2
[309.9-360.7]
MIN RANGE

16.7-19.2
[424.2-487.7]
MAX RANGE

8.3 *
[210.2]
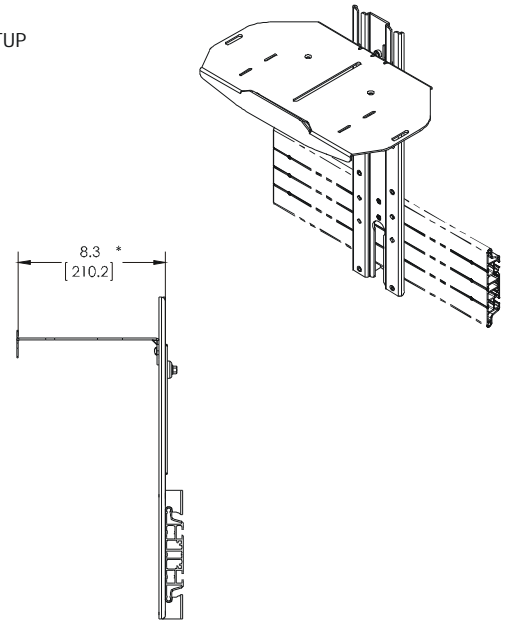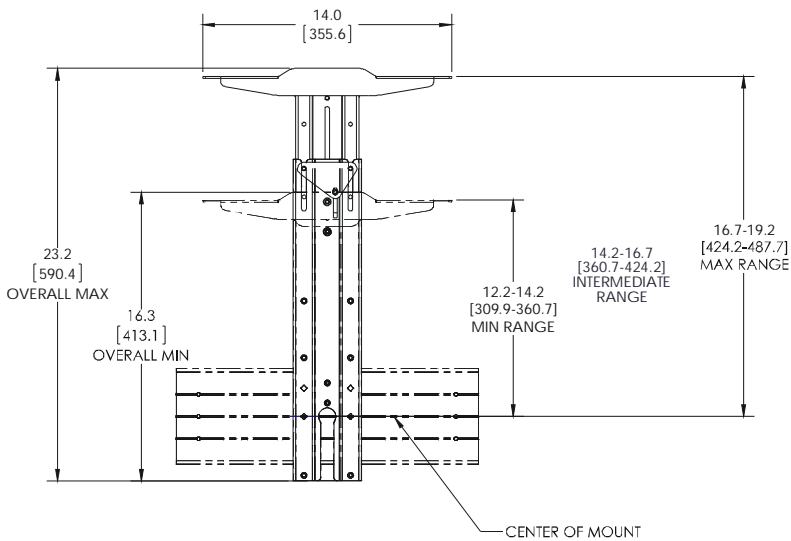
CENTER OF MOUNT

(*)NOTES:

- TYPICAL SINGLE DISPLAY MODELS HAVE INTERFACE DEPTHS .5" [12.7]
- TYPICAL DUAL DISPLAY MODELS HAVE INTERFACE DEPTHS 1.9" [48.3]
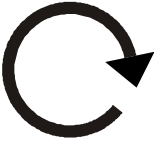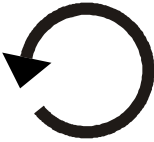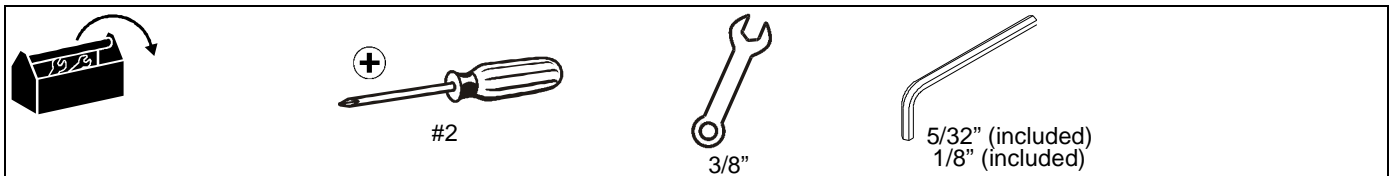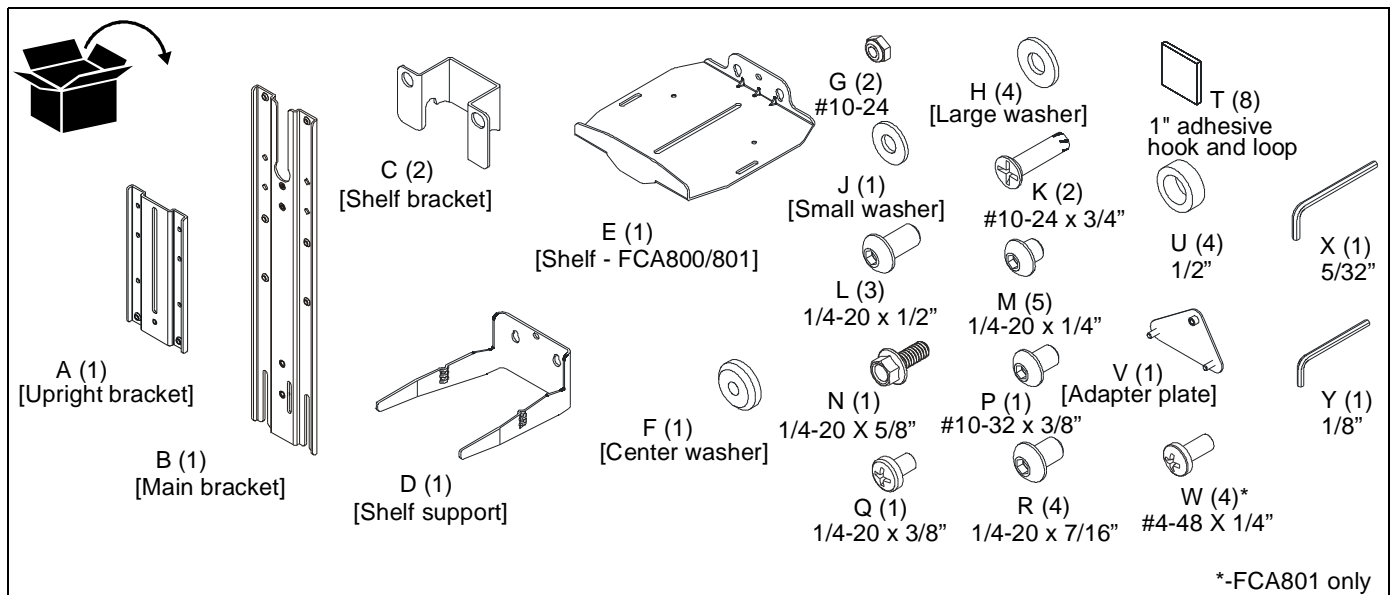- FCA623 DUAL MONITOR INTERFACES ARE 1.4" DEEP [35.6]

LEGEND

	Tighten Fastener		Phillips Screwdriver
	Apretar elemento de fijación		Destornillador Phillips
	Befestigungsteil festziehen		Kreuzschlitzschraubendreher
	Apertar fixador		Chave de fendas Phillips
	Serrare il fissaggio		Cacciavite a stella
	Bevestiging vastdraaien		Kruiskopschroevendraaier
	Serrez les fixations		Tournevis à pointe cruciforme

	Loosen Fastener		Open-Ended Wrench
	Aflojar elemento de fijación		Llave de boca
	Befestigungsteil lösen		Gabelschlüssel
	Desapertar fixador		Chave de bocas
	Allentare il fissaggio		Chiave a punte aperte
	Bevestiging losdraaien		Steeksleutel
	Desserrez les fixations		Clé à fourche

	Hex-Head Wrench
	Llave de cabeza hexagonal
	Sechskantschlüssel
	Chave de cabeça sextavada
	Chiave esagonale
	Zeskantsleutel
	Clé à tête hexagonale

TOOLS REQUIRED FOR INSTALLATION

#2   3/8"   5/32" (included)
                          1/8" (included)

PARTS

A (1)
[Upright bracket]

B (1)
[Main bracket]

C (2)
[Shelf bracket]

D (1)
[Shelf support]

E (1)
[Shelf - FCA800/801]

F (1)
[Center washer]

G (2)
#10-24

J (1)
[Small washer]

L (3)
1/4-20 x 1/2"

N (1)
1/4-20 X 5/8"

Q (1)
1/4-20 x 3/8"

H (4)
[Large washer]

K (2)
#10-24 x 3/4"

M (5)
1/4-20 x 1/4"

P (1)
#10-32 x 3/8"

R (4)
1/4-20 x 7/16"

T (8)
1" adhesive
hook and loop

U (4)
1/2"

V (1)
[Adapter plate]

W (4)*
#4-48 X 1/4"

X (1)
5/32"

Y (1)
1/8"

*-FCA801 only

7

ASSEMBLY AND INSTALLATION

Below Installation

NOTE: FCA800 and FCA801 shelves may be installed above or below displays. To install above display, proceed to "Above Installation" Section.

Assembling Shelf to Upright Bracket

1. Attach shelf (E) to shelf support (D) using two #10-24 x 3/4" Phillips flat head machine screws (K). (See Figure 1)
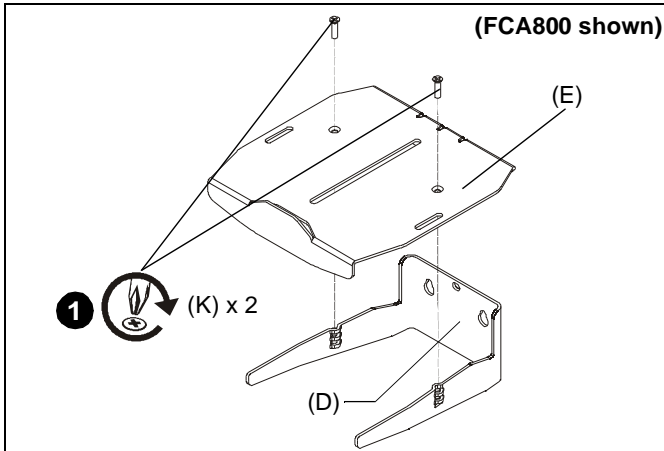

(FCA800 shown)

Figure 1

2. Install two 1/4-20 x 1/2" button head cap screws (L) into lowest holes on upright bracket (A). (See Figure 2) or (See Figure 3)

3. Hang shelf support (D) onto two screws installed in Step 2. (See Figure 2) or (See Figure 3)

4. Use one 1/4-20 x 1/4" button head cap screw (M) to secure upright bracket (A) to shelf support (D). (See Figure 2) or (See Figure 3)

5. Tighten all three screws to ensure upright bracket (A) is securely attached to shelf support (D).
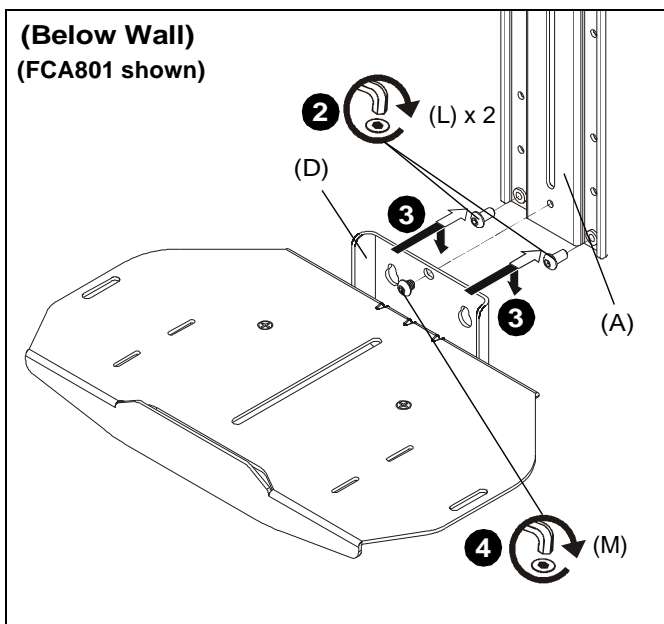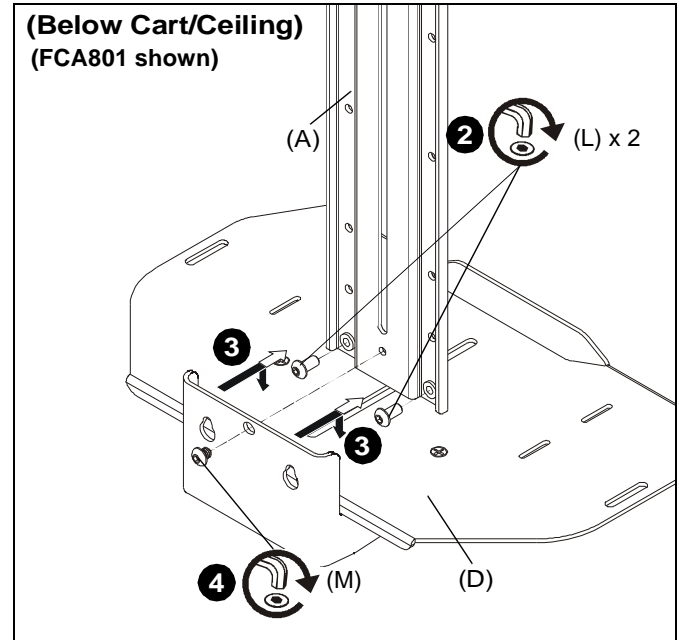

(Below Wall)
(FCA801 shown)

Figure 2

(Below Cart/Ceiling)
(FCA801 shown)

Figure 3

Attaching Shelf to Wall Mount

NOTE: If attaching to cart or ceiling mount, proceed to **Attach Shelf to Cart/Ceiling Section**.

1. Use two 1/4-20 x 1/4" button head cap screws (M) and two large washers (H) to secure shelf bracket (C) to main bracket (B). (See Figure 4)

⚠ **CAUTION:** Slide bracket with caution so that the bracket does not scratch or damage the wall!

2. Slide main bracket (B) behind wall mount rails until shelf bracket (C) rests on top of wall mount rail. (See Figure 4)
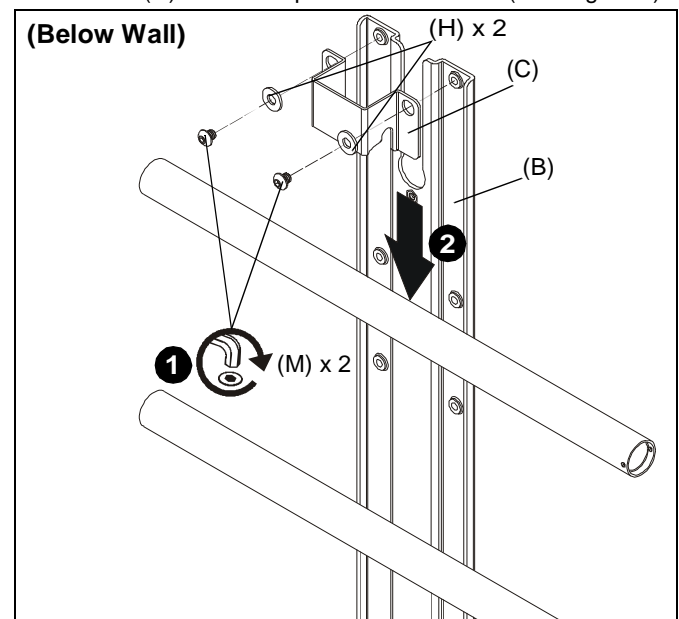

(Below Wall)

Figure 4

3. Slide second shelf bracket (C) underneath lower rail on wall mount, lining up holes on shelf bracket (C) to main bracket (B). (See Figure 5)

4. Use two 1/4-20 x 1/4" button head cap screws (M) and two large washers (H) to secure shelf bracket (C) to main bracket (B). (See Figure 5)
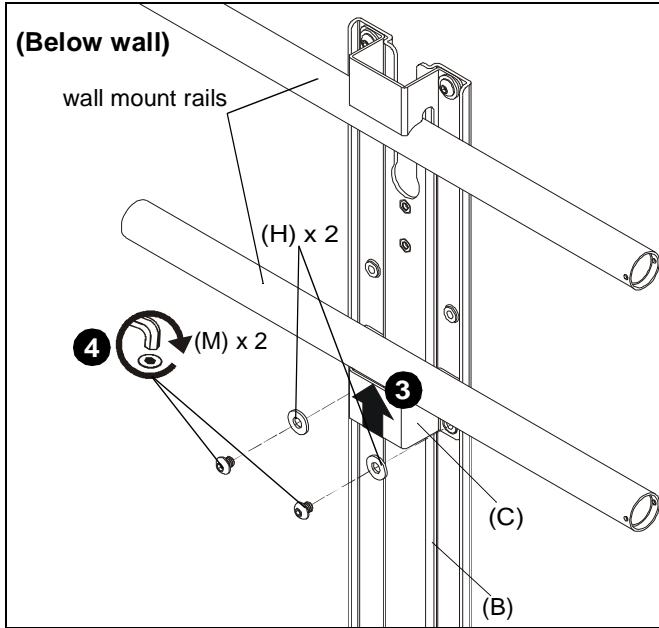
(Below wall)

Figure 5

NOTE: Refer to Table 1 and dimension drawings on pages 3-6 to determine the extension level based on extension distance from mount center.

Table 1: Below Wall Mount

Extension distance from center of mount (in.)	
12.9-15.2	**Minimum**
15.2-17.7	**Intermediate**
17.7-19.2	**Maximum**

5. (For **maximum extension**) Use #10-32 x 3/8" button head cap screw (P) and small washer (J) to secure adapter plate (V) to main bracket (B). (See Figure 6)

6. (For **maximum extension**) Use two #10-24 lock nuts (G) to secure upright bracket (A) to main bracket (B) and adapter plate (V). (See Figure 6)
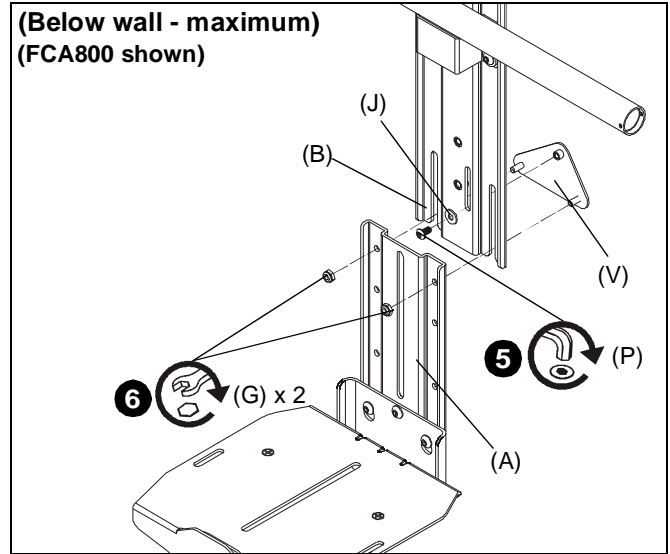
(Below wall - maximum)
(FCA800 shown)

Figure 6

7. (For **minimum/intermediate extension**) Use two #10-24 lock nuts (G) to secure upright bracket (A) to main bracket (B) and adapter plate (V). (See Figure 7)

NOTE: Minimum configuration is shown below. Several intermediate configurations are possible depending on which holes are used.

8. (For **minimum/intermediate extension)** Use 1/4-20 x 5/8" hex head flange bolt (N) and center washer (F) to secure upright bracket (A) to main bracket (B). (See Figure 7)
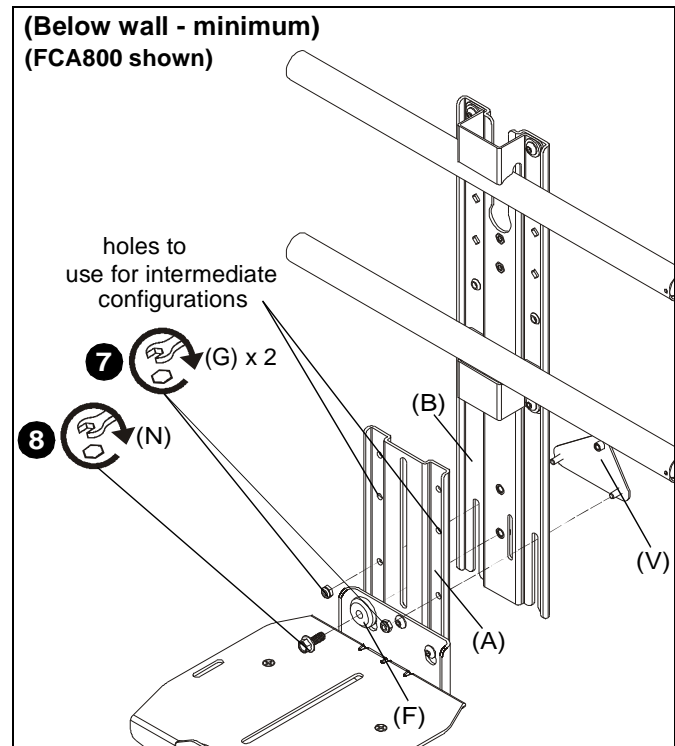
(Below wall - minimum)
(FCA800 shown)

Figure 7

9

Attaching Shelf to Cart/Ceiling Mount

IMPORTANT ! : If installing to a 2x1 display cart using the FCA623 accessory, proceed to "Installing to FCA623 Accessory" Section (Step 6).

1. Use two 1/4-20 x 1/4" button head cap screws (M) and two large washers (H) to secure shelf bracket (C) to main bracket (B). (See Figure 8)

2. Slide main bracket (B) onto front of cart/ceiling mount head assembly until shelf bracket (C) rests on top of head assembly. (See Figure 8)

(Below cart/ceiling - Standard)
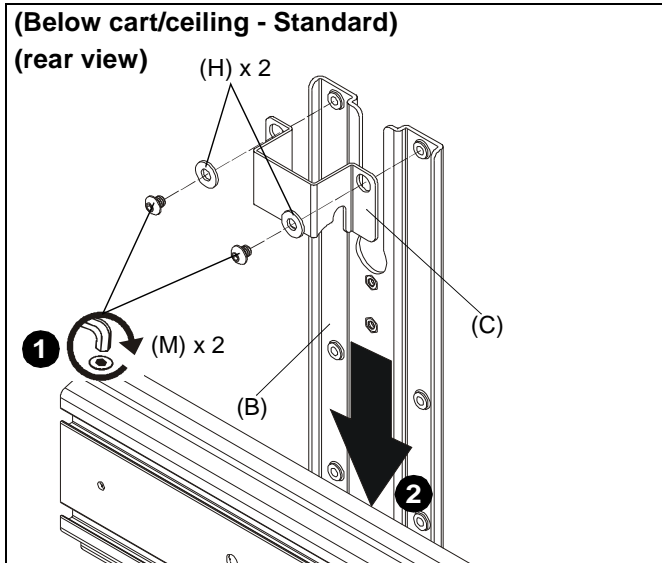**(rear view)**

Figure 8

3. Slide second shelf bracket (C) underneath head assembly, lining up holes on shelf bracket (C) to holes on main bracket (B). (See Figure 9)

4. Use two 1/4-20 x 1/4" button head cap screws (M) and two large washers (H) to secure shelf bracket (C) to main bracket (B). (See Figure 9)
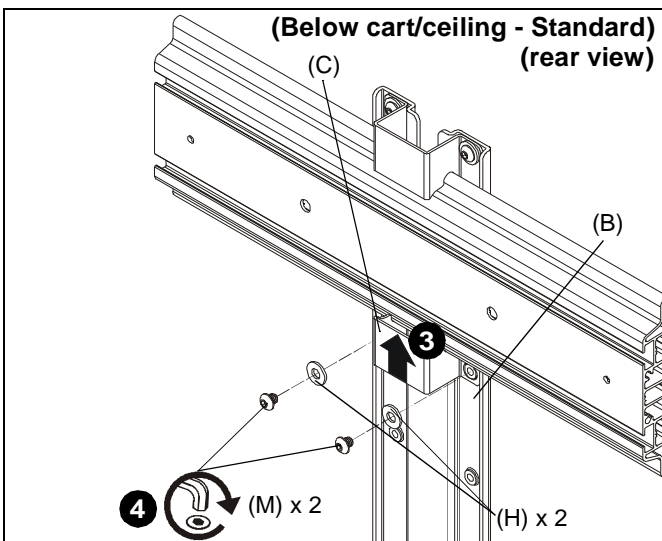

(Below cart/ceiling - Standard)
(rear view)

Figure 9

5. Proceed to Step 11.

Installing to FCA623 Accessory

IMPORTANT ! : Steps 6-10 only apply if installing to FCA623 accessory.

6. Use two 1/4-20 x 7/16" button head cap screws (R), two large washers (H) and two 1/2" spacers (U) to secure shelf bracket (C) to main bracket (B). (See Figure 10)

7. Slide main bracket (B) onto front of cart/ceiling mount head assembly until shelf bracket (C) rests on top of head assembly. (See Figure 10)
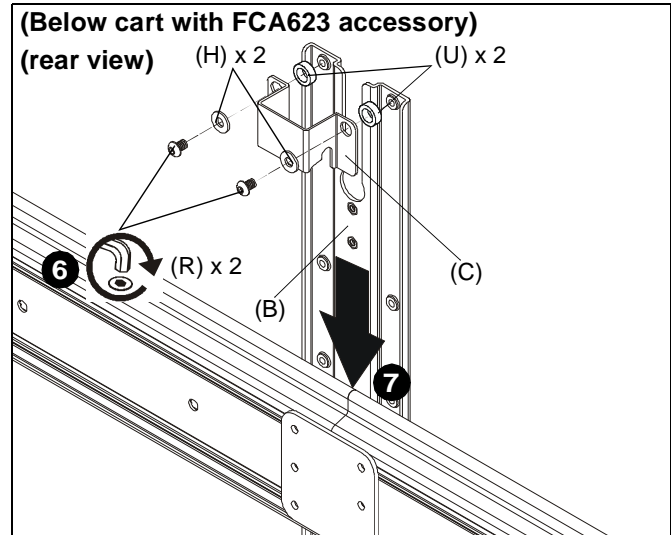

(Below cart with FCA623 accessory)
(rear view)

Figure 10

8. Slide second shelf bracket (C) underneath head assembly, lining up holes on shelf bracket (C) to holes on main bracket (B). (See Figure 11)

9. Slide two 1/2" spacers (U) in between shelf bracket (C) and main bracket (B). (See Figure 11)

10. Use two 1/4-20 x 7/16" button head cap screws (R) and two large washers (H) to secure shelf bracket (C) to main bracket (B). (See Figure 11)
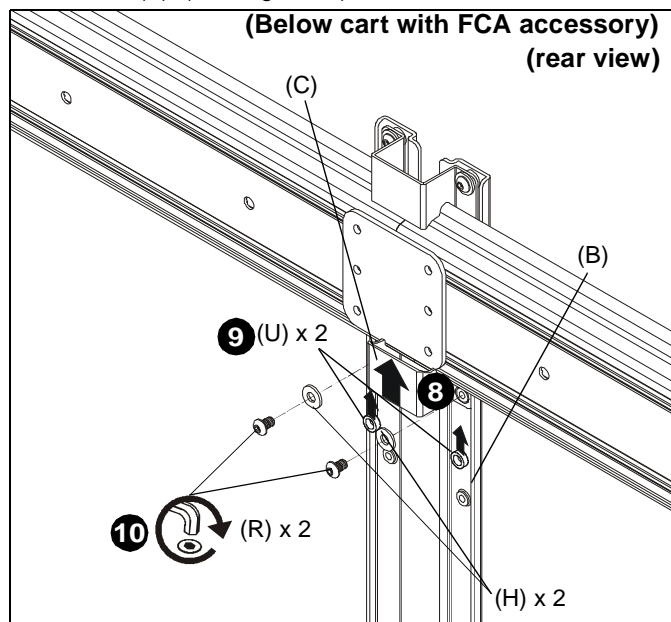

(Below cart with FCA accessory)
(rear view)

Figure 11

NOTE: Refer to Table 2 and dimension drawings on pages 3-6 to determine the extension level based on extension distance from mount center.

Table 2: Below Cart/Ceiling Mount

Extension distance from center of mount (in.)	
12.4-14.3	**Minimum**
14.3-16.8	**Intermediate**
16.8-19.4	**Maximum**

11. (For **maximum/intermediate extension**) Use two #10-24 lock nuts (G) to secure upright bracket (A) to main bracket (B) and adapter plate (V). (See Figure 12)

NOTE: Maximum configuration is shown below. Several intermediate configurations are possible depending on which holes are used.

12. (For **maximum/intermediate extension**) Use 1/4-20 x 5/8" hex head flange bolt (N) and center washer (F) to secure upright bracket (A) to main bracket (B). (See Figure 12)

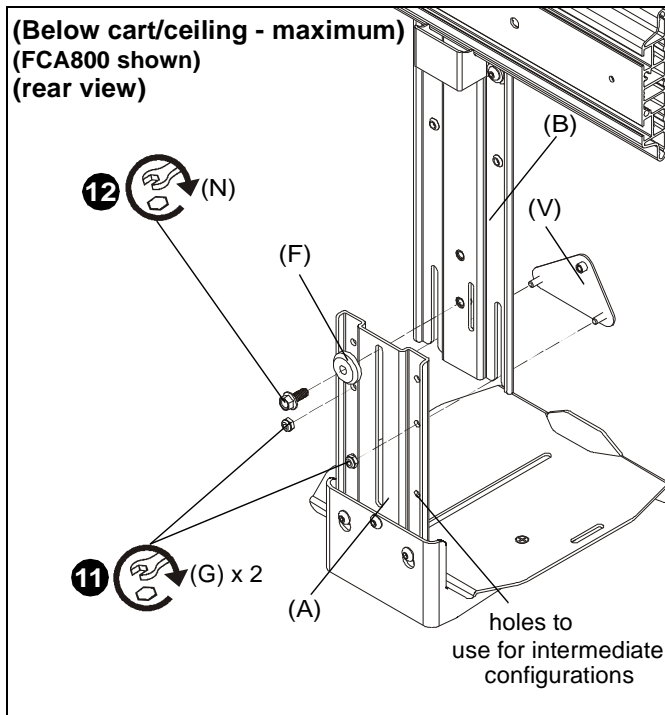**(Below cart/ceiling - maximum)**
(FCA800 shown)
(rear view)

Figure 12

13. (For **minimum extension)** Slide upright bracket behind main bracket. (See Figure 13)

14. (For **minimum extension)** Use 1/4-20 x 5/8" hex head flange bolt (N) and center washer (F) to secure upright bracket (A) to main bracket (B). (See Figure 13)
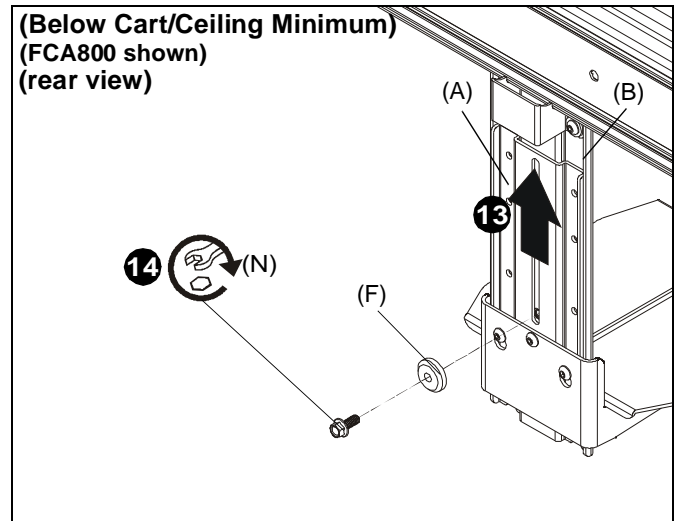

(Below Cart/Ceiling Minimum)
(FCA800 shown)
(rear view)

Figure 13

Above Installation

Assembling Shelf to Upright Bracket

1. Install two 1/4-20 x 1/2" button head cap screws (L) into lowest holes on upright bracket (A). (See Figure 14) or (See Figure 15)

2. Hang shelf (E) onto two screws installed in Step 1. (See Figure 14) or (See Figure 15)

3. Secure upright bracket (A) to shelf (E) using:

   • 1/4-20 x 1/4" button head cap screw (M) if installing to wall mount. (See Figure 14)

   • 1/4-20 x 1/2" button head cap screw (L) if installing to cart/ceiling mount. (See Figure 15)
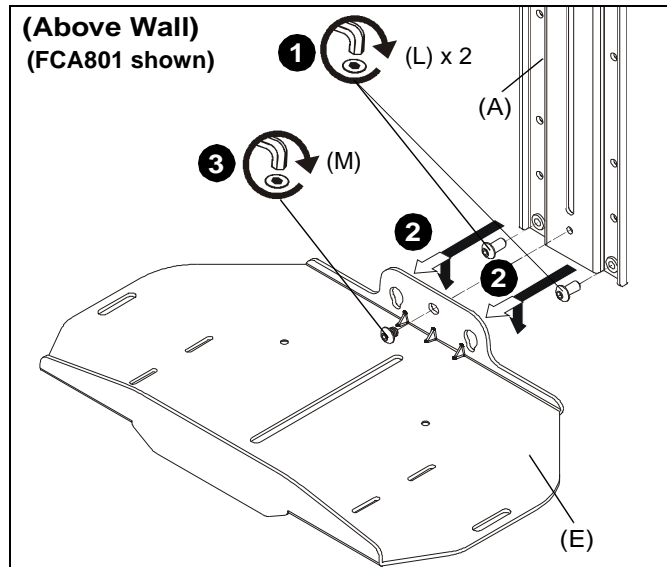
4. Tighten all three screws to ensure shelf is secure.
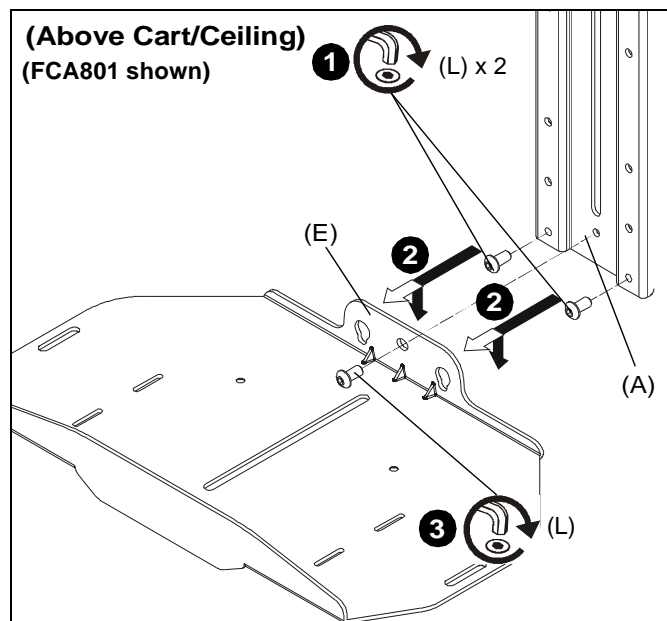

Figure 14

Figure 15

Attaching Shelf to Wall Mount

1. Use two 1/4-20 x 1/4" button head cap screws (M) and two large washers (H) to secure shelf bracket (C) to main bracket (B). (See Figure 16)

⚠ **CAUTION:** Slide bracket with caution so that the bracket does not scratch or damage the wall!

2. Slide main bracket (B) behind wall mount rails until shelf bracket (C) rests on top wall mount rail. (See Figure 16)
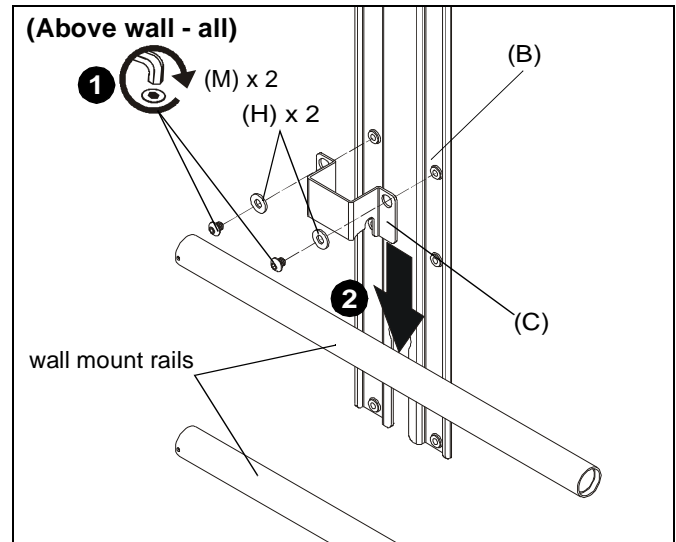

Figure 16

3. Slide second shelf bracket (C) underneath lower rail on wall mount, lining up holes on shelf bracket (C) to holes on main bracket (B). (See Figure 17)

4. Use two 1/4-20 x 1/4" button head cap screws (M) and two large washers (H) to secure shelf bracket (C) to main bracket (B). (See Figure 17)
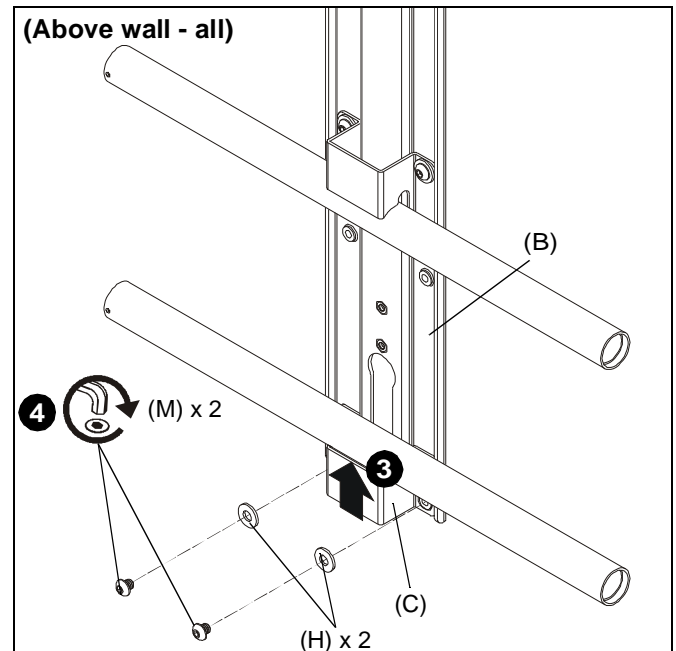

Figure 17

NOTE: Refer to Table 3 and dimension drawings on pages 3-6 to determine the extension level based on extension distance from mount center.

Table 3: Above Wall Mount

Extension distance from center of mount (in.)	
12.7-15.1	**Minimum**
15.1-17.6	**Intermediate**
17.6-19.1	**Maximum**

5. (For **maximum extension**) Use #10-32 x 3/8" button head cap screw (P) and small washer (J) to secure adapter plate (V) to main bracket (B). (See Figure 18)

6. (For **maximum extension**) Use two #10-24 lock nuts (G) to secure upright bracket (A) to main bracket (B) and adapter plate (V). (See Figure 18)
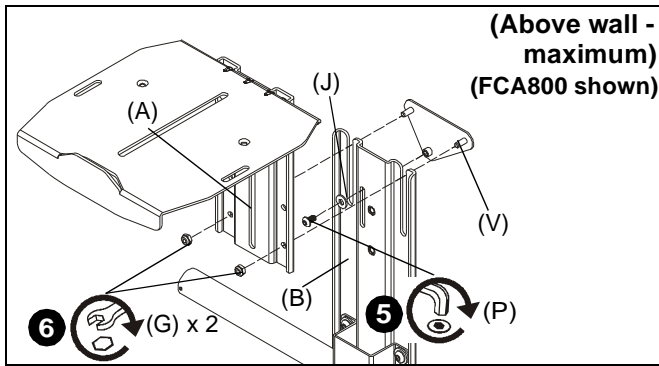

Figure 18

7. (For **minimum/intermediate extension**) Use two #10-24 lock nuts (G) to secure upright bracket (A) to main bracket (B) and adapter plate (V). (See Figure 19)

8. (For **minimum/intermediate extension)** Use 1/4-20 x 5/8" hex head flange bolt (N) and center washer (F) to secure upright bracket (A) to main bracket (B). (See Figure 19)

NOTE: Minimum configuration is shown below. Several intermediate configurations are possible depending on which holes are used.
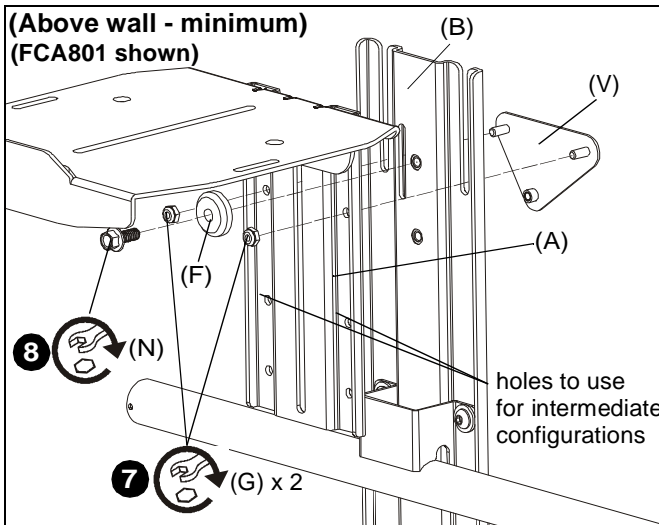

Figure 19

Attaching Shelf to Cart/Ceiling Mount

IMPORTANT ! : If installing to a 2x1 display cart using the FCA623 accessory, proceed to "Installing to FCA623 Accessory" Section (Step 6).

1. Use two 1/4-20 x 1/4" button head cap screws (M) and two large washers (H) to secure shelf bracket (C) to main bracket (B). (See Figure 20)

2. Slide main bracket (B) onto front of cart/ceiling mount head assembly until shelf bracket (C) rests on top of head assembly. (See Figure 20)
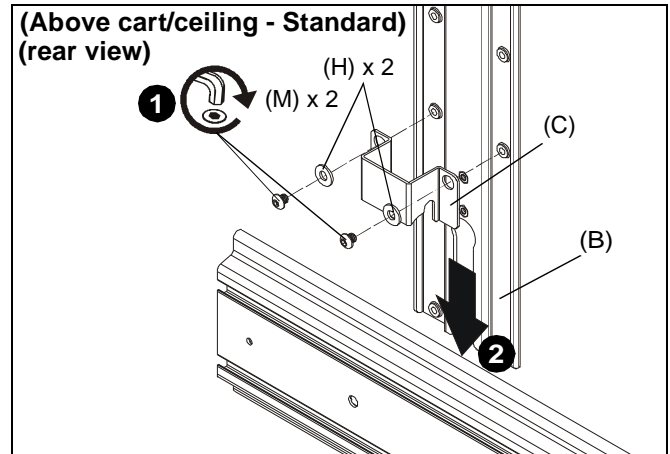

Figure 20

3. Slide second shelf bracket (C) underneath head assembly, lining up holes on shelf bracket (C) to holes on main bracket (B). (See Figure 21)

4. Use two 1/4-20 x 1/4" button head cap screws (M) and two large washers (H) to secure shelf bracket (C) to main bracket (B). (See Figure 21)
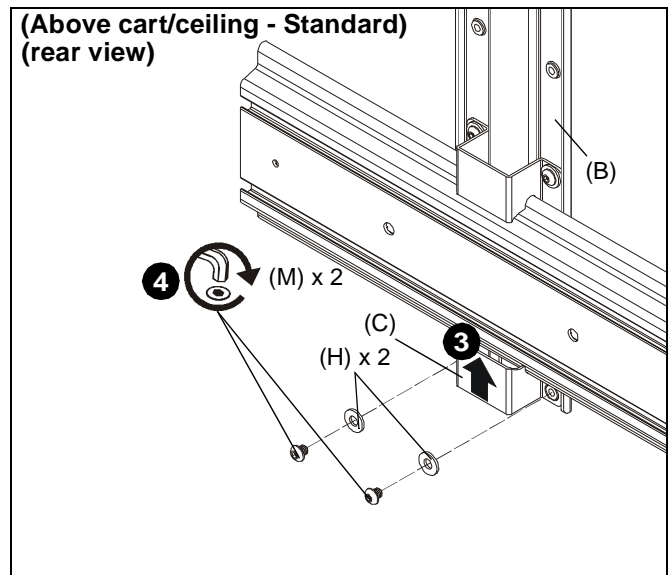
Figure 21

5. Proceed to Step 11.

Installing to FCA623 Accessory

NOTE: Steps 6-10 only apply if installing to FCA623 accessory.

6. Use two 1/4-20 x 7/16" button head cap screws (R), two large washers (H) and two 1/2" spacers (U) to secure shelf bracket (C) to main bracket (B). (See Figure 22)

7. Slide main bracket (B) onto front of cart mount head assembly until shelf bracket (C) rests on top of head assembly. (See Figure 22)

(Above cart with FCA accessory) (rear view)

Figure 22

8. Slide second shelf bracket (C) underneath head assembly, lining up holes on shelf bracket (C) to holes on main bracket (B). (See Figure 23)

9. Slide two 1/2" spacers (U) in between shelf bracket (C) and main bracket (B). (See Figure 23)

10. Use two 1/4-20 x 1/2" button head cap screws (R) and two large washers (H) to secure shelf bracket (C) to main bracket (B). (See Figure 23)
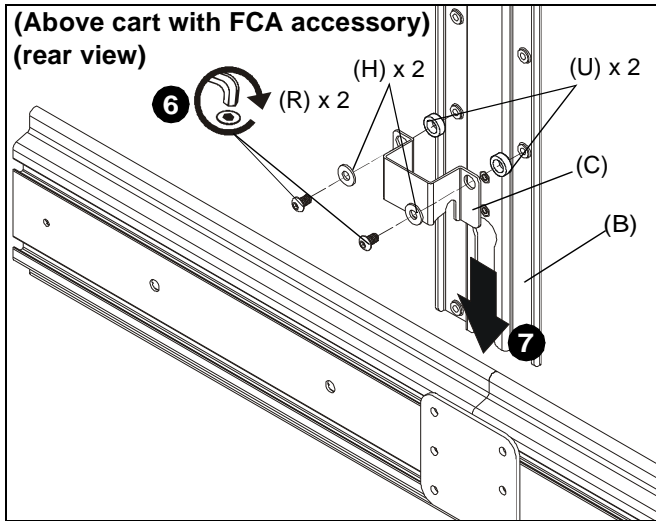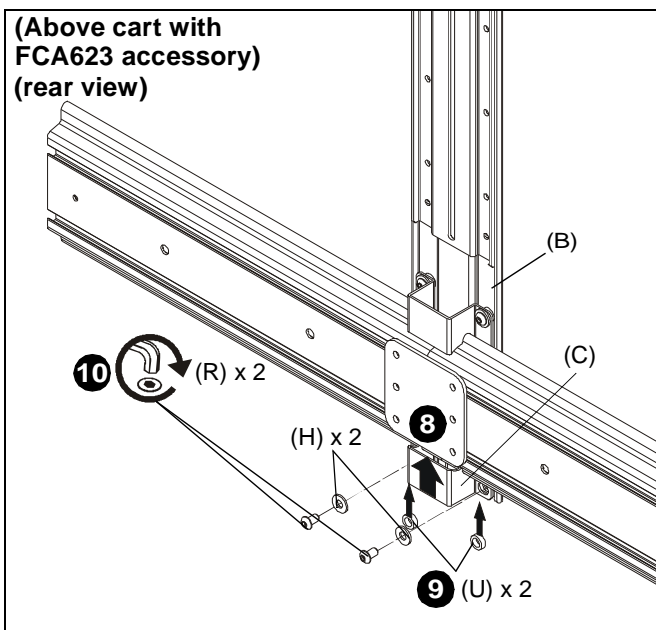

(Above cart with FCA623 accessory) (rear view)

Figure 23

NOTE: Refer to Table 4 and dimension drawings on pages 3-6 to determine the extension level based on extension distance from mount center.

Table 4: Above Cart/Ceiling

Extension distance from center of mount (in.)	
12.2-14.2	**Minimum**
14.2-16.7	**Intermediate**
16.7-19.2	**Maximum**

11. (For **maximum/intermediate extension**) Use two #10-24 lock nuts (G) to secure upright bracket (A) to main bracket (B) and adapter plate (V). (See Figure 24)

NOTE: Maximum configuration is shown below. Several intermediate configurations are possible depending on which holes are used.

12. (For **maximum/intermediate extension)** Use 1/4-20 x 5/8" hex head flange bolt (N) and center washer (F) to secure upright bracket (A) to main bracket (B). (See Figure 24)

(Above cart/ceiling - maximum) (rear view) (FCA800 shown)

holes to use for intermediate configurations

Figure 24

13. (For **minimum extension**) Slide upright bracket (A) behind main bracket (B). (See Figure 25)

14. (For **minimum extension**) Use 1/4-20 x 5/8" hex head flange bolt (N) and center washer (F) to secure upright bracket (A) to main bracket (B). (See Figure 25)
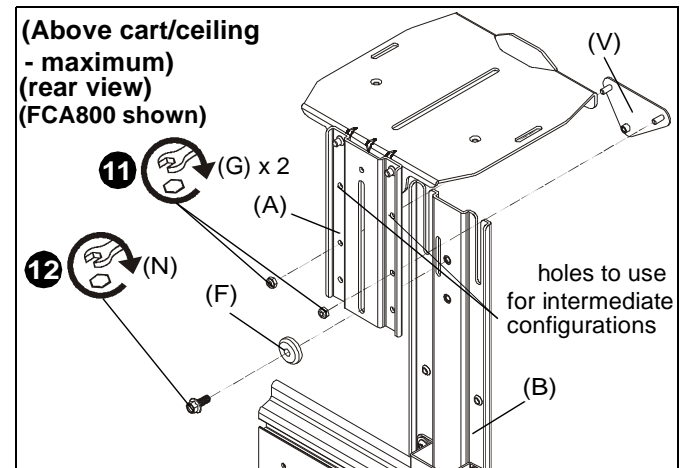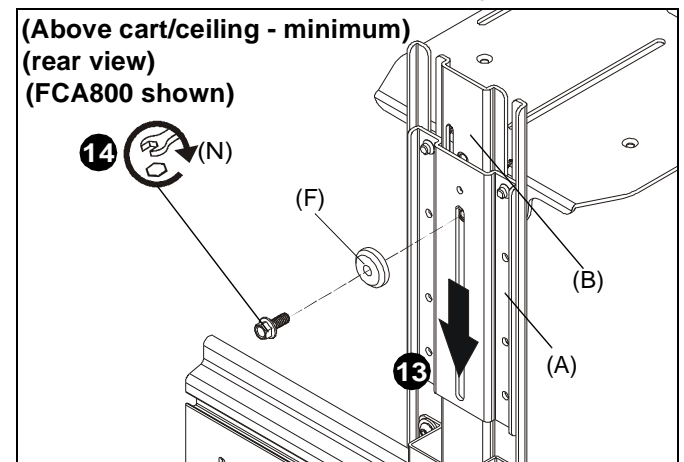

(Above cart/ceiling - minimum) (rear view) (FCA800 shown)

Figure 25

Height Adjustment

1. Loosen hardware used to attach main bracket (B) to upright bracket (A). (See Figure 26)

2. Adjust shelf height as desired. (See Figure 26)

NOTE: For all above display installations, it is recommended that the shelf be positioned so that it rests on top of display to help ensure an even mount.

3. Tighten hardware used to attached main bracket (B) to upright bracket (A). (See Figure 26)
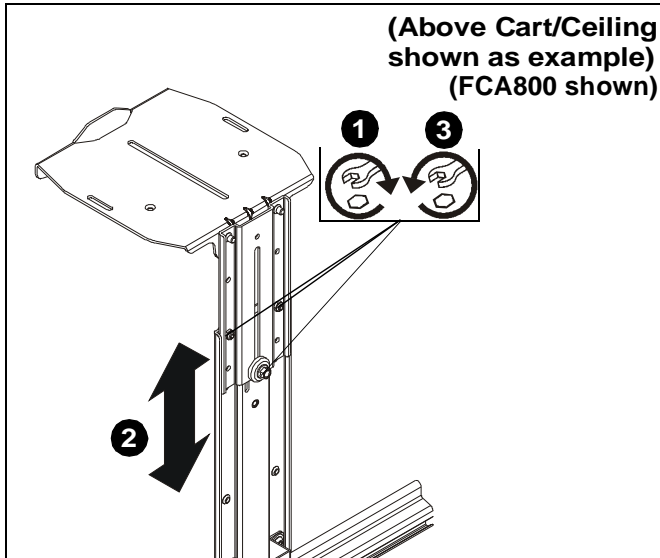

Figure 26

Installing Camera (not included)

⚠️ **WARNING:** Exceeding the weight capacity can result in serious personal injury or damage to equipment! It is the installer's responsibility to make sure the combined weight mounted on the FCA800/801 does not exceed 10 lbs (4.5 kg).

⚠️ **WARNING:** Camera must be secured to FCA800/801 shelf using either adhesive hook and loop squares (T) or screws (Q or W)! Failure to securely mount camera to shelf may result in serious personal injury or damage to equipment!

NOTE: OPTIONAL: Slots are provided in shelf for strap (not included) to hold camera in place. (See Figure 27)

Using Adhesive Squares

1. Use up to eight adhesive hook and loop squares (T) to secure camera to shelf. Attach adhesive squares to bottom of camera first and then attach corresponding squares to shelf when the exact mounting location has been determined.

Using Screw(s)

NOTE: Screw mounting options will vary based upon camera model.

2. (Single Screw option) Install 1/4-20 x 3/8" Phillips pan machine screw (Q) through mounting slot on shelf and into hole on bottom of camera. (See Figure 27)

3. (Multiple screw option - FCA801 only) Install four #4-48 x 1/4" Phillips pan machine screws (W) through outside mounting slots and into holes on bottom of camera. (See Figure 28)

4. Route cable from camera towards back of shelf and down behind the FCA800/801. (See Figure 27) and (See Figure 28)
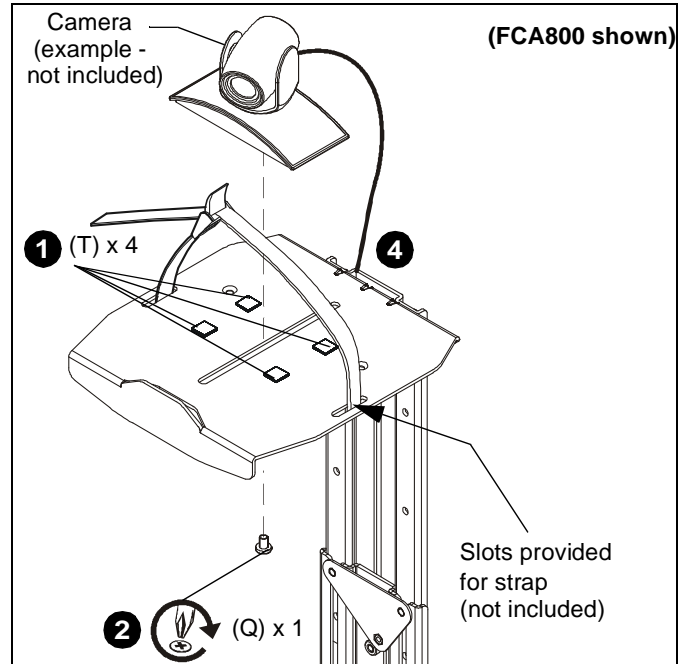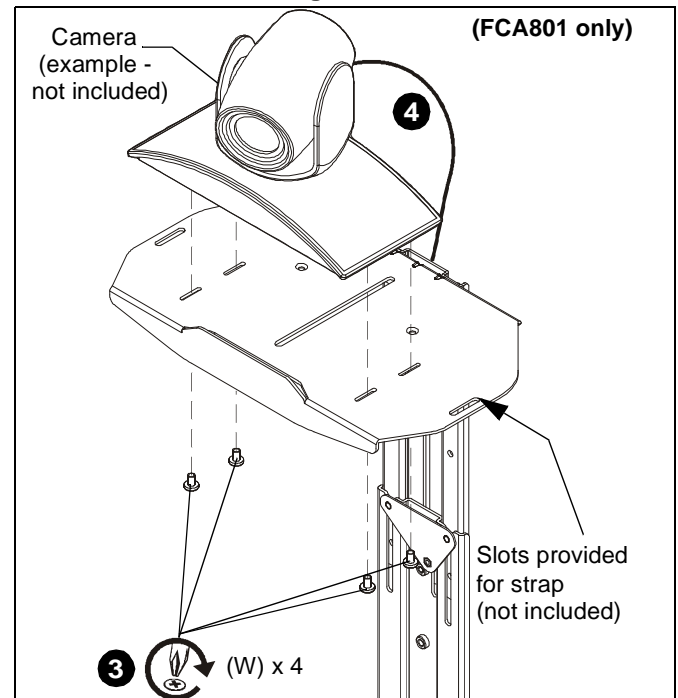

Figure 27

Figure 28

USA/International	**A**	6436 City West Parkway, Eden Prairie, MN 55344
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