# Assembly Instructions

Important

Before you begin, please make sure all parts and proper quantities are included. Any parts damaged during shipment must be reported within 15 days of receipt. To report information regarding damage, to purchase parts or accessories, or if you have any questions, please contact us at:

www.spectrumfurniture.com
715-723-6750, 800-235-1262

Thank you for purchasing Spectrum products!
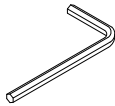
(1) 0109211
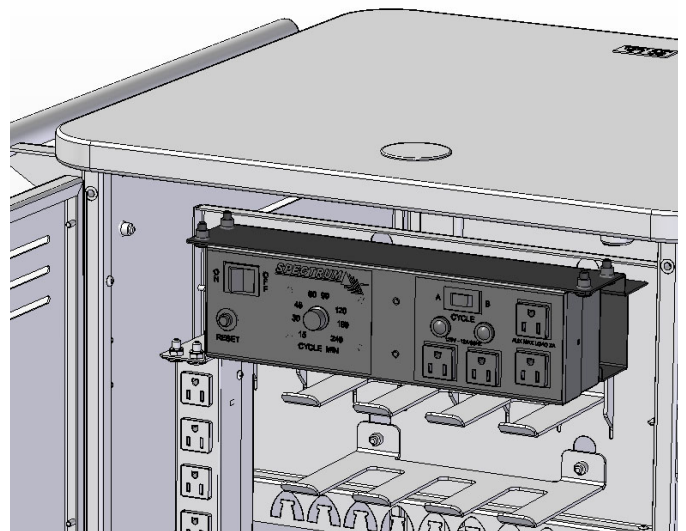cycle timer
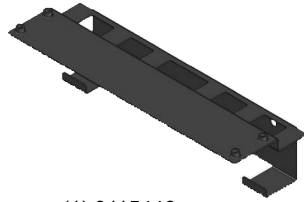
(1) 0115446
adapter bracket

(4) 026064
1/4-20 x 5/8" PHMS

(2) 052605
1/4-20 x 15mm JC bolt

(1) 025039
4mm hex wrench

Cycle Timer Kit
for Cloud 32 Chromebook Cart
55467

Tools Required		
	✏	Phillips screwdriver
	⌐	4mm hex wrench (included)

1. Remove upper cord management bracket

1. From the device-side of the cart, loosen the (2) JC bolts attaching the upper cord management bracket. **Figure 1**.
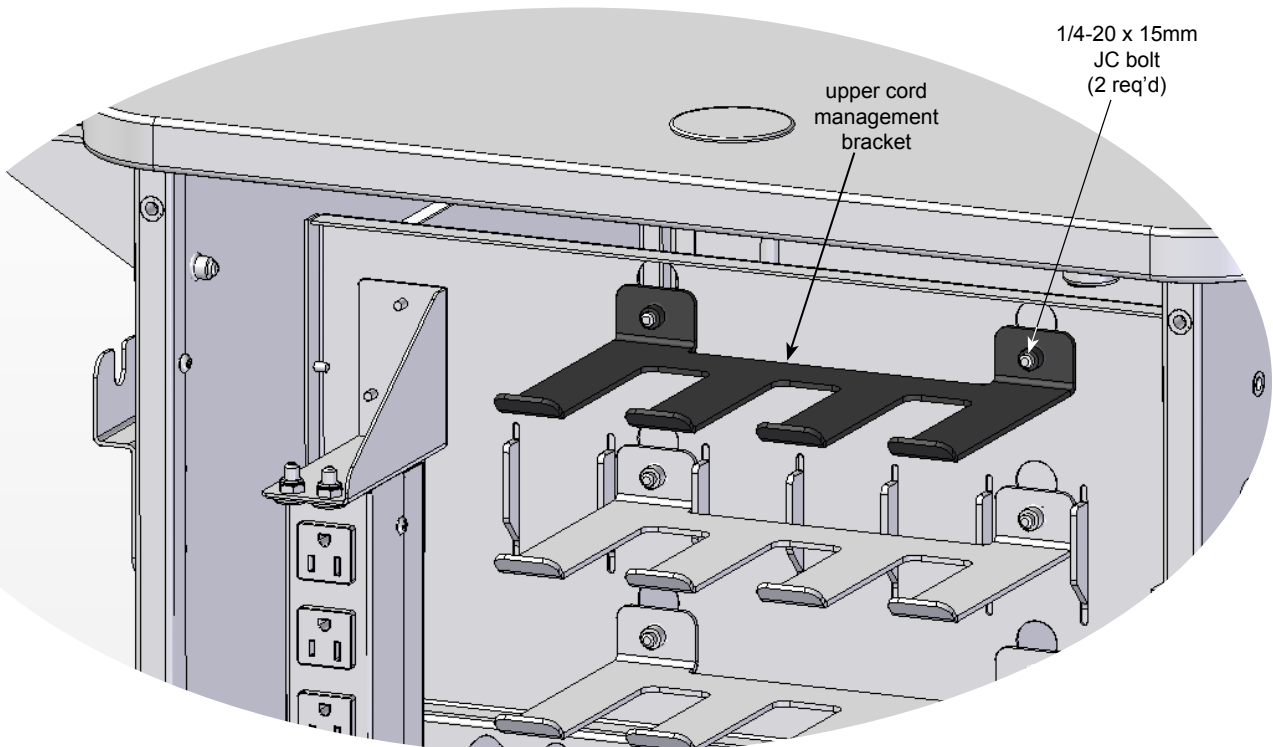2. Lift up on the bracket to remove from the keyhole slots.

upper cord management bracket

1/4-20 x 15mm JC bolt (2 req'd)

Figure 1

SPECTRUM INDUSTRIES INC.

2. Attach cycle timer to adapter bracket

1. Orient the cycle timer and adapter bracket as shown. **Figure 2A**.
2. Attach the cycle timer with (4) 1/4-20 x 5/8" PHM screws and tighten securely.
3. Install (2) 1/4-20 x 15mm JC bolts into the back of the adapter bracket as shown. **Figure 2B**.
   Do not tighten the bolts-leave about 1/8" between the bolt head and bracket.

adapter bracket

ON OFF

SPECTRUM

60 80
45 120
30 180
15 240
CYCLE MIN

RESET

A B
CYCLE

125V - 12A 60HZ   AUX MAX LOAD 2A

1/4-20 x 5/8"
PHMS
(4 req'd)

cycle timer

Figure 2A

cutouts for
power cord
routing

1/4-20 x 15mm
JC bolt
(2 req'd)

Figure 2B

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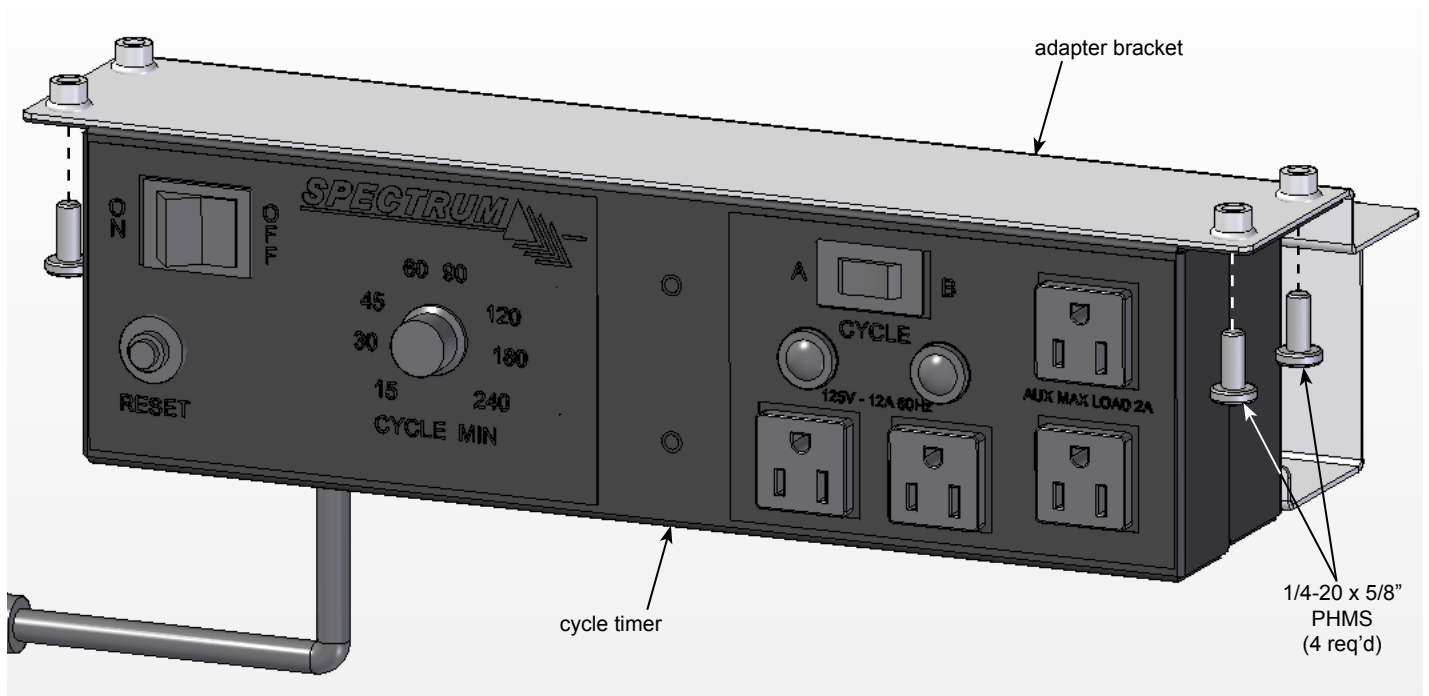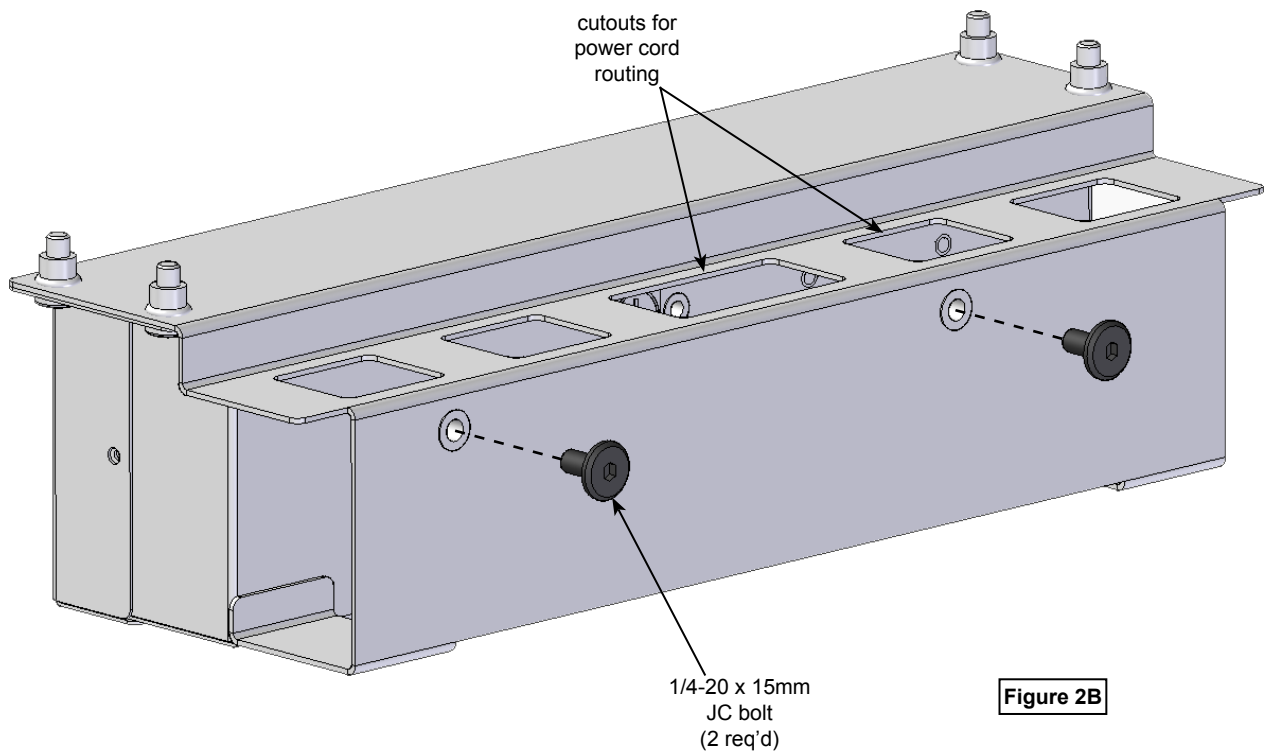
3. Install cycle timer assembly into cart

1. Set the cycle timer assembly with installed JC bolts into the keyhole slots. **Figure 3**.
2. From the device-side, tighten the JC bolts securely.

keyhole slots

cycle timer assembly
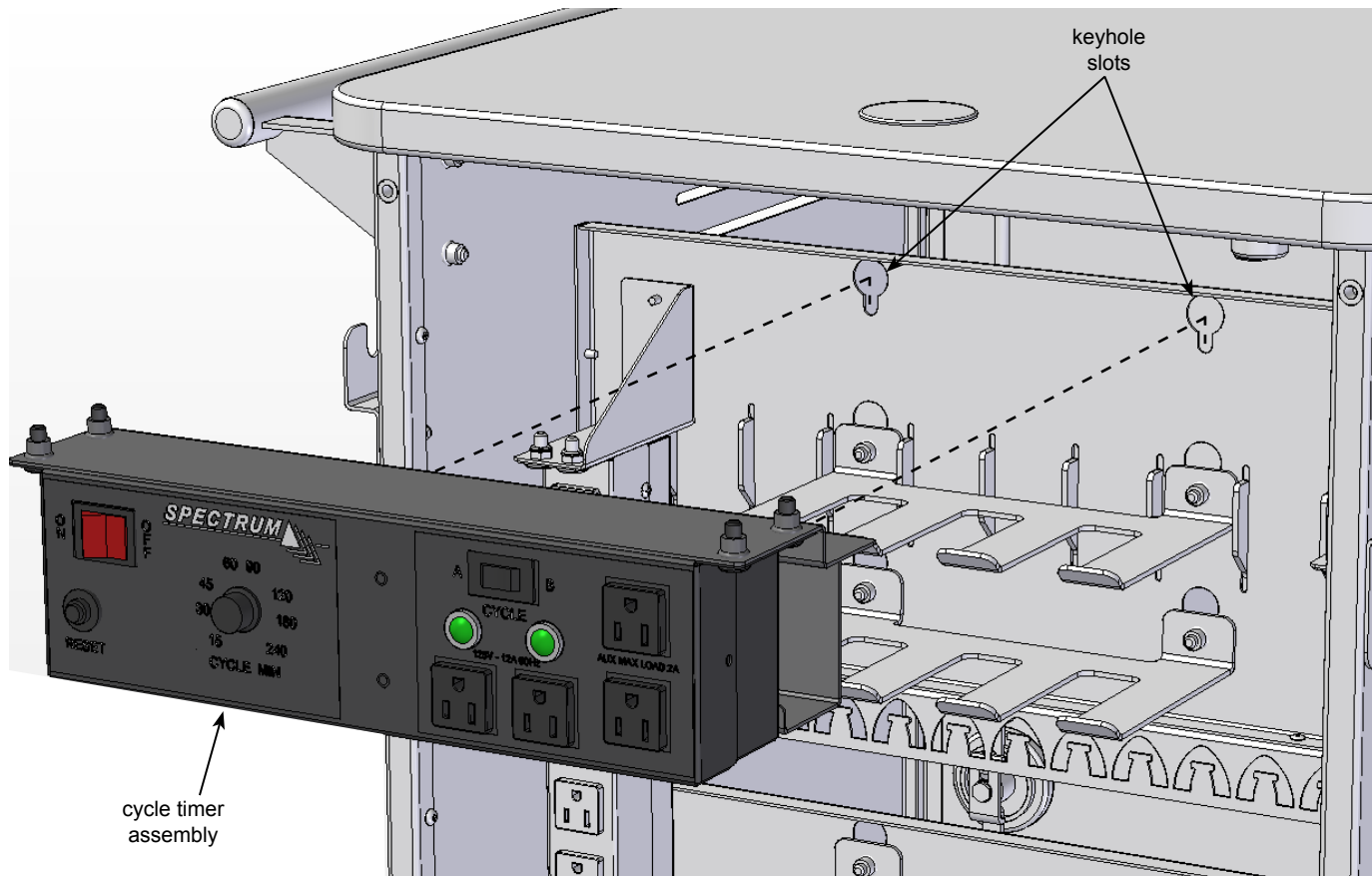
Figure 3

4. Chromebook power-side wiring

cycle timer

SPECTRUM

RESET

45 60 90 120
30 180
15 240
CYCLE MIN

A B
CYCLE

AUX MAX LOAD 2A
125V - 12A 60HZ

power cord management bracket

plug from power unit 'A'

plug from power unit 'B'

chargers attached to cord management brackets can be attached above or below bracket

16 outlet power unit 'A'

16 outlet power unit 'B'

power cord management bracket

20' cycle timer power cord to wall outlet

power switch

reset button

power switch

reset button

ON OFF

ON OFF

excess cord

Figure 4

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On / Off switch
(controls power to timer
& 'A' and 'B' outlets)

cycle switch

15-amp reset button

SPECTRUM

60 90
45 120
30 180
15 240
CYCLE MIN

125V – 12A 60Hz
(E307055)

RESET

0116112B

A B
CYCLE

88W / 1A

880W / 10A CONTINUOUS

88W / 1A

power cord

timer control

left (A) power unit outlet & indicator

right (B) power unit outlet & indicator

auxiliary (constant-power) 2-outlets used for accessories such as wi-fi routers, teacher laptops, or printers

Note: Each cart power unit to be plugged into a separate outlet ('A' or 'B').

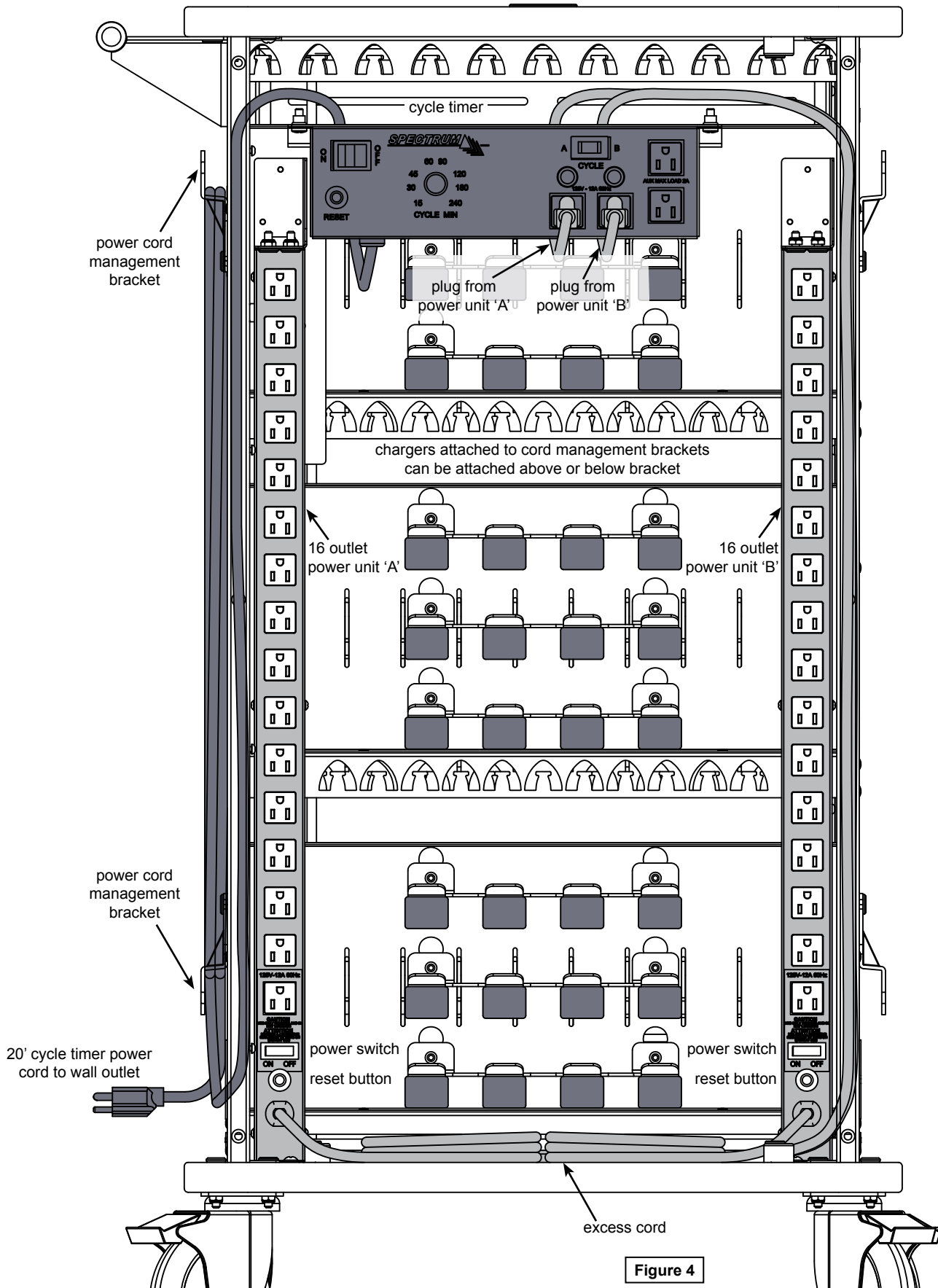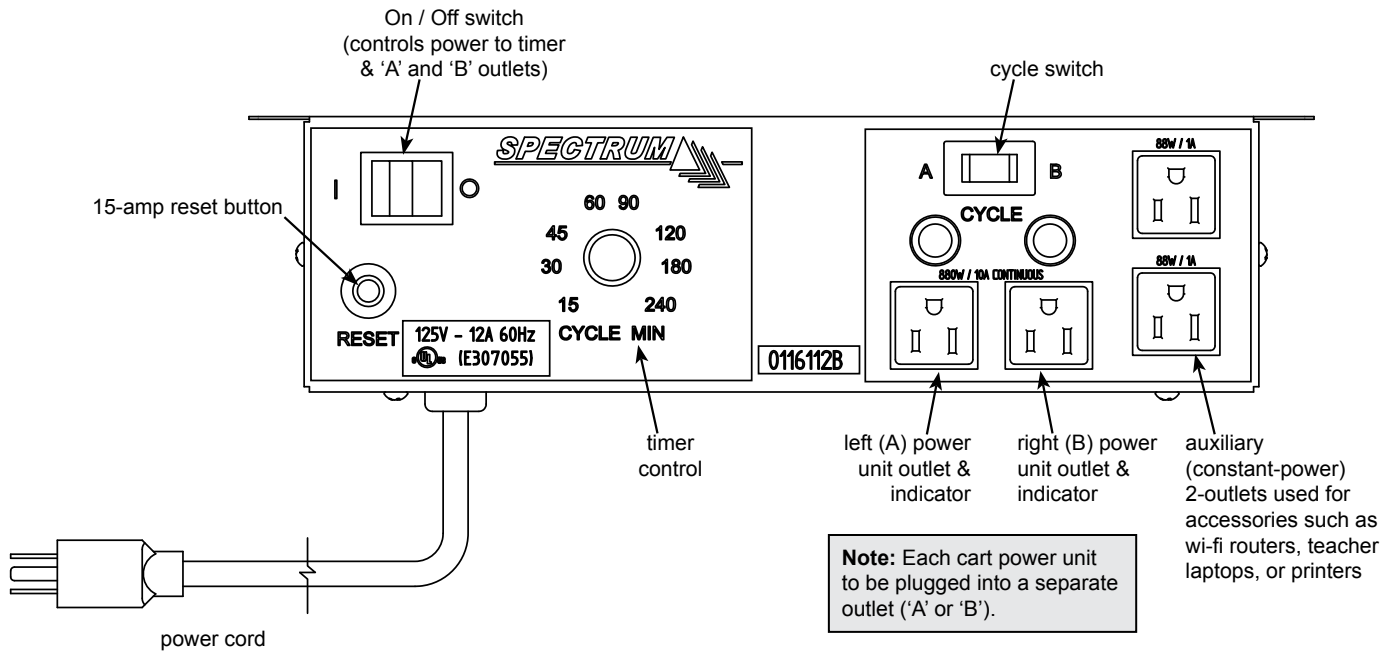## Using Timer

The timer prevents overload by alternating power between both power units in the cart, providing charging to multiple laptops or devices during the day. The power units plug into the outlets labeled 'A' or 'B'.

The timer control can be adjusted between 15-240 minutes. This is the number of minutes a power unit will be "hot" before the timer switches to the other power unit. 15 minutes can be used as the default setting, but the time setting will depend on the laptop size, battery capacity, frequency of use, and the time available for charging between uses. Lower minute settings should be used if the laptops are being used more frequently.

- To cycle charge both 'A' and 'B' sides, keep the cycle switch in the middle 'Cycle' position, then set the timer control to the desired cycling increment. After the side 'A' time expires, the timer will activate side 'B' for the same period of time and will continue to cycle until the ON / OFF switch is set to the OFF position.
- To manually-override the timer function, and charge the 'A' or 'B' side only, switch the cycle switch from the middle to the 'A' or 'B' position.

Specifications:

Input:	125V~/12A, 60Hz
Output voltage:	125V
Breaker:	15A
Outlets:	2 cycling, 880W, 10A each 2 auxiliary, 88W, 1A each
Power cord:	15' nominal, 14AWG, 3-wire
Timer:	15-240 minutes
Housing material:	20GA steel
Mounting type:	screw
Dimensions:	14.5"W [368.3mm] x 3.32"D [84.3mm] x 4.01"H [101.9mm]
Regulatory listing:	ETL recognized component

⚠ CAUTION ⚠

- Do not use the auxiliary outlets to charge multiple laptops or devices (use the 'A' and 'B' outlets only.) **Auxiliary outlets are for peripheral use only.**
- Switch the timer power switch OFF before unplugging or plugging-in the main power unit plugs.
- Total equipment load not to exceed 12-amps per power unit.
- Do not plug the power cord into an extension cord.
- Inspect power cord before each use.
- Do not use power cord that is damaged.
- Do not unplug by pulling on the cord.
- Do not step on, drive over, drag, or place objects on the power cord.
- For indoor use only. Do not install or store the unit where it will be exposed to moisture. Keep dry.
- For added safety, plug the timer into a grounded three-prong receptacle controlled by a GFI (Ground Fault Interrupter) circuit breaker.

Note: For PLUGGABLE EQUIPMENT, the socket-outlet shall be installed near the equipment and shall be easily accessible.

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