



INSTALLATION GUIDE

SPRINTER MURPHY BED SP0314B



TOOLS REQUIRED (NOT INCLUDED)

+ 5MM WRENCH	+ 13MM WRENCH
+ 7/32" ALLEN WRENCH	+ 19MM WRENCH
+ 3/16" ALLEN WRENCH	+ RIVET NUT TOOL
+ 3/4" WRENCH OR SOCKET	+ 25/64" DRILL BIT
+ 9/16" WRENCH OR SOCKET	+ 5/16" DRILL BIT
+ 7/16" WRENCH OR SOCKET	+ POWER DRILL
+ 3/8" WRENCH OR SOCKET	+ MEASURING TAPE
+ 11/32" WRENCH OR SOCKET	+ SAW
+ 12MM WRENCH	+ RUST PREVENTATIVE PAINT

INSTALL INFO

TIME TO INSTALL THIS PRODUCT: 3-5 HOURS

Additional help is suggested for a few of the install steps.

BEFORE YOU START

Please inspect the product and packaging upon delivery to ensure there are no issues and that all parts and hardware are accounted for.

Contact us ASAP if anything is missing at:
support@flatlinevanco.com

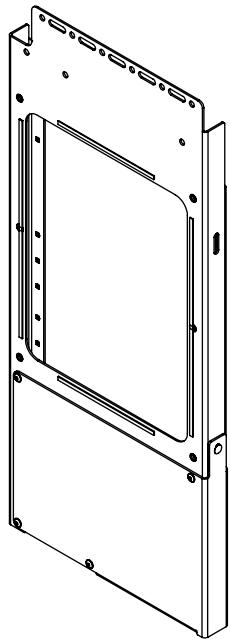
BEFORE YOU START

All Flatline Van Co products must be properly assembled and secured before attaching to your vehicle. Improper attachment could result in an automobile accident, and could cause serious bodily injury or death to you or to others involved. You are responsible for assembling and securing Flatline Van Co products to your vehicle, checking the mounting points and attachments prior to use, and regularly inspecting the products for wear and or damage. We always recommend you use a professional to install any aftermarket accessories to your vehicle. If you have no mechanical experience and are not thoroughly familiar with the installation procedures, you must have the product installed by a professional installer or other qualified persons. The responsibility is yours and must be taken seriously for everyone's safety.



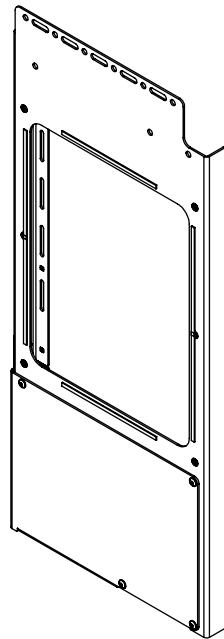
[SPO314B.1]

TABLE CABINET SIDE PANELS



RIGHT SIDE CABINET END

QTY: 1

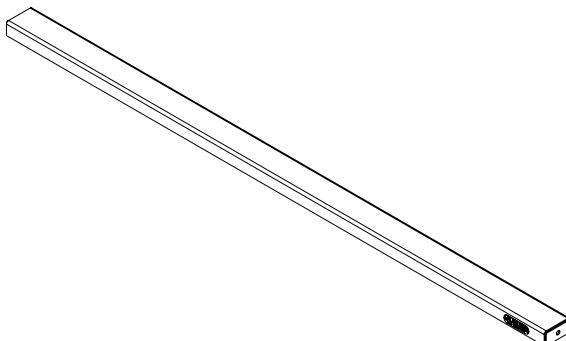


LEFT SIDE CABINET END

QTY: 1

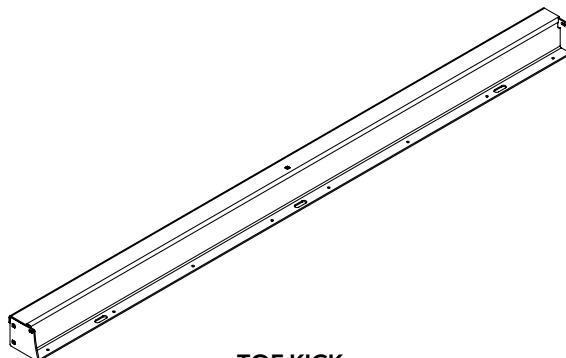
[SPO314B.2]

TABLE CABINET STRETCHERS



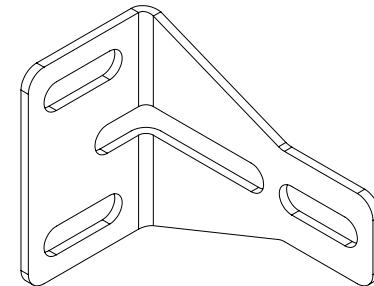
LANDING FLANGE

QTY: 1



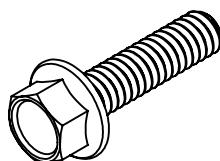
TOE KICK

QTY: 1



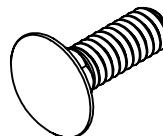
WALL MOUNTING BRACKETS

QTY: 2



1/4-20 X 1 FLANGED
HEX HEAD SCREW

QTY: 2



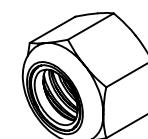
1/4-20 X 0.75 SQUARE
NECK CARRIAGE BOLT

QTY: 8



1/4-20 NYLON INSERT
LOCKNUT

QTY: 8



3/8-16 NYLON INSERT
LOCKNUT

QTY: 2



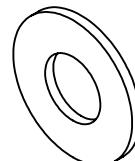
1/4-20 X 0.027-0.165 THK HEAVY
DUTY RIVET NUT

QTY: 2



1/4 SCREW FLAT WASHER

QTY: 10



3/8 SCREW FLAT WASHER

QTY: 2

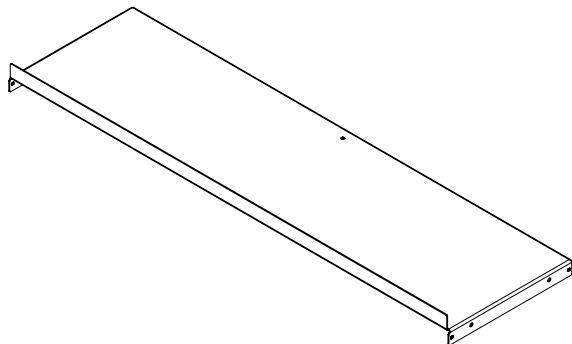


3/8-16 X 0.75 BUTTON
HEAD HEX DRIVE SCREW

QTY: 2

[SPO314B.3]

SHELVES AND SIDE PANELS



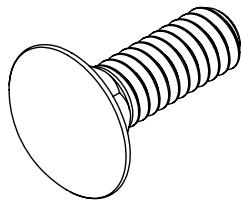
CABINET SHELF

QTY: 2



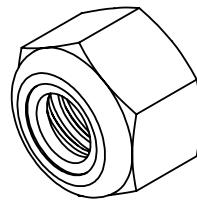
SHELF COVER PLATE

QTY: 2



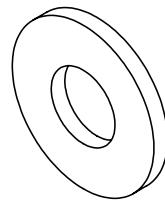
**1/4-20 X 0.75 SQUARE NECK
CARRIAGE BOLT**

QTY: 8



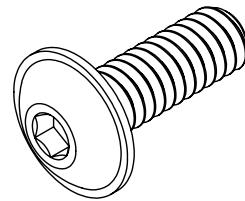
**1/4-20 NYLON INSERT
LOCKNUT**

QTY: 8



1/4 SCREW FLAT WASHER

QTY: 8

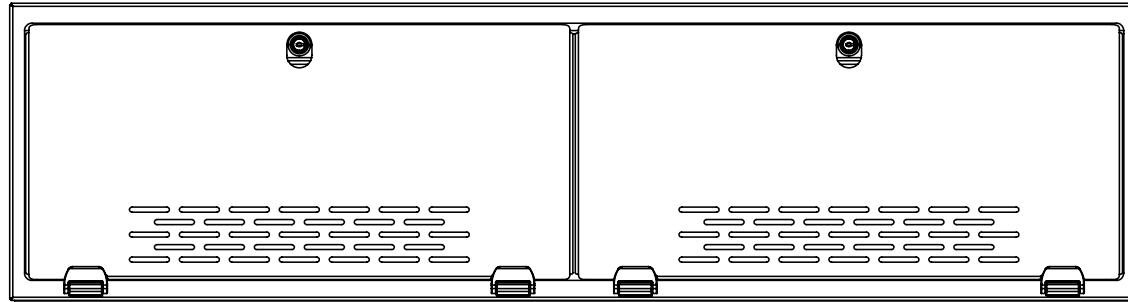


**1/4-20 X 0.75 FLANGED
BUTTON HEAD HEX DRIVE
SCREW**

QTY: 8

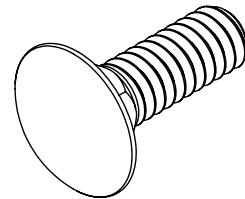
[SPO314B.4]

UTILITY ACCESS PANELS



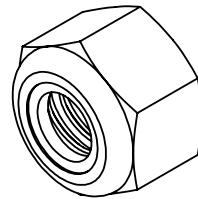
UTILITY ACCESS PANELS

QTY: 2



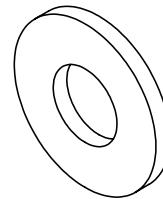
**1/4-20 X 0.75 SQUARE NECK
CARRIAGE BOLT**

QTY: 12



**1/4-20 NYLON INSERT
LOCKNUT**

QTY: 12

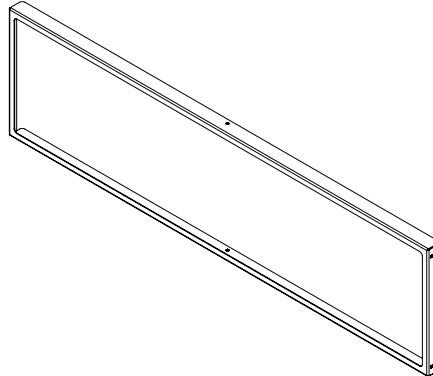


1/4 SCREW FLAT WASHER

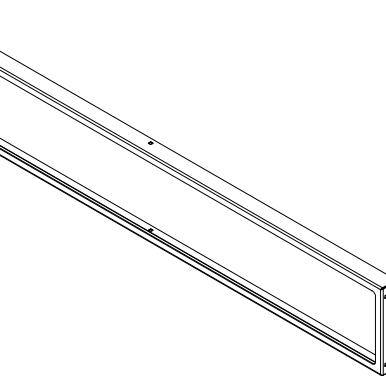
QTY: 12

[SPO314B.5]

SLIDING DOOR FRAMES



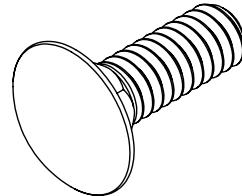
LARGE SLIDING DOOR CUBBY



SMALL SLIDING DOOR CUBBY

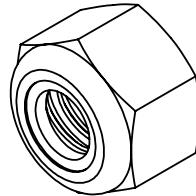
QTY: 1

QTY: 1



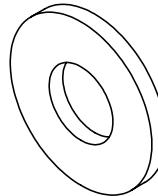
1/4-20 X 0.75 SQUARE NECK
CARRIAGE BOLT

QTY: 12



1/4-20 NYLON INSERT
LOCKNUT

QTY: 12

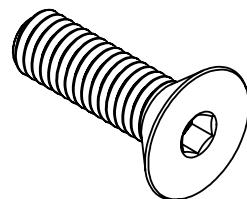


1/4 SCREW FLAT WASHER

QTY: 12

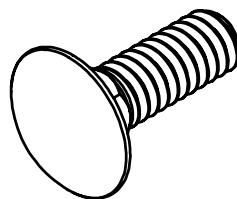
[SPO314B.6a]

CHEST TABLE ASSEMBLY



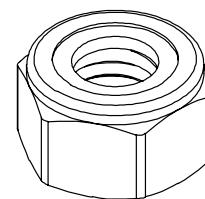
3/8-16 X 1.25 HEX DRIVE FLAT HEAD SCREW

QTY: 11



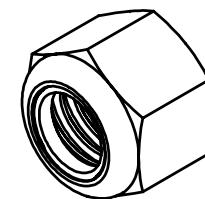
1/4-20 X 0.75 SQUARE NECK CARRIAGE BOLT

QTY: 3



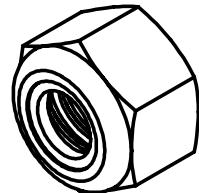
M8-1.25 NYLON INSERT LOCKNUT

QTY: 4



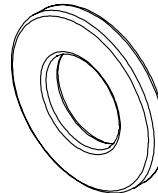
1/4-20 NYLON INSERT LOCKNUT

QTY: 3



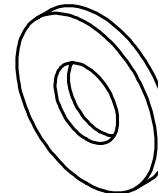
3/8-16 NYLON INSERT LOCKNUT

QTY: 15



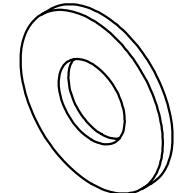
3/8 UHMW PLASTIC WASHER

QTY: 4



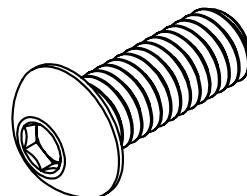
1/4 SCREW FLAT WASHER

QTY: 3



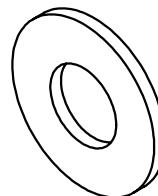
3/8 SCREW FLAT WASHER

QTY: 15



3/8-16 X 1 BUTTON HEAD HEX DRIVE SCREW

QTY: 4

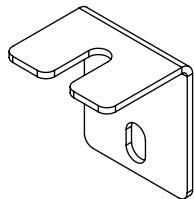


M8 FLAT WASHER

QTY: 4

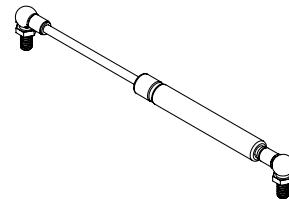
[SPO314B.6b]

CHEST TABLE ASSEMBLY



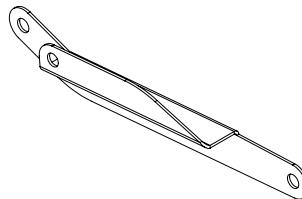
CENTER BRACKET

QTY: 1



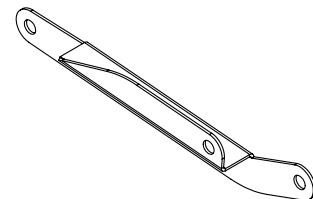
CHEST GAS STRUT

QTY: 2



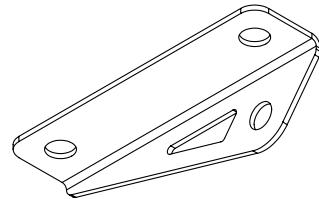
RIGHT CHEST STRUT BRACKET 1

QTY: 1



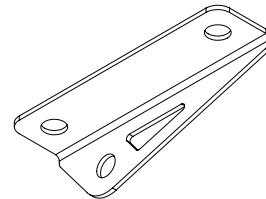
LEFT CHEST STRUT BRACKET 1

QTY: 1



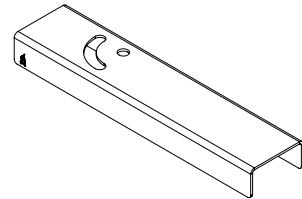
RIGHT CHEST STRUT BRACKET 2

QTY: 1



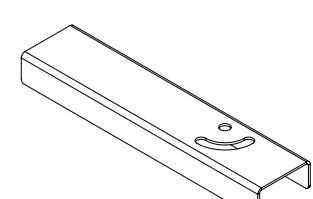
LEFT CHEST STRUT BRACKET 2

QTY: 1



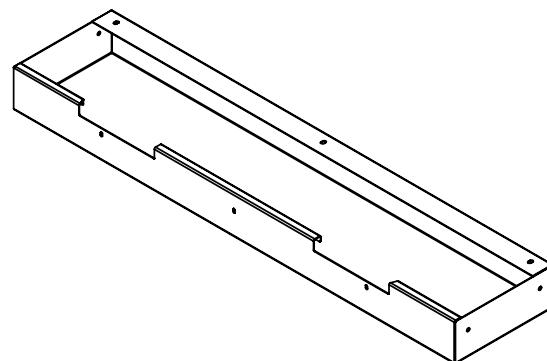
LEFT TABLE SUPPORT

QTY: 1



RIGHT TABLE SUPPORT

QTY: 1

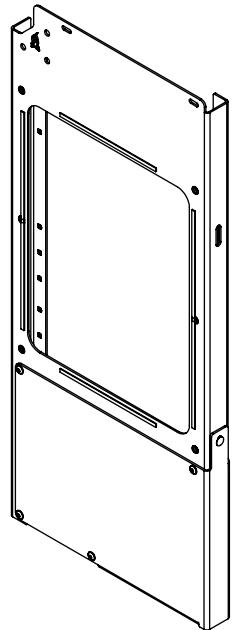


TOP TRAY

QTY: 1

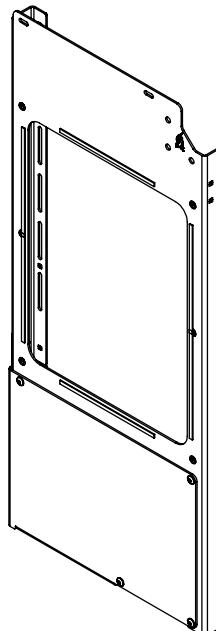
[SPO314B.7]

HINGE CABINET SIDE PANELS



RIGHT SIDE CABINET END

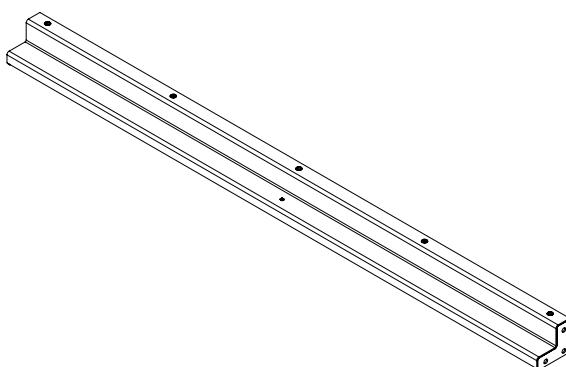
QTY: 1



LEFT SIDE CABINET END

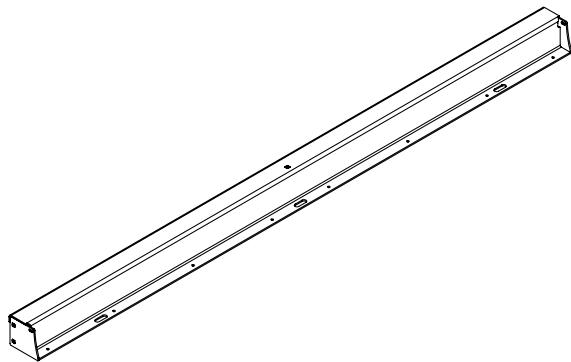
QTY: 1

[SPO314B.8a] HINGE CABINET STRETCHERS



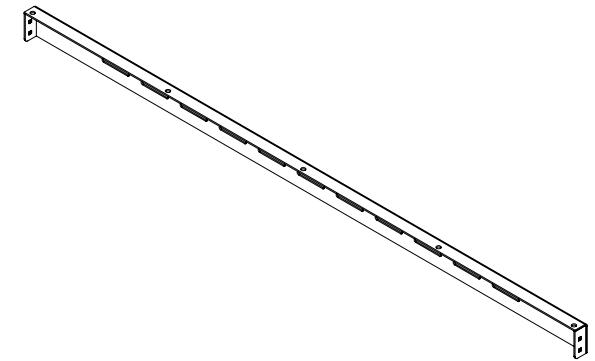
FRONT SUPPORT

QTY: 1



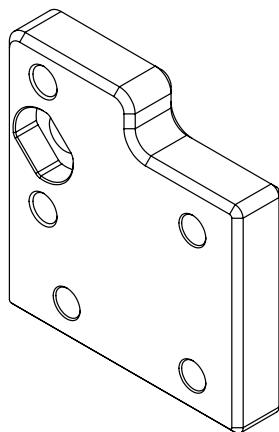
TOE KICK

QTY: 1



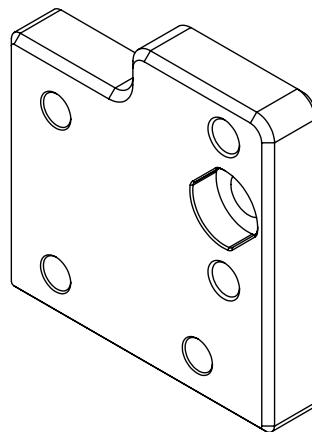
BACK SUPPORT

QTY: 1



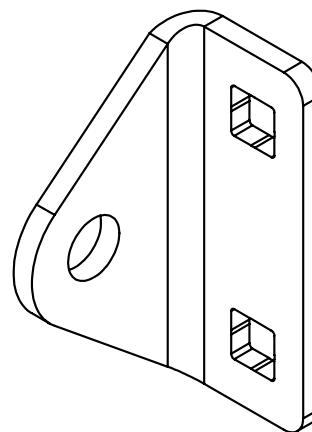
RH HINGE PLATE

QTY: 1



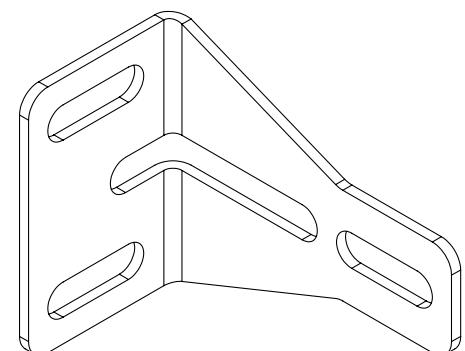
LH HINGE PLATE

QTY: 1



BED STRUT BRACKET

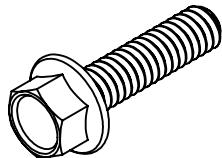
QTY: 2



WALL MOUNTING BRACKETS

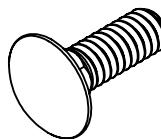
QTY: 2

[SPO314B.8b] HINGE CABINET STRETCHERS



1/4-20 X 1 FLANGED
HEX HEAD SCREW

QTY: 2



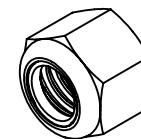
1/4-20 X 0.75 SQUARE
NECK CARRIAGE BOLT

QTY: 12



1/4-20 NYLON INSERT
LOCKNUT

QTY: 16



3/8-16 NYLON INSERT
LOCKNUT

QTY: 6



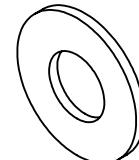
1/4-20 X 0.027-0.165 THK HEAVY
DUTY RIVET NUT

QTY: 2



1/4 SCREW FLAT WASHER

QTY: 18



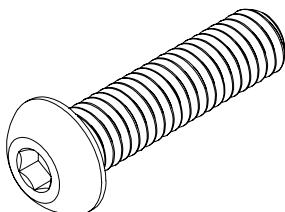
3/8 SCREW FLAT WASHER

QTY: 6



1/4-20 X 0.75 FLANGED
BUTTON HEAD HEX DRIVE
SCREW

QTY: 14

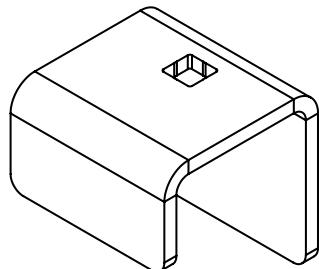


3/8-16x1.5 HEX DRIVE
BUTTON HEAD SCREW

QTY: 6

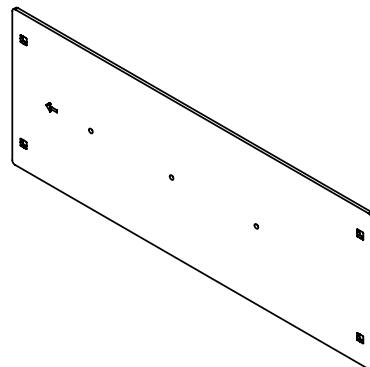
[SPO314B.9]

DRAWER COMPONENTS



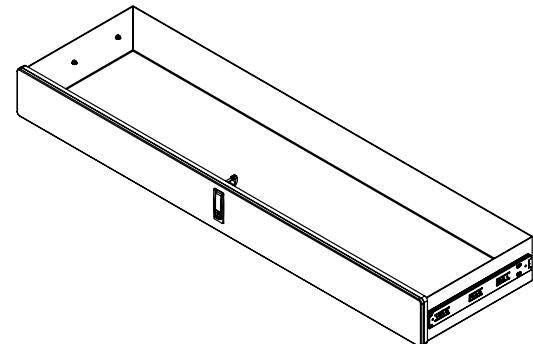
DRAWER CATCH

QTY: 1



DRAWER SLIDE PLATE

QTY: 2



DRAWER

QTY: 1



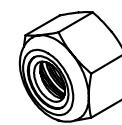
**1/4-20 X 0.75 SQUARE NECK
CARRIAGE BOLT**

QTY: 9



1/4 SCREW FLAT WASHER

QTY: 9



1/4-20 NYLON INSERT LOCKNUT

QTY: 9



8-32 NYLON INSERT LOCKNUT

QTY: 6



**8-32 X .5" BUTTON HEAD HEX
DRIVE SCREW**

QTY: 6

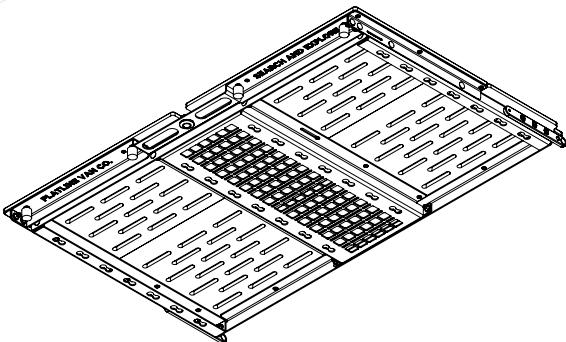


#8 WASHER

QTY: 6

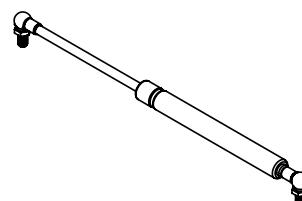
[SPO314B.10]

BED FRAME ASSEMBLY



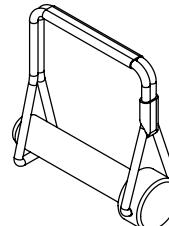
BED FRAME

QTY: 1



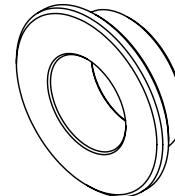
BED GAS STRUT

QTY: 2



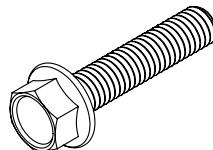
HINGE PIN WIRE LOCK

QTY: 1



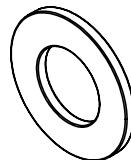
PIVOT BUSHINGS

QTY: 4



3/8-16 X 1.75 FLANGED HEX HEAD SCREW

QTY: 10



1/2 OVERSIZED FLAT WASHER

QTY: 2



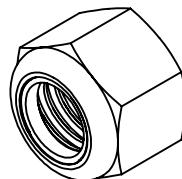
3/8 OVERSIZED FLAT WASHER

QTY: 10



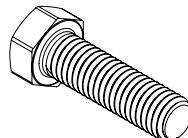
MOUNTING WASHER

QTY: 10



0.5-13 NYLON INSERT LOCKNUT

QTY: 2



0.5-13 X 1.75 HEX HEAD SCREW

QTY: 2



M8 X 1.25mm CAP NUT

QTY: 2

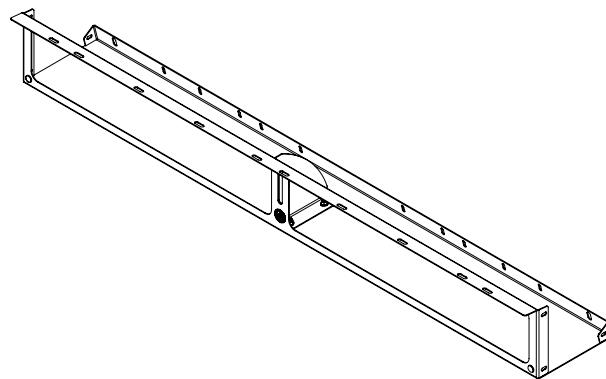


3/8-16 NYLON INSERT LOCKNUT

QTY: 10

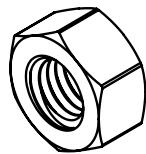
[SPO314B.11]

OVERHEAD SHELF



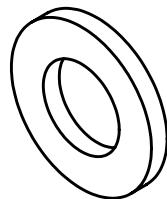
OVERHEAD SHELF

QTY: 1



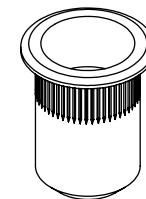
M12X1.75MM HEX NUT

QTY: 2



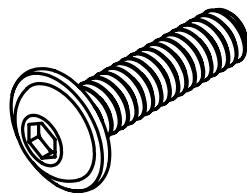
M12 WASHER

QTY: 2



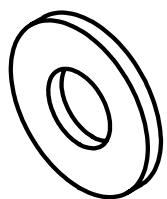
1/4-20 X 0.027-0.165 THK HEAVY DUTY RIVET NUT

QTY: 5



1/4-20 X 1 FLANGED BUTTON HEAD HEX DRIVE SCREW

QTY: 5



1/4 SCREW FLAT WASHER

QTY: 5

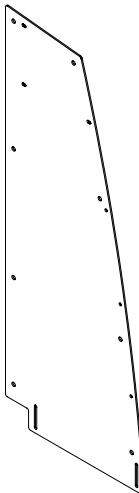


12MM BALL STUD

QTY: 1

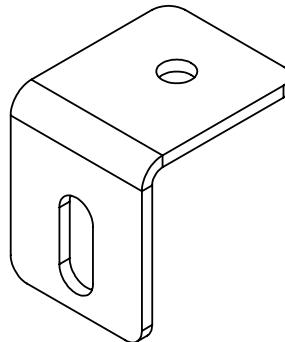
[SPO314B.12]

END CAP COVERS



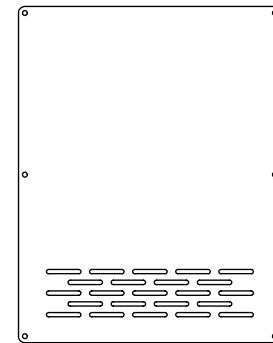
TALL END CAP

QTY: 2



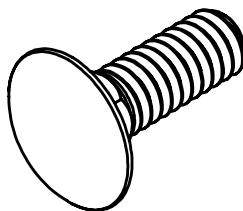
END CAP WALL BRACKET

QTY: 6



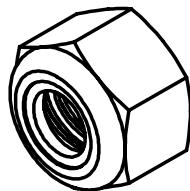
END COVER PLATE

QTY: 4



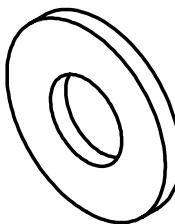
**1/4-20 X 0.75 SQUARE NECK
CARRIAGE BOLT**

QTY: 6



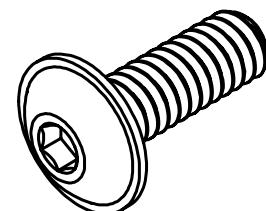
1/4-20 NYLON INSERT LOCKNUT

QTY: 16



1/4 SCREW FLAT WASHER

QTY: 16

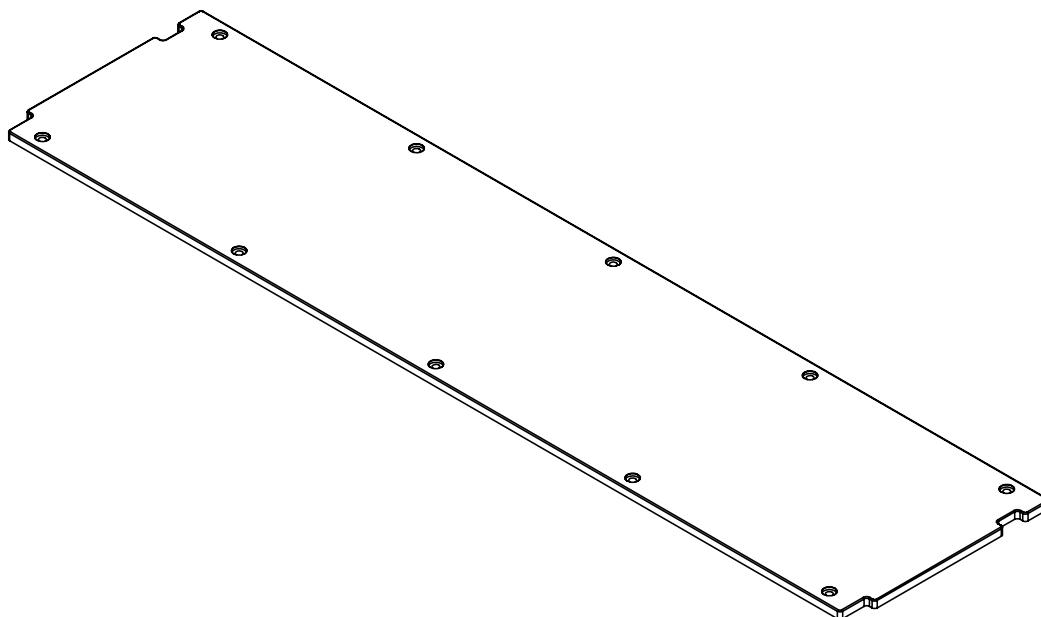


**1/4-20 X 0.75 FLANGED
BUTTON HEAD HEX DRIVE
SCREW**

QTY: 34

[SPO314B.13]

HINGE CABINET TOP

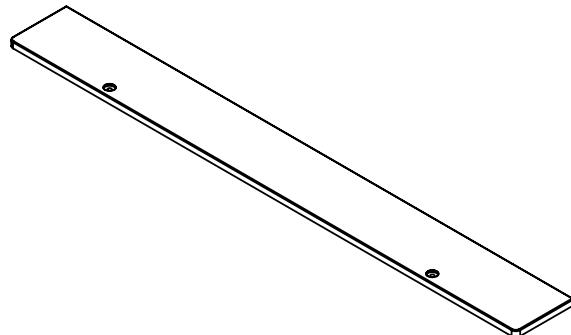


BAMBOO CABINET TOP

QTY: 1

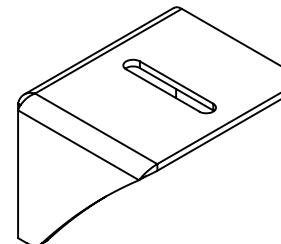
[SPO314B.14]

FLARE WINGS



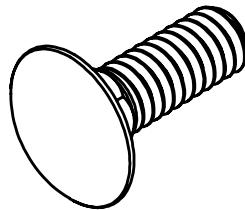
WING FLARE

QTY: 2



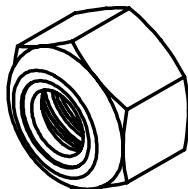
WING FLARE SUPPORT BRACKET

QTY: 4



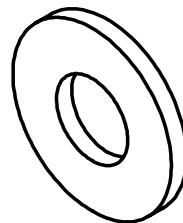
1/4-20 X 0.75 SQUARE NECK
CARRIAGE BOLT

QTY: 4



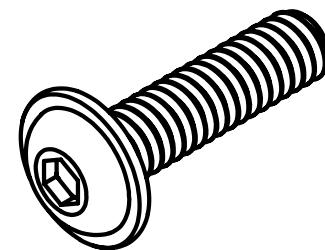
1/4-20 NYLON INSERT LOCKNUT

QTY: 8



1/4 SCREW FLAT WASHER

QTY: 8



1/4-20 X 1 FLANGED BUTTON
HEAD HEX DRIVE SCREW

QTY: 4

[SPO314B.15]

SLIDING DOORS



LARGE SLIDING DOORS

QTY: 2

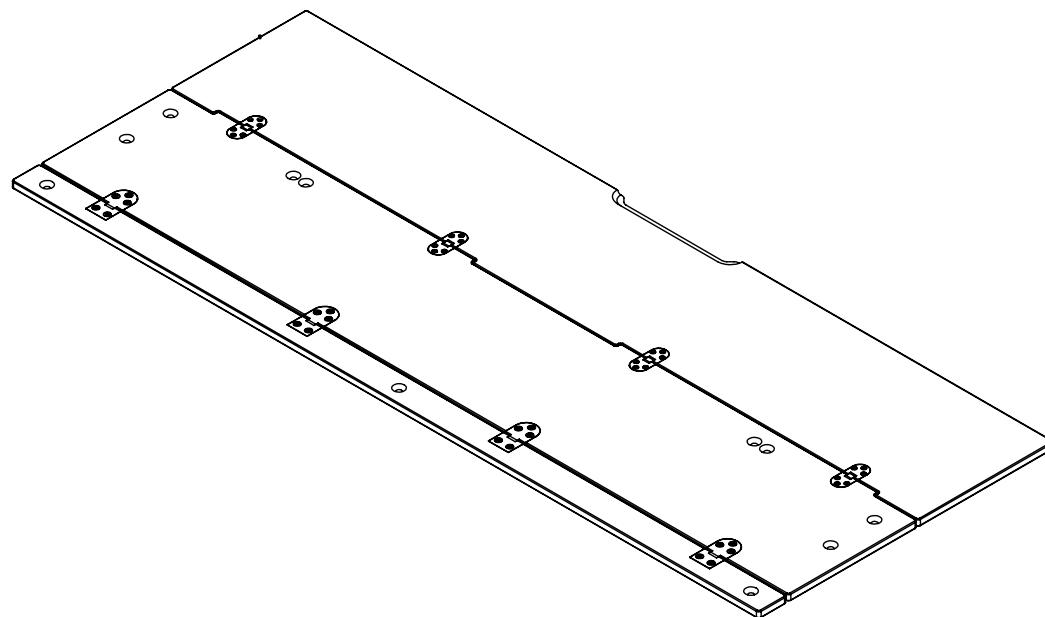


SMALL SLIDING DOORS

QTY: 2

[SPO314B.16]

FOLDING TABLE TOP

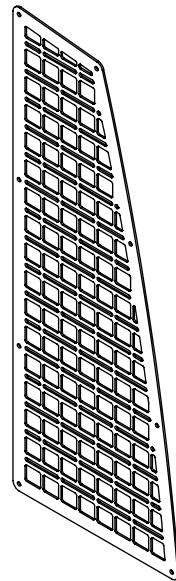


FOLDING TABLE TOP

QTY: 1

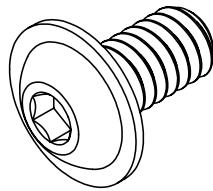
[SPO314B.17]

MOLLE PANELS



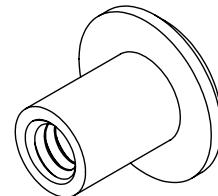
BED SIDE MOLLE PANEL

QTY: 2



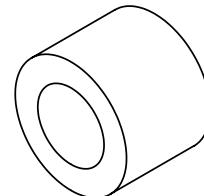
**1/4-20 X 0.5 FLANGED BUTTON
HEAD HEX DRIVE SCREWS**

QTY: 12



**1/4-20 X 0.49 BINDING
BARREL**

QTY: 12



PANEL STANDOFF

QTY: 12

INSTALL

STEP | 01 LAYOUT AND INSTALL PREP

1.1 Inspect Murphy Bed Crate: The FVC Sprinter Murphy Bed System is shipped in a Crate comprising of 17 Boxes inside. See FIG 1 for box designations and the way you'll find them stacked inside. We recommend leaving everything boxed up until directed to open them in each of the following steps.

SP0314B.1 - Table Cabinet Side Panels

SP0314B.2 - Table Cabinet Stretcher/Toe Kick

SP0314B.3 - Cabinet Shelves and Side Panels

SP0314B.4 - Utility Access Panels

SP0314B.5 - Sliding Door Frames

SP0314B.6 - Chest Table Assembly

SP0314B.7 - Hinge Cabinet Side Panels

SP0314B.8 - Hinge Cabinet Stretcher/Toe Kick

SP0314B.9 - Drawer

SP0314B.10 - Bed Frame Assembly

SP0314B.11 - Overhead Shelf

SP0314B.12 - End Cap Covers

SP0314B.13 - Hinge Cabinet Top

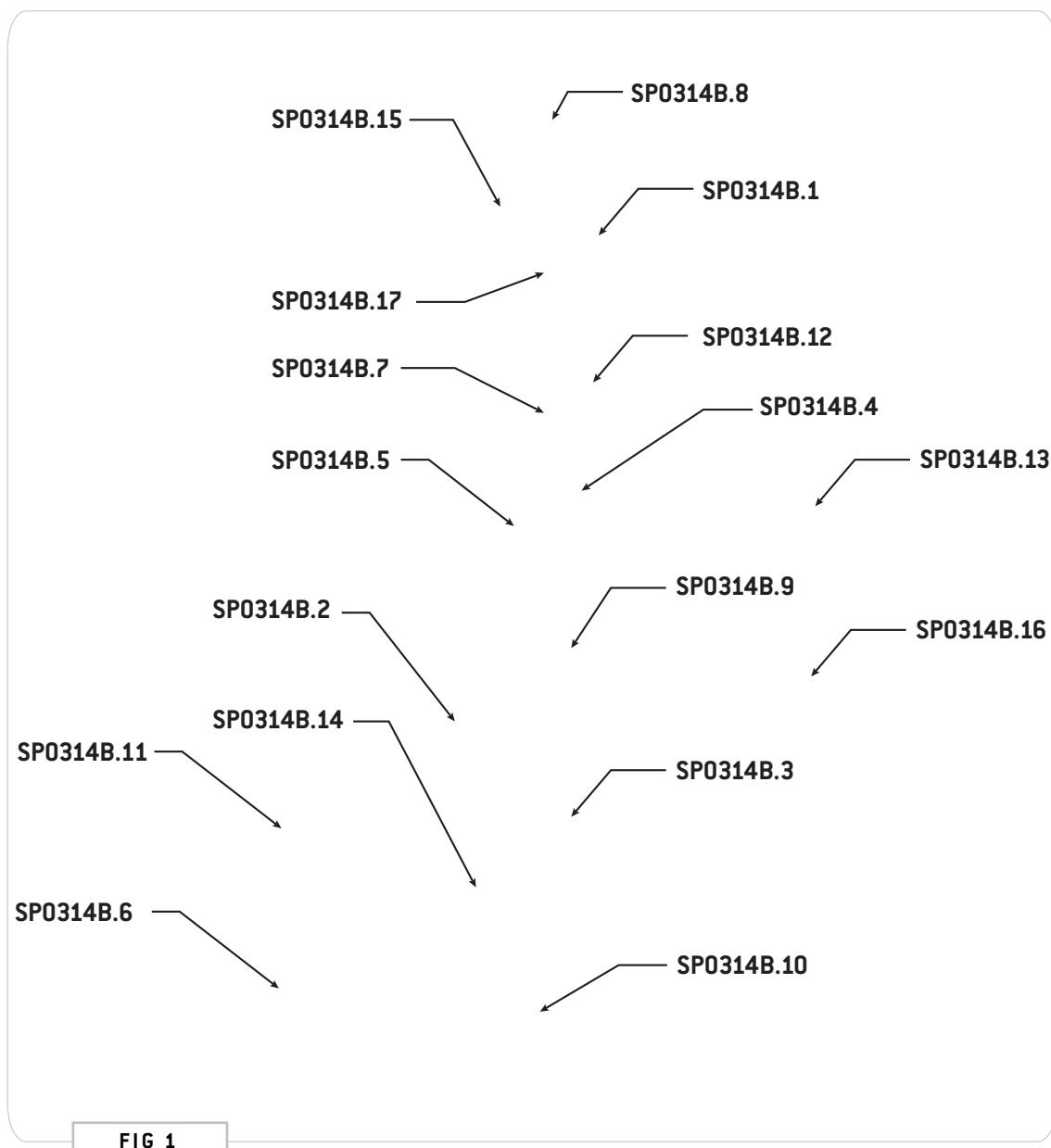
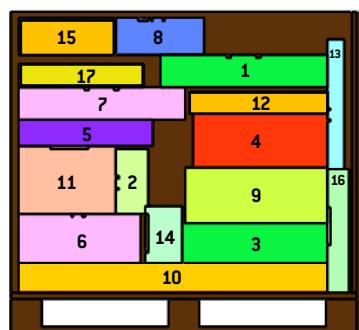
SP0314B.14 - Flare Wings

SP0314B.15 - Sliding Doors

SP0314B.16 - Folding Table Top

SP0314B.17 - Molle Panels

(SIDE VIEW OF CRATE) ----->



PARTS NEEDED:

- + RH TABLE CABINET END (SP0314B.1)
- + LH TABLE CABINET END (SP0314B.1)
- + LANDING FLANGE (SP0314B.2)

TOOLS REQUIRED FOR THIS STEP:

- + 7/32" ALLEN WRENCH
- + 9/16" WRENCH OR SOCKET

STEP | 02 TABLE SIDE ASSEMBLY

2.1 Assemble Cabinet Ends and Flange: Attach Left-Hand and Right-Hand Cab Ends to Landing Flange using (2) 3/8-16 x 0.75 Button Head Screws, Flat Washer and Nylon Locknuts.



FIG 2



FIG 3



FIG 4

PARTS NEEDED: + TOE KICK (SP0314B.2)

TOOLS REQUIRED FOR THIS STEP: + 7/16" WRENCH OR SOCKET

STEP | 02 TABLE SIDE ASSEMBLY

2.2 Assemble Cabinet Ends and Toe Kick: Attach Toe Kick to Left-Hand and Right-Hand Cab Ends using (4) 1/4-20 x 0.75 Square Neck Carriage Bolts, Flat Washers and Nylon Locknuts.



FIG 5



FIG 6

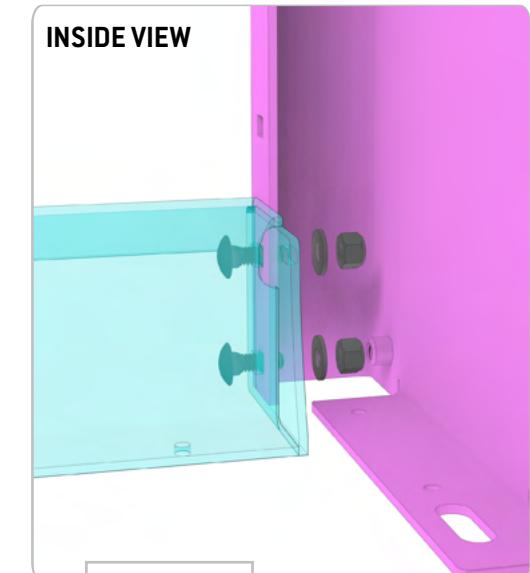


FIG 7

PARTS NEEDED:

- + TOP TRAY (SP0314B.6)
- + RH CHEST STRUT BRACKET (SP0314B.6)
- + LH CHEST STRUT BRACKET (SP0314B.6)

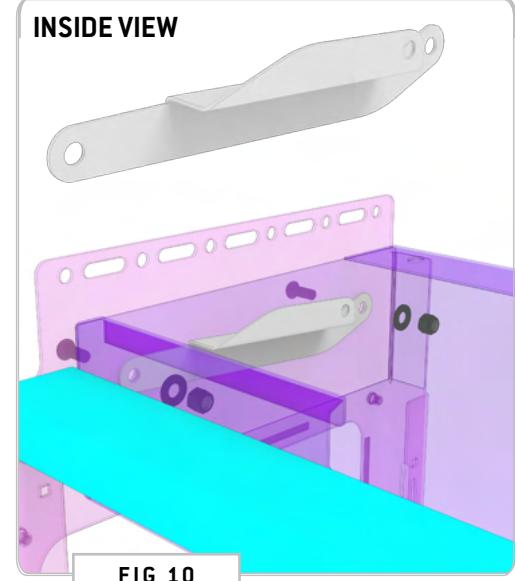
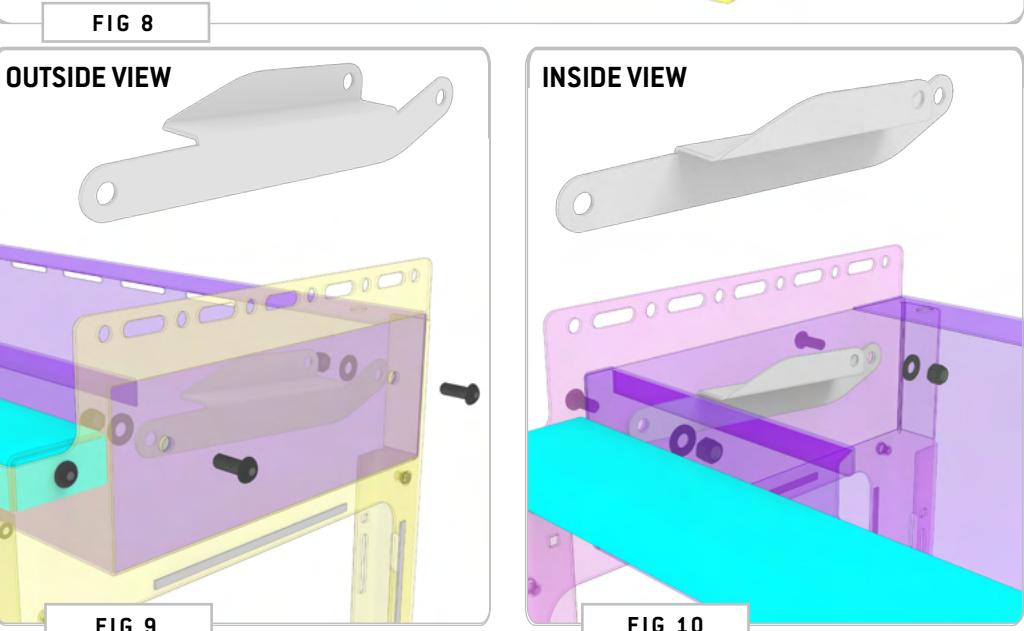
TOOLS REQUIRED FOR THIS STEP:

- + 7/32" ALLEN WRENCH
- + 9/16" WRENCH OR SOCKET

STEP | 02 TABLE SIDE ASSEMBLY

2.3 Attach Top Tray and Strut Brackets: Attach Top Tray and Strut Brackets to Left-Hand and Right-Hand Cab Ends using (4) 3/8-16 x 1 Button Head Screws, Flat Washers and Nylon Locknuts.

NOTE - The Strut Brackets are *directional*. See **FIG 9** for **right-side** and **FIG 10** for **left-side** orientation.



PARTS NEEDED:

TOOLS REQUIRED FOR THIS STEP: + 7/16" WRENCH OR SOCKET

STEP | 02 TABLE SIDE ASSEMBLY

2.4 Attach Top Tray to Landing Flange: Fasten Top Tray to Landing Flange using (2) 1/4-20 x 0.75 Square Neck Carriage Bolts, Flat Washers and Nylon Locknuts.



FIG 11

OUTSIDE VIEW



FIG 12

INSIDE VIEW

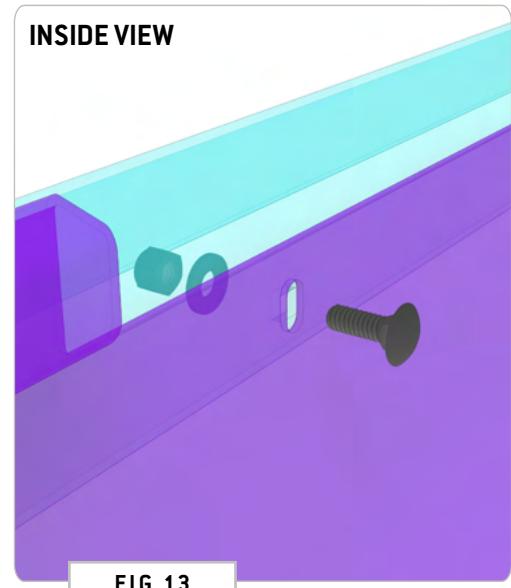


FIG 13

PARTS NEEDED: + CHEST GAS STRUTS (SP0314B.6)

TOOLS REQUIRED FOR THIS STEP: + 12MM WRENCH
+ 13MM WRENCH

STEP | 02 TABLE SIDE ASSEMBLY

2.5 Attach Gas Struts to Brackets: Fasten Gas Struts to the Left and Right Side Chest Strut Brackets in the orientation shown in FIG 14 using (2) M8 Nylon Locknuts and Flat Washers (FIG 15).

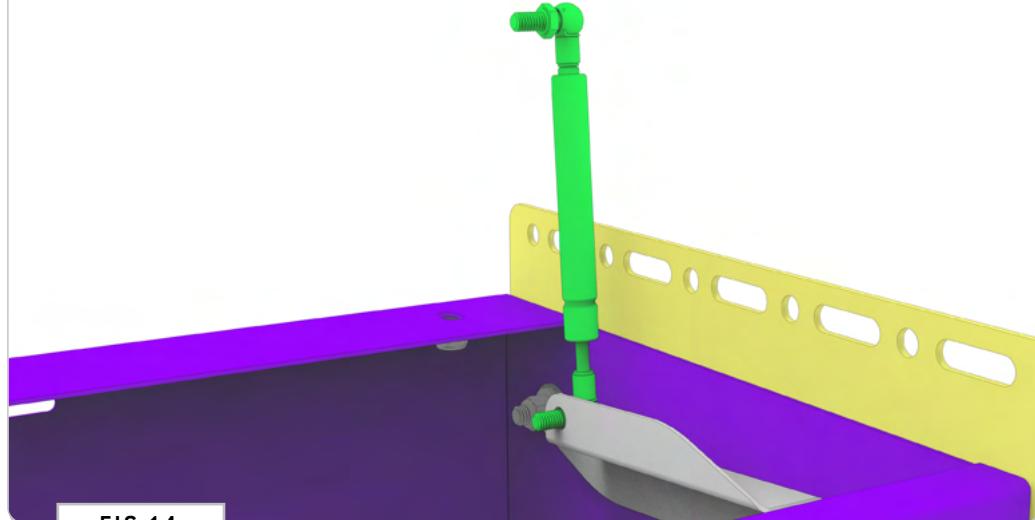


FIG 14

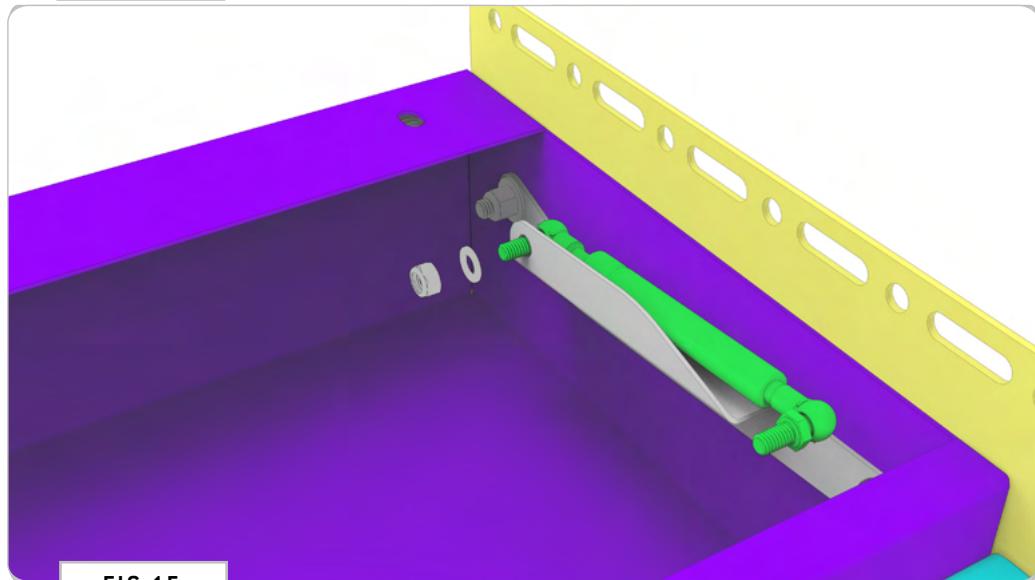


FIG 15

PARTS NEEDED:

- + RH CHEST STRUT BRACKET 2 (SP0314B.6)
- + LH CHEST STRUT BRACKET 2 (SP0314B.6)
- + LEFT TABLE SUPPORT (SP0314B.6)
- + RIGHT TABLE SUPPORT (SP0314B.6)
- + FOLDING TABLE TOP (SP0314B.16)

TOOLS REQUIRED FOR THIS STEP:

- + 7/32" ALLEN WRENCH
- + 9/16" WRENCH OR SOCKET

STEP | 02 TABLE SIDE ASSEMBLY

2.6 Attach Strut and Support Brackets to Table Top: Fasten Left and Right Strut Brackets and Left and Right Support Brackets to Folding Table Top using (2ea) 3/8-16 x 1.25 Hex Drive Flat Head Screws, 3/8" Plastic Washers, Flat Washers and Nylon Locknuts (in that order, **FIG 17**).

NOTE - Tighten the hardware for the Support Brackets to the point that they are able to swing in and out with only slight resistance.

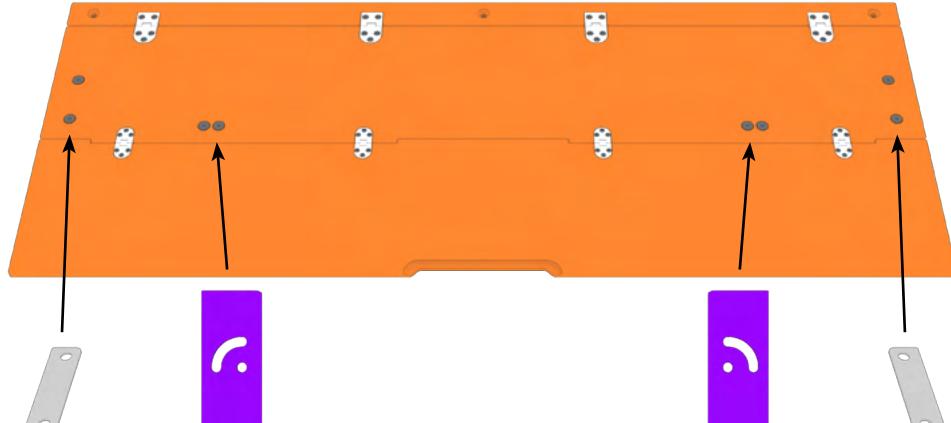


FIG 16

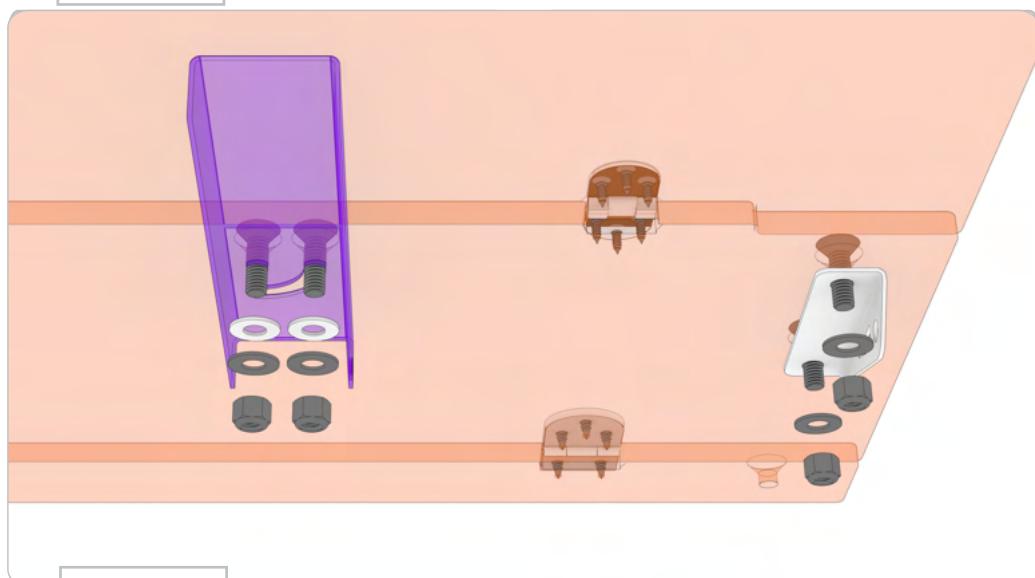


FIG 17

PARTS NEEDED:

TOOLS REQUIRED FOR THIS STEP: + 7/32" ALLEN WRENCH
+ 9/16" WRENCH OR SOCKET

STEP | 02 TABLE SIDE ASSEMBLY

2.7 Attach Table Top to Top Tray: Attach the **Table Top** to the **Top Tray** using **(3) 3/8-16 x 1.25 Hex Drive Flat Head Screws, Flat Washers and Nylon Locknuts** in the locations shown in FIG 18.

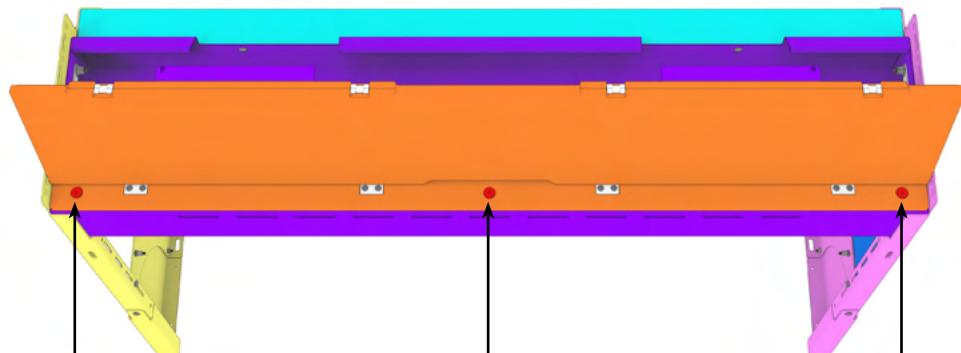


FIG 18

OUTSIDE VIEW



FIG 19

INSIDE VIEW

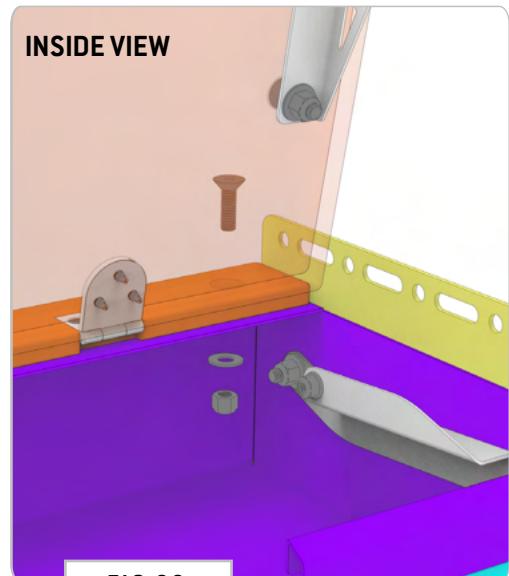


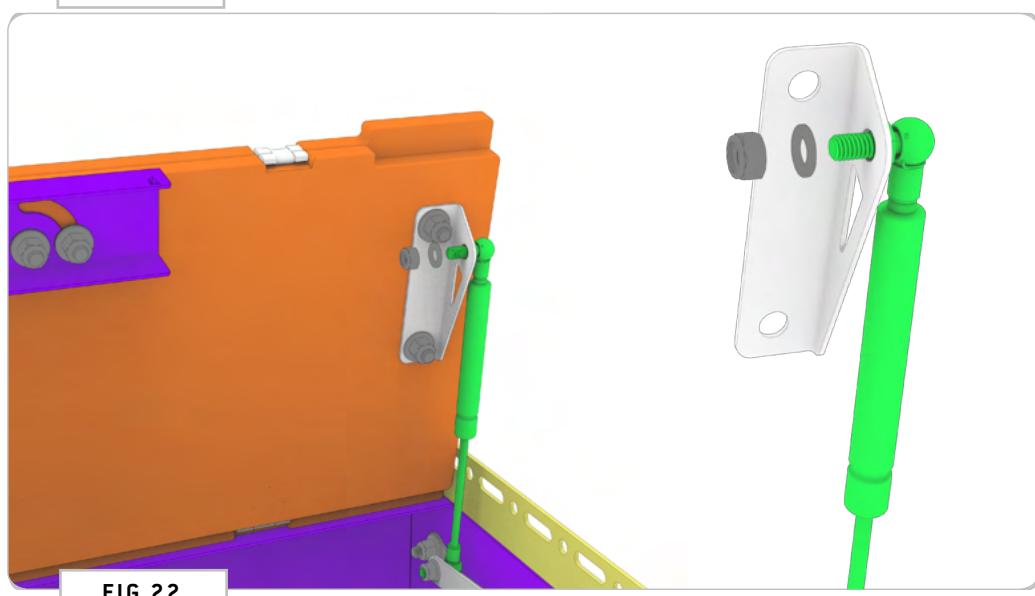
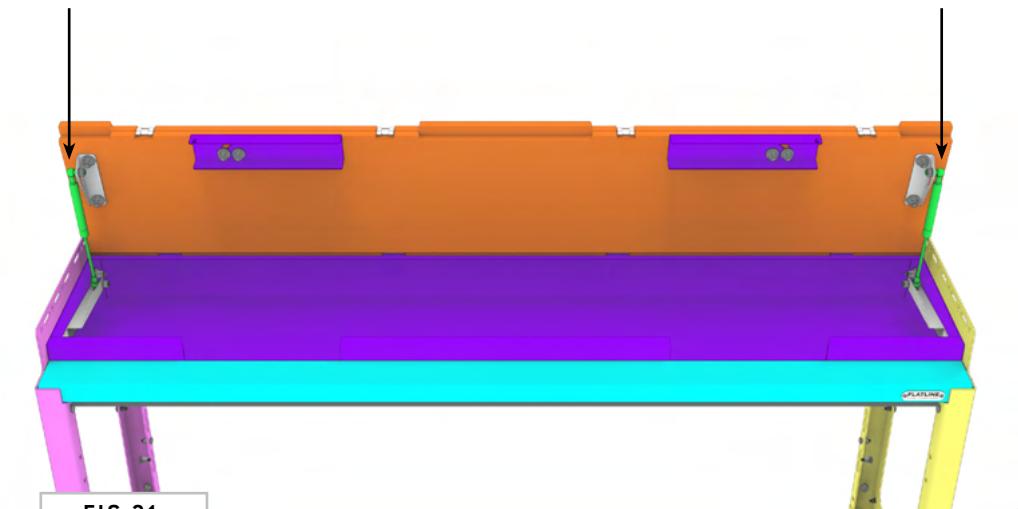
FIG 20

PARTS NEEDED:

TOOLS REQUIRED FOR THIS STEP: + 12MM WRENCH
+ 13MM WRENCH

STEP | 02 TABLE SIDE ASSEMBLY

2.8 Attach Table Top to Gas Struts: Attach the Table Top to the Gas Struts inside the Top Tray using **(1ea) M8 Flat Washers** and **Nylon Locknuts** in the locations shown in FIG 21+22.



PARTS NEEDED:

TOOLS REQUIRED FOR THIS STEP:

STEP | 02 TABLE SIDE ASSEMBLY

2.9 Choose Table Side Configuration: You may choose to have the **Utility Access Panels** or the **Sliding Doors** on either the **top** or the **bottom** of your **Middle Tray**, depending on your needs. See **FIG 23** and **24** for visuals of both options. For best results, we'll be starting with the bottom set of doors.



FIG 23



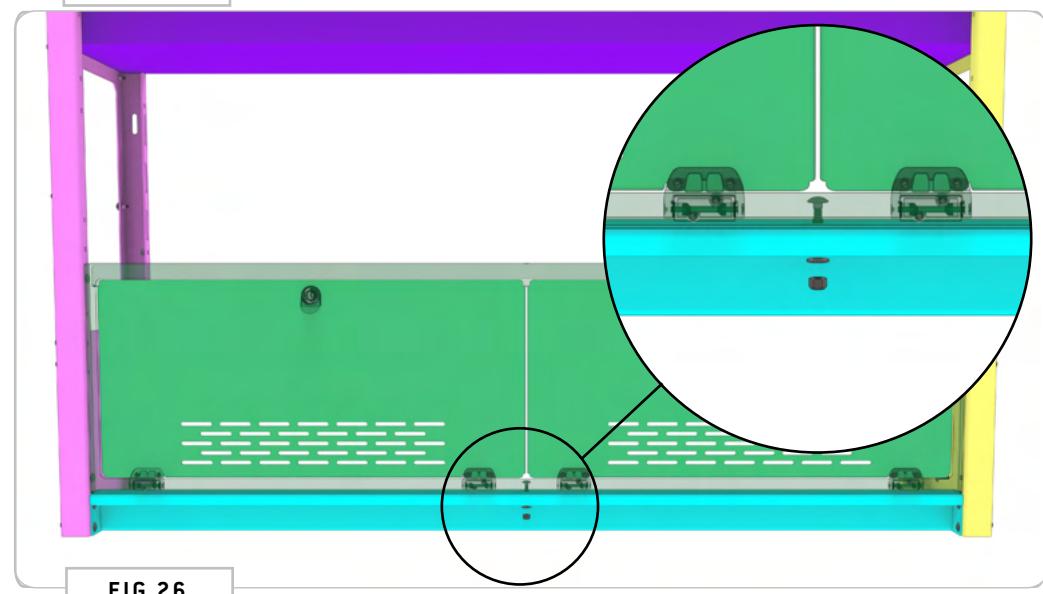
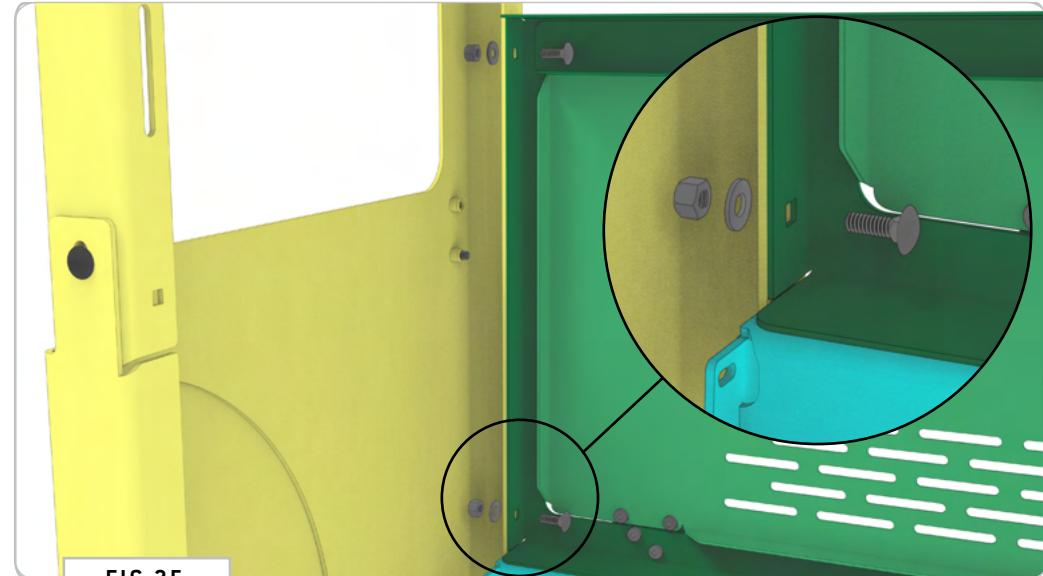
FIG 24

PARTS NEEDED: + UTILITY ACCESS PANELS (SP0314B.4)
OR
+ LARGE SLIDING DOOR CUBBY (SP0314B.5)

TOOLS REQUIRED FOR THIS STEP: + 7/16" WRENCH OR SOCKET

STEP | 02 TABLE SIDE ASSEMBLY

2.10 Install Bottom Doors: The mounting holes and hardware for the **Large Sliding Door Cubby** and **Utility Access Panels** are the same. Attach your selection of **Bottom Doors** to the **Left and Right Cabinet Ends** using **(4) 1/4-20 x 0.75 Square Neck Carriage Bolts, Flat Washers and Nylon Locknuts** (FIG 25). There's a final mounting location in the middle of the unit that will take **(1) 1/4-20 x 0.75 Square Neck Carriage Bolt, Flat Washer and Nylon Locknut** to finish out this step (FIG 26).



PARTS NEEDED: + CABINET SHELF ASSEMBLY (SP0314B.3)

TOOLS REQUIRED FOR THIS STEP: + 7/16" WRENCH OR SOCKET

STEP | 02 TABLE SIDE ASSEMBLY

2.11 Install Cabinet Shelf Assembly: Attach the **Cabinet Shelf Assembly** to the **Left and Right Cabinet Ends** using **(4) 1/4-20 x 0.75 Square Neck Carriage Bolts, Flat Washers and Nylon Locknuts** (FIG 27). There's a final mounting location in the middle of the unit that will take **(1) 1/4-20 x 0.75 Square Neck Carriage Bolt, Flat Washer and Nylon Locknut** to finish out this step (FIG 28).

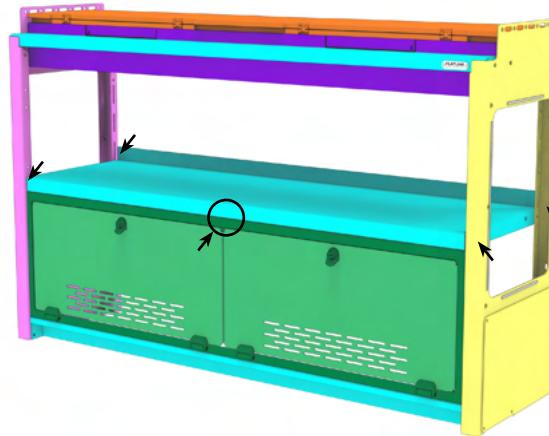


FIG 27

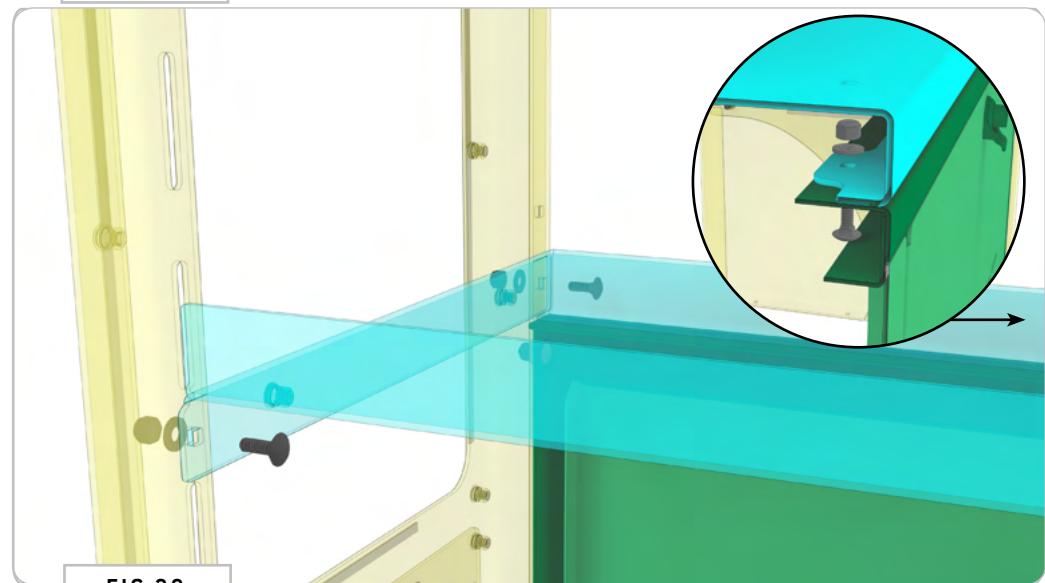


FIG 28

PARTS NEEDED: + SHELF SIDE PLATES (SP0314B.3)

TOOLS REQUIRED FOR THIS STEP: + 3/16" ALLEN WRENCH

STEP | 02 TABLE SIDE ASSEMBLY

2.12 Install Shelf Side Plates: Attach the Shelf Side Plates to the pre-threaded holes of the Cabinet Shelf Assembly using (2ea) 1/4-20 x 0.75 Flanged Button Head Screws (FIG 30).

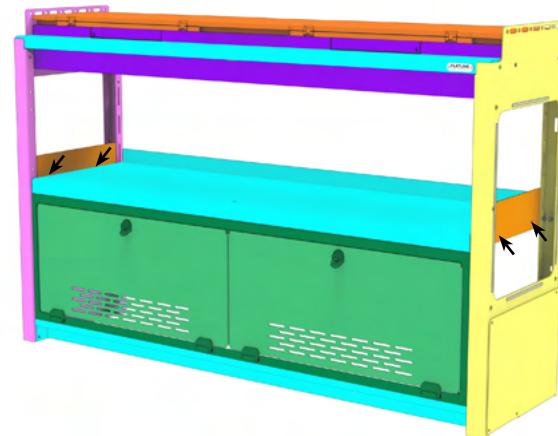


FIG 29

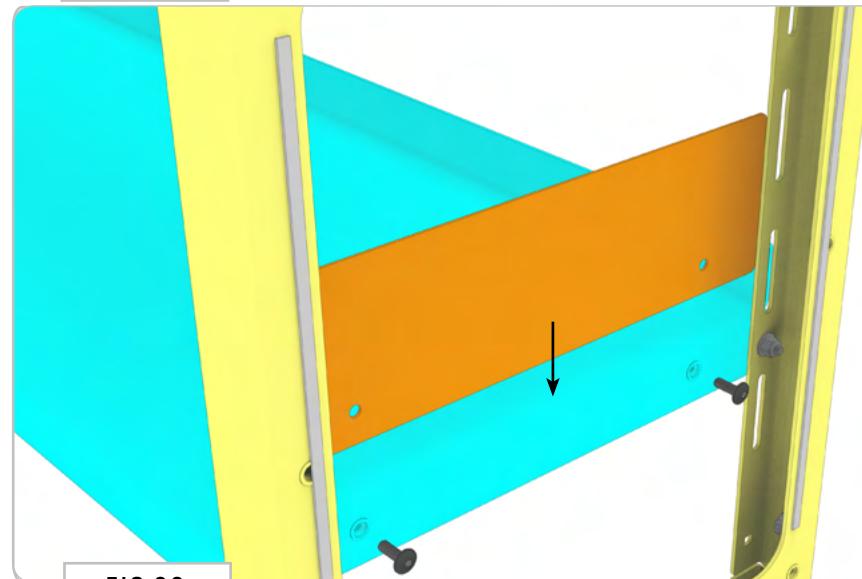


FIG 30

PARTS NEEDED: + CENTER SUPPORT BRACKET (SP0314B.6)

TOOLS REQUIRED FOR THIS STEP: + 7/16" WRENCH OR SOCKET

STEP | 02 TABLE SIDE ASSEMBLY

2.13 Install Center Bracket: Attach the Center Support Bracket to the middle of the Landing Flange using (1) 1/4-20 x 0.75 Square Neck Carriage Bolts, Flat Washers and Nylon Locknuts (FIG 32).

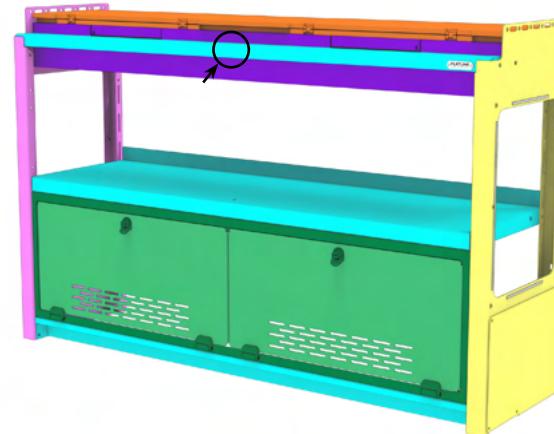


FIG 31

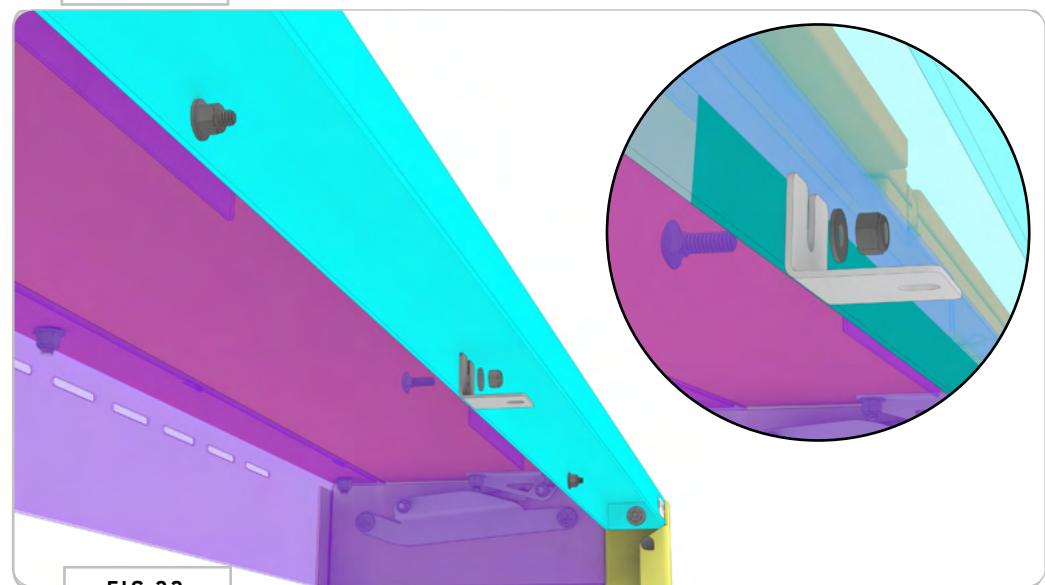


FIG 32

PARTS NEEDED:

- + UTILITY ACCESS PANELS (SP0314B.4)
OR
- + LARGE SLIDING DOOR CUBBY (SP0314B.5)

TOOLS REQUIRED FOR THIS STEP:

- + 7/16" WRENCH OR SOCKET

STEP | 02 TABLE SIDE ASSEMBLY

2.14 Install Upper Doors: The mounting holes and hardware for the **Sliding Doors** and **Utility Access Panels** are the same. Attach your selection of **Upper Doors** to the **Left and Right Cabinet Ends** using **(4) 1/4-20 x 0.75 Square Neck Carriage Bolts, Flat Washers and Nylon Locknuts** (FIG 33). Finish by attaching it to the **Center Bracket** **(1) 1/4-20 x 0.75 Square Neck Carriage Bolt, Flat Washer and Nylon Locknut** to finish out this step (FIG 34).



FIG 33

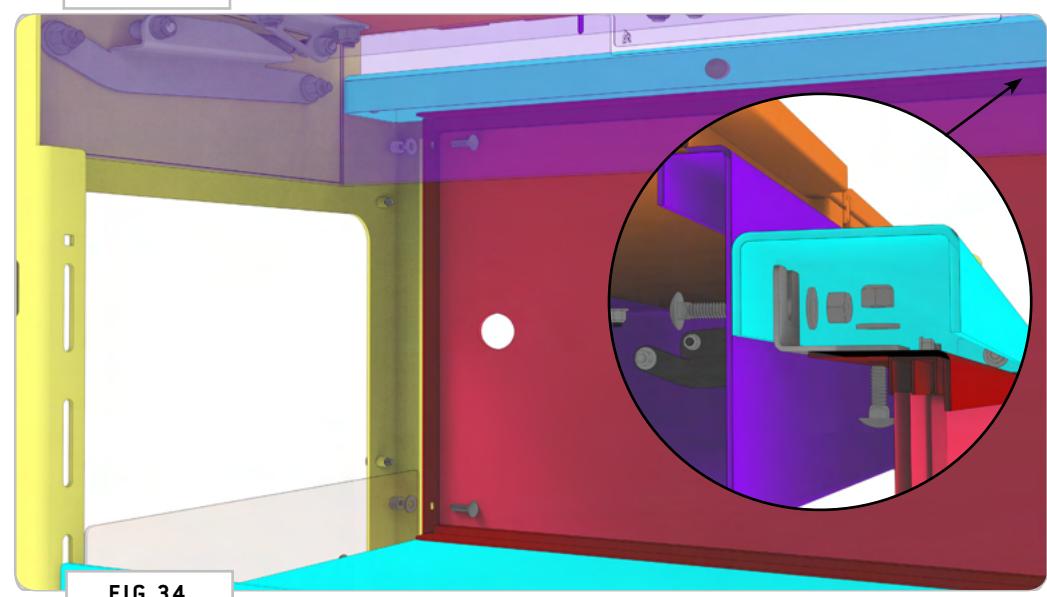


FIG 34

PARTS NEEDED:

- + RH HINGE CABINET END (SP0314B.7)
- + LH HINGE CABINET END (SP0314B.7)
- + FRONT SUPPORT (SP0314B.8)
- + RH HINGE PLATE (SP0314B.8)
- + LH HINGE PLATE (SP0314B.8)

TOOLS REQUIRED FOR THIS STEP:

- + 9/16" WRENCH OR SOCKET
- + 7/32" ALLEN WRENCH

STEP | 03 HINGE SIDE ASSEMBLY

3.1 Attach Left and Right Side Cabinet Ends to Front Support:
 Sandwich the **Left and Right Hinge Plates** between the **Left and Right Side Cabinet Ends** and the **Front Support** and fasten together using **(3ea) 3/8-16 x 1.5 Button Head Screws, Flat Washers and Nylon Locknuts** (FIG 36).

NOTE - Notice that the **Hinge Plates** are **directional**. See FIG 35 for the orientation of the left and right side plates.



FIG 35

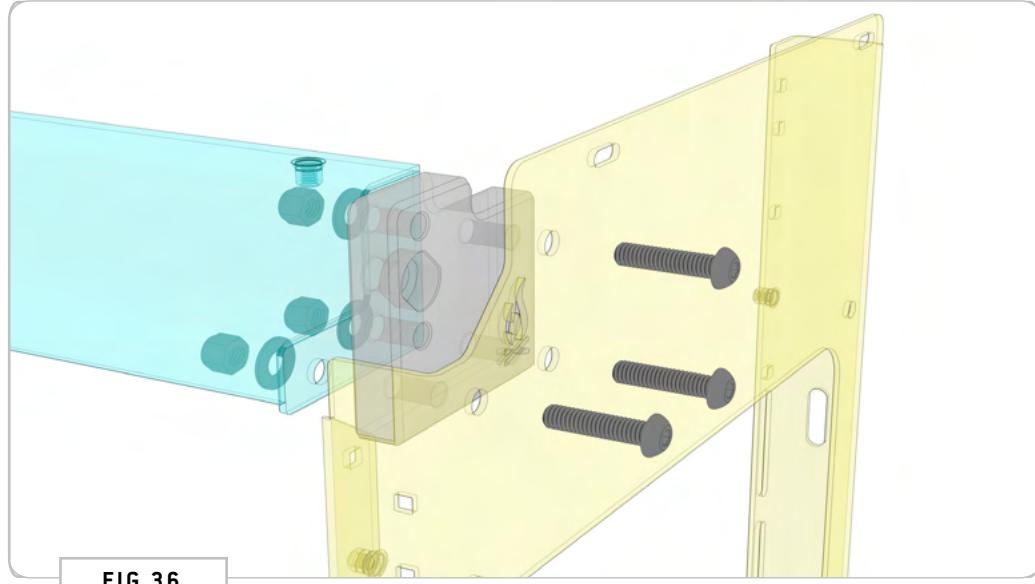


FIG 36

PARTS NEEDED: + BACK SUPPORT (SP0314B.8)

TOOLS REQUIRED FOR THIS STEP: + 7/16" WRENCH OR SOCKET

STEP | 03 HINGE SIDE ASSEMBLY

3.2 Attach Left and Right Side Cabinet Ends to Back Support:
Attach the Left and Right Side Cabinet Ends to the Back Support using (4) 1/4-20 Square Neck Carriage Bolts, Flat Washers and Nylon Locknuts (FIG 38).



FIG 37

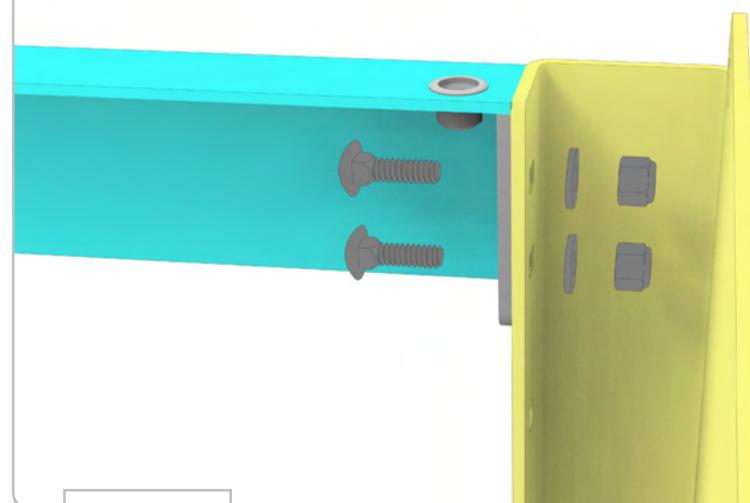


FIG 38

PARTS NEEDED: + BED STRUT BRACKET (SP0314B.8)

TOOLS REQUIRED FOR THIS STEP: + 7/16" WRENCH OR SOCKET

STEP | 03 HINGE SIDE ASSEMBLY

3.3 Attach Bed Strut Brackets Left and Right Side Cabinet Ends: Attach the Left and Right Side Cabinet Ends to the Front Support using (2ea) 1/4-20 Flanged Button Head Screws, Flat Washers and Nylon Locknuts (FIG 40).

NOTE - Make sure that the flange of the **Strut Brackets** are pointed toward the center of the bed.



FIG 39

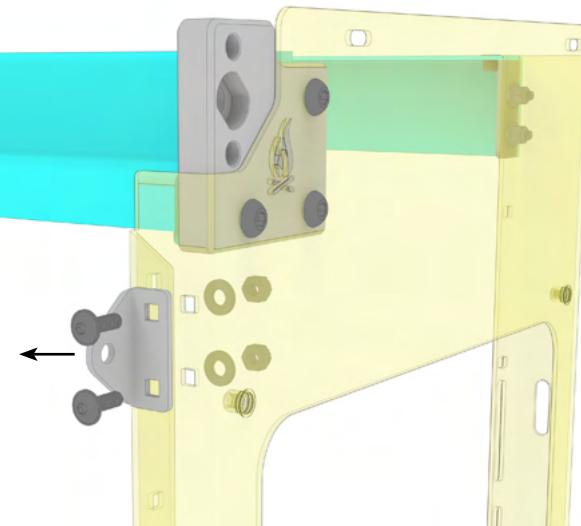


FIG 40

PARTS NEEDED: + TOE KICK (SP0314B.8)

TOOLS REQUIRED FOR THIS STEP: + 7/16" WRENCH OR SOCKET

STEP | 03 HINGE SIDE ASSEMBLY

3.4 Attach Toe Kick to Left and Right Side Cabinet Ends: Attach the Left and Right Side Cabinet Ends to the Front Support using (4) 1/4-20 Square Neck Carriage Bolts, Flat Washers and Nylon Locknuts (FIG 42).



FIG 41

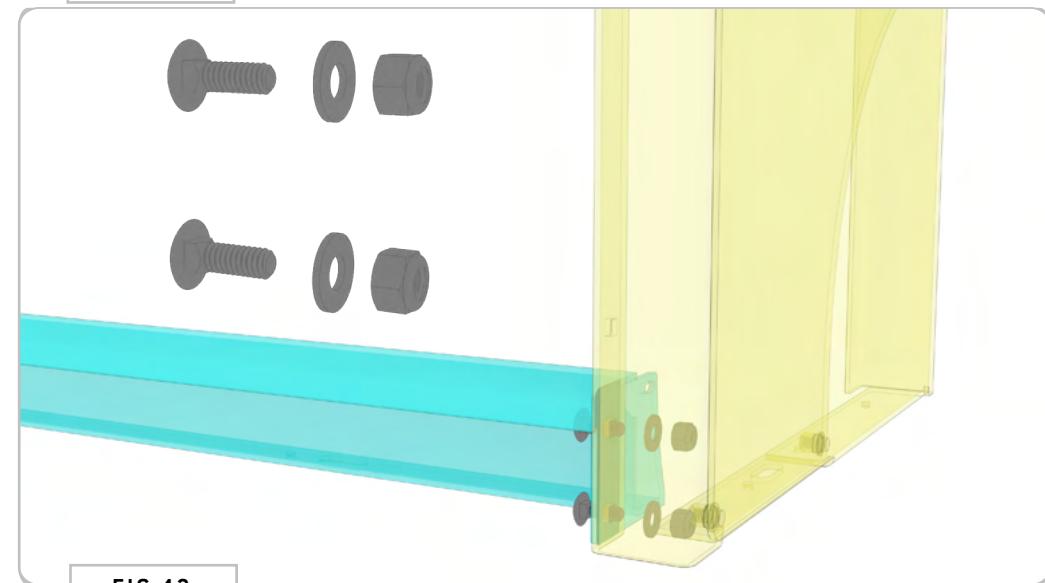


FIG 42

PARTS NEEDED:

TOOLS REQUIRED FOR THIS STEP:

STEP | 03 HINGE SIDE ASSEMBLY

3.5 Determine Hinge Side Configuration: You may choose to have the **Utility Access Panels** or the **Sliding Doors** on either the **top** or the **bottom** of your **Cabinet Shelf**, depending on your needs. See **FIG 43 and 44** for visuals of both options. For best results, we'll be starting with the bottom set of doors.



FIG 43



FIG 44

PARTS NEEDED: + UTILITY ACCESS PANELS (SP0314B.4)
OR
+ SMALL SLIDING DOOR CUBBY (SP0314B.5)

TOOLS REQUIRED FOR THIS STEP: + 7/16" WRENCH OR SOCKET

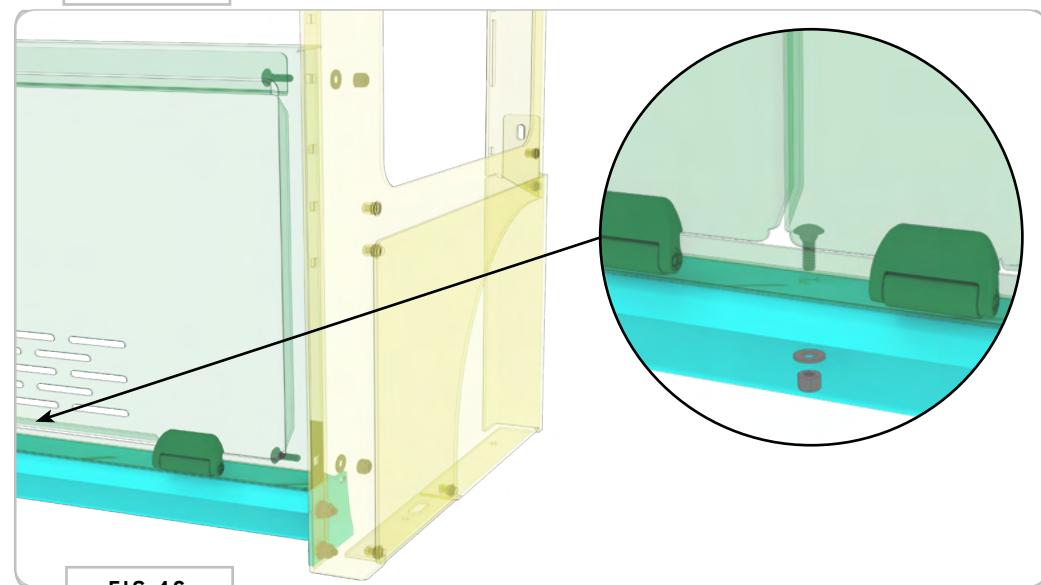
STEP | 03 HINGE SIDE ASSEMBLY

3.6 Attach Lower Doors to Left and Right Side Cabinet Ends:
Attach your selection of **Lower Doors** to the **Left and Right Side Cabinet Ends** using **(4) 1/4-20 Square Neck Carriage Bolts, Flat Washers and Nylon Locknuts** (FIG 46). There's a final mounting location in the middle of the unit that will take **(1) 1/4-20 x 0.75 Square Neck Carriage Bolt, Flat Washer and Nylon Locknut** to finish out this step (FIG 46).

NOTE - If you would prefer the **Small Sliding Doors** at the bottom, notice the additional mounting holes to accomodate the **Cubby Frame** and **Cabinet Shelf**. Simply use those instead.



FIG 45



PARTS NEEDED: + CABINET SHELF ASSEMBLY (SP0314B.3)

TOOLS REQUIRED FOR THIS STEP: + 7/16" WRENCH OR SOCKET

STEP | 03 HINGE SIDE ASSEMBLY

3.7 Install Cabinet Shelf: Attach the Cabinet Shelf to the Left and Right Cabinet Ends using (4) 1/4-20 x 0.75 Square Neck Carriage Bolts, Flat Washers and Nylon Locknuts. There's a final mounting location in the middle of the unit that will take (1) 1/4-20 x 0.75 Square Neck Carriage Bolt, Flat Washer and Nylon Locknut to finish out this step (FIG 48).

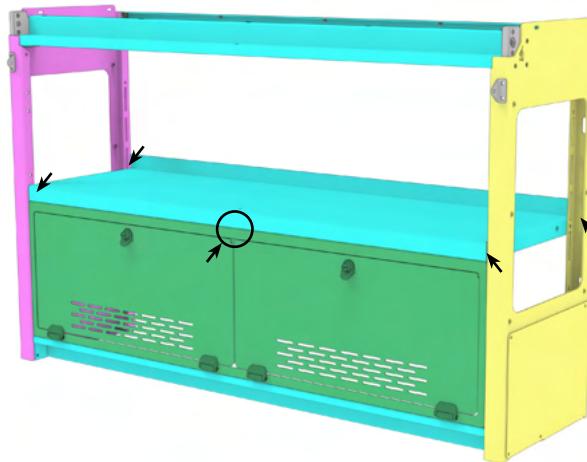


FIG 47

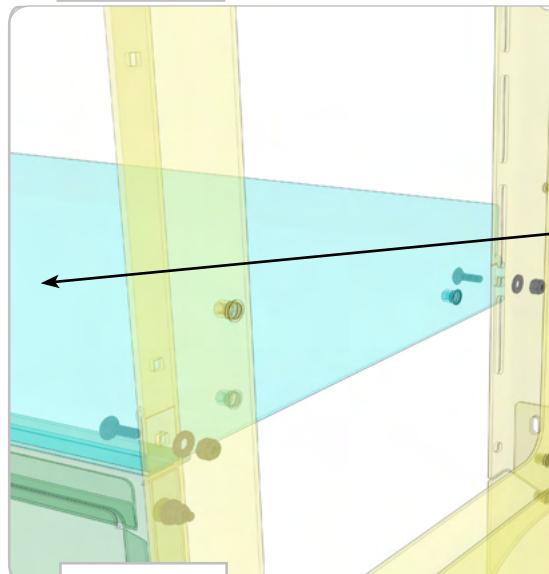


FIG 48

PARTS NEEDED: + UTILITY ACCESS PANELS (SP0314B.4)
OR
+ SMALL SLIDING DOOR CUBBY (SP0314B.5)

TOOLS REQUIRED FOR THIS STEP: + 7/16" WRENCH OR SOCKET

STEP | 03 HINGE SIDE ASSEMBLY

3.8 Attach Upper Doors to Left and Right Side Cabinet Ends:
Attach your selection of **Lower Doors** to the **Left and Right Side Cabinet Ends** using **(4) 1/4-20 Square Neck Carriage Bolts, Flat Washers and Nylon Locknuts** (FIG 50). There's a final mounting location in the middle of the unit that will take **(1) 1/4-20 x 0.75 Square Neck Carriage Bolt, Flat Washer and Nylon Locknut** to finish out this step (FIG 50).

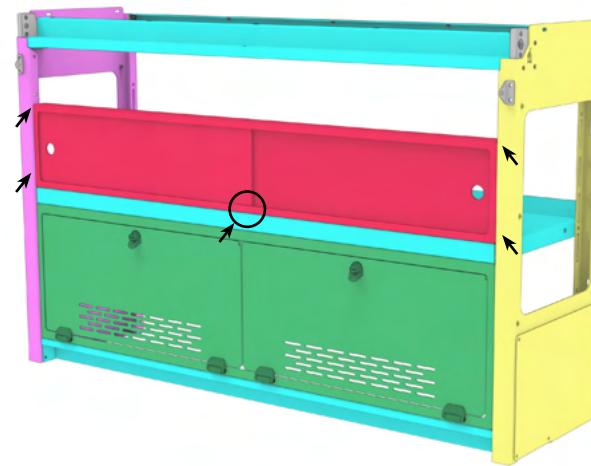


FIG 49

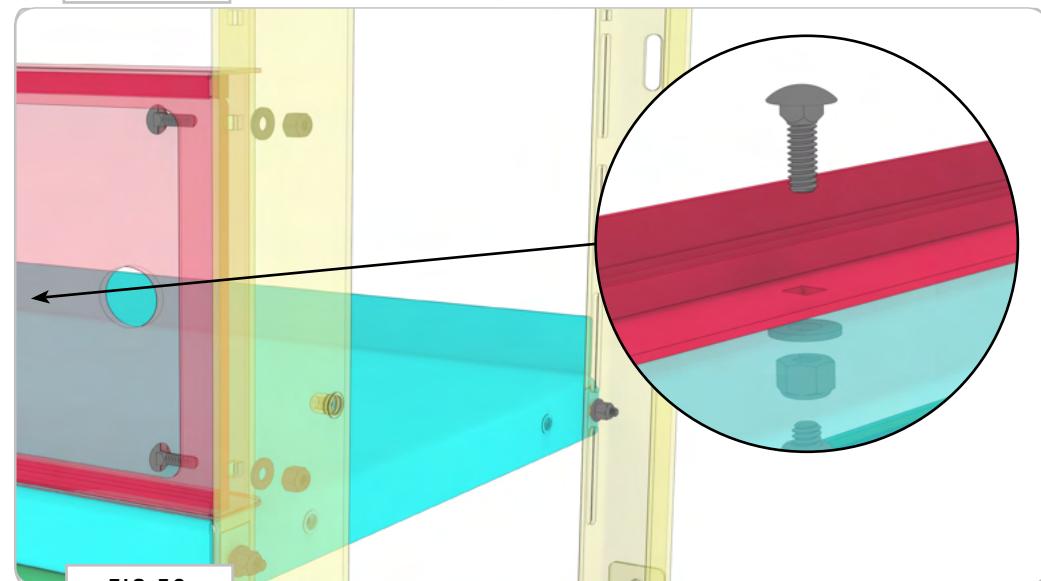


FIG 50

PARTS NEEDED: + SHELF SIDE PLATE (SP0314B.3)

TOOLS REQUIRED FOR THIS STEP: + 3/16" ALLEN WRENCH

STEP | 03 HINGE SIDE ASSEMBLY

3.9 Attach Shelf Covers to Middle Tray: Attach the **Shelf Cover Plates** to the pre-threaded locations of the **Middle Tray** using **(2ea) 1/4-20 x 0.75 Flanged Button Head Screws** (FIG 52).

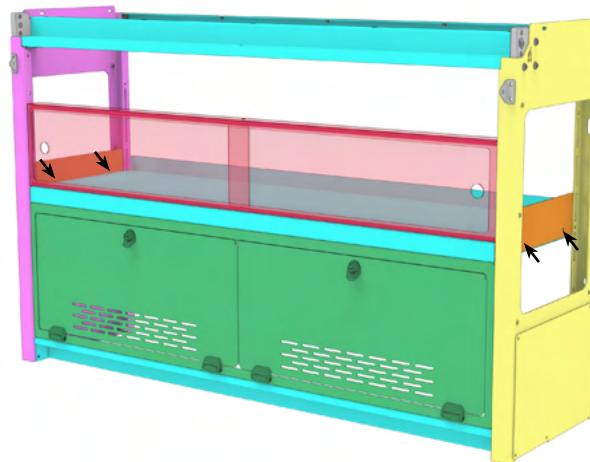


FIG 51

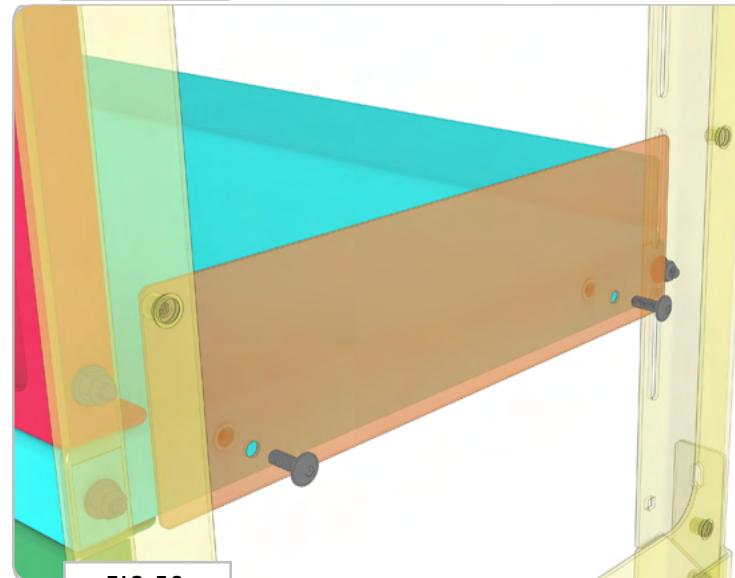


FIG 52

PARTS NEEDED: + DRAWER SLIDE PLATE (SP0314B.9)

TOOLS REQUIRED FOR THIS STEP: + 7/16" WRENCH OR SOCKET

STEP | 03 HINGE SIDE ASSEMBLY

3.10 Attach Drawer Cover Plates to Left and Right Cabinet Ends: Attach the Drawer Cover Plates to the Left and Right Side Cabinet Ends using (4ea) 1/4-20 x 0.75 Square Neck Carriage Bolts, Flat Washers and Nylon Locknuts (FIG 54).

NOTE - Notice that the **Drawer Cover Plates** have **arrows** cutout to indicate the direction in which they should be installed.



FIG 53

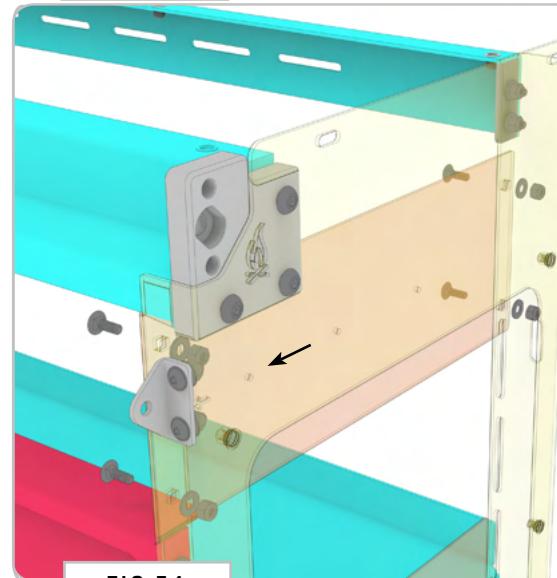


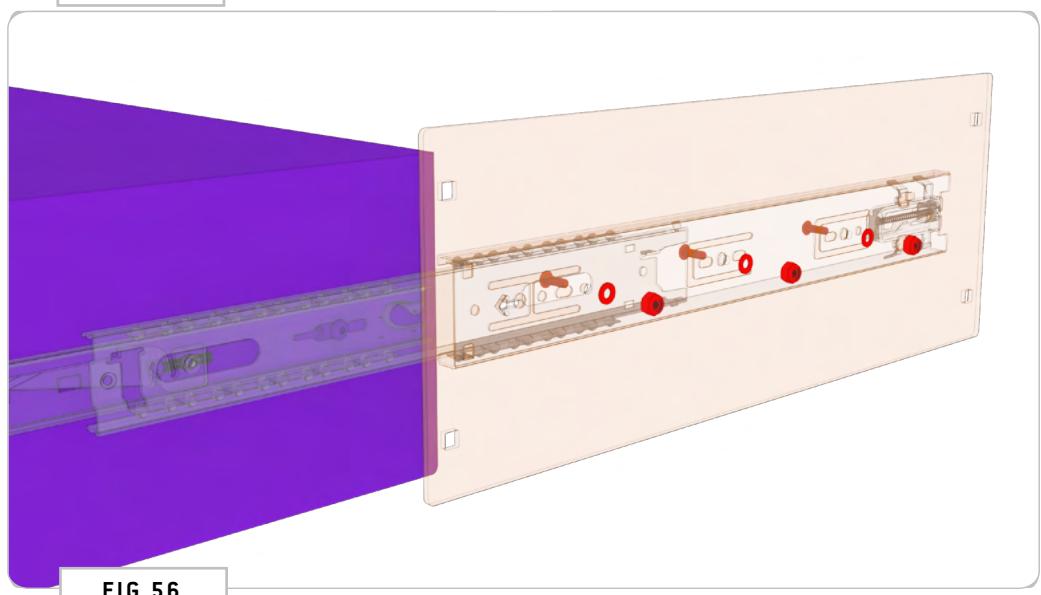
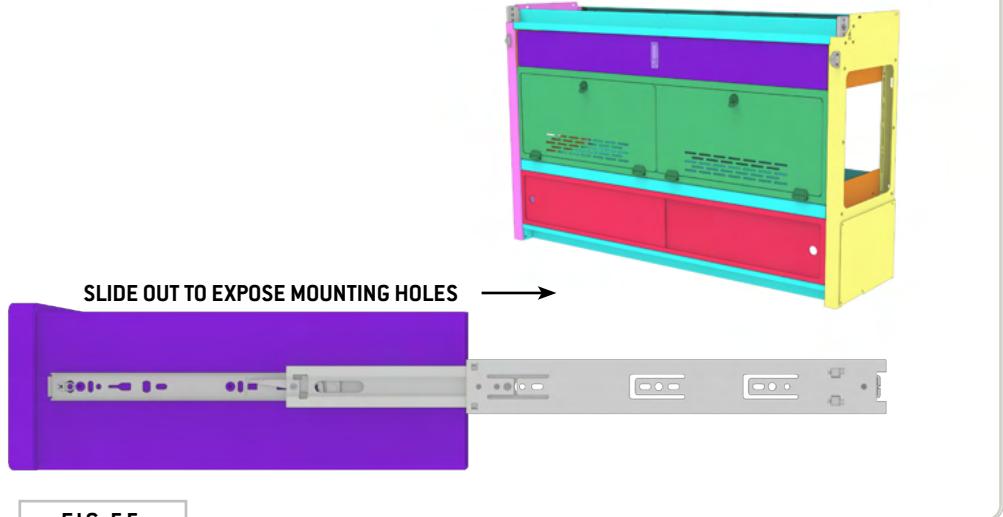
FIG 54

PARTS NEEDED: + DRAWER ASSEMBLY (SP0314B.9)

TOOLS REQUIRED FOR THIS STEP: + 11/32" WRENCH OR SOCKET
+ 3/32" ALLEN WRENCH

STEP | 03 HINGE SIDE ASSEMBLY

3.11 Attach Drawer Assembly to Drawer Cover Plates: Slide out the **Drawer Slides** to expose the mounting holes that will be used to attach the **Drawer Assembly** to the **Drawer Cover Plates**. Support the **Drawer Assembly** with help or a table of appropriate height and secure using **(3ea) 8-32 x 0.5 Button Head Screws, Flat Washers and Nylon Locknuts** (FIG 56).



PARTS NEEDED: + DRAWER CATCH (SP0314B.9)

TOOLS REQUIRED FOR THIS STEP: + 7/16" WRENCH OR SOCKET

STEP | 03 HINGE SIDE ASSEMBLY

3.12 Attach Drawer Catch to Front Support: Slide out the Drawer to expose the mounting hole that will be used to attach the **Drawer Catch** to the **Front Support**. Secure in the orientation shown using **(1) 1/4-20 0.75 Square Neck Carriage Bolt, Flat Washer and Nylon Locknut** (FIG 58).

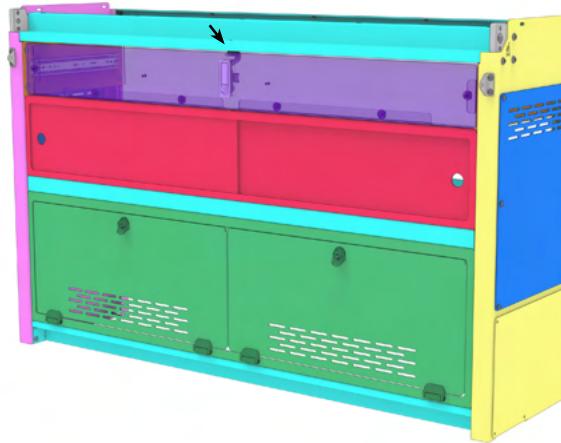


FIG 57

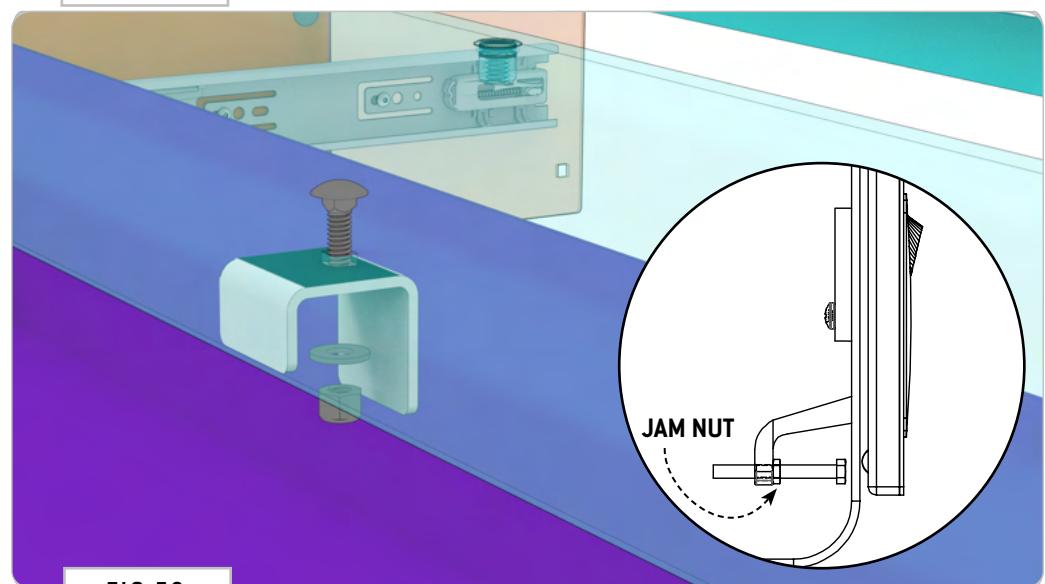


FIG 58

PARTS NEEDED:

- + OVERHEAD SHELF (SP0314B.11)
- + 12MM GOVI BALL STUD (SP0314B.11)
- + M12 NUTS AND WASHERS (SP0314B.11)

TOOLS REQUIRED FOR THIS STEP:

- + 19MM WRENCH

STEP | 04 INSTALL SHELF TO VAN

4.1 Assemble Overhead Shelf: Loosely install 12mm Ball Stud to the Overhead Shelf in the location shown using (2) M12 Nuts and Flat Washers (FIG 60).

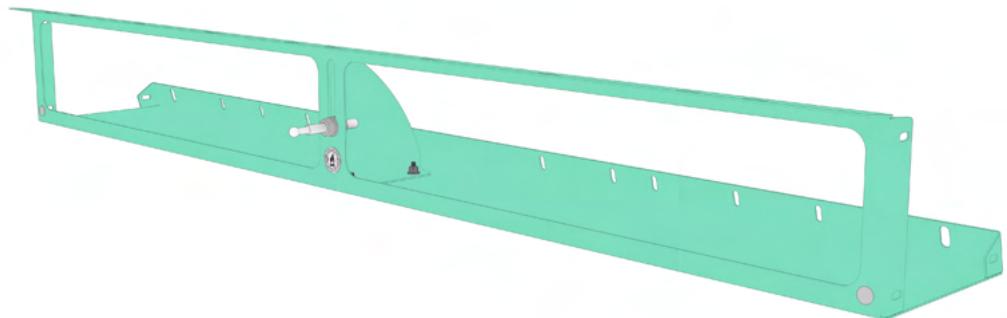


FIG 59

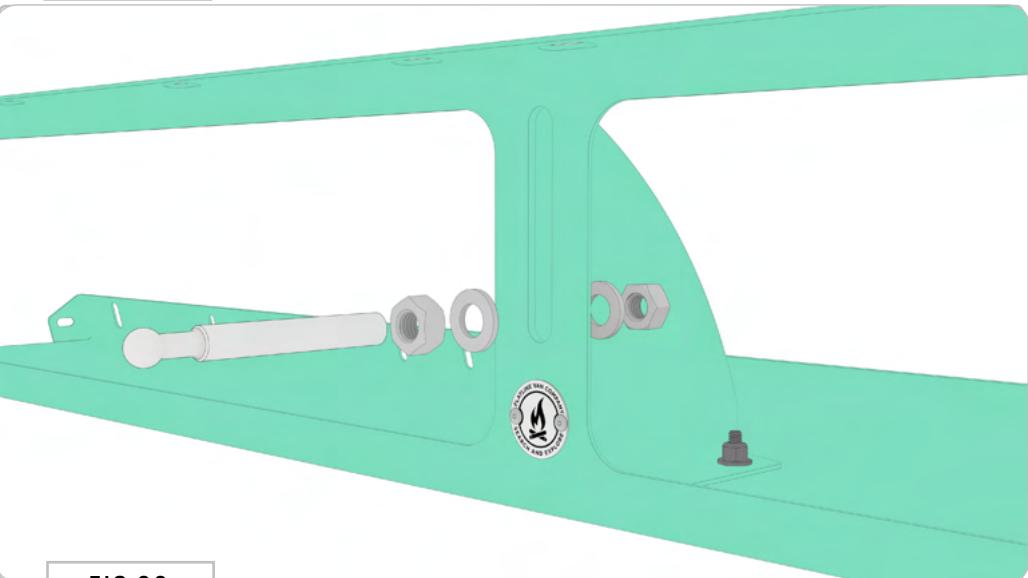


FIG 60

PARTS NEEDED: + OVERHEAD SHELF ASSEMBLY (LAST STEP)

TOOLS REQUIRED FOR THIS STEP: + POWER DRILL
+ 25/64" DRILL BIT
+ RIVET NUT TOOL
+ 3/16" ALLEN WRENCH

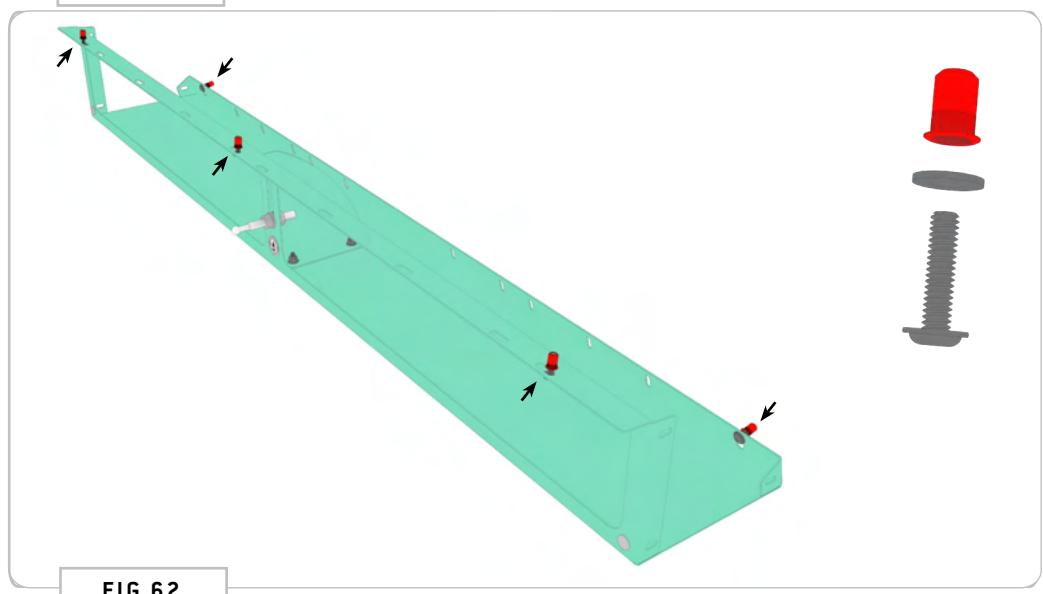
STEP | 04 INSTALL MURPHY TO VAN

4.2 Install Overhead Shelf: Determine the mounting location for your **Overhead Shelf** and mark your holes for mounting through the slots in the top and bottom edges of the shelf. It can be on **either** the **Passenger** or **Driver Side**, but should be as **far back** as it can be to the **rear of the van**, with just enough room to attach the **End Caps** and **Molle Panels**, if applicable (about 3/4" inch). See **FIG 61**.

We include enough **1/4-20 Rivet Nuts, Flanged Button Head Screws and Flat Washers** for **three sets of hardware** on the **top side** and **two** on the **bottom edge**. See **FIG 62** for an example of how you might secure the shelf to your van.

Drill out the holes using a 25/64" bit and install **Rivet Nuts** using a **Rivet Nut Tool**.

Secure **Overhead Shelf** to the van using **1/4-20 x 1 Flanged Button Head Screws and Flat Washers**.



PARTS NEEDED: + TALL END CAPS (SP0314B.12)

TOOLS REQUIRED FOR THIS STEP: + 7/16" WRENCH OR SOCKET

STEP | 05 FIT CABINETS TO VAN

5.1 Attach Hinge Side Cabinet to Overhead Shelf and Cabinet:
Place the **Hinge Side Cabinet** beneath the **Overhead Shelf** in your van and attach the **Left and Right Side End Caps** to the **Overhead Shelf** using **(3ea) 1/4 x 0.75 Square Neck Carriage Bolts, Flat Washers and Nylon Locknuts** (FIG 63). Secure to the **Hinge Cabinet** using **(2ea) 1/4-20 x 0.75 Flanged Button Head Screws, Flat Washers and Nylon Locknuts** (FIG 64).

NOTE - If your Murphy Bed is installed in a 170" Wheelbase Sprinter, you'll need to remove one Wheel Well Cover from each cabinet. To do this, remove the (4) 1/4-20 x 0.75" Flanged Button Head Screws, Flat Washers and Locknuts along the front and (1) 1/4-20 x 0.75" Carriage Bolt with Flat Washer and Nylon Locknut on the side securing the Cover to the Cabinet End (FIG 65). The specific side depends on whether the Hinge/Table Cabinets are installed on the driver or passenger side.

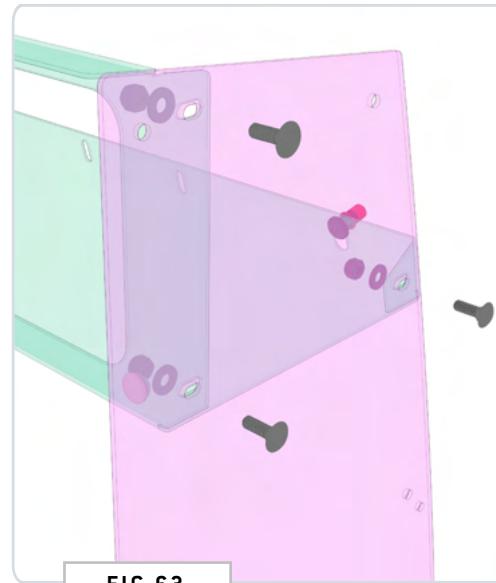


FIG 63

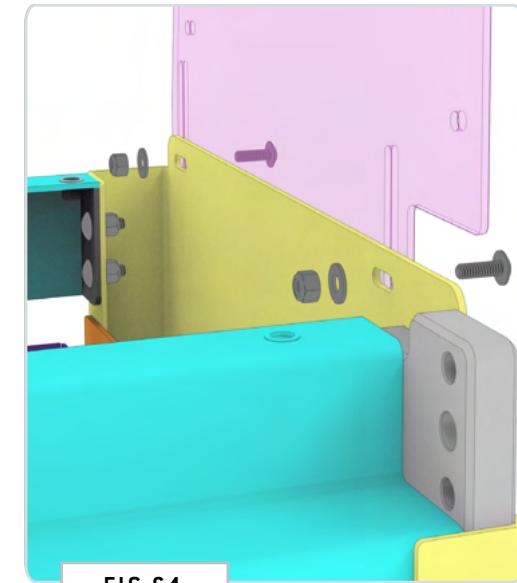
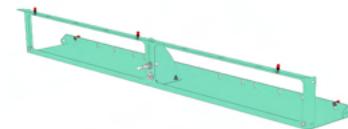


FIG 64



FIG 65



PARTS NEEDED:

TOOLS REQUIRED FOR THIS STEP: + $7/16"$ WRENCH OR SOCKET

STEP | 05 FIT CABINETS TO VAN

5.2 Place Table Side Cabinet: Place the **Table Side Cabinet** across from the **Hinge Side Cabinet**.

NOTE - If your Murphy Bed is installed in a 170" Wheelbase Sprinter, you'll need to remove one Wheel Well Cover from each cabinet. To do this, remove the (4) 1/4-20 x 0.75" Flanged Button Head Screws, Flat Washers and Locknuts along the front and (1) 1/4-20 x 0.75" Carriage Bolt with Flat Washer and Nylon Locknut on the side securing the Cover to the Cabinet End (FIG 67). The specific side depends on whether the Hinge/Table Cabinets are installed on the driver or passenger side.



FIG 66



FIG 67

PARTS NEEDED: + WING FLARE (SP0314B.14)

TOOLS REQUIRED FOR THIS STEP:
+ MEASURING TAPE
+ PENCIL
+ SAW

STEP | 05 FIT CABINETS TO VAN

5.3 Measure and Trim Wing Flares: Mock up the **Wing Flares** to the **Flares** of your van, if applicable, and cut them to suit your available space.

NOTE - Be very careful and trim only as much as you'll need to.



FIG 68



FIG 69

PARTS NEEDED:

- + WING FLARE (LAST STEP)
- + WING FLARE SUPPORT BRACKETS (SP0314B.14)

TOOLS REQUIRED FOR THIS STEP:

- + 3/16" ALLEN WRENCH
- + 7/16" WRENCH OR SOCKET

STEP | 05 FIT CABINETS TO VAN

5.4 Attach Wing Support Brackets to Wing Flare: Loosely attach Wing Support Brackets in the orientation as shown to Wing Flares using (1ea) 1/4-20 x 1 Flanged Button Head Screws, Flat Washers and Nylon Locknuts (FIG 70).

NOTE - The **Wing Supports** are not directional and need to be installed as shown (FIG 71).

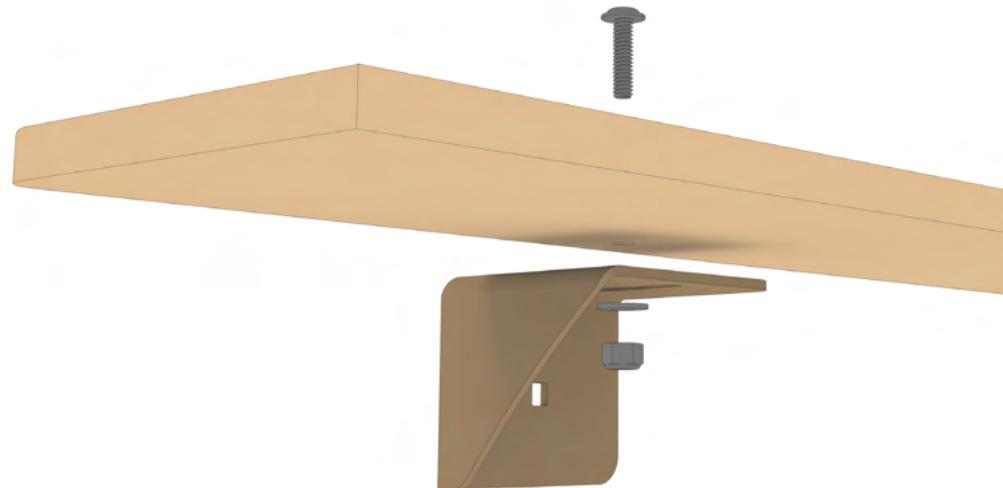


FIG 70



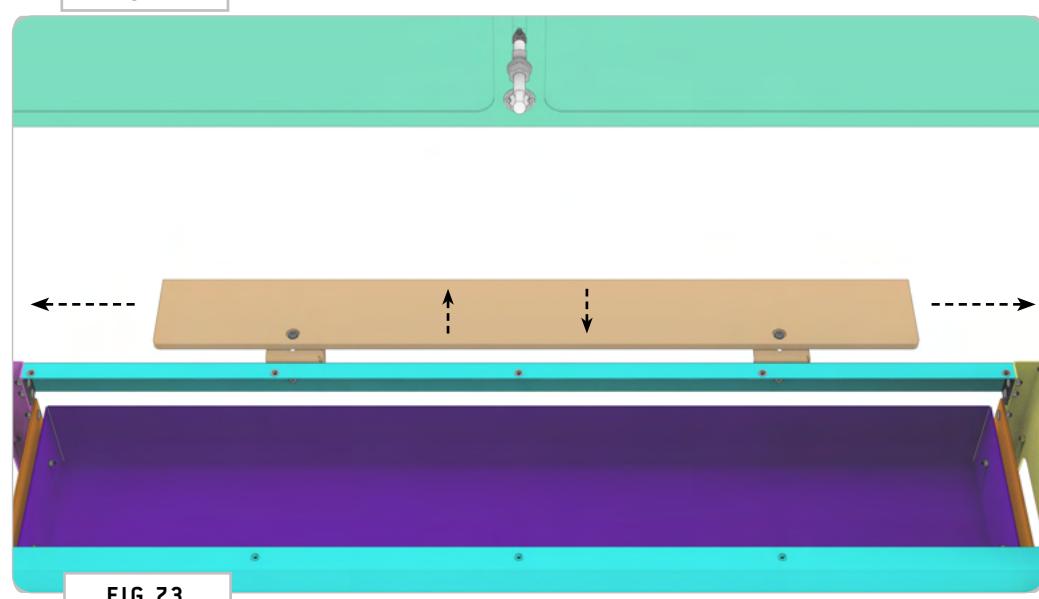
FIG 71

PARTS NEEDED: + WING FLARE ASSEMBLY (LAST STEP)

TOOLS REQUIRED FOR THIS STEP: + 7/16" WRENCH OR SOCKET

STEP | 05 FIT CABINETS TO VAN

5.5 Fit and Install Hinge Side Flare: Loosely attach the **Hinge Side Cabinet Flare** in the orientation as shown to the **Rear Support** of the **Hinge Side Cabinet** using **(2) 1/4-20 x 0.75 Square Neck Carriage Bolts, Flat Washers and Nylon Locknuts** **(FIG 72)**. Adjust left, right, up and down until you're satisfied with the fitments and finish by securing all fasteners **(FIG 73)**.



PARTS NEEDED: + WING FLARE ASSEMBLY (LAST STEP)

TOOLS REQUIRED FOR THIS STEP: + 7/16" WRENCH OR SOCKET

STEP | 05 FIT CABINETS TO VAN

5.6 Fit and Install Table Side Flare: Loosely attach the **Table Side Cabinet Flare** in the orientation as shown to the **Rear Support** of the **Hinge Side Cabinet** using **(2) 1/4-20 x 0.75 Square Neck Carriage Bolts, Flat Washers and Nylon Locknuts** **(FIG 74)**. Adjust left, right, up and down until you're satisfied with the fitments and finish by securing all fasteners **(FIG 75)**.

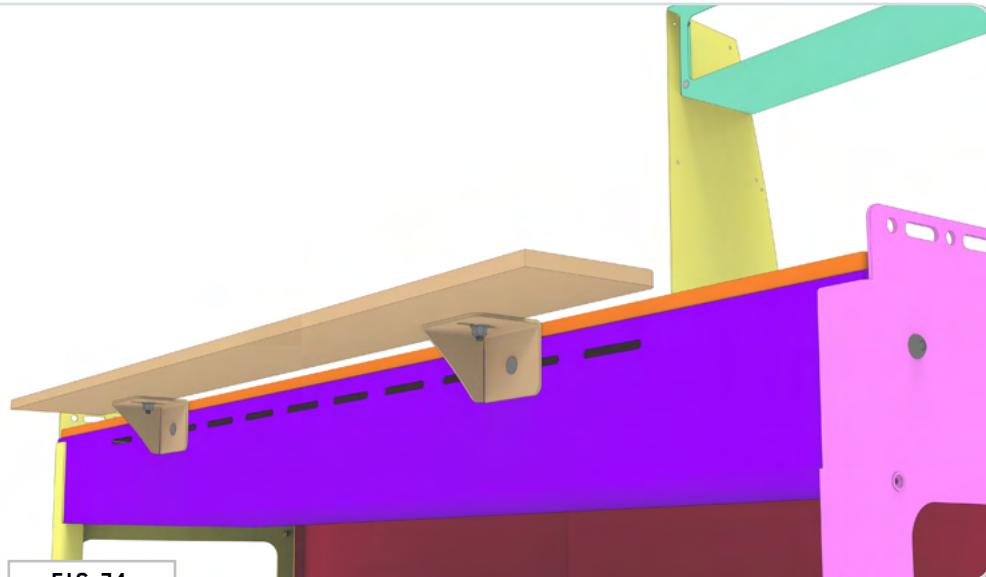


FIG 74

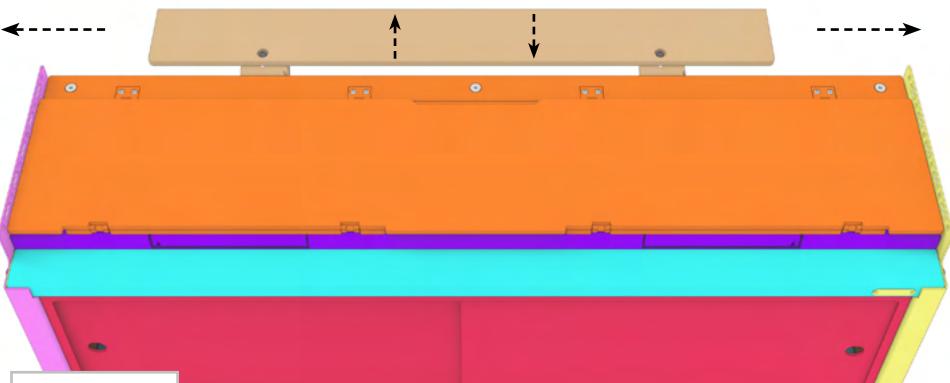


FIG 75

PARTS NEEDED: + HINGE SIDE CABINET TOP (SP0314B.13)

TOOLS REQUIRED FOR THIS STEP: + 3/16" ALLEN WRENCH

STEP | 05 FIT CABINETS TO VAN

5.7 Install Hinge Side Cabinet Top: Attach the Hinge Side Cabinet Top to the pre-threaded holes of the Front and Rear Support of the Hinge Side Cabinet using (10) 1/4-20 x 0.75 Flanged Button Head Screws (FIG 76 +77).

NOTE - Make sure the cutouts clear hardware.

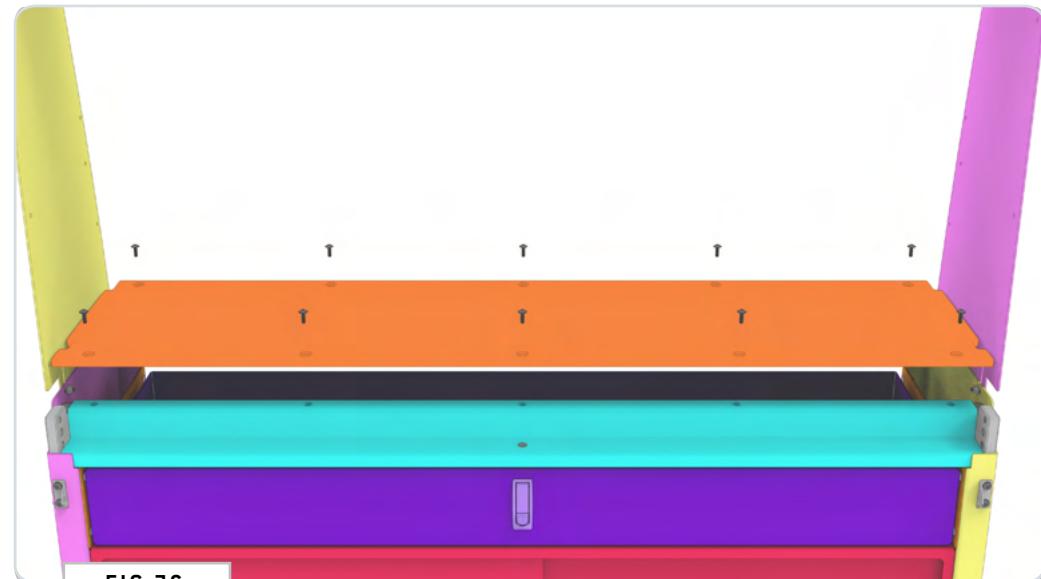


FIG 76

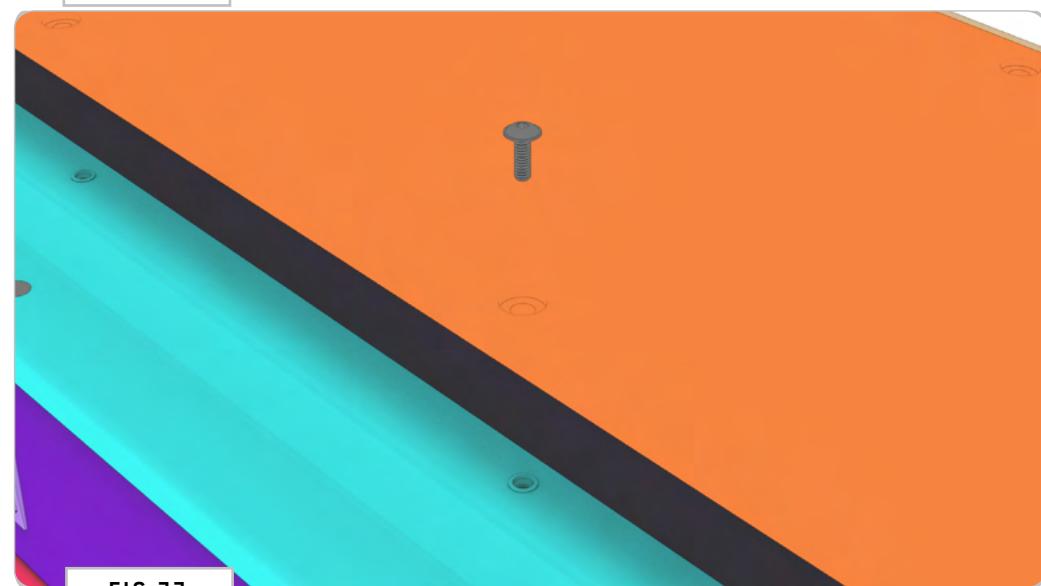


FIG 77

PARTS NEEDED:

- + BED FRAME (SP0314B.10)
- + PIVOT BUSHINGS (SP0314B.10)

TOOLS REQUIRED FOR THIS STEP:

STEP | 06 INSTALL BED FRAME

6.1 Attach Pivot Bushings to Bed Frame: Insert Pivot Bushings into each of the arms of the **Bed Frame** in the orientation shown in FIG 79.

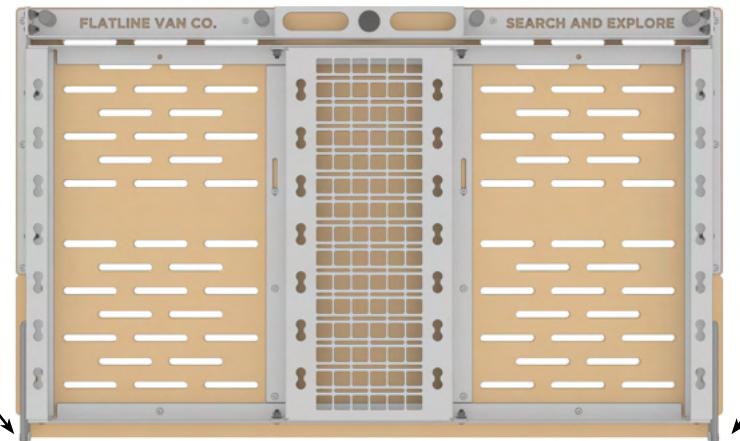


FIG 78

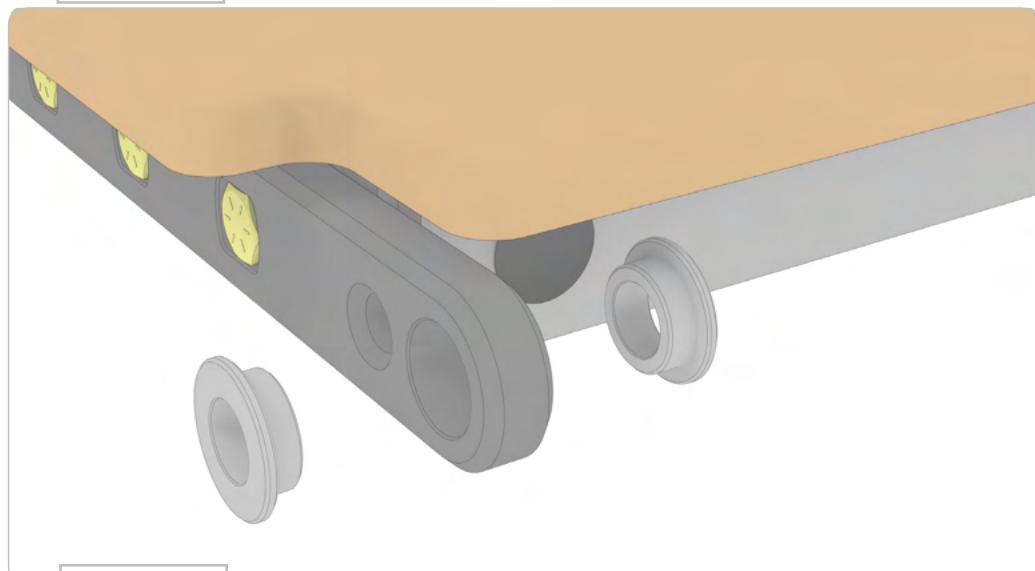


FIG 79

PARTS NEEDED: + BED FRAME ASSEMBLY (LAST STEP)

TOOLS REQUIRED FOR THIS STEP: + 3/4" WRENCH OR SOCKET

STEP | 06 INSTALL BED FRAME

6.2 Install Bed Frame to Hinge Side Cabinet: Attach the Bed Frame to the Hinge Side Cabinet using (2) 1/2-13 x 1.75 Hex Head Bolt, Flat Washers and Nylon Locknuts (FIG 81).



FIG 80

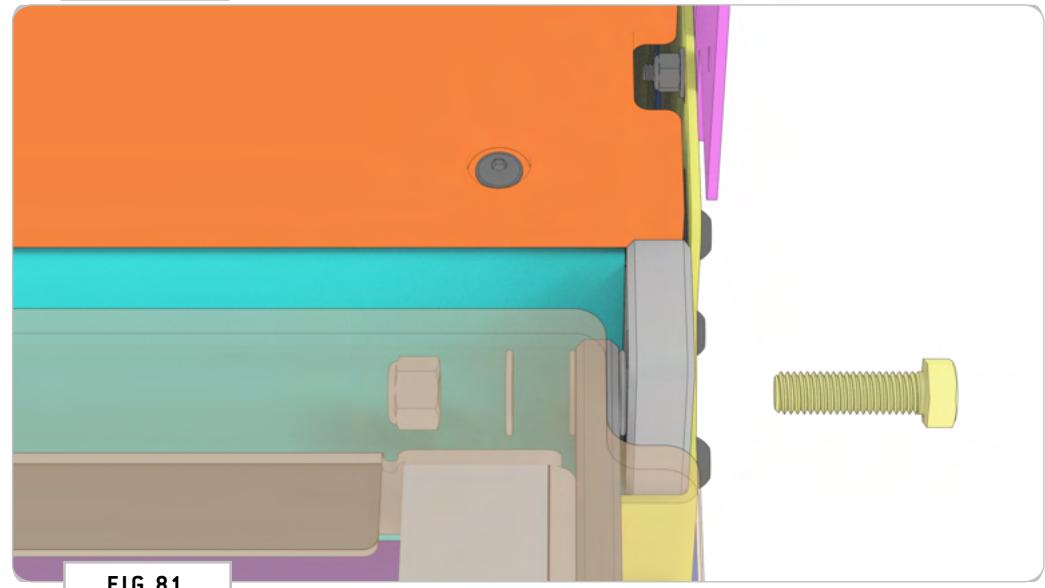


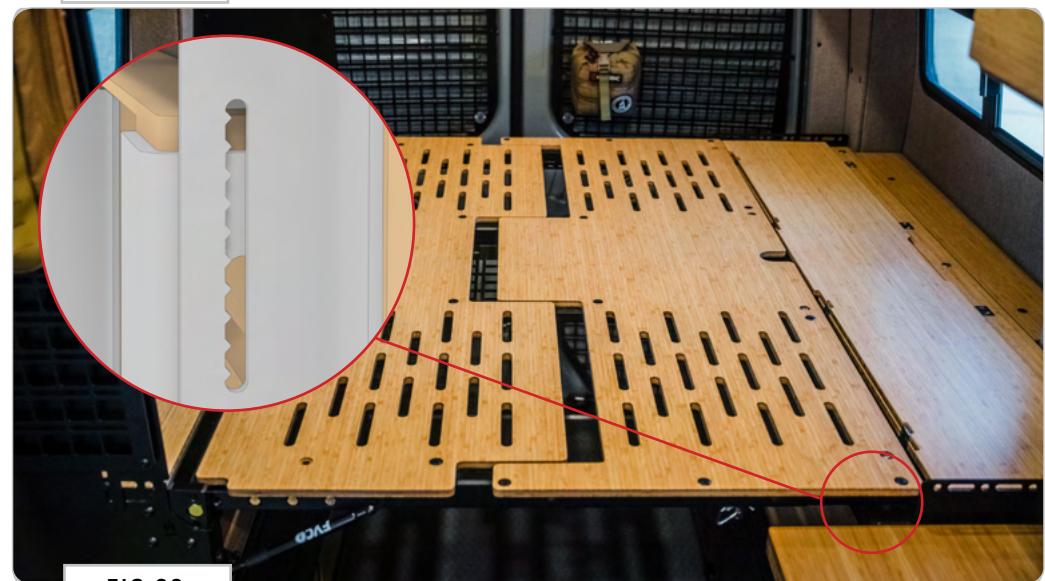
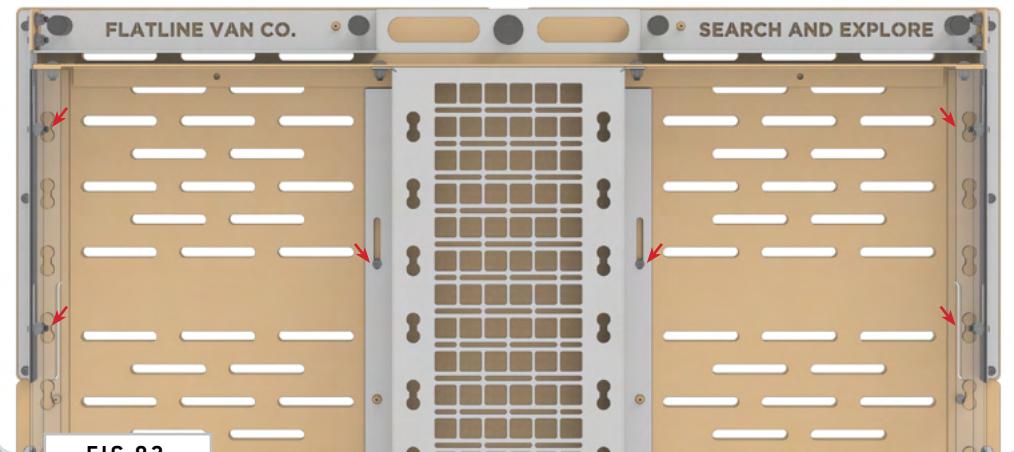
FIG 81

PARTS NEEDED:

TOOLS REQUIRED FOR THIS STEP: + 3/16" ALLEN WRENCH

STEP | 06 INSTALL BED FRAME

6.3 Adjust Bed Frame: Loosen the **(2)** 1/4-20 x 0.75 Flanged Button Head Screws and the **(4)** 3/8-16 Square Neck Carriage Bolts in the locations shown in **FIG 82** and adjust the **Bed Frame** until it has approximately 1/8"-1/4" of clearance along the **Landing Flange** of the **Table Side Cabinet**. There are **Adjustment Teeth Cutouts** along both sides of the **Bed Frame** to help with alignment (**FIG 83**). Tighten up the screws once you are satisfied with the fitment.



PARTS NEEDED:

TOOLS REQUIRED FOR THIS STEP: + 19MM WRENCH

STEP | 06 INSTALL BED FRAME

6.4 Adjust Ball Stud: Using two 19MM Wrenches, loosen the **Ball Stud** and adjust as needed. Tighten **Jam Nuts** and verify adjustment by closing the door. The **Bed Platform** should click into place easily and release smoothly.

NOTE - *Do not force the closed. If compression is too tight, damage to the latch could occur.*



FIG 84



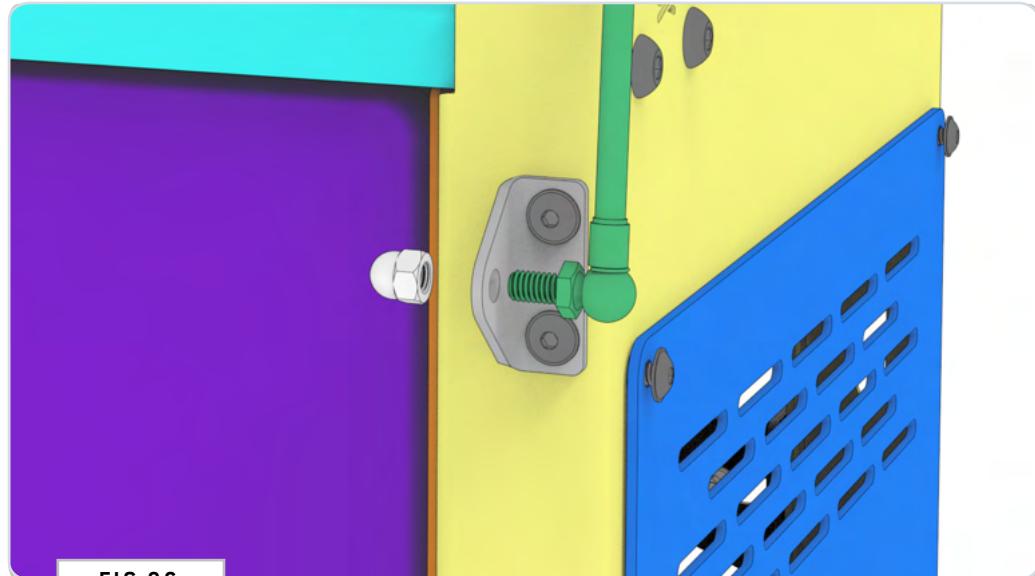
FIG 85

PARTS NEEDED: + BED FRAME GAS STRUTS (SP0314B.10)

TOOLS REQUIRED FOR THIS STEP: + 12MM WRENCH
+ 13MM WRENCH

STEP | 06 INSTALL BED FRAME

6.5 Attach Gas Struts to Bed Frame and Strut Brackets: Lift up the **Bed Frame** and attach the **Gas Struts** to the pre-threaded holes of the **Bed Frame Arms** (FIG 86) and the **Gas Strut Brackets** using **(1ea) M8 Cap Nuts** (FIG 87).



PARTS NEEDED: + WALL MOUNTING BRACKETS (SP0314B.2) (SP0314B.8)

TOOLS REQUIRED FOR THIS STEP: + POWER DRILL
+ 25/64" DRILL BIT
+ RIVET NUT TOOL
+ 7/16" WRENCH OR SOCKET
+ 3/8" WRENCH OR SOCKET

STEP | 07 INSTALL MURPHY TO VAN

7.1 Attach Hinge and Table Side Cabinets to Van Walls: Dry fit the **Mounting Brackets** to the available slots along the **Left and Right Cabinet Ends** for both the **Hinge and Table Side Cabinets** and mark your locations for drilling (FIG 88). Drill out your holes with a 25/64" Drill Bit, set your **Rivet Nuts** and secure to the **Cabinet** using **[2] 1/4-20 x 0.75 Square Neck Carriage Bolts, Flat Washers and Nylon Locknuts**. Secure to set **Rivet Nuts** using **1/4-20 x 1 Flanged Hex Head Screws** (FIG 89).

NOTE - If the **Wall Brackets** are able to span the area of a pre-existing mounting surface (such as L-Track) you can skip the **Rivet Nuts** and use your preferred mounting method.

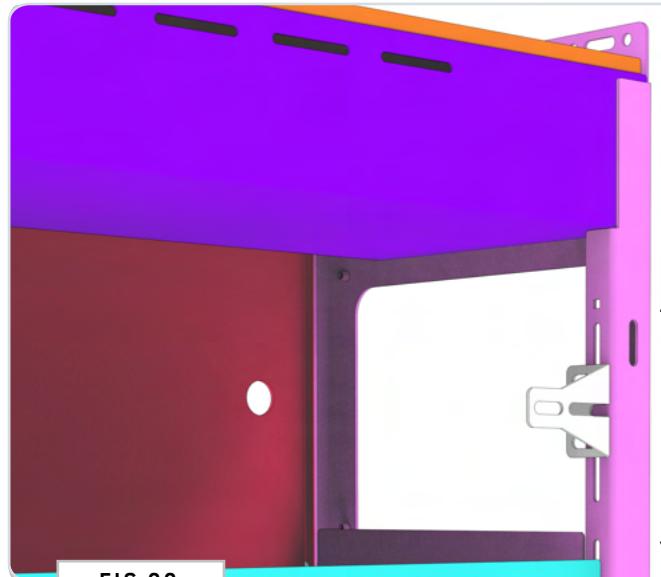


FIG 88

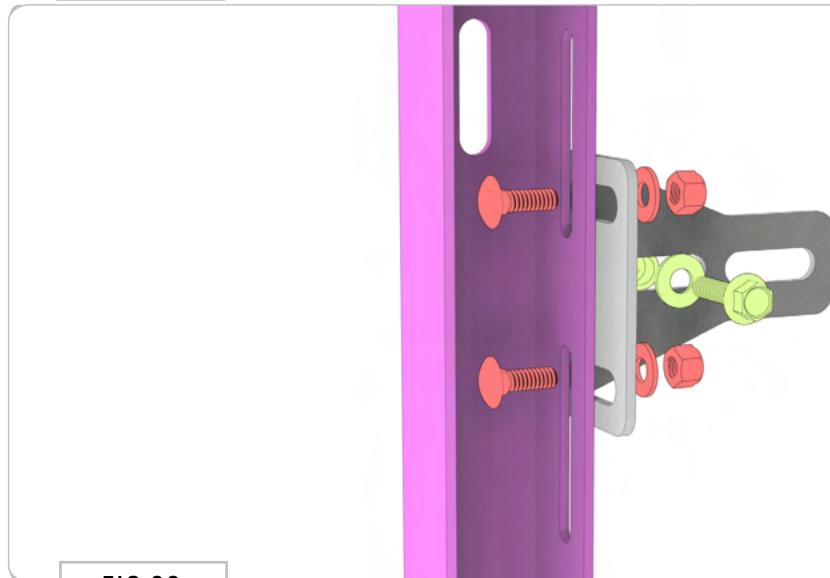


FIG 89

PARTS NEEDED:

- + MOUNTING WASHERS (SP0314B.10)
- + 3/8-16 X 1.75 FLANGED HEX HEAD SCREWS (SP0314B.10)

TOOLS REQUIRED FOR THIS STEP:

- + POWER DRILL
- + 5/16" DRILL BIT
- + RUST PREVENTATIVE PAINT
- + 9/16" WRENCH OR SOCKET

STEP | 07 INSTALL MURPHY TO VAN

7.2 Attach Hinge and Table Side Cabinets to Van Floor

(optional): See available mounting slots in the bottom of the **Left and Right Side Cabinet Ends** and **Toe Kick** in FIG 90. If desired, mark your preferred locations for mounting to the floor and drill out using a **5/16" Drill Bit**. Mount using the supplied **3/8-16 x 1.75 Flanged Hex Head Screw, Mounting Washers, 3/8" Oversized Flat Washers and Nylon Locknuts** (FIG 91).

NOTE - Take precaution to ensure that where you choose to mount through the floor does not interfere with any factory components or aftermarket accessories already mounted to the bottom of your van. Also, make sure to paint the spots you drill with Rust Preventative Paint.

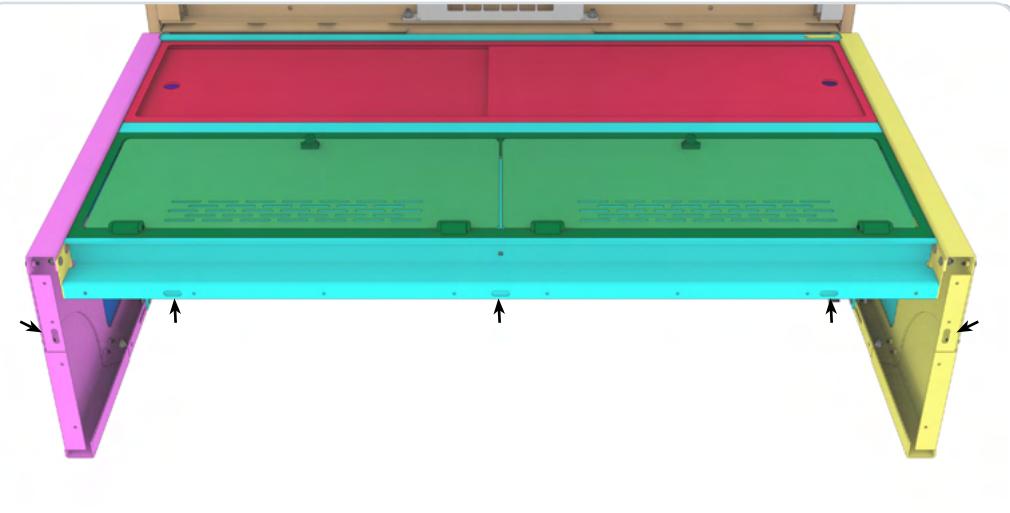


FIG 90

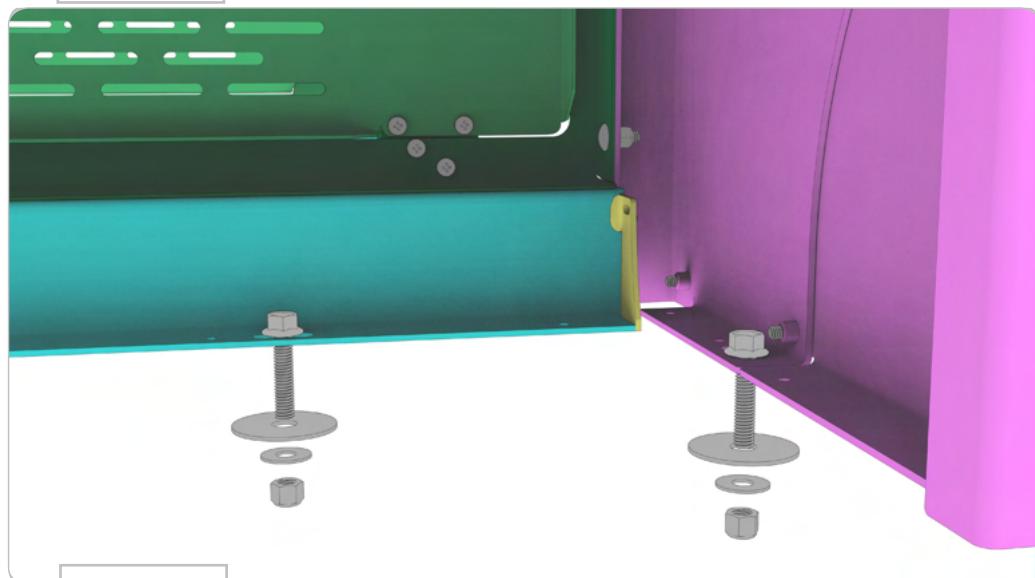


FIG 91

PARTS NEEDED: + COVER PLATES (SP0314B.12)

TOOLS REQUIRED FOR THIS STEP: + 3/16" ALLEN WRENCH

STEP | 08 FINISH MURPHY ASSEMBLY

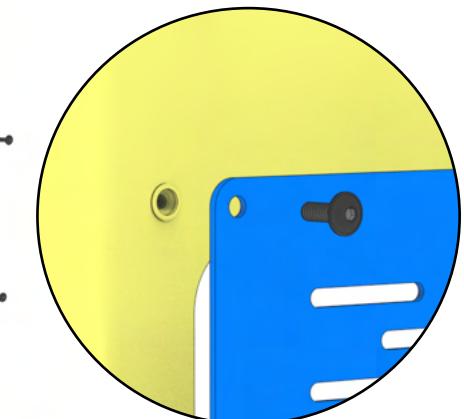
8.1 Install Cover Plates: Attach the Cover Plates to the pre-threaded holes of the **Left and Right Cabinet Ends** for both the **Table and Hinge Side Cabinets** using **(6ea) 1/4-20 x 0.75 Flanged Button Head Screws** (FIG 93).



FIG 92



FIG 93

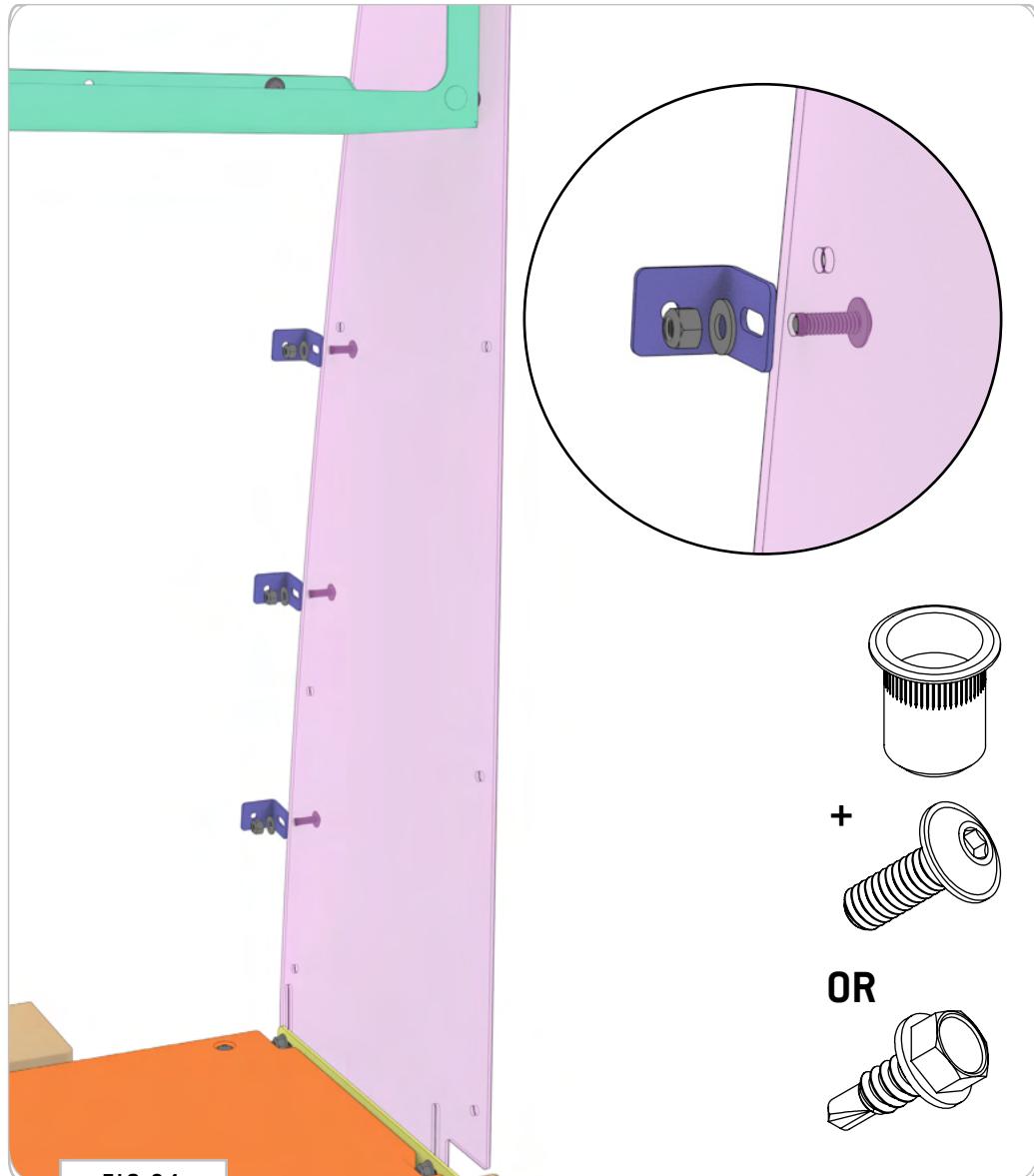


PARTS NEEDED: + END CAP SUPPORT BRACKETS (SP0314B.12)

TOOLS REQUIRED FOR THIS STEP: + 3/16" ALLEN WRENCH
+ 7/16" WRENCH OR SOCKET

STEP | 08 FINISH MURPHY ASSEMBLY

8.2 Attach End Cap Supports (Optional): If desired, there are three additional Supports (per side) that can be attached to the End Caps that provide extra rigidity to the assembly. Attach using **(1ea) 1/4-20 x 0.75 Flanged Button Head Screws, Flat Washers and Nylon Locknuts**. Attach to the van wall using your preferred method (rivet nuts and screws, self-tapping screws, etc.).

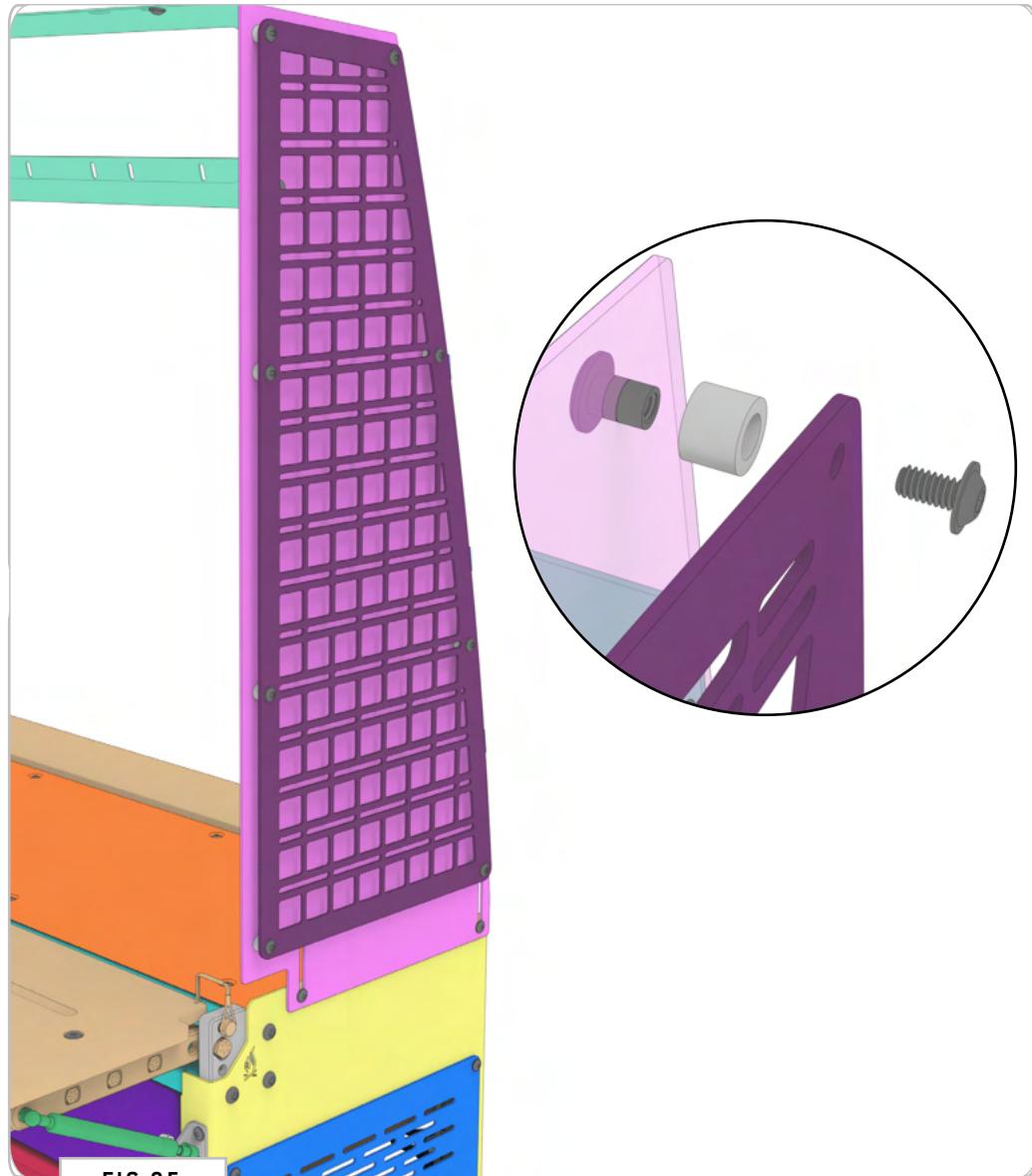


PARTS NEEDED: + MOLLE PANEL (SP0314B.17)
+ PANEL STANDOFF (SP0314B.17)
+ BINDING BARREL (SP0314B.17)

TOOLS REQUIRED FOR THIS STEP: + 3/16" ALLEN WRENCH

STEP | 08 FINISH MURPHY ASSEMBLY

8.3 Install Molle Panels (Optional): If you would like to run Molle Panels, install them to the **End Caps** at this time using **1/4-20 Binding Barrels** and **1/4-20 x 0.5 Flanged Button Head Screws** with **Panel Standoffs** between panels.



PARTS NEEDED: + WIRE LOCK PIN (SP0314B.10)

TOOLS REQUIRED FOR THIS STEP:

STEP | 08 FINISH MURPHY ASSEMBLY

8.4 Stow Mattress and Attach Wire Lock Pin: If you purchased your Murphy Bed with a Mattress (FIG 96), lay it down and stow it away by folding it up (FIG 97) and securing the Bed Frame to the Overhead Shelf. Slide the Wire Lock Pin through the Bed Frame Arm (FIG 98) as a final safety measure.



FIG 96



FIG 97

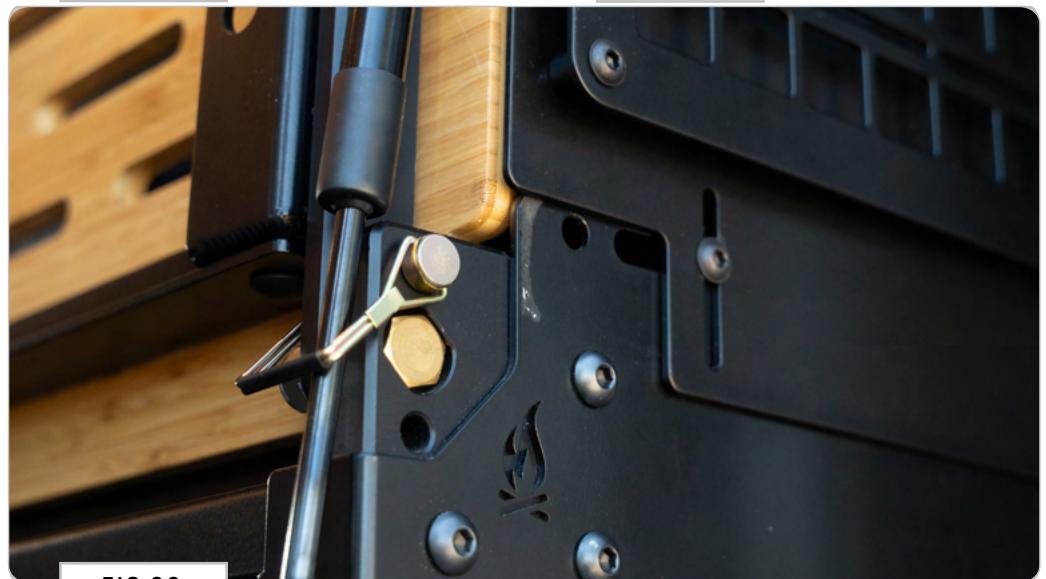


FIG 98

PARTS NEEDED:

- + LARGE SLIDING DOORS (SP0314B.15)
- + SMALL SLIDING DOORS (SP0314B.15)

TOOLS REQUIRED FOR THIS STEP:

STEP | 08 FINISH MURPHY ASSEMBLY

8.5 Install Sliding Doors: Insert **Large Sliding Doors** into **Table Side Cabinet** by sliding the top of the door all the way up in the **Upper Door Track** and then dropping it down into the **Bottom Track** (FIG 99+100). Repeat steps with the other door. For the **Small Sliding Doors**, repeat those steps on the **Hinge Side Cabinet**.

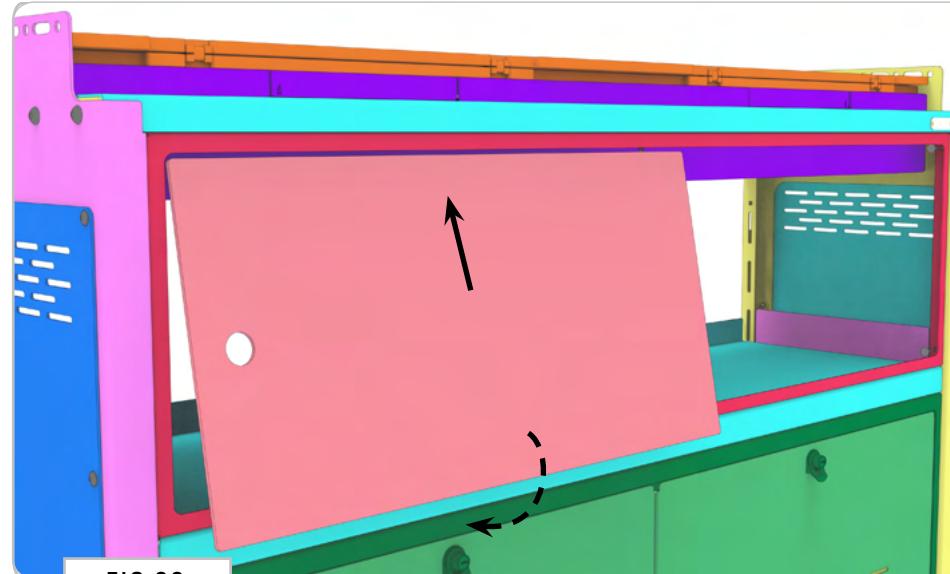


FIG 99



FIG 100

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