

## Storage Cabinet Stack

Figure 11

Using a power driver attach brackets (side with holes farther from the edge) to the top side edges of cabinet drawers with (2) self-drilling Type F screws. Place cabinet on top of drawers lining up front faces. Using a power driver and (2) self-drilling Type F screws attach brackets to cabinet.

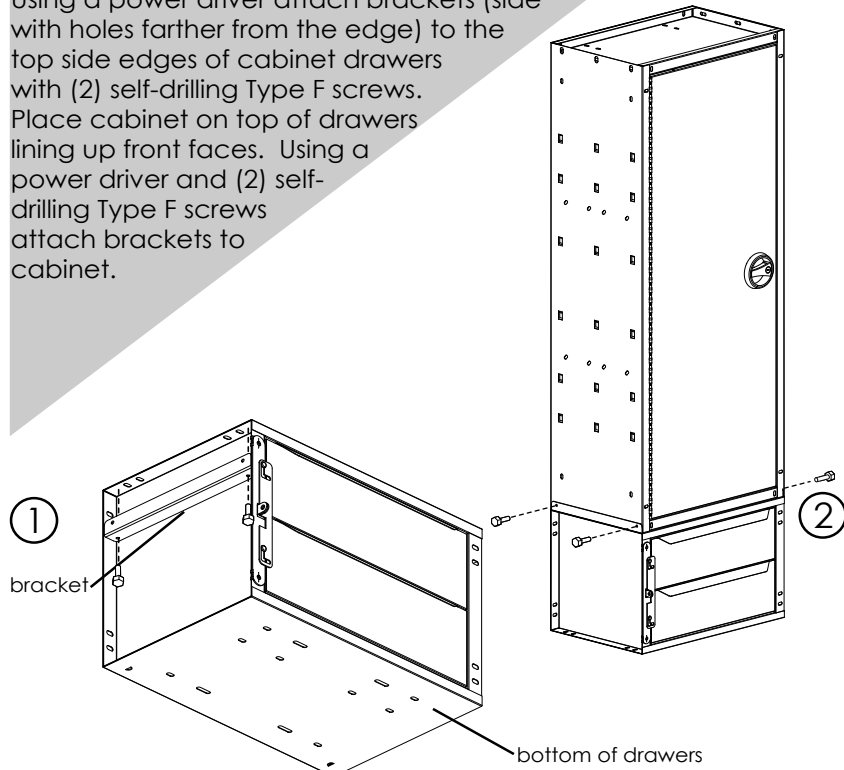
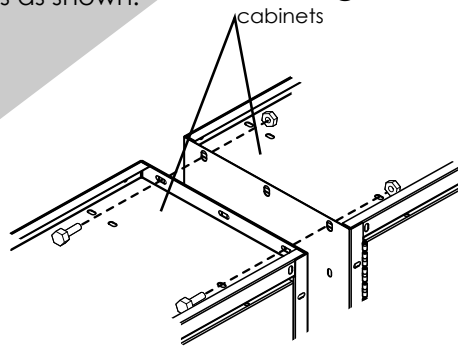


Figure 12

## Attach Two Storage Cabinets

Attach two cabinets with (2) 1/4 - 20 x 3/4 screws and (2) 1/4-20 stop nuts as shown.

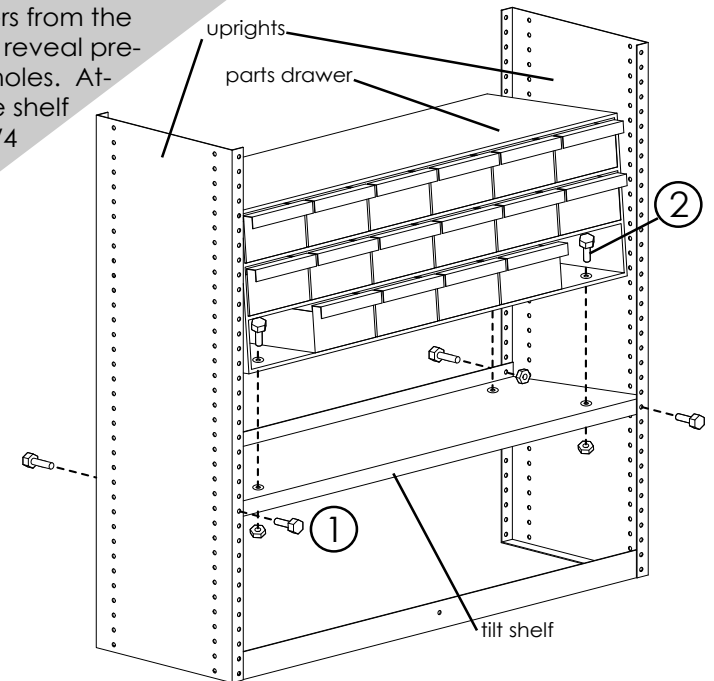
Figure 13



## Parts Drawer and Tilt Shelf

Parts Drawer Cabinets depend on the rearward tilt of the shelf to keep the drawers closed. Attach the tilt shelf to the uprights in the front and back using (4) 1/4 - 20 x 3/4 screws and (4) 1/4-20 stop nuts. Remove two drawers from the cabinet to reveal pre-punched holes. Attach to the shelf using (4) 1/4 - 20 x 3/4 screws

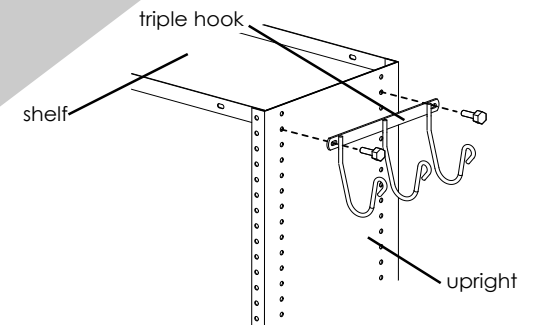
Figure 14



## Triple Hooks

Locate the triple hook at the desired height and attach to upright with (2) 1/4 - 20 x 3/4 screws and (2) 1/4-20 stop nuts.

Figure 15



### Toolbox Storage Door

Attach a front floor brace upside down to the uprights using the 13th hole from the bottom with (2) 1/4 - 20 x 3/4 screws and (2) 1/4-20 stop nuts. Attach shelf to uprights just above the upside down floor brace. Attach tool box door to the lower floor brace with (4) 1/4 - 20 x 3/4 screws and 1/4-20 stop nuts.

Figure 16

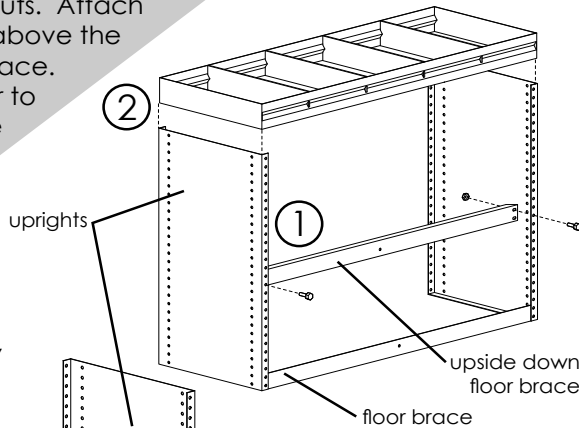
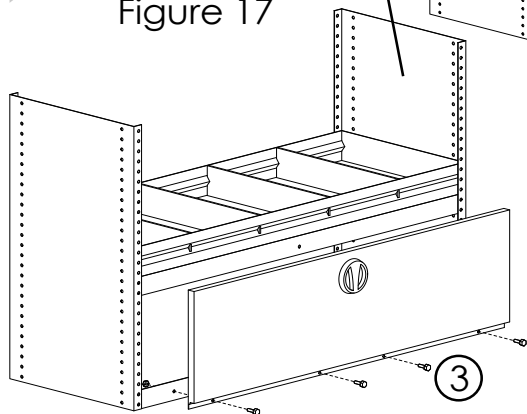


Figure 17



### Toolbox Storage Door

Place lock through hole and snap handle into tool box door.

Figure 18

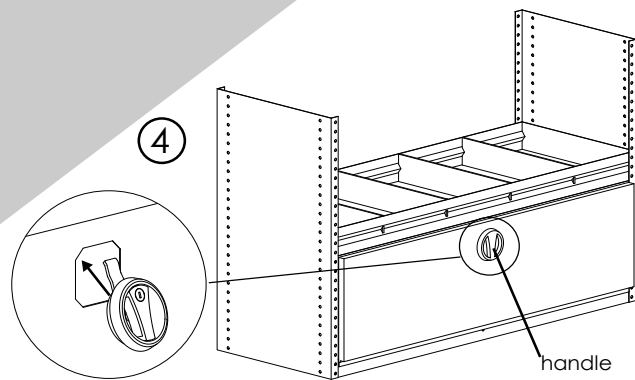


Figure 19

### Cabinet Drawers

Place the two J-Clip Nuts on the left edge of the cabinet over the top most slots and lower most slots.

Place the cabinet on top of the shelf. Remove bottom drawer. Secure the cabinet to the shelf using (4) 1/4-20 x 3/4 screws and 1/4-20 stop nuts.

Figure 8

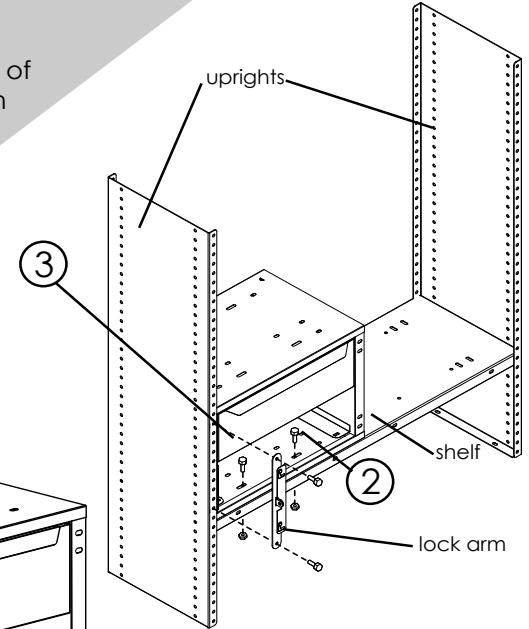
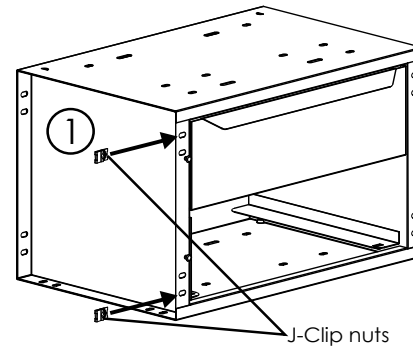


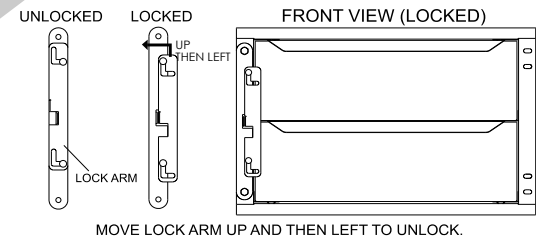
Figure 9



### Cabinet Drawers Lock Arm

Attach the Lock assembly to the left front of the cabinet into the J-Clip Nuts using two 1/4-20 x 3/4" hex head screws.

Figure 10



### Fixed Shelf Divider (bolted)

Use (2) 1/4 - 20 x 3/4 screws and (2) 1/4-20 stop nuts to attach each divider to fixed shelf.

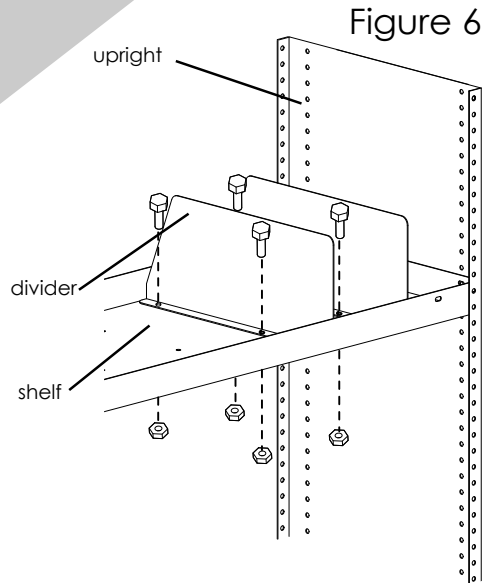


Figure 6

### Manual Rack

The manual rack bolts to the upright as shown with (3) 1/4 - 20 x 3/4 screws and (3) 1/4-20 stop nuts along the back side. The rack attaches to the floor with (1) 1/4-20 x 1-1/4 screw.

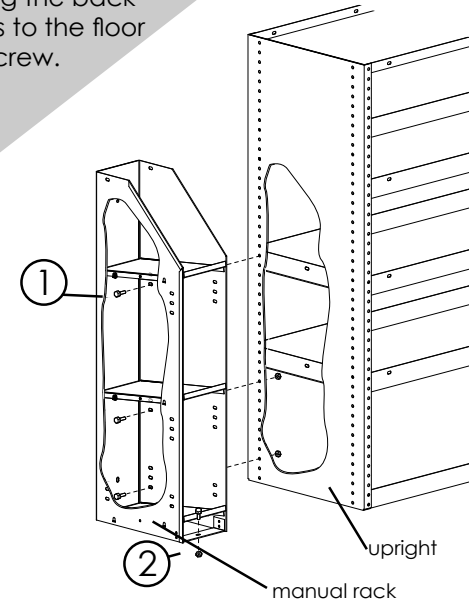


Figure 20

### Parts Tray Shelves (adjustable)

Locate parts tray at desired height and bolt into upright assembly as shown using 1/4 - 20 x 3/4 screws and 1/4-20 stop nuts. Insert adjustable dividers as shown.

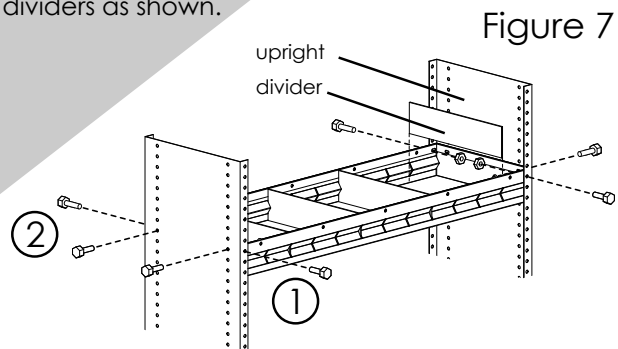


Figure 7

### Plus nut Installation

Locate and mark hole on vehicle upper structural beam. Use a 3/16" drill bit to drill a pilot hole at each mark. Enlarge 3/16" hole with drill stop set for 1/2" penetration. Set up hardware as shown and push plus nut into drilled hole. Use wrench to tighten screw while holding plus nut tool in place with another wrench.

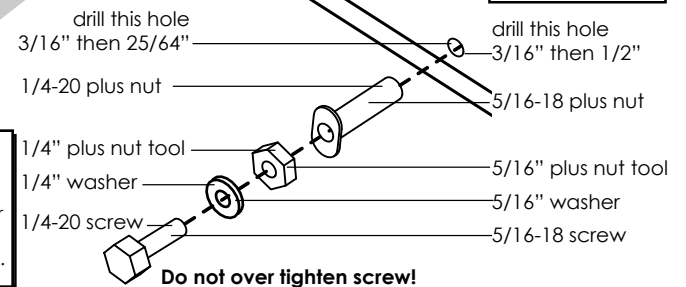
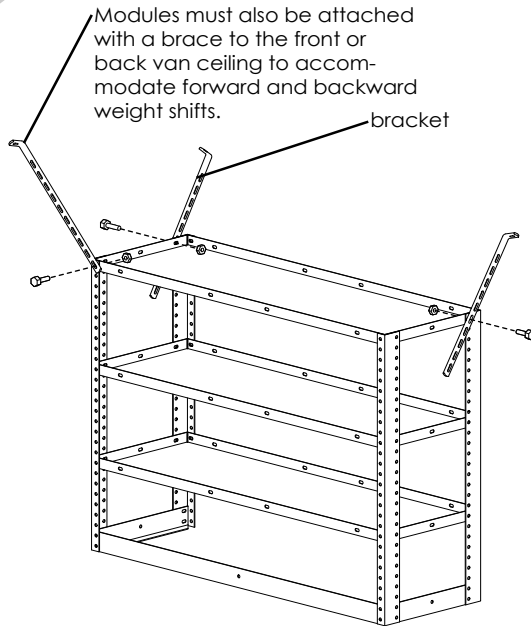


Figure 21

## Vehicle installation

Place modules inside van and square to floor. Attach brace loosely at or near the top of the module at each end. Use brace to mark hole. Detach brace while drilling hole. Reattach brace to module and tighten 1/4-20 x 3/4 screws. The end of the bracket may be removed to eliminate overhang.

Figure 22

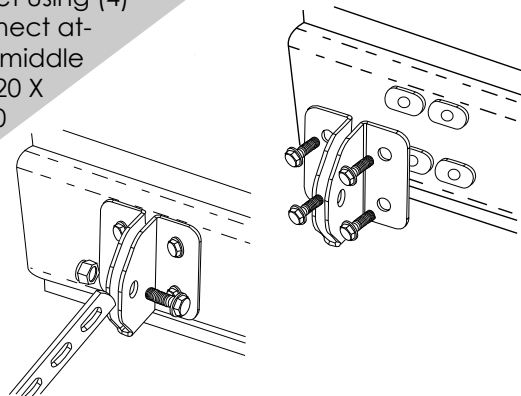


**BEFORE DRILLING EXAMINE THE VEHICLE UPPER STRUCTURAL BEAM FOR WIRING .**

## Attach T-Bracket to Wall

Use T-Bracket to mark four holes on wall. Drill 3/8" holes and install (4) plugnuts. See Figure 21. Attach T-Bracket using (4) 1/4-20 X 3/4" screw. Connect attachment brace through middle of T-Bracket using (1) 1/4-20 X 3/4" screw and (1) 1/4"-20 stop nut.

Figure 23



## Adjoining Shelves

Two or more modules placed side by side should share common screws so that screw heads will not cause a gap between the modules. Connect the modules using a single screw-stop nut combination through each shelf and upright as shown. Use (1) 1/4-20 x 3/4 screw and (1) 1/4-20 stop nut in shelf

Figure 3

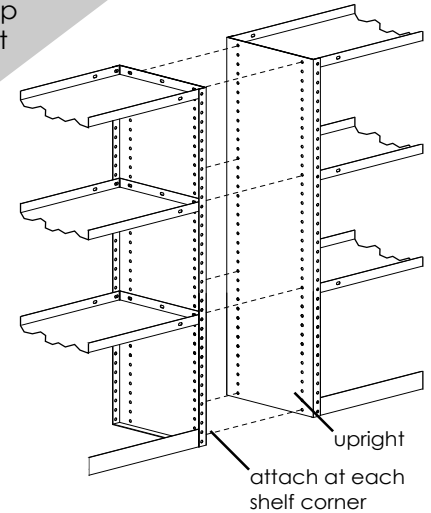
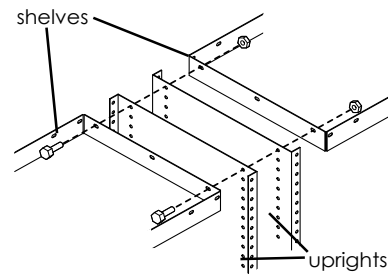


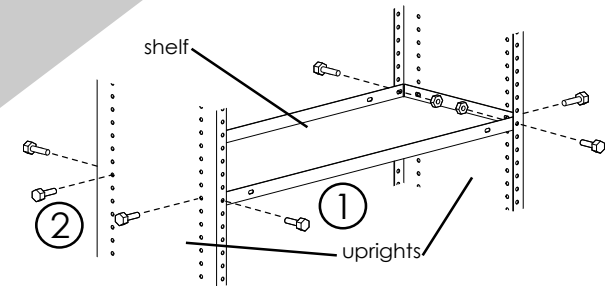
Figure 4 detail



## Fixed Shelf

Locate shelf flange up at desired height (if it is the bottom shelf then no lower than the 13th hole from the bottom to fit over a wheel well). Use (2) 1/4 - 20 x 3/4 screws and (2) 1/4-20 stop nuts on each corner.

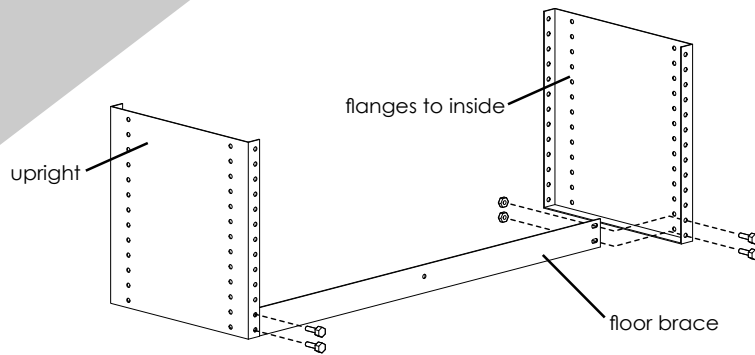
Figure 5



### Solid End Brace

Attach floor brace to solid upright set (flanges to the inside) using (2) 1/4 - 20 x 3/4 screws and (2) 1/4-20 stop nuts on each side.

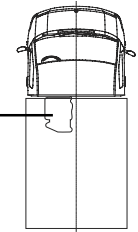
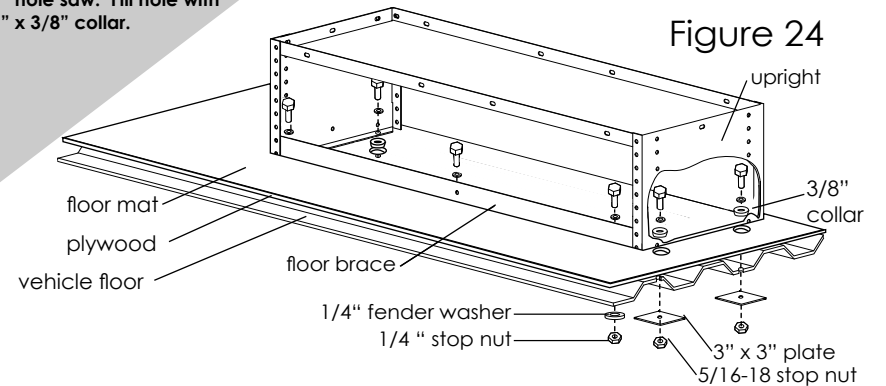
Figure 1



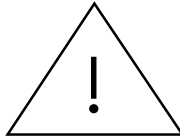
### Mounting to vehicle floor

Use holes in the upright ends and floor brace to mark drilling locations. Attach ends to floor using (2) 5/16-18 x 1-1/4 screws and (2) 5/16" washers from the top. Use (2) Sprinter mounting plates and (2) 5/16-18 stop nuts from the bottom. **NOTE: If mounting through floor mat and plywood, hole saw through both using 1" hole saw. Fill hole with 1" x 3/8" collar.**

Figure 24



Sprinter Van Fuel Tank

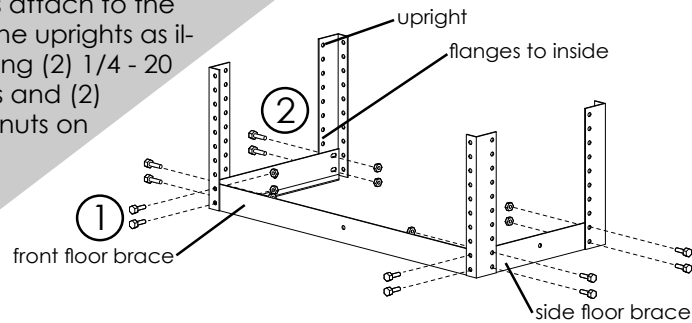


**Always check before drilling any holes to make sure no wiring or fuel lines will be damaged. Serious injury can result.**

### Open End Braces

Upright assemblies for open end shelving consist of (4) vertical uprights of equal height, (1) long floor brace (front) and (2) short floor braces (sides). All floor braces attach to the bottom of the uprights as illustrated using (2) 1/4 - 20 x 3/4 screws and (2) 1/4-20 stop nuts on each side.

Figure 2

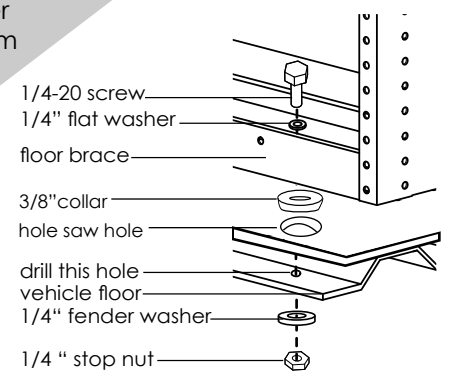


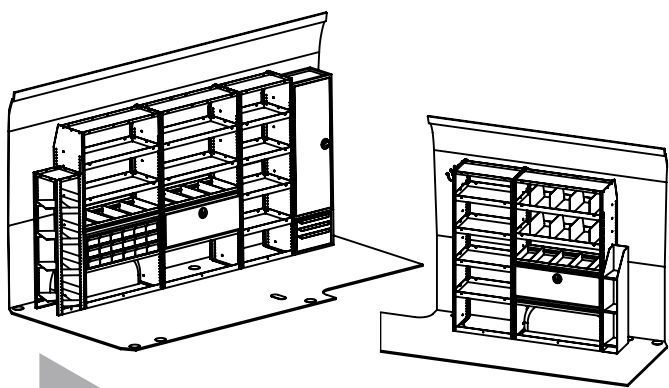
### Mounting floor brace

Figure 25

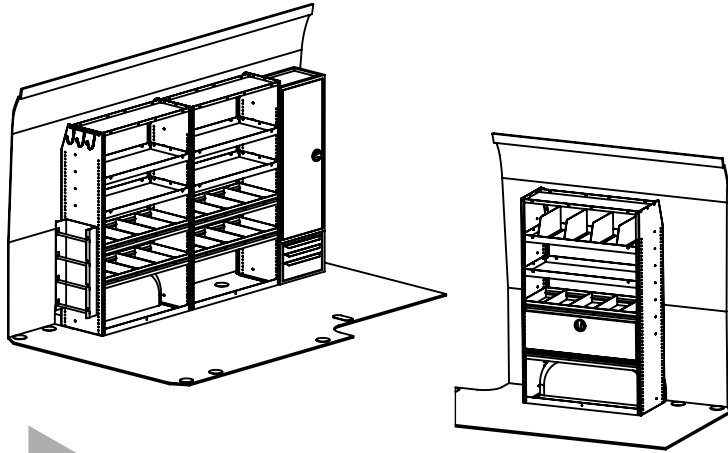
Attach front floor brace to floor using (2-3) 1/4-20 x 1-1/4 screws and 1/4" flat washers from the top and 1/4" fender washer and 1/4-20 stop nuts from the bottom. Obstacles such as fuel lines may prevent drilling through certain areas of the vehicle. It is NOT necessary to use every hole in every brace.

Use a spacer where a screw falls in a valley in the floor of the van to keep module square to floor.

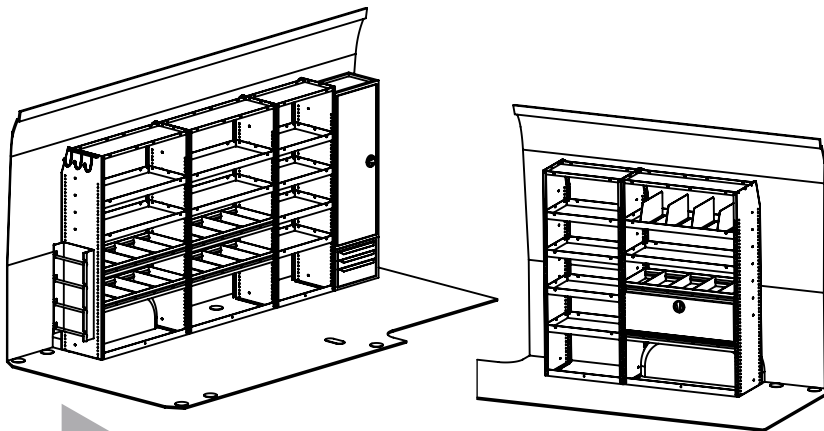




**PHVAC Package Sprinter 170" WB** (Shown With high roof)  
Package # 02A404



**Electrical Contractors Package Sprinter 144" WB** (Shown With high roof)  
Package # 02A373



**Electrical Contractors Package Sprinter 170" WB** (Shown With high roof)  
Package # 02A405

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### Recommended Tools

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|                                      |                        |
|--------------------------------------|------------------------|
| Power Drill                          | Hacksaw                |
| Drill stop                           | Vise                   |
| Drill bits                           | Pliers                 |
| 1/2", 7/16", and 7/8" Wrenches       | Utility knife          |
| 1/2" and 7/16" Socket<br>with Driver | Pop rivet setting tool |
| Safety Glasses                       | C clamp                |
| Hammer Center Punch                  | 1" Hole Saw            |
| Marking Pencil                       |                        |
| Straight Edge                        |                        |
| Phillips Screwdriver                 |                        |

## Parts List

### 60" Module Hardware Bag

| Item | Qty | Description                         |
|------|-----|-------------------------------------|
| 1    | 4   | Plus Nut Pre-bulb 5/16-18 Grade 2   |
| 2    | 1   | Plus Nut tool 5/16 #C500-31         |
| 3    | 3   | Top Attachment Bracket              |
| 4    | 4   | Mounting Washer 3"x3"               |
| 5    | 4   | Screw 5/16-18x1-1/4" Hexcap Grade8  |
| 6    | 1   | Screw 5/16-18x2 HHC Grade 5         |
| 7    | 52  | Screw 1/4-20x3/4 7/16 HWH Grade 5   |
| 8    | 3   | Screw 1/4-20x1-1/4 7/16 HWH Grade 8 |
| 9    | 9   | Plus Nut Pre-bulb 1/4-20 Grade 2    |
| 10   | 1   | Plus Nut tool 1/4 #C500-25          |
| 11   | 46  | Nut 1/4-20 E-stop                   |
| 12   | 4   | Nut 5/16-18 Prevailing Torque       |
| 13   | 4   | Washer USS 5/16                     |
| 14   | 4   | 1" x 3/8" Collar                    |
| 15   | 2   | T-Brackets                          |

## Caution:

Review all installation instructions before proceeding with the assembly.

**Always check before drilling any holes to make sure no wiring or fuel lines will be damaged. Serious injury can result.**

General Hardware bags are included, pieces may be leftover.

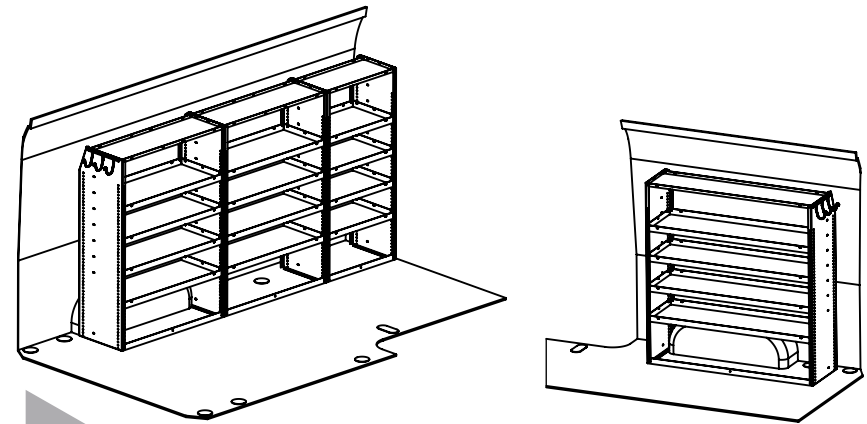
General Assembly: start at the bottom and work up. Storage doors are to be installed last.

Build module, tighten, then mount to vehicle. Tightening before module is complete may misalign parts.

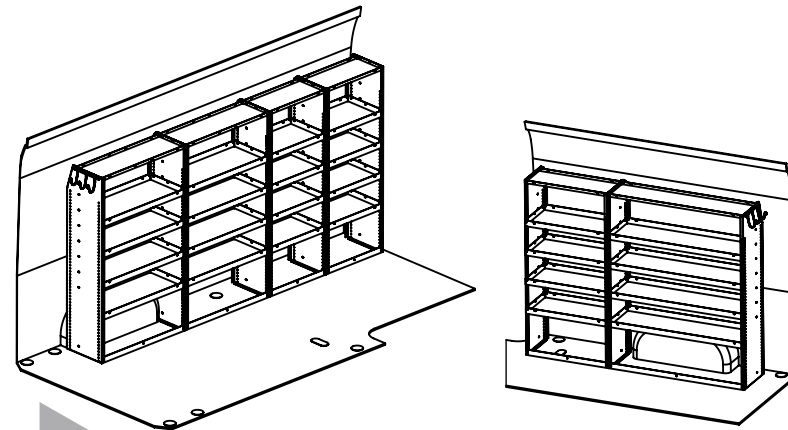
Under no circumstances should any flammable or combustible materials be stored in cabinets or enclosures.

Wear Safety glasses at all times during assembly and installation.

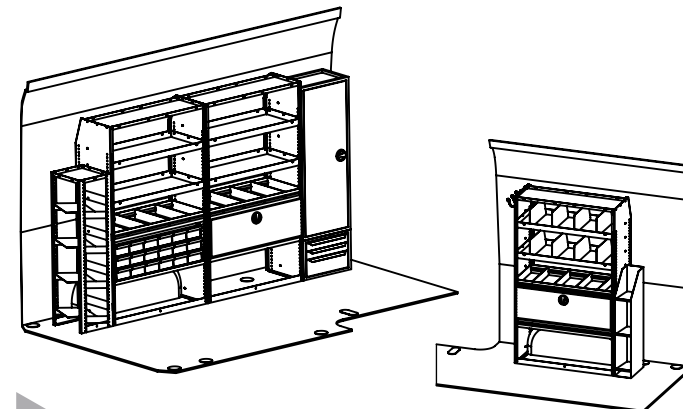
5/16-18 bolts require 22 ft/lbs of torque.  
1/4-20 screws to 11ft/lbs.



**General Service Package Sprinter 144" WB** (Shown with high roof)  
Package # 02A371



**General Service Package Sprinter 170" WB** (Shown with high roof)  
Package # 02A374



**General Service Package Sprinter 144" WB** (Shown with high roof)  
Package # 02A372



TAILOR FIT FOR A JOB DONE RIGHT

## **Sprinter Van Instruction Booklet**

### Steel Storage Modules



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