



Universal Dolly

Assembly Instructions



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UNIVERSAL DOLLY

Moving Your Truck Camper Just Got Easier.

Convenient Assembly



Safe and Easy Mobility



Aircraft-Grade Materials



Please make sure you have all listed parts before you start.

Parts included:

Quantity	Label in Photo	Part	Dimensions
4	A	Legs	
2	B	Swivel Casters with locks	
2	C	Rigid Casters	
2	D	Cross Rails	3" x 3" x 45"
4	E	Side Rails	3" x 3" x 32"
2	F	Center Side Rails	2½" x 2½" x 35"
4	G	Ratchet Straps	
44	H	¾ Bolts	3/8 - 16 x 1-1/4
44	I	Zinc Nut	3/8 - 16
88	J	Flat Washer	3/8
44	K	Lock Washer	3/8

Tools Required: 9/16" open end wrench & an adjustable wrench

Helpful Tools: 9/16" socket with ratchet wrench or battery powered impact wrench



See table on previous page for part names and dimensions.

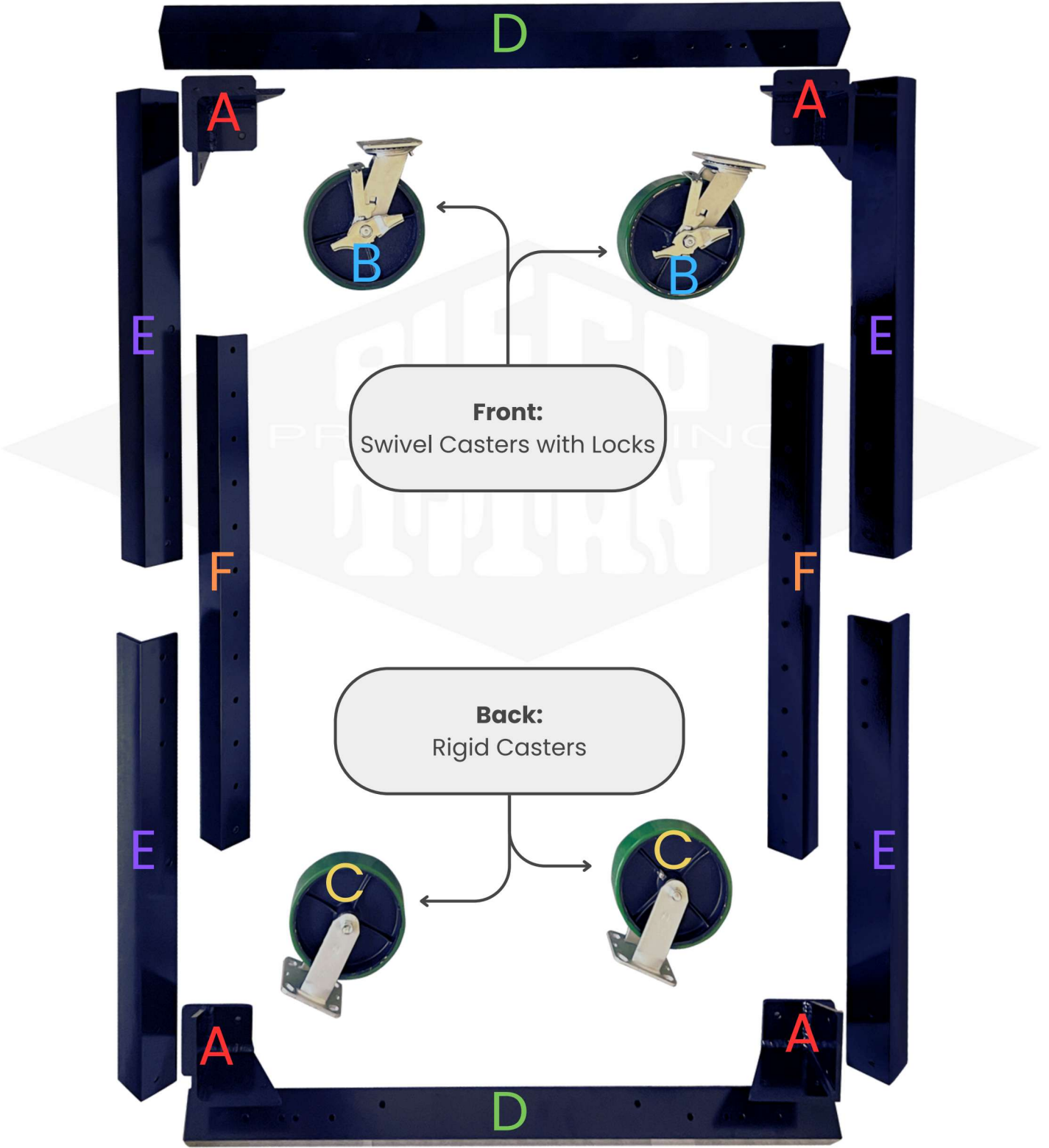


Figure 1. Part Layout

Step 1: Lay out all components face down in the shape of the dolly with the holes in the rails facing in to make sure all rails are in the correct position (Figure 1). The Side Rails (Part **E**) should have the sides with 2 holes closest to the legs (Part **A**) and the side with 3 holes towards the center side rail (Part **F**) (Figure 2).

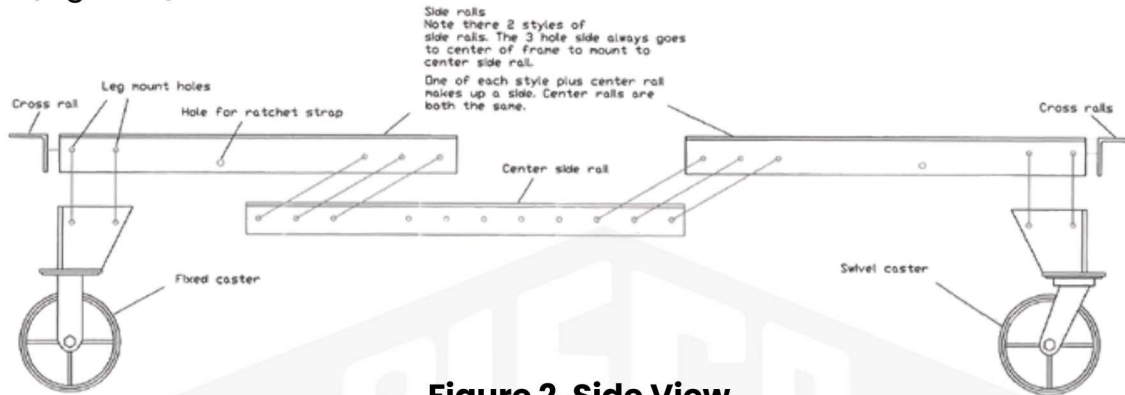


Figure 2. Side View

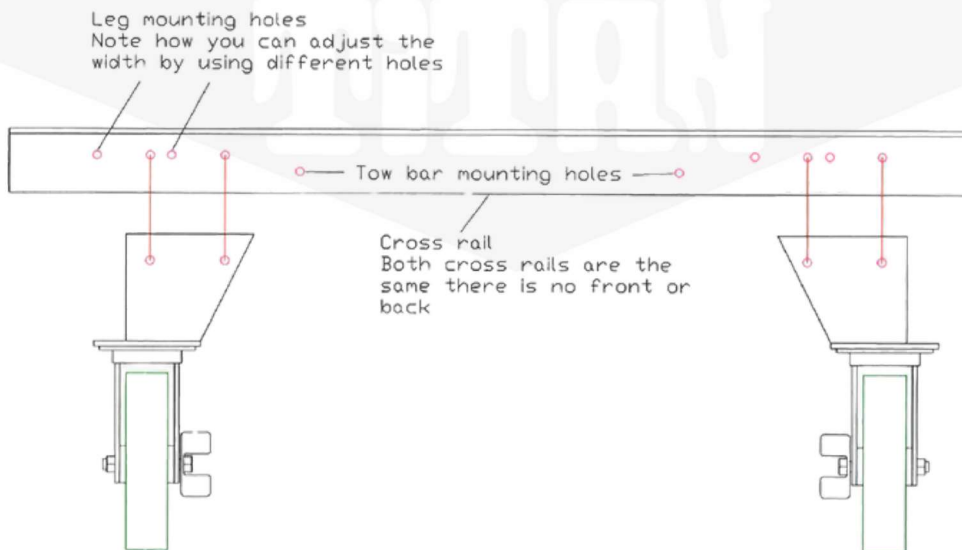


Figure 3. Front View

Step 2: Measure your camper basement to determine which orientation you need. The width of the dolly can be adjusted from 40 to 45 inches with increments every 2.5 inches. The length can be adjusted from 70-88 inches with 2-inch increments (Figure 4).

NOTE: It is ok for the rear of the camper to extend past the dolly.

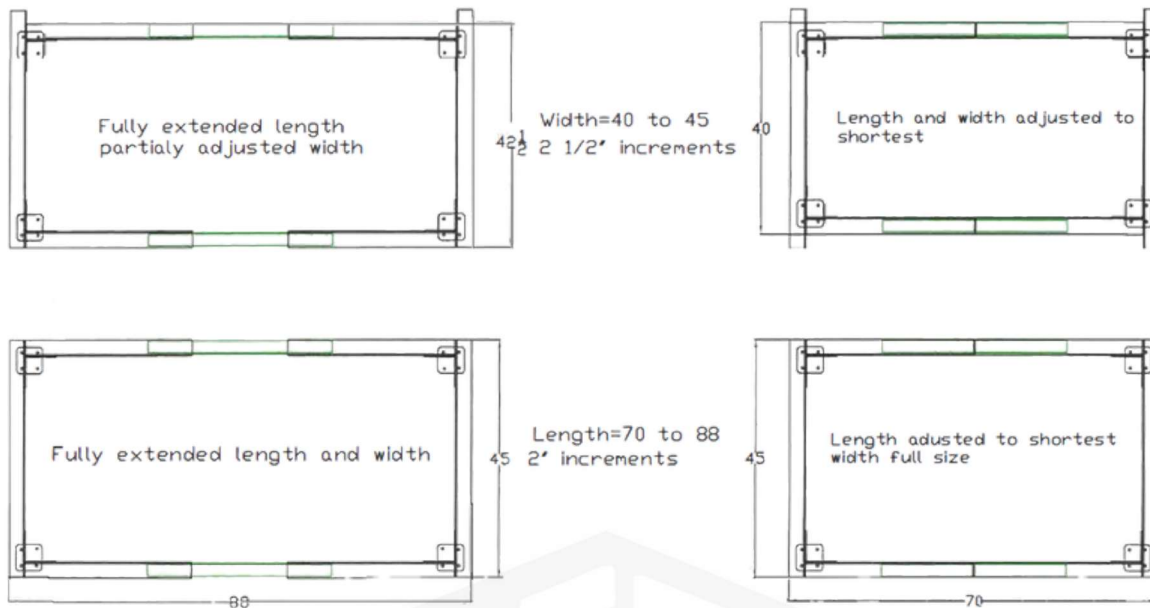


Figure 4. Dolly Configurations

Note:

At all attachment points use one bolt, 2 washers, 1 lock washer, and 1 nut:

- *Put one washer on the bolt then insert through holes to connect to the dolly*
- *After bolt is inserted, add second washer*
- *Then lock washer*
- *Finally attach nut to lock it into place.*

Step 3: Attach two legs (Part **A**) to both sides of each cross rail (Part **D**) with provided hardware. For narrow campers use holes that are closer to the center of the cross rail (Figure 3). Use the matching holes on both sides.

Step 4: Attach one of the side rails (Part **E**) to each leg (Part **A**). The side with 2 holes is the side that attaches to the leg. The side with 3 holes will attach to the center side rail (Part **F**) (see Step 5). At this point each center side rail and cross rail (Part **D**) will be attached to the legs.

NOTE: Have the length of your camper basement ready to determine the dolly length.

Step 5: Attach the center side rail (Part **F**) to the 3-hole ends of the side rails (Part **E**) using the appropriate holes for the length of your camper. Make sure both sides are bolted in the same positions (Figure 3). Do not fully tighten until the dolly is flipped back over (see Step 7).

NOTE:

Decide which of the narrow side of the dolly you will use for the end of camper that goes closest to the truck cab. This will be the "Front" of the dolly--the opposite end will be the "Back".

Step 6: Attach the swivel casters (Part **B**) to the legs (Part **A**) at the "Front" end of the dolly. Before bolting, ensure the caster mounting plate lines up with the holes of the leg plate and that the silver plates of the casters (Parts **B** & **C**) are running lengthwise with the dolly. The rigid casters are placed at the "Back" of dolly with wheels running parallel with the side rails (Part **E**).

Step 7: Flip dolly right side up--with the Casters (Parts **B** & **C**) on the ground.

Step 8: If you see bowing in the connection from the side rails (Part **E**) to the center side rails (Part **F**) (Figure 5) lift up on the center side rail and tighten bolts until the side rails are level (Figure 6).



Figure 5. Slanted Side Rails



Figure 6. Straight Side Rails

Step 9: When camper is placed on dolly connect the 4 ratchet straps to the holes in the side rails (Part **E**) of the dolly and the tie down holes on the camper.

Questions?

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