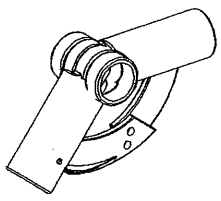




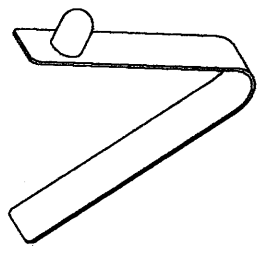
Do-It-Yourself Frame Kit

List of Parts included in kit:

Frame Joints
 Single Kit - Qty: 9
 Dual Kit - Qty: 12



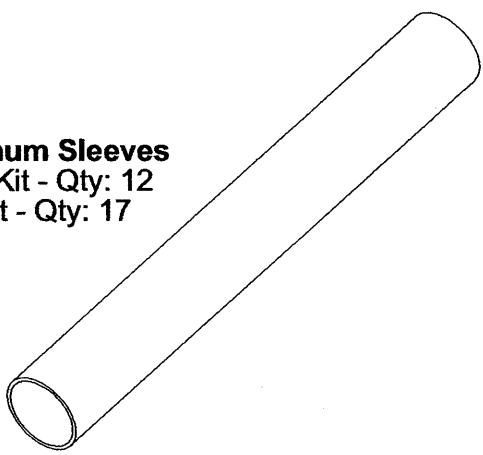
Snap Buttons
 Single Kit - Qty: 18
 Dual Kit - Qty: 24



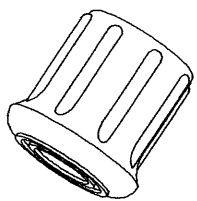
End Caps
 Single Kit - Qty: 6
 Dual Kit - Qty: 6



Aluminum Sleeves
 Single Kit - Qty: 12
 Dual Kit - Qty: 17



Crutch Tips
 Single Kit - Qty: 6
 Dual Kit - Qty: 8



1" Conduit for rafters, eaves, ridge and legs is not included with this kit and must be purchased separately from your local hardware store. See chart below for amount of conduit needed

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Frame Size	Feet of Conduit
10'x12'x6'	102'
12'x14'x5'	117'
12'x17'x5'	139'
14'x17'x5'	149'
16'x20'x5'	165'



Do-It-Yourself Frame Kit

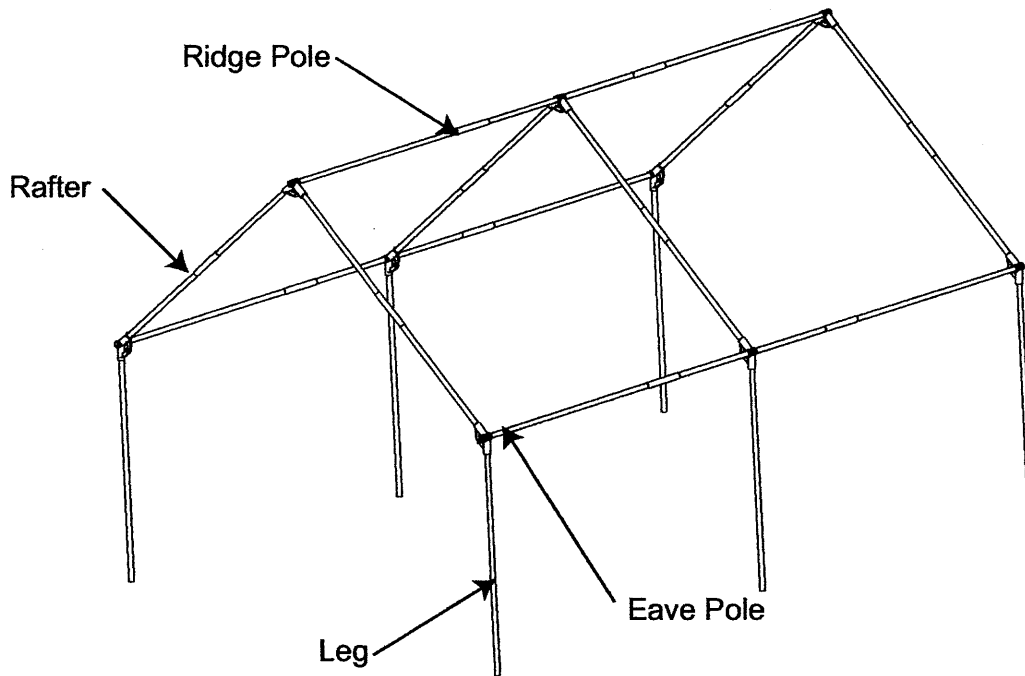
Parts of the frame

Rafters
Single Kit - Qty: 6
Dual Kit - Qty: 8

Eave Pole
Single Kit - Qty: 2
Dual Kit - Qty: 2

Ridge Pole
Single Kit - Qty: 1
Dual Kit - Qty: 1

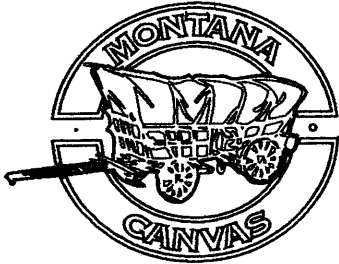
Legs
Single Kit - Qty: 6
Dual Kit - Qty: 8



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Measuring your tent

How to measure your tent

You will need five basic measurements in order to build a tent frame. The first measurement is the length of your tent. This can be found by measuring the inside of the tent along one of the tent eaves. (see Fig. 1)

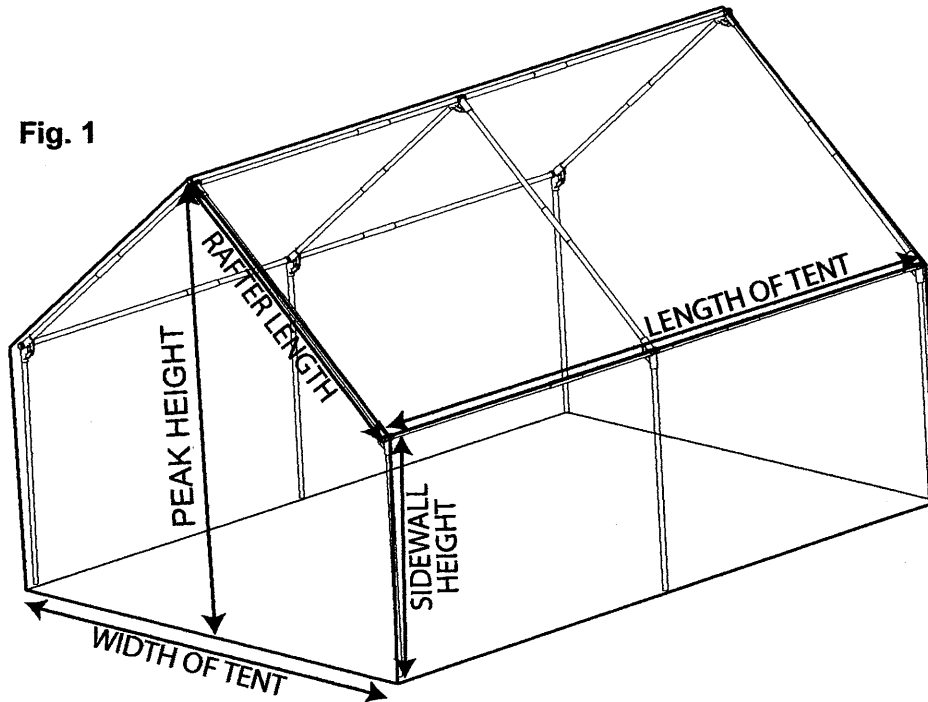
The next measurement is the rafter. This can be found by measuring from the peak of the tent to the eave on the inside of your tent. (see Fig. 1)

Next, measure the height of your sidewall to get the leg length. (see Fig. 1)

Finally, measure the width of the tent and from the ground to the peak. These two numbers will help you find the correct angles of each frame joint, which will be explained later. (see Fig. 1)

-Note: Once you have determined all measurements above, subtract 2" from each, and use these figures for your final measurements. This will allow for some shrinkage of the canvas tent body, if you have not set the tent up and shrunk it already.

Fig. 1



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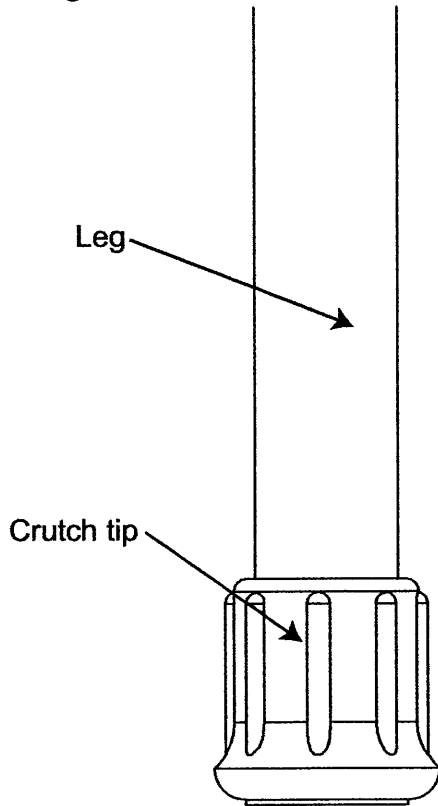
Do-It-Yourself Frame Kit

Cutting the leg pieces

For the leg pieces, the conduit will need to be cut 2" shorter than the height of the sidewall. For example: Your sidewall measured 58". You will need to cut the legs to 56". This will account for the frame joint length.

You will need 6-legs (3 per side) for the single kit and 8-legs (4 per side) for the dual kit. Once you have cut legs, you will need to attach a rubber crutch tip to one end of each leg piece. (see Fig. 2)

Fig. 2



For questions regarding these instructions, please contact:



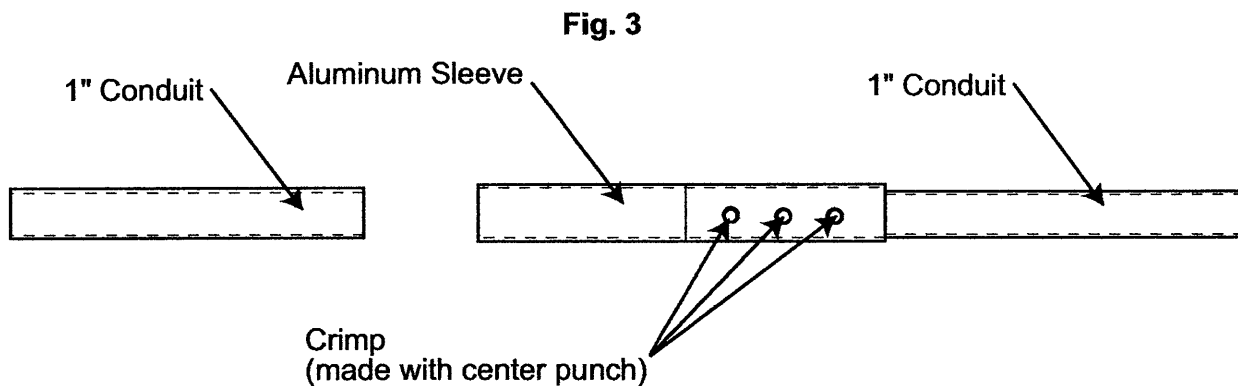
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Cutting the rafters

For the rafters, the conduit will need to be cut 4" shorter than the rafter measurement. For example: Your rafter measured 80". You will need to cut the rafter to 76". This will account for the frame joint at each end of the rafter.

In order to make the pieces more manageable, you should cut the 76" rafter in half and make two pieces that are 38" long each. One half will get an aluminum sleeve attached to it so that you can splice the two pieces together. The aluminum sleeve will be attached (to one half only) using a center punch to crimp the wall of the sleeve onto the 1" conduit. (see Fig. 3)



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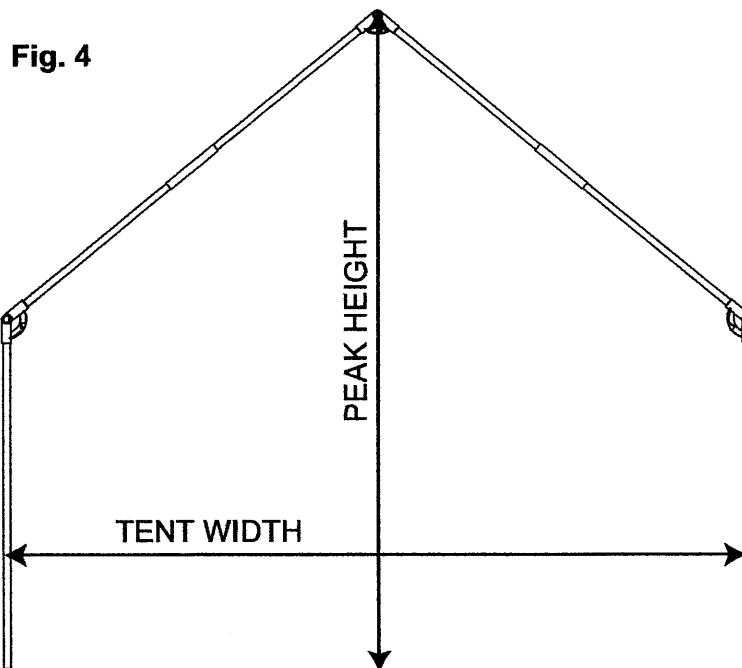
Do-It-Yourself Frame Kit

Getting the angles of the frame joints

The Frame joints come pre-drilled for two different angle settings, however, it is sometimes necessary to drill additional holes in the frame joints to get the proper angle.

The easiest way to find the angles for your frame joints is to lay out one of the end walls on the ground. (see Fig. 4) You will need 2 legs, 2 sets of rafters and 3 frame joints.

Lay all of these pieces out to form the shape of your end wall. You will need two measurements, the width of your tent and the height of the peak. Pull all three pins out of the frame joints and put the end wall together. Measure across and place your frame legs so that they are the desired distance apart. Then measure from the peak down. Once you have all of the pieces where they belong, check to see if the existing holes line up. If not, you can go ahead and drill a 1/4" hole in each of the frame joints and replace the pins. Repeat this process for other two sections with rafters.



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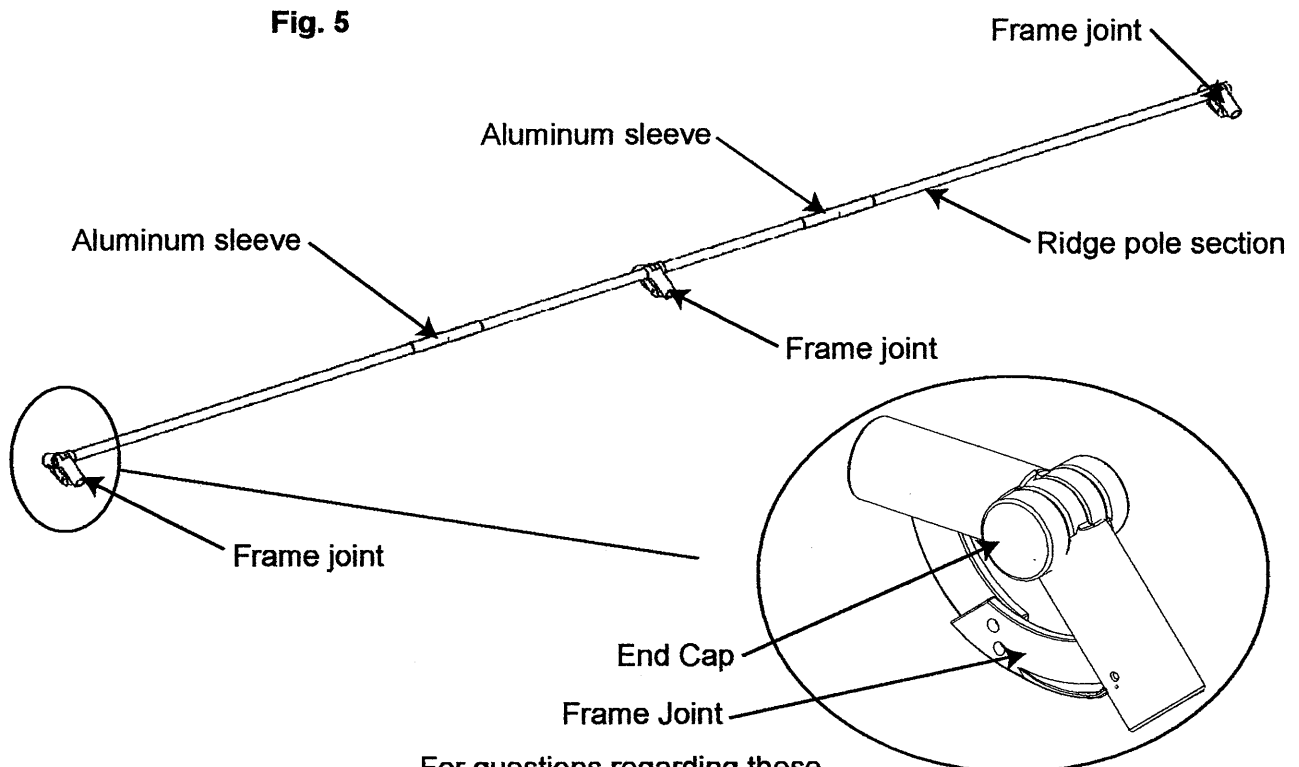


Do-It-Yourself Frame Kit

Putting together the ridge and eave poles

The ridge pole and the two eave poles will be exactly the same length. The only difference between the two will be the angles of the frame joints. The length of the tent that you measured is the length of the ridge and eave poles. You will not have to subtract anything for the frame joints.

For example: The length of your tent you measured is 170". Take this number and divide it into 3 equal pieces (4 equal pieces for the dual kit). For a 170" long tent using a single kit, the pieces will be 56 1/2" long. Attach a frame joint to one end of a piece and insert a black cap to hold it on. (see Fig. 5) Do this on two pieces. On the third piece, slide a frame joint to the middle. You may want to either put a spot weld or perhaps a pop rivet on either side to hold it in place. You can also do this on the ends. On each end of the middle piece, you will attach one of the aluminum sleeves so you can splice all three pieces together. Remember that the peak will have a different angle than the two eave sections.

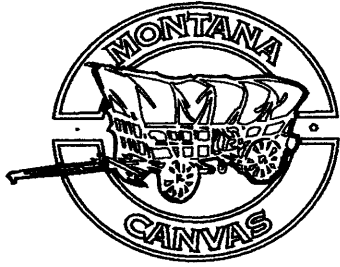


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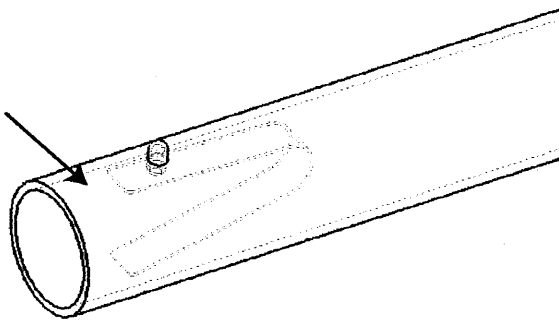
Do-It-Yourself Frame Kit

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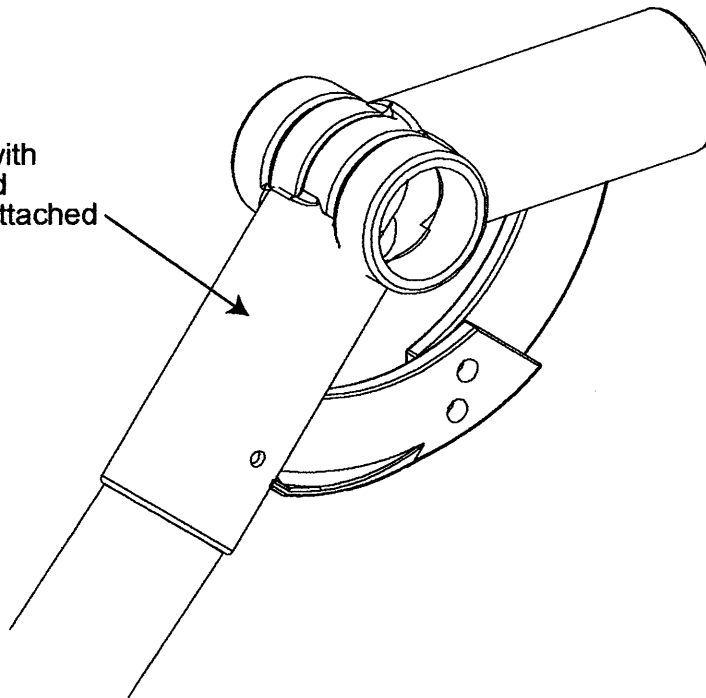
Adding snap buttons to joints

As an option, you may want to add the provided snap buttons to help hold the frame together during set-up. In order to do this, you will need an $\frac{1}{16}$ " drill bit. Insert either one end of a rafter or a leg into their corresponding frame joint. Measure up 1" from the bottom of the frame joint and drill a hole through the frame joint and the piece of conduit at the same time. (see Fig. 6) Remove the conduit and insert the snap button. (see Fig. 7)

1" Conduit with
snap button attached



Frame Joint with
1" conduit and
snap button attached



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