

Instructions

Step 1

1. Obtain parts J, A, H, B, and I
2. Obtain 8 #4 bolts
3. Obtain #9 tool
4. Align A and B parallel to each other, making sure the screw holes of both legs are aligned with each other
5. Make sure that the two sets of two holes on parts A and B are on the bottom, and the 2 sets of single holes are at the top.
6. Place part J in between parts A and B, aligned with the two top screws of A & B, making sure the side pieces of J are faced horizontally, with its individual segments in between facing vertically
7. Insert 4 #4 bolts perpendicular to the holes on part A.
8. Tighten each bolt that was just inserted using the #9 tool in the hole on the top of the bolt and twisting clockwise
9. Place part H in between parts A and B with the notch on both sides at the top towards part J
10. Insert 2 screws on the outer edge of parts A and B so that they go into part H
11. Tighten the two screws that were just inserted by putting the #9 tool in the top of the screw and twisting clockwise
12. Align part I's holes to the 1 screw at the bottom of part A
13. Make sure part I has the notch at the top of the part, towards part J
14. Push part I into the screws in part A.
15. Use the #9 tool to tighten the bolts on each side of part I by putting the tool in the bolt and twisting clockwise.
16. Obtain part G
17. Place part G on top of where part J is and align all 5 holes
18. Obtain 5 #2 bolts
19. Put all 5 #2 bolts into all 5 holes
20. Tighten by placing the #9 tool in each #2 bolt and twisting clockwise

Step 2

21. Obtain part C
22. Obtain part J
23. Obtain part D
24. Obtain 4 #4 bolts
25. Place part C with the center hole up
26. Place part D with the center hole up
27. Place part C to the left of part D
28. Align parts C and part D parallel with the edge dips facing inward
29. Place part J in between part C and part D
30. Align part J's holes with the top 2 holes of part C and part D

31. Insert 2 #4 bolts through part C and into part J
32. Tighten the #4 bolts with the #9 tool.
33. Align part J's holes with the top 2 holes of part C and part D
34. Insert 2 #4 bolts through part D and into part J
35. Tighten the #4 bolts with the #9 tool.
36. Obtain part G
37. Obtain 5 #2 bolts
38. Put all 5 #2 bolts into all 5 holes
39. Tighten by placing the #9 tool in each screw hole and twisting clockwise

Step 3

40. Obtain part K
41. Obtain part L
42. Obtain part M
43. Obtain part N
44. Obtain part Q
45. Obtain part R
46. Obtain 4 #2 bolts
47. Place part K with the screw holes facing you and the side with two screw holes to the right
48. Line up the 2 screw holes on part N with the two screw holes on the very left of part K
49. Using tool #9, fasten parts N and K together by screwing bolts through the two aligned holes
50. Repeat steps 46 - 47 with the next screw holes along piece K to the right, leaving an empty set of screw holes at the very right of part K
51. Align each screw hole on part L with an adjacent screw hole on each N piece
52. fasten part L with each N piece using tool #9 and 1 #2 bolt
53. Repeat steps 51 - 52 with the remaining screw holes on each N piece, instead with an M piece with the longer end to the left
54. Repeat steps 47 - 53, instead using a P piece on the bottom, a Q piece above it, and a R piece on top. The orientation of each piece does not matter. Steps 51 - 52 will be done a total of 3 times, once on the right, left, and center

Step 4

55. Obtain the product finished in step **39**
56. Obtain 3 of part T
57. Obtain part U
58. Obtain 8 #5 washers
59. Obtain 8 #6 washers
60. Obtain 8 #4 bolts
61. Obtain the #9 tool
62. Place the product from step **39** flat on the floor, with the screw holes facing upwards
63. Starting on the opposite side of where parts G and J were attached, place part T so that the screw holes on the corners align with two adjacent holes on either side of the

product from step **39** (the orientation of part T does not matter as long as it is placed long ways, with the holes lining up with the step 39 product)

64. Put a #6 washer on a #4 bolt
65. Then put a #5 washer on the same bolt
66. Repeat steps 64-65
67. Using the bolts prepared in step 66 along with a #9 tool, fasten the T piece to the step 39 product where the holes are lined up by placing the tool in the groove of the bolt and twisting clockwise
68. Repeat steps 63 - 67 with the next adjacent set of holes
69. Repeat steps 63 - 67 with the holes towards the "top" of the step 39 product (skipping one set of holes on the 39 product)
70. Repeat steps 63 - 67 in the remaining set of holes on the step 39 product, but use part U instead of part T

Step 5

71. Obtain part F
72. Obtain part E
73. Obtain 8 #5 washers
74. Obtain 8 #6 washers
75. Obtain 8 #4 bolts
76. Obtain the #9 tool
77. Place the product from step 70 on the floor, with the shelves facing upwards, and shelves in front of you with the shelf-less space away from you
78. Place part F on the left so that the four holes along the corner align with the corners of each of the four shelves
79. Place a #6 washer on a #4 bolt
80. Place a #6 washer on the same bolt, on top of the #6 washer
81. Repeat steps 79 - 80 three additional times
82. From the inside of the shelves, fasten part F to the product by screwing it through each of the 4 holes that were aligned in step 78
83. Use tool #9 to tighten the bolts by placing the tool in the groove of the bolt and twisting clockwise
84. Repeat steps 78 - 83, but instead attach part E to the right side of the product

Step 6

85. Get a friend to help you since this step requires two people
86. Get the part completed in step 5 (right headboard) and the part completed in step 1 (left headboard)
87. Obtain the two parts completed in step 3
88. Obtain parts S, V, and 4 number 4 bolts
89. Set up the bolts in the holes on the edge of the left and right headboard at the bottom and the middle along the backside of both, so that they are sticking inwards through these 4 holes
90. Place part V at the bottom two holes with the notch aligning with the auxiliary hole on top

91. Screw in the screws by using the number 9 tool and twisting clockwise into the two holes on part V so that it barely holds together
92. Get part S so that the 90 degree angle in the part faces up and the short side of the 90 degree angle faces the back side of the bed
93. Repeat step 91 but with part S
94. Place the front side barrier part on the front side towards the top
95. Make sure the gap is on the right hand side
96. Place positive part I into negative part II
97. Repeat steps 94 and 96 with the back side barrier part

Step 7

98. Obtain 8 number 1 bolts
99. Place the bolts in the holes connecting part I and negative part II
100. Fully tighten the barely screwed in screws set up in step 6
101. Fully tighten all the bolt places in step 99

Step 8

102. Obtain 3 number 8 bolts
103. Place one number 8 bolt in the hole that connects the left backboard to the front rail
104. Place the other 2 number 8 bolts in the two holes that connect the left and right backboards to the back railing
105. Screw in all 3 bolts placed in steps 103 and 104 using the number 9 tool by turning it clockwise
106. Obtain two number 2 bolts
107. Screw them into the two holes connecting the left post of the ladder to the bed frame/railing using the number 9 tool by turning the tool clockwise

Step 9

108. Obtain two of each of the following, washer number 5, washer number 6, bolt number 3
109. Place washers 5, then 6 in front of the holes on the underside of both sides of the desk mount
110. Insert bolt 3 into the two washers on both sides
111. Screw the bolts in using the number 9 tool by inserting the tool into the screw and twisting clockwise

Step 10

112. Obtain part Y
113. Place it in the center of the bed frame
114. Slide in part y into the rail holder so that it locks in place on both side

Step 11

115. Obtain part W
116. Spread out part W so that each beam is evenly spaced
117. Obtain 6 number 7 screws
118. Obtain a screwdriver
119. Screw in each screw into the 6 holes on the wooden slats using a screwdriver

120. Stand back and marvel at your new completed bed frame

Variables

piece_A: The piece labeled A in the instructions
piece_B: The piece labeled B in the instructions
piece_C: The piece labeled C in the instructions
piece_D: The piece labeled D in the instructions
piece_E: The piece labeled E in the instructions
piece_F: The piece labeled F in the instructions
piece_G: The piece labeled G in the instructions
piece_H: The piece labeled H in the instructions
piece_I: The piece labeled I in the instructions
piece_J: The piece labeled J in the instructions
piece_K: The piece labeled K in the instructions
piece_L: The piece labeled L in the instructions
piece_M: The piece labeled M in the instructions
piece_N: The piece labeled N in the instructions
piece_P: The piece labeled P in the instructions
piece_Q: The piece labeled Q in the instructions
piece_R: The piece labeled R in the instructions
piece_S: The piece labeled S in the instructions
piece_T: The piece labeled T in the instructions
piece_U: The piece labeled U in the instructions
piece_V: The piece labeled V in the instructions
piece_W: The piece labeled W in the instructions
piece_Y: The piece labeled Y in the instructions

bolt_1: The bolt labeled 1 in the instructions
bolt_2: The bolt labeled 2 in the instructions
bolt_3: The bolt labeled 3 in the instructions
bolt_4: The bolt labeled 4 in the instructions

washer_5: The washer labeled 5 in the instructions
washer_6: The washer labeled 6 in the instructions

screw_7: The screw labeled 7 in the instructions
screw_8: The screw labeled 8 in the instructions

tool_9: The Allen wrench labeled 9 in the instructions
tool_10: A drill to fasten screw_7 and screw_8

unit_2: The unit assembled in parts 1 through 2
Unit_4: The unit assembled in steps 3 through 4
unit_5: The unit assembled in step 5
unit_9: The unit assembled in steps 6 through 9

product: an object that represents the current state of the build