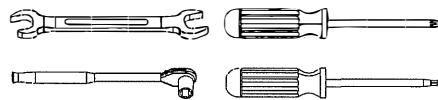
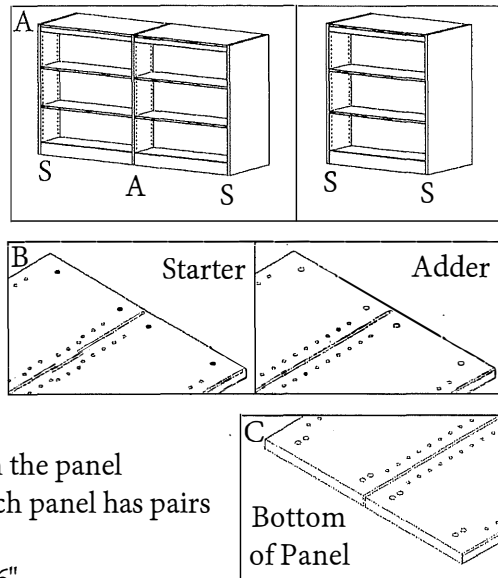

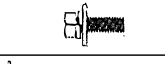



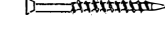

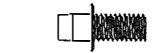
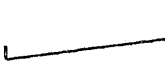

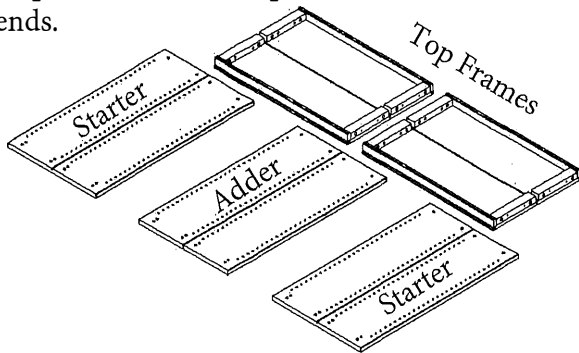


Shelving is assembled in starter/adder configuration. Multiple units can be assembled and lifted into place at a time; **help is required**. Starter panels will begin and end a 'run' of shelving and adder panels will be in the middle (detail A). Starter panels have metal inserts and adder panels have holes that pass through the panel (detail B). The bottom of each panel has pairs of holes (detail C).
 Required tools: 1/2" and 9/16" box wrench OR socket wrench, Philips head and #2 square drive screw driver.

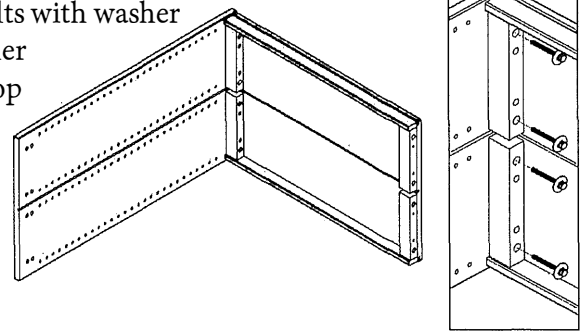


INCLUDED HARDWARE	
STARTER BAG	 x8
1 PER RUN	 x8
ADDER BAG	 x4
1 PER ADDER	 x4
CASTER WITH 3/8" NUT AND LOCK WASHER	 4 PER UNIT
2 1/2" SCREW	 8 PER UNIT
5/8" SCREW	 2 PER UNIT
SHELVING PINS	 4 PER SHELF
STARTER BRACE	 1 EACH END OF RUN ONLY WHEN ≥60" TALL
7/8" SCREWS	 4 PER STARTER BRACE

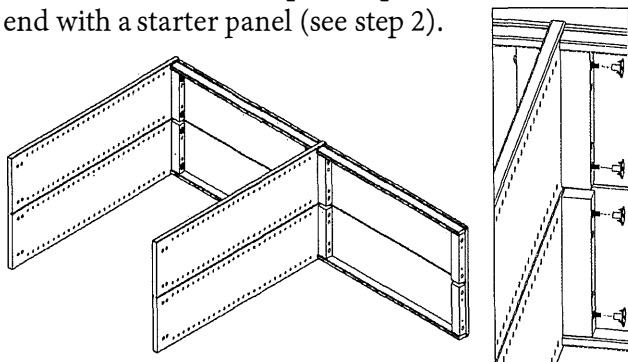
1. Lay out panels and top frames as shown on a carpeted floor. Starter panels should be at both ends.



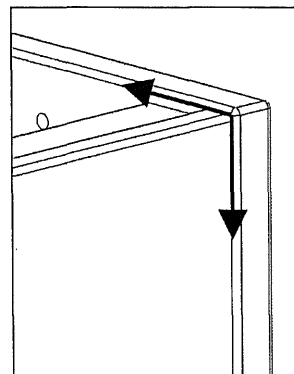
2. Turn top frame and first starter on edge as shown. Align top frame holes with metal inserts. Pass (4) long starter bag bolts with washer and lock washer through the top frame holes. Hand tighten the bolts into the starter panel metal inserts.



3. Turn 2nd top frame and adder panel on edge as shown. Align top frame holes with panel holes. Pass (4) long adder bag bolts with washers through both top frames and the adder panel. Hand tighten the T-nut onto the bolt. Repeat step 3 as needed, then end with a starter panel (see step 2).

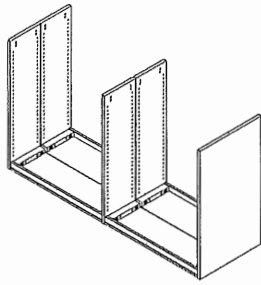


4. Once bolts are hand tightened, align all top frames to be flush with the end panel edgeband.

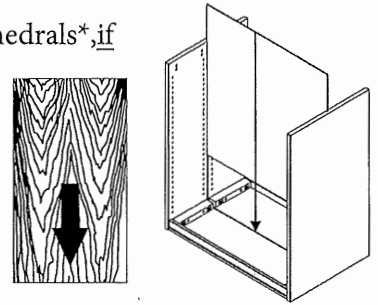


5. Once the top frames are aligned use a 1/2" wrench to tighten each bolt slowly. Frames can be lightly tapped with your hand to maintain alignment during tightening. Do not over tighten the starter panel bolts. Adder panel bolts should be tightened until the T-nuts "bite" completely into the frame brace.

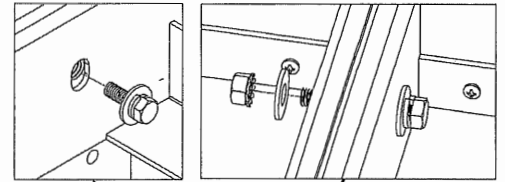
6. With help from others, turn the run onto the top frames, supporting units uniformly along the length of the run.



7. Turn 1/4" T partition so that the cathedrals*, if present, are pointing toward the top frame. Carefully slide the back into the grooves machined into the panels and top frame. Repeat for each unit in run. (*Cathedrals are formed by the wood grain in the veneer as pictured)

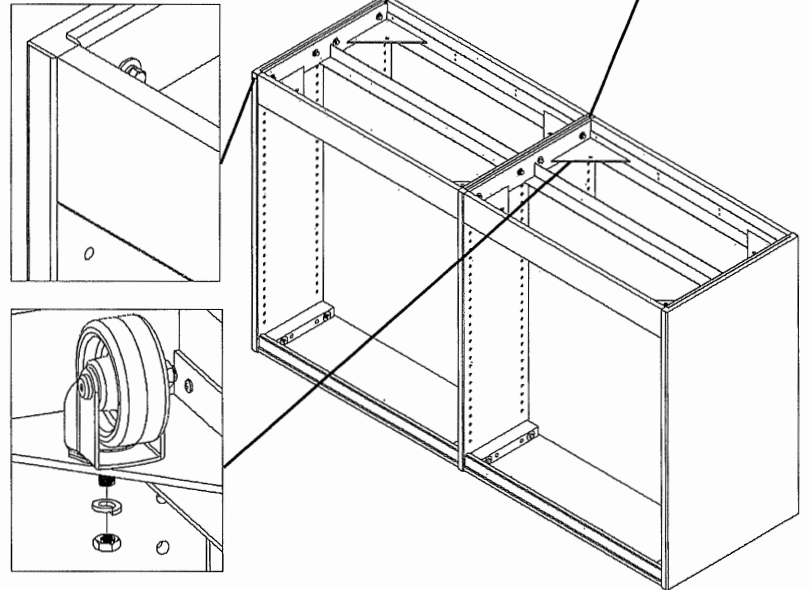


8. After placing a Titan cart onto uprights as shown below, hand tighten (4) short starter bag bolts with washer and lock washer through the holes on each Titan cart and into starter panel metal inserts. Pass (4) adder bag bolts with washer and lock washer through both Titan carts and the adder panel. Hand tighten a washer and lock nut onto adder panel bolts.



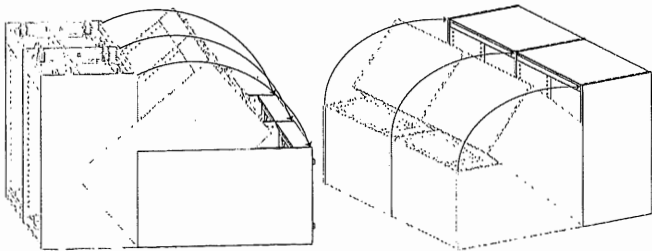
9. Once bolts are hand tightened, align all Titan cart toe boards to be flush with the end panel edgeband, as shown.

10. Once the toe boards are aligned use a 1/2" wrench to tighten each bolt slowly. Carts can be lightly tapped with your hand to maintain alignment during tightening. Do not over tighten the starter panel bolts. Adder panel bolts should be tightened moderately without completely flattening the lock nut.



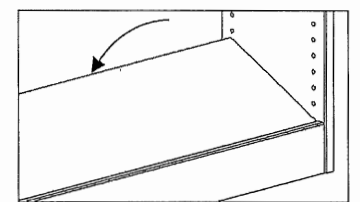
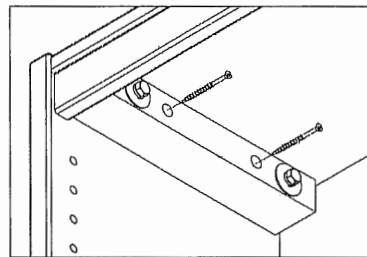
11. Using the 3/8" lock washers and nuts, fasten casters firmly, as shown, with a 9/16" wrench.

12. With help from others, set the run down, then stand the run upright onto the casters, supporting units uniformly along the length of the run.

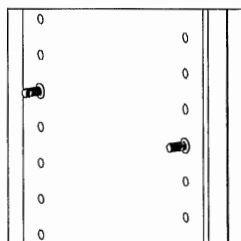


13. Use (2) 2 1/2" screws to screw through all top frame wood blocks and into upright panels.

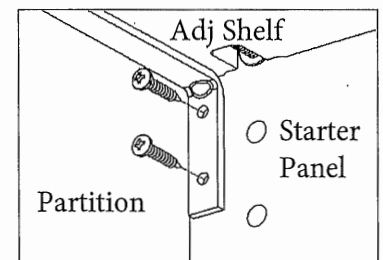
14. Place bottom shelves in as shown, good side up, and press back edge into place.



15. Place shelf pins at desired height, four per shelf with threaded end out, then place shelves.



16. For shelving ≥60"H, fasten a starter brace between each starter panel and the panel adjacent with (4) 7/8" screws. These bars should be attached half way up the uprights and should span across the partition. Install under a shelf for concealment.



PLACE BOOKS ON SHELVES ONLY AFTER UNITS HAVE BEEN FULLY AND PROPERLY ASSEMBLED. STARTER BRACES ARE REQUIRED ON DOUBLE FACE SHELVING ≥60"H. NEGLECTING TO USE STARTER BRACES IS NOT WARRANTIED. THE MANUFACTURER WILL NOT BE LIABLE FOR SHELVING THAT IS INSTALLED INCORRECTLY.



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