

INSTALLATION GUIDE



TOOLS NEEDED:



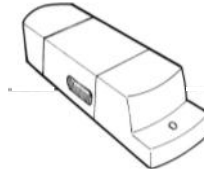
CORDLESS DRILL



1/2" BOX END WRENCH



PHILLIPS SCREWDRIVER



STUD FINDER



6' LADDER

BOX #1-TRAY BOX



HARDWARE BAG



8 -CONFORMAT BOLTS -2



4 -2" MACHINE BOLTS



6-WOOD SCREWS -3 1/2"



ALLEN
WRENCH

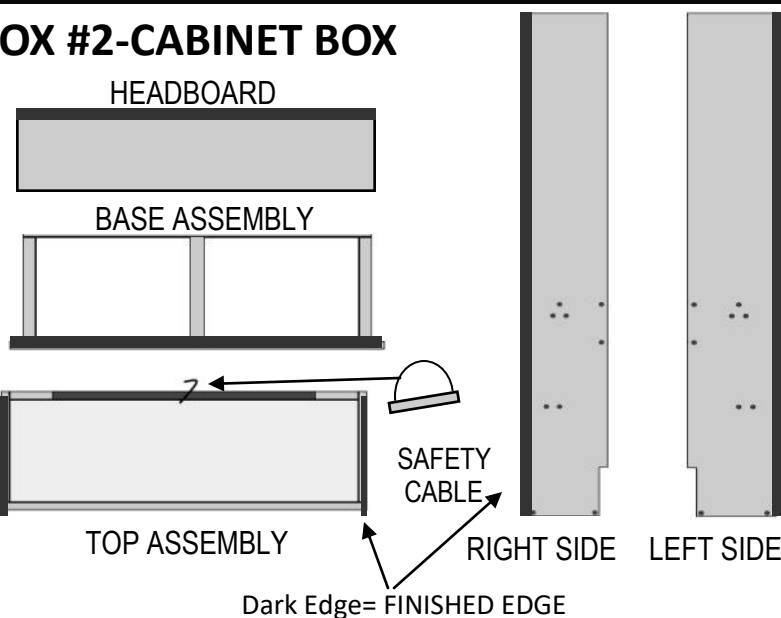


2 DECORATIVE HANDLES
WITH SCREWS-style may vary



2 PISTONS

BOX #2-CABINET BOX



2 RECTANGULAR
AXLE PLATES



2 TRIANGLE
PLATES WITH BALL STUD



12 SLEEVES WITH
12 BOLTS



4 WOOD
SCREWS

ATTACH CABINET HARDWARE

BOLT AND SLEEVE

ATTACH THE TRIANGLE PLATE

TO EACH OF THE CABINET SIDES USING 3 SLEEVES AND BOLTS. PLACE THE SLEEVE ON THE OUTSIDE OF THE CABINET AND THE BOLT ON THE TRIANGLE PLATE. TIGHTEN WITH A PHILLIPS SCREWDRIVER AND THE ALLEN WRENCH.

TRIANGLE PLATE

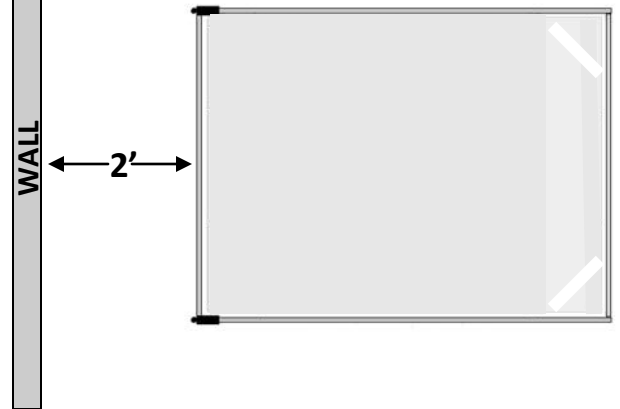
ATTACH THE MALE PIVOT PLATE

TO EACH OF THE CABINET SIDES USING 2 SLEEVES AND BOLTS. PLACE THE SLEEVE ON THE OUTSIDE OF THE CABINET AND THE BOLT ON THE TRIANGLE PLATE. TIGHTEN WITH A PHILLIPS SCREWDRIVER AND THE ALLEN WRENCH. USING THE WOOD SCREWS, SECURE THE PLATE INTO THE CABINET SIDE-THROUGH THE PLATES LOWER HOLES.

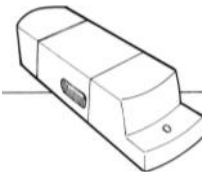
BASEBOARD NOTCH
FINISHED EDGE

PLACE TRAY ON FLOOR

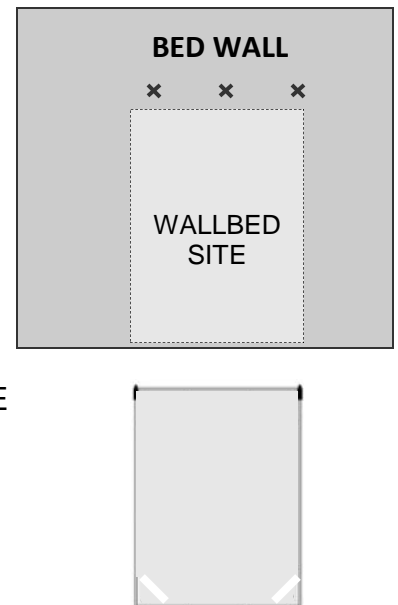
LAY TRAY ON THE FLOOR, FINISHED SIDE DOWN, WITH THE HEAD END AT LEAST 2' FROM THE WALL.



LOCATE WALL STUDS



USING A STUD FINDER, MARK THREE STUDS IN THE WALL. BEHIND WHERE THE WALLBED WILL BE INSTALLED.

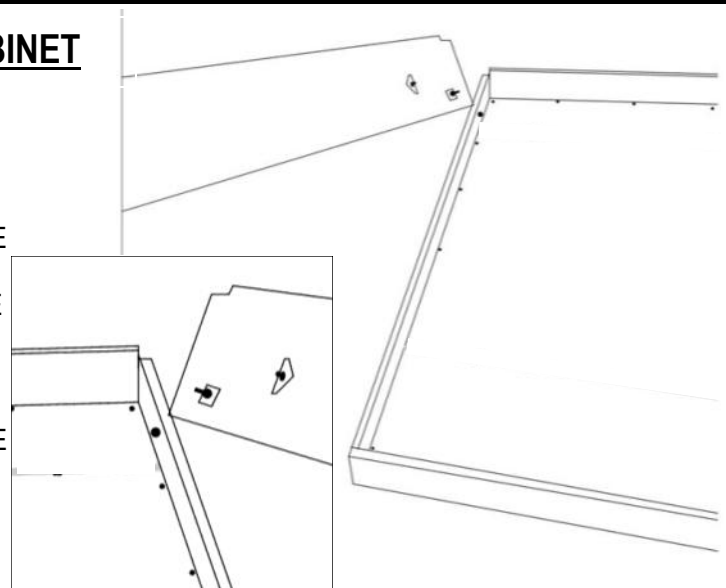


CABINET

WALL

BUILD THE CABINET

PLACE CABINET SIDES, FINISHED EDGE FACING THE FLOOR, NEXT TO THE TRAY SO THE PIVOT HOLE AXLES ON THE CABINET SIDES ARE NEAR THE PIVOT HOLE PLATES ON THE TRAY. SLIDE THE AXLES INTO THE HOLES.



MOUNT THE PISTONS BY FIRST SNAPPING THE SHAFT END ONTO THE ADJUSTABLE BALL STUDS MOUNTED ON THE TRAY END. GRASP THE BARREL END OF THE PISTON AND ROTATE IT 180 DEGREES SO THE END SOCKET FACES THE BALL STUD ON THE TRIANGLE PLATE FOUND ON THE CABINET SIDE.

ADJUST BOTH BALL STUDS ON THE TRAY BY ROTATING THE BOLT HEADS WITH YOUR WRENCH TO LINE UP THE BARREL END AND BALL STUD MOUNTED ON THE SIDE PANELS. YOU WILL THEN BE ABLE TO EASILY SNAP THE BARREL END OF THE PISTONS ONTO THE BALL STUDS. **DO NOT HAMMER OR USE OTHER FORCE.** WHEN THE BALL AND PISTON END ARE LINED UP, THEY SNAP TOGETHER.

Fig. 1



Fig. 2

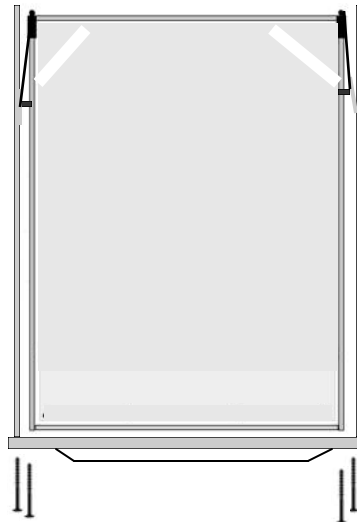


Adjust the tray connections another 1/2" toward the foot end of the bed by turning the bolt head clockwise (Fig. 2). This will compress the piston and keep the bed firmly closed when it is in the installed position.

TOP ASSEMBLY

PLACE THE CABINET TOP ASSEMBLY BETWEEN THE CABINET SIDES AT THE END AWAY FROM THE WALL. THE FINISHED EDGES FACING THE FLOOR AND THE TRAY. INSERT AND TIGHTEN 2 MACHINE BOLTS THROUGH THE HOLES INTO EACH SIDE OF THE TOP.

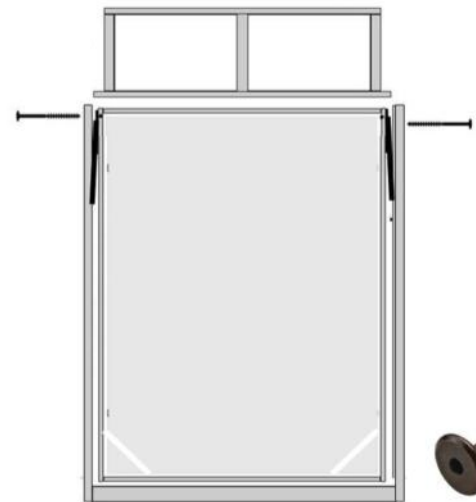
BOLTS ARE FOUND IN THE BAG ATTACHED TO THE CABINET TOP.



BASE ASSEMBLY

BASE ASSEMBLY ATTACH THE BASE FRAME BETWEEN THE SIDES AT THE END CLOSEST TO THE WALL. THE FINISHED EDGE SHOULD BE FACING THE FLOOR. THE TOP EDGE SHOULD BE FLUSH WITH THE BASE ASSEMBLY. SLIP MACHINE BOLTS IN THE PRE-BORED HOLES ON THE BACK EDGE OF THE SIDES NEAR THE PISTON JOINTS.

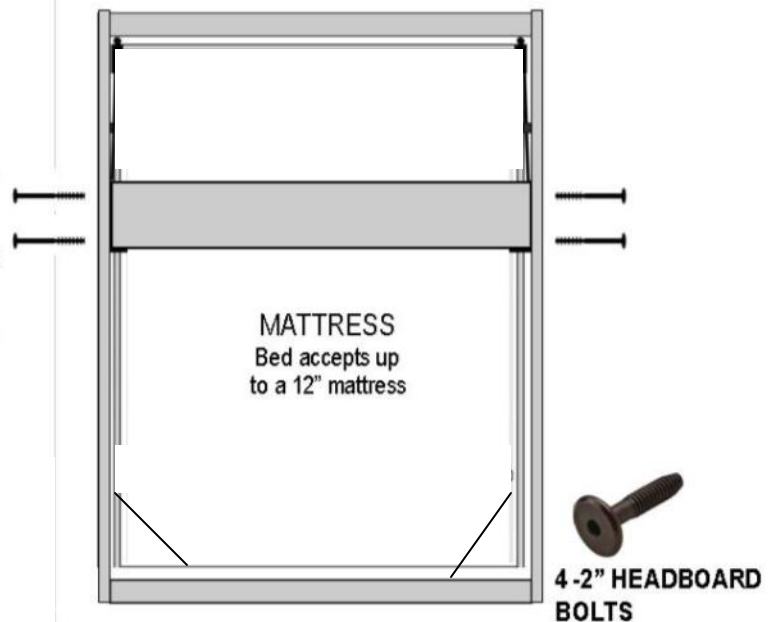
INSERT YOUR MATTRESS PLACE YOUR MATTRESS INSIDE THE TRAY AND SECURE IT



4-MACHINE BOLTS - 2 5/8"

ATTACH THE HEADBOARD

LAY THE HEADBOARD ON THE BOLTS BETWEEN THE SIDES, WITH THE FINISHED SIDE FACING THE MATTRESS AND THE FINISHED EDGE FACING THE CABINET TOP. ATTACH THE PANEL AT EACH END BY LIFTING THE END, RETRACTING THE BOLTS, LETTING THE END DOWN IN POSITION, AND STARTING THE BOLTS IN TO THE PANEL ENDS. WHEN ALL THE BOLTS ARE STARTED, TIGHTEN FIRMLY WITH THE ALLEN WRENCH.

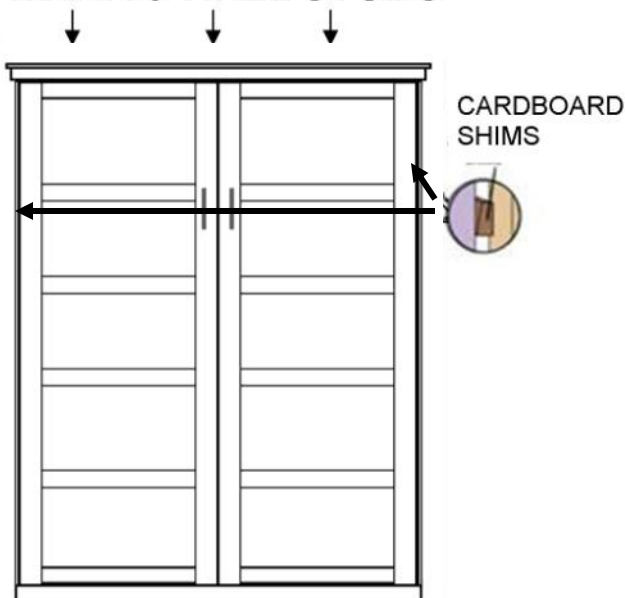


ATTACH TO THE WALL

SLIP SOME CARDBOARD BETWEEN THE CABINET SIDES ABOUT 6' UP. THESE SHIMS WILL KEEP THE BED SQUARELY ALIGNED AS YOU ATTACH IT TO THE WALL.

USING A STUD FINDER, LOCATE 3 WOOD WALL STUDS BEHIND THE BED AND MARK THEM WITH A VERTICAL LINE EXTENDING A FEW INCHES ABOVE AND BELOW THE CABINET TOP. WITH TWO PEOPLE TILT YOUR WALLBED INTO POSITION AGAINST THE WALL, MAKING SURE THAT ALL 3 STUD LINES ARE BETWEEN THE 2 SIDE PANELS. REACH OVER THE TOP OF THE UNIT AND DRIVE 6 - 3 1/2" WOOD SCREWS THROUGH THE TOP ASSEMBLY BACK RAIL INTO THE WALL STUDS.

MARK 3 WALL STUDS

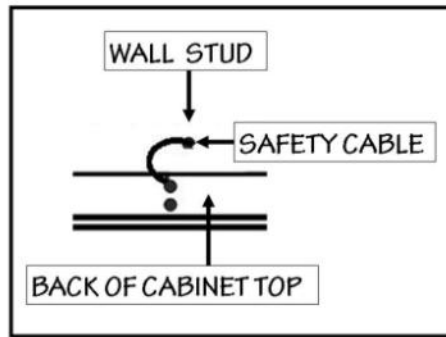


**If you are working with sheet metal studs, cinder block, brick, or concrete, you must provide three anchor points of 100 pounds strength each, before installing a Wallbed!
!!! DO NOT ANCHOR TO SHEETROCK !!!**

**MAKE SURE THERE ARE NO PLUMBING PIPES IN THE AREA WHERE YOU ARE ATTACHING THE BED.
CONSULT A LICENSED CONTRACTOR WITH ANY INSTALLATION CONCERNS**

INSTALL THE SAFETY CABLE

LOCATED IN THE TOP OF YOUR BED. ATTACH ONE END OF THE SAFETY CABLE TO THE CABINET BACK RAIL WITH THE 3/4" SCREW PROVIDED. LEAVING ABOUT A 3" LOOP IN THE CABLE ATTACH THE WOOD SCREW INTO THE CLOSEST WALL STUD WITH THE 2" WASHER HEAD SCREW ABOUT 1" HIGHER THAN THE CABINET TOP. THE SCREW WHEN PROPERLY DRIVEN INTO THE WALL STUD SHOULD BE FAIRLY HARD TO DRIVE.



SAFETY CABLE-ATTACH CABLE TO CABINET TOP AND INTO WALL



THE FUNCTION OF THE SAFETY CABLE IS TO MAKE ATTACHMENT FAILURE OF THE BED VISABLE BY ALLOWING THE BED TO COME AWAY FROM THE WALL 2 TO 3 INCHES. WHEN YOU SEE THIS CONDITION DO NOT OPEN THE BED! YOU MUST INVESTIGATE WHAT IS WRONG AND CORRECT IT!

CHECK ALIGNMENT OF WALLBED

YOUR WALLBED SHOULD NOW BE IN LOCATION. VISUALLY CHECK THE ALIGNMENT OF THE MATTRESS TRAY AND CABINET BY LOOKING AT THE NARROW SPACE BETWEEN THE TRAY AND THE CABINET SIDES TO SEE THAT THE TRAY WILL NOT BE RUBBING EITHER SIDE PANEL. TO CORRECT ALIGNMENT, JUST NUDGE THE BASE OF THE CABINET SLIGHTLY TO EITHER SIDE. WHEN ALIGNMENT IS CORRECT HOLD THE BED OPEN, REACH IN UNDERNEATH AND DRIVE A 2 1/2" WOOD SCREW THROUGH THE BACK RAIL INTO THE WALL OR FLOOR, AS YOU CHOOSE. THIS WILL KEEP THE CABINET FROM SHIFTING OFFLINE

ATTACH DECORATIVE HANDLES

ONCE YOU HAVE YOUR BED SECURELY FASTENED INTO 3 WALL STUDS YOU CAN OPEN THE BED. ONE PERSON HOLDS THE BED OPEN AS THE SECOND PERSON LIFTS THE CARDBOARD LINER TO SEE 4 HOLES FOR THE HANDLE SCREWS. INSERT THE HANDLE SCREWS TO ATTACH THE HANDLES ON THE FINISHED TRAY FRONT.

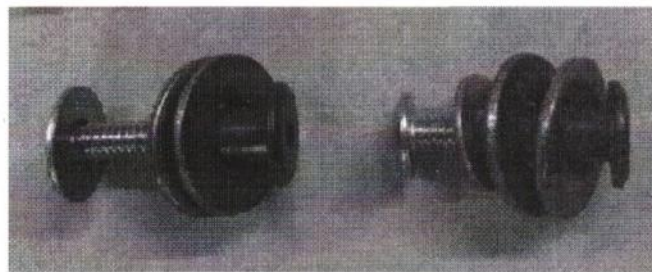
INSERT YOUR MATTRESS

AFTER YOU HAVE YOUR HARDWARE FASTENED YOU CAN INSERT YOUR MATTRESS. YOUR BED CAN ACCEPT A STANDARD MATTRESS UP TO 12" THICK. PULL THE ELASTIC STRAPS OVER THE BOTTOM CORNERS OF THE MATTRESS.

MATTRESS MUST BE FASTENED INTO THE BED TRAY FOR BED TO OPERATE PROPERLY

ATTACH THE BAR FOOT

PLACE A LARGE WASHER ON THE END OF EACH SIDE. USING A SMALL WASHER WITH THE SILVER MACHINE BOLT AND THE BLACK T NUT, ATTACHED THE METAL BAR FOOT TO EACH SIDE.





OPENING YOUR BED

IN THE CENTER ARE TWO HANDLES-GRAB THE HANDLES, AND USE YOUR BODY WEIGHT TO OPEN THE BED WITH EASE LEANING AWAY FROM THE BED. WITH THE BED HALFWAY OPEN ROTATE THE METAL BAR FOOT SO IT WILL SUPPORT THE BED OFF THE FLOOR WHEN IT IS OPEN.

IMPORTANT: ALWAYS ROTATE THE METAL BAR FOOT BACK ON TOP OF THE MATTRESS BEFORE CLOSING.

NEVER FORCE A BED OPEN! STOP INVESTIGATE AND CORRECT THE OBSTRUCTION. ON RARE OCCASION BEDDING OR THE MATTRESS ITSELF CAN SLIP DOWN TO THE FLOOR BEHIND AND JAM THE BED FROM OPENING.

DO NOT FORCE THE BED, BUT REMOVE OBSTRUCTIONS OR RE-ADJUST BEFORE OPERATING. FORCING OPERATION CAN RESULT IN BREAKING THE TRAY STRUCTURE OR MECHANISM, LEADING TO POSSIBLE INJURY OR EXPENSIVE REPAIRS.

ADJUST AND BALANCE



IF YOUR BED DOESN'T FULLY SHUT:USE A WRENCH ON THE BOLT HEADS AT THE HEAD OF THE BED, TURNING BOTH SIDES COUNTER CLOCKWISE EVENLY TO EQUALIZE LIFT. THIS WILL INCREASE THE CLOSURE AND SLIGHTLY REDUCE THE LIFT.

IF YOUR BED WON'T STAY DOWN:THE MECHANISM REQUIRES THE WEIGHT OF THE MATTRESS TO STAY DOWN. IF THE MATTRESS IS IN PLACE, YOU MAY FURTHER REDUCE THE LIFT OF THE BED BY TURNING CLOCKWISE ON BOTH BOLT HEADS WITH YOUR WRENCH UNTIL THE BED SETTLES. IF THE BED STILL RISES, YOU MAY ADD WEIGHT TO THE FOOT OF THE BED BY ADDING WOOD OR PARTICLE BOARD UNDER THE MATTRESS DECK.

IF THE BED SEEMS HEAVY TO OPERATE:YOU MAY TURN THE ADJUSTING BOLTS COUNTER CLOCKWISE TO INCREASE THE LIFT.

NEVER BACK THE ADJUSTING BOLTS BEYOND THE "BED CLOSED" POSITION AS IT WILL LIKELY BREAK THE PISTONS OR CONNECTORS WHEN THE BED IS PUSHED CLOSED.

IF THE BED WILL NOT CLOSE ITSELF FULLY, OPEN AND ADJUST AS ABOVE.

DO NOT PUSH THE BED CLOSED

PERIODICALLY INSPECT YOUR WALLBED. USING A LADDER, INSPECT THE CABINET TOP TO ENSURE THE BED IS STILL SECURELY FASTENED INTO 3 STUDS. VERIFY THAT THE SAFETY CABLE IS INSTALLED AND OPERATIONAL. CHECK TO SEE THAT THE MATTRESS IS STILL SECURELY BUCKLED INSIDE THE MATTRESS TRAY. CHECK THAT ALL OF THE BOLTS ARE STILL TIGHT.

MOVING THE FULLY ASSEMBLED WALLBED IS NOT RECOMMENDED. WHEN YOU DO DECIDE TO MOVE YOUR WALLBED, SIMPLY FOLLOW THESE DIRECTIONS IN REVERSE.

NEVER DETACH YOUR BED FROM THE WALL UNLESS IT IS CLOSED AND LATCHED IN THE UPRIGHT POSITION.

NEVER TRY TO REMOVE THE PISTONS WHEN THE BED IS OPEN AS THEY CAN SHOOT TO FULL EXTENSION WITH GREAT FORCE WHICH CAN CAUSE SERIOUS INJURY. PISTONS CAN ONLY BE REMOVED WHEN THE BED HAS BEEN DISMOUNTED FROM THE WALL AND THE PISTONS ARE IN THEIR FULLY EXTENDED POSITION, WITH THE BED CLOSED. WITH THE BED OFF THE WALL AND LYING ON THE FLOOR IN THE CLOSED POSITION, BACK THE ADJUSTABLE BALLS TO RELIEVE THE PISTONS OF TENSION. INSERT A SLOTHED SCREWDRIVER UNDER THE SPRING BAND ON THE BACK OF THE PISTON HEADS AND TWIST THE SCREWDRIVER GENTLY TO RELIEVE THE CONNECTION. IF YOU PULL AWAY FROM THE BALL WHILE TWISTING, THE PISTON WILL COME OFF EASILY.