

## POWER AND MOTION

### Purpose

The purpose of this document is to provide instructions on:

- the installation of support legs (Fig. 1) on the sofa unit attached to the HappiJac Bedlift.
- the removal and installation of the HappiJac Bedlift support brackets (Fig. 2).

Fig. 1

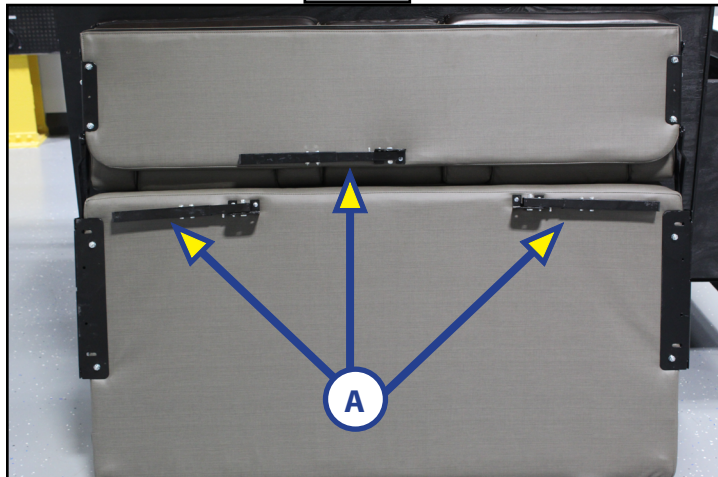
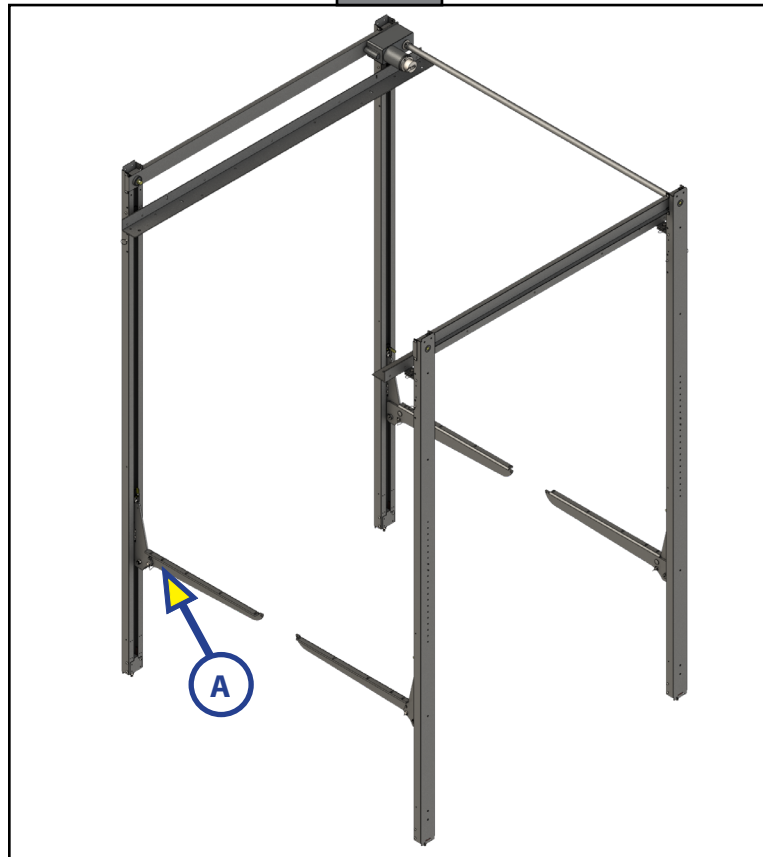


Fig. 2



### Resources Required

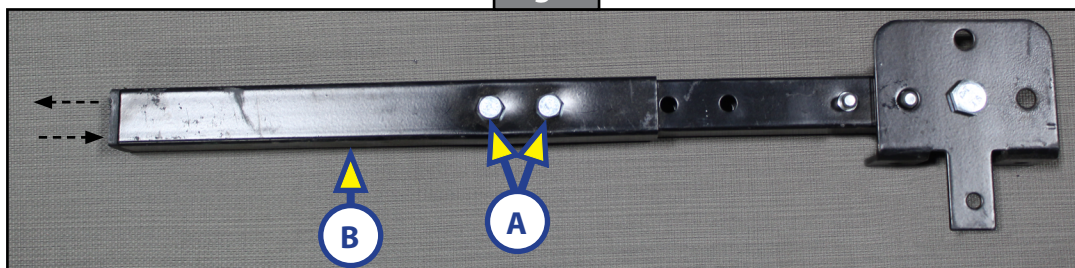
- Cordless or electric drill or screw gun
- Appropriate drive bit
- Non-permanent marking method
- Sharp cutting instrument
- 1 1/4" self-tapping screws

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### Support Leg Installation

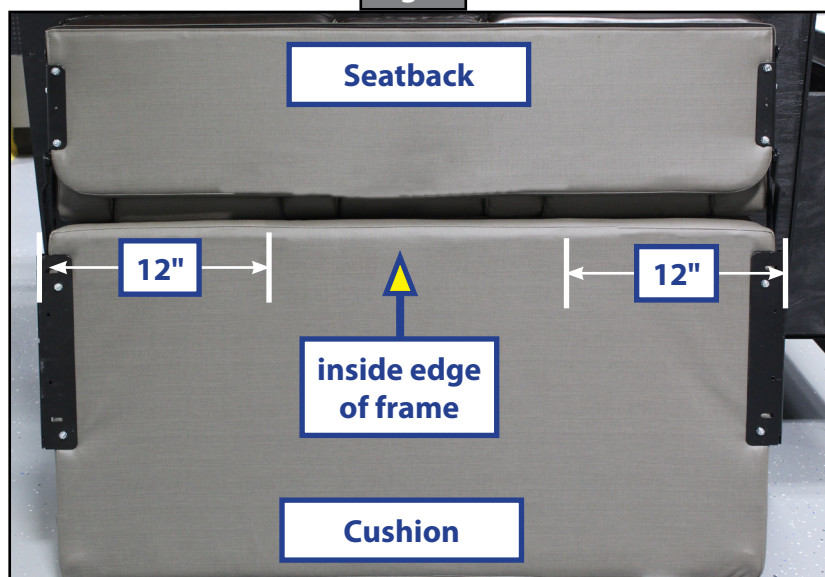
1. Remove the sofa unit from the HappiJac Bedlift and lay it flat face-down in a clean area.
2. The support legs can be adjusted, if needed. The 14-inch legs are normally installed on the seat cushion and the backrest uses the 15-inch. The legs can be adjusted by removing the two nuts and bolts (Fig. 3A) and sliding the bottom part of the leg (Fig. 3B) in or out. Replace nuts and bolts after adjustment.

Fig. 3



3. Measure about 12 inches from the outside edge of the cushion portion of the unit (Fig. 4). Feel for strapping under the fabric and make a small mark between two straps that is close to both the 12-inch measurement and to the inside edge of the steel frame. Repeat for the other side.

Fig. 4



4. Fold one of the cushion support legs flat by pressing the adjustment button (Fig. 5A) and moving the leg to one of the side holes (Fig. 5B) in the bracket.
5. Place the tab on the bracket end of the leg (Fig. 5C) on the measurement mark (step 3) with the leg pointing towards center.

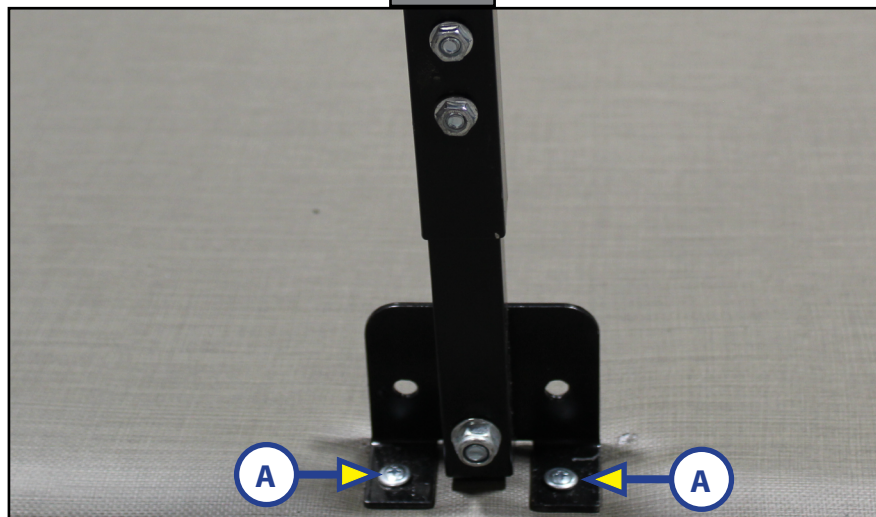
Fig. 5



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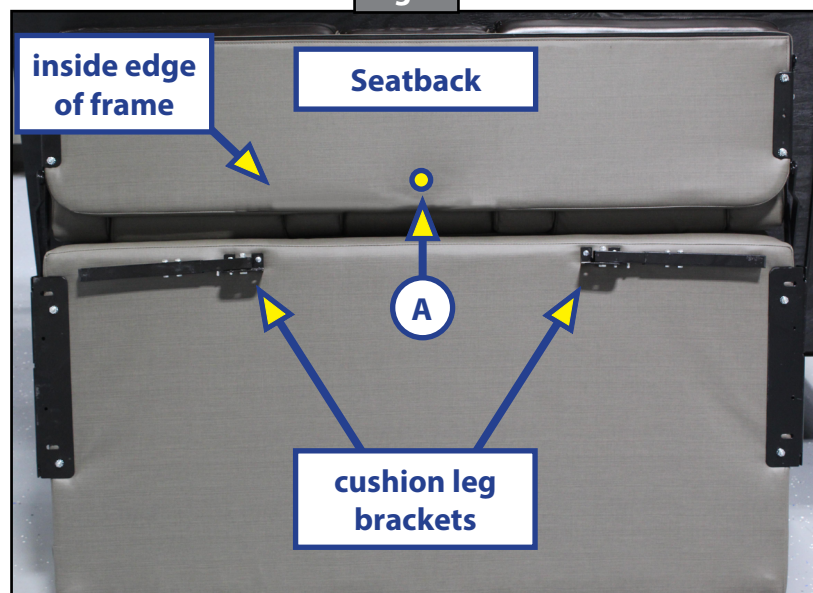
6. Repeat steps 4 and 5 on the other side and make sure the end of the legs do not overlap one over the other.
7. Keeping the brackets in the same position, press the adjustment button (Fig. 5A) and rotate one of the legs to make sure it does not stick out beyond the seat cushion hinge when in the stored position. Repeat for the other leg.
8. Make a small cut into the fabric, just beyond the inside edge the frame. The hole should be large enough to accommodate the bracket tab (Fig. 5C). Slide the tab into the cut slot so that support leg bracket is upright and the arms of the bracket (Fig. 6A) are resting on the seat frame.

Fig. 6



9. Secure the bracket to the frame with two 1 1/4" self-tapping screws.
10. Repeat steps 8 and 9 for the other cushion leg.
11. Find a centerpoint on the seatback between the two cushion leg brackets (Fig. 7A). Make a mark at that point that is between the straps under the fabric and is close to the inside edge of the frame.

Fig. 7





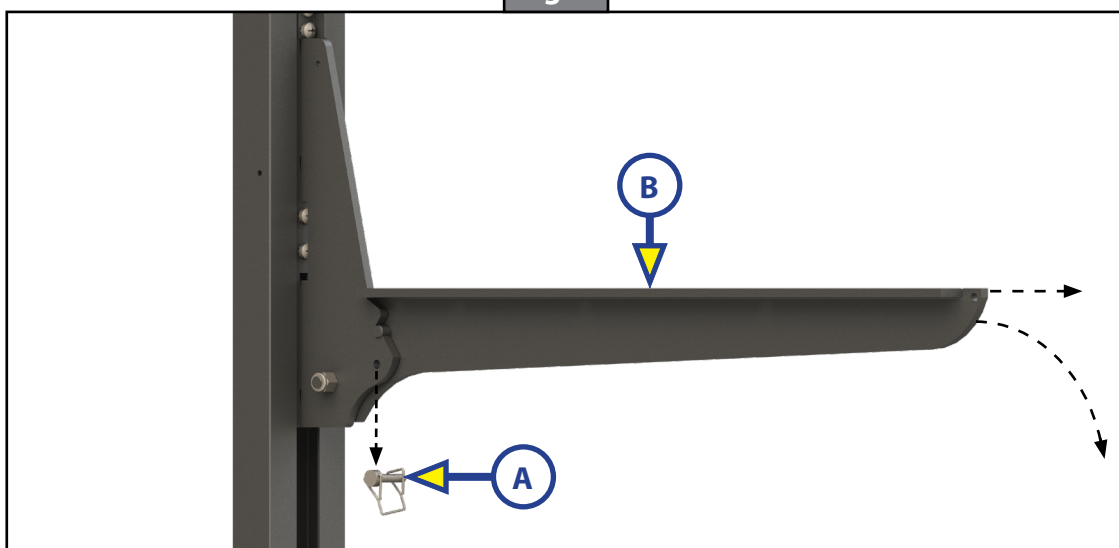
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12. Make a small cut into the fabric, just beyond the inside edge the frame. The hole should be large enough to accommodate the bracket tab. Slide the tab into the cut slot so that support leg bracket is upright and the arms of the bracket are resting on the seat frame.
13. Secure the bracket to the frame with two 1 1/4" self-tapping screws.
14. Fold all three legs down and reinstall the sofa on the HappiJac support brackets.
15. After the sofa is installed, lower the sofa until it is stopped by the microswitch. Make sure the legs gently rest on the floor. Adjust the legs, if necessary.

## Support Bracket Removal

1. Remove the sofa/dinette configuration or bed platform from the support brackets.
2. Remove the locking pin (Fig. 8A) from the bracket, then lower the bracket arm (Fig. 8B).

Fig. 8







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3. Remove the stop screw (Fig. 9A) from securing the support bracket, then remove the screw (Fig. 9B) securing the trolley stop lock bracket (Fig. 9C) and remove the bracket. Set screws aside for later use.
4. Grasp the base of the sofa bracket (Fig. 10A) and pull up until the hooks are even with travel trolley slots (Fig. 10B), then pull the sofa bracket away from the travel trolley.
5. Repeat for other brackets, if necessary.

Fig. 9

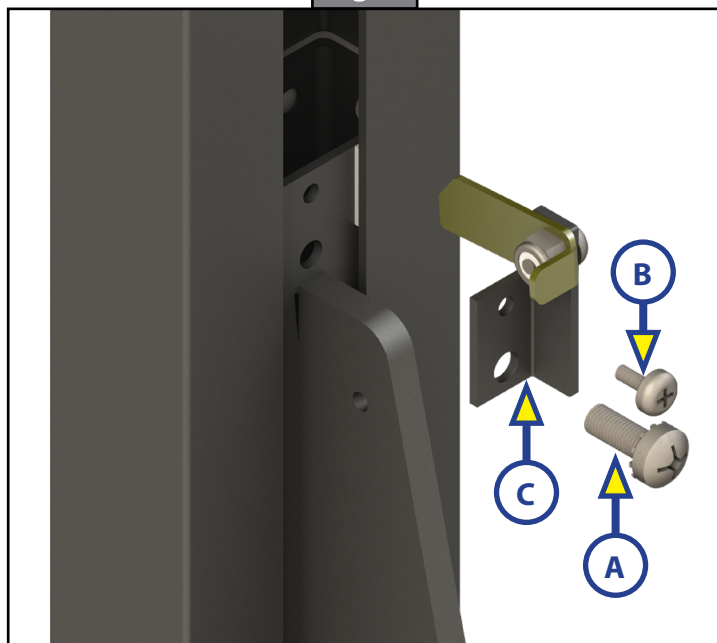
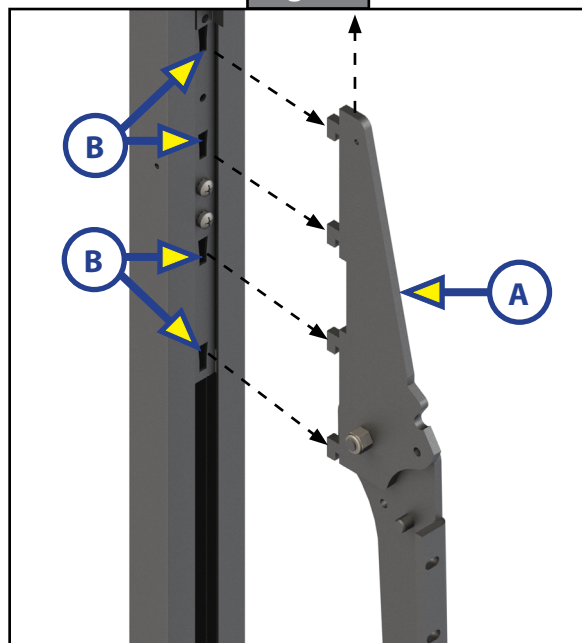


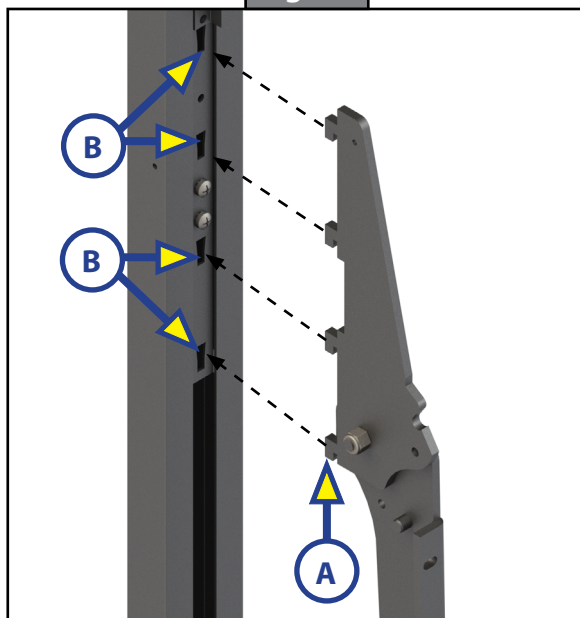
Fig. 10



## Support Bracket Installation

1. Line up the hooks (Fig. 11A) on the end edge of the support bracket with the slots in the lower trolley (Fig. 11B) then insert the bracket in to the trolley slots.

Fig. 11





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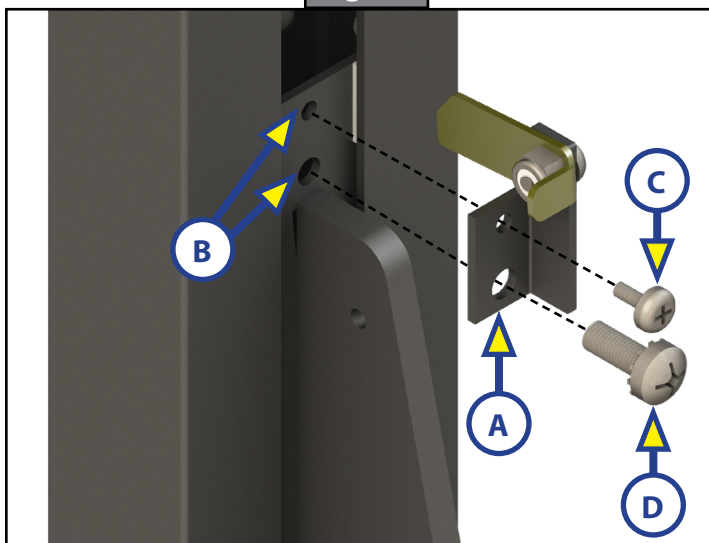
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2. Pull down on the bracket to secure it in the trolley.
3. Line up the holes in the trolley stop lock bracket (Fig. 12A) with the top two holes in the lower trolley (Fig. 12B). Secure the trolley stop lock bracket with the previously removed screw (Fig. 12C).
4. Secure the support bracket with the previously removed stop screw (Fig. 12D).
5. Repeat steps 2-4 for other support brackets, if necessary.

Fig. 12



As a supplier of components to the RV industry, safety, education and customer satisfaction are our primary concerns. Should you have any questions, please do not hesitate to contact us at (574) 537-8900 or by email at [customerservice@lci1.com](mailto:customerservice@lci1.com). Self-help tips, technical documents, product videos and a training class schedule are available at [lci1.com](http://lci1.com) or by downloading the MyLCI app.