



replacement parts industries, inc.

"The Alternate Source"

CALL 800-221-9723 or 818-882-8611 • FAX 818-882-7028
E-MAIL: techsupport@rpi.com • WEBSITE: www.rpiparts.com

OMK058 BUOYANCY SPRING KIT (LEFT) INSTALLATION INSTRUCTIONS

NOTE: All hardware on this equipment is METRIC. Sizes listed in brackets "[]" are Hex Key sizes.

LEFT SIDE UPRIGHT REMOVAL

(As viewed from the front of the OmniBed®)

See the Base Assembly of Figure 1 for the location of specific parts mentioned in Steps 1 and 2.

1. Lock the four casters.
2. Electrically raise or lower the canopy until the rail locking screws align with the horizontal oblong hole on the left and right uprights (actuate manually if the canopy cannot be electrically manipulated). Turn the rail locking screws [4mm] counterclockwise (unscrew) until they fully engage the oblong holes which will lock the rails in this position. Turn the unit off and disconnect the power cord.

See the Canopy Assembly of Figure 1 for the location of specific parts mentioned in Steps 3 thru 7.

3. Remove the 6 Arrow Clips (RPI Part #RPC902) securing the soffit, and remove.
4. Remove the heater housing cover (4 screws) [2.5mm].
5. Remove the left inside cover (2 screws and nuts) [2mm].
6. Remove the two flat head screws [3mm] that attach the central lift rail to the canopy bracket.
7. Disconnect the two electrical connectors to the heater housing and feed them out of the slot in the canopy bracket so they do not catch when the rail tension is released.

8. Remove the controller cover (6 screws [2.5mm] and 2 keyhole slots) - see Base Assembly of Figure 1.

See Figure 1 for the location of specific parts mentioned in Steps 9 thru 9.3.

9. Remove the left side upright top and bottom end caps by doing the following steps:
 - 9.1) Slide the decorative plastic strip up approximately 1/2" (decorative strip will disappear into the top upright end cap) exposing the bottom end cap mounting screw [2.5mm]. A piece of tape may aid in gripping the decorative strip. Remove the bottom end cap.
 - 9.2) Slide the decorative strip down exposing the top end cap mounting screw [2.5mm]. Remove the mounting screw and lift the upright end cap up past the heater exhaust door and remove the decorative plastic strip.
 - 9.3) Lift the spring loaded central lift rail end cap up (raise up and completely out of the lift rail), exposing the long central end cap spring. The top upright end cap (surrounding the central lift rail end cap) can now be removed by lifting up and out of the upright extrusion, then guiding the slot in the end cap over the long spring.

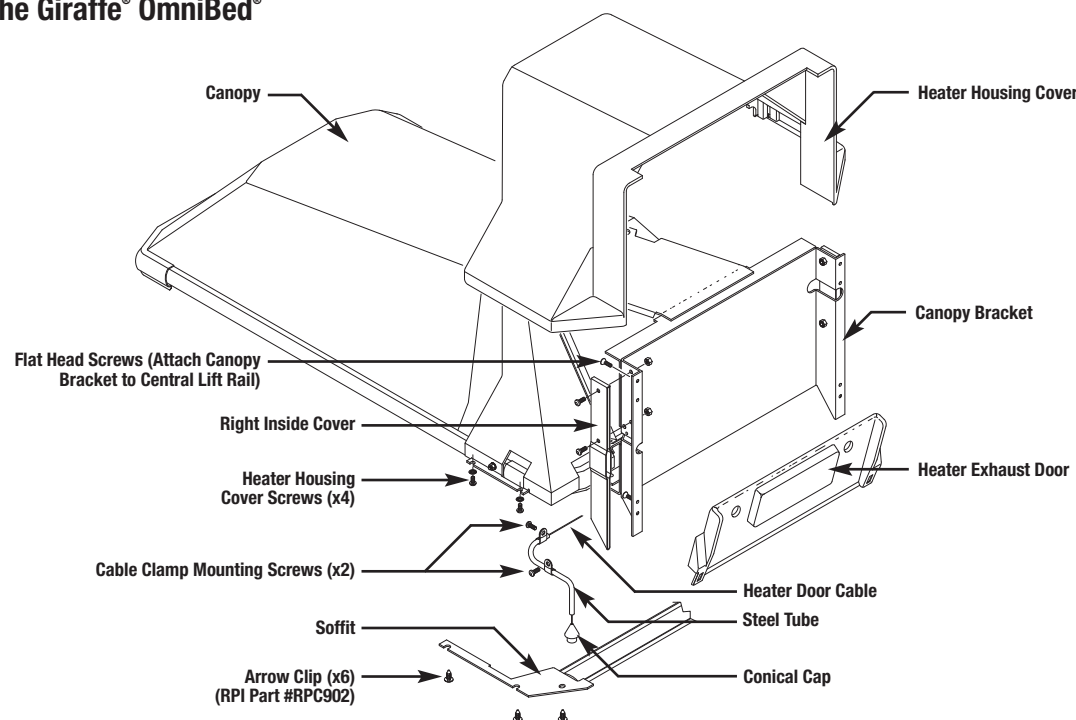
See the Infant Chamber Area of Figure 1 for the location of specific parts mentioned in Steps 10 thru 14.

10. Remove the display module rear cover (4 screws) [2mm].
 11. Remove 4 each 1/4" hex x 2-1/4" long standoffs securing the display module front bezel. Remove the control knob and remove the front bezel.
 12. Remove the left wire cover (remove 1 screw [2mm], lift ~1/2" and remove the cover).
 13. Remove the 2 mounting screws [3mm] attaching the display module to the left upright. Slide the nut bar up and out of the upright.
 14. Disconnect the ground wire from the left upright (ring terminal) [3mm].
- See the Base Assembly of Figure 1 for the location of specific parts mentioned in Step 15.
15. Holding on to the left upright, remove the 2 screws [4mm] (through the 2 large clearance holes in upright extrusion) attaching the left upright to the frame. Remove the entire upright assembly. Use caution to avoid damaging the wire harness.

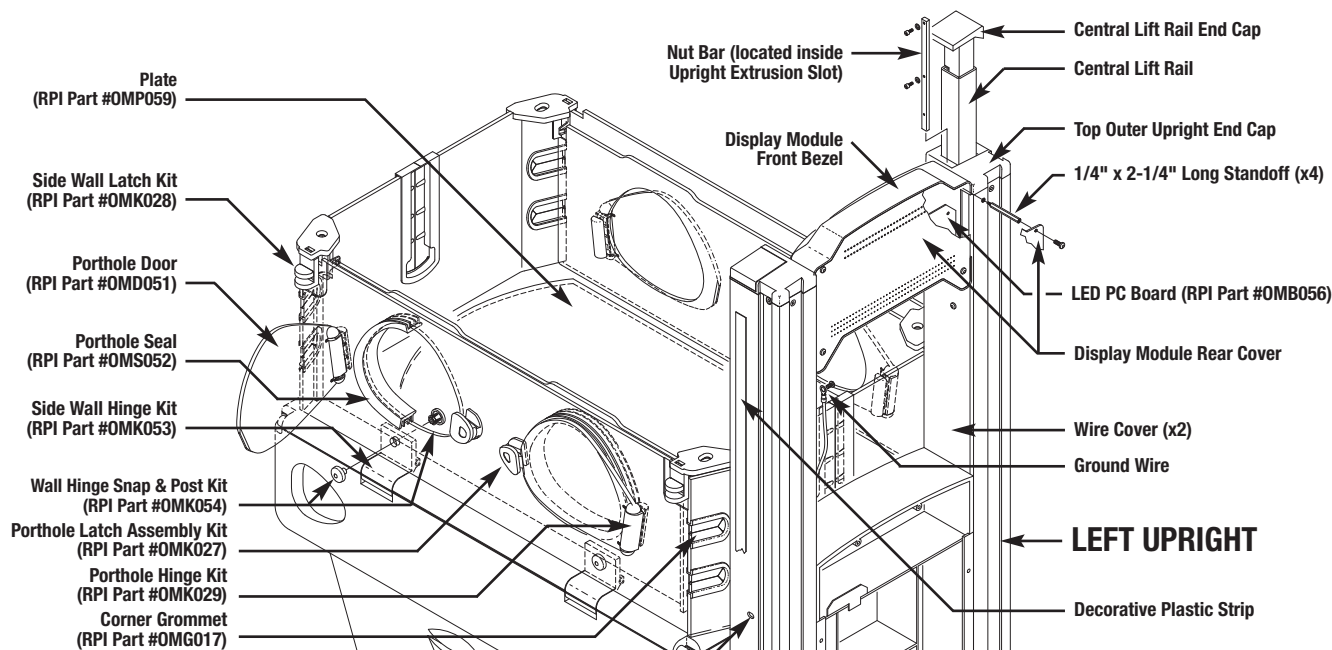
NOTE: There is enough slack in the wires to allow you to work on the upright on a nearby surface. If you need to or prefer to completely remove the upright from the unit, remove PC Board retaining bracket (1 nut & 1 washer). Pull the PC Board towards yourself until the wire harness connector can be disconnected from the PC Board, allowing the upright to be uncoupled from the unit for service at a remote location.

Figure 1 - Exploded View of the Giraffe® OmniBed®

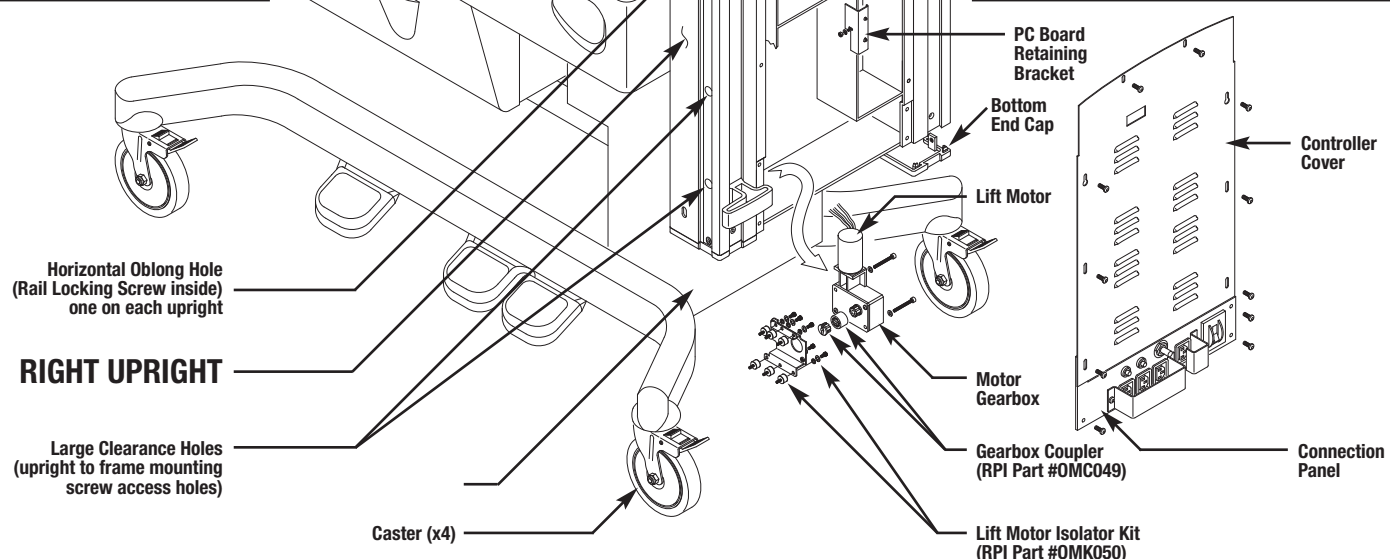
CANOPY ASSEMBLY



INFANT CHAMBER AREA



BASE ASSEMBLY



NOTE: All hardware on this equipment is METRIC. Sizes listed in brackets "[]" are Hex Key sizes.

LEFT UPRIGHT DISASSEMBLY

See Figure 2 for the location of specific parts mentioned in Steps 1 thru 5.

1. Disengage the rail locking screw [4mm] by turning the rail locking screw clockwise (tighten).
CAUTION: Be aware that the buoyancy springs will cause a slight spring action once the rail locking screw has been disengaged.
2. Remove the side roller bracket assembly [2.5mm].
3. Remove the 2 flat head mounting screws [2.5mm] attaching the cable carrier channel to the upright extrusion, one at the top of the upright and the other half way down.
4. Pull the central lift rail assembly up and out of the upright extrusion.
5. Remove the pinch guard.

See Figure 3 for the location of specific parts mentioned in Steps 6 thru 7.

6. Using a 4mm hex key, remove the screw that secures the buoyancy springs to the lift rail. The buoyancy springs will roll back around their spools (**Buoyancy Spring Kit (Left) (RPI Part #OMK058)**).
7. The spools slide out of their mounting slots. To reinstall the spools, assemble each of the spools by wedging them into the rail with the Delrin® washers at either side of each spool, then slide all the assembled spools into their mounting slots at the same time. **NOTE:** Be sure to sandwich the buoyancy spring spools between the Delrin® washers and slide back into the cable carrier channel. Lubricate the spools using Lubriplate® (RPI Part #RPL901) where the spool hub seats in the cable carrier channel slot.

LEFT UPRIGHT REASSEMBLY

See Figure 2 for the location of specific parts mentioned in Steps 1 thru 6

1. Reinstall the pinch guard. Be sure to orient the pinch guard with the holes in the keyhole slots towards the bottom of the rail.
2. Position the lift rail and the cable carrier channel so that the plastic spacer is past the metal stop block and the buoyancy springs have a slight tension. Slide the channel and lift rail together so that the last lift rail roller is just entering the upright. Align the screws with the holes. slide the assembly back into the upright. Using a 3mm hex key, reinstall the side roller bracket. To make sure it is properly seated in its tracks, move the rail assembly through its full range of travel to make sure it does not hang-up or bind before reattaching the upright to the unit.
3. Reassemble in the approximate reverse order of the left upright disassembly as described in steps 4 thru 6.

CAUTION: During reassembly care must be taken to ensure the mounting screws and/or hardware are not dropped down inside of the upright! Use a thick grease to couple the hardware to the hex wrench! Use a standard hex key (straight end, not a ball end) to best retain the hardware with grease until the screw is started into the mating hole.

4. Push the central lift rail down aligning the rail locking screw with the horizontal oblong hole and lock the rail by turning the screw counterclockwise (unscrew) until the head of the screw enters the horizontal oblong hole.
5. After completing the repair and reassembly of all the parts, be sure to unlock both the left and the right lift rails by turning the locking screws clockwise (tighten) and disengaging them from the horizontal oblong holes. Be sure to tighten these screws so that they cannot vibrate loose during operation.
6. Continue reassembly in reverse order of the **Left Upright Removal steps 1 through 15.**

Figure 2 - Exploded View of Left Side Spring Bracket

