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OMB030 - LIFT BELT
OMH032 - HOOD HARNESS
OMK057 - BUOYANCY SPRING KIT (RIGHT)
OMK060 - BELT BLOCK KIT
OMS039 - MICROSWITCH
INSTALLATION INSTRUCTIONS

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

RIGHT SIDE UPRIGHT REMOVAL (As viewed from the front of the OmniBed®)

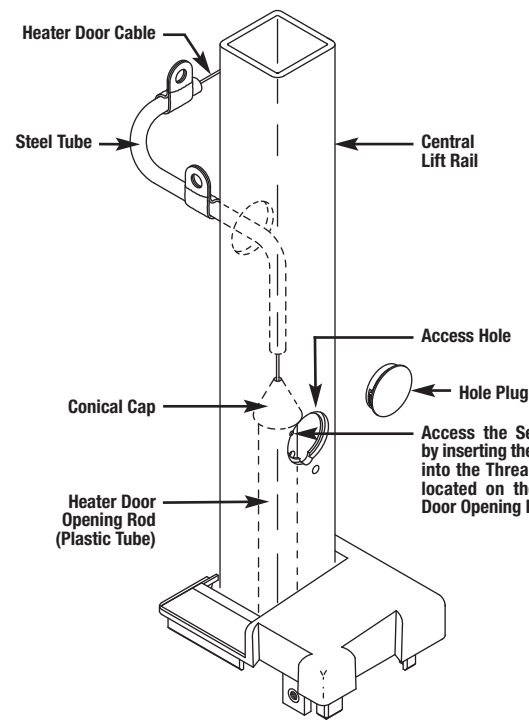
See the Base Assembly of Figure 1 for the location of specific parts mentioned in Steps 1 and 2.

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 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 8.

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 right inside cover (2 screws and nuts) [2mm].
6. Remove the front [3mm] and side [2.5mm] cable clamp mounting screws from the steel tube which guides the heater door cable (stainless steel flex cable). Leave the cable clamps attached to the tube.
7. Disconnect the heater door actuating cable by doing the following steps:
 - 7.1) Remove the hole plug from the access hole in the central lift rail.
 - 7.2) Through the access hole, rotate the internal plastic conical cap until the set screw threaded hole is accessible. **NOTE:** the set screw socket is located inside the threaded hole of the heater door opening rod.
 - 7.3) Unscrew the set screw [2mm] approximately 3 turns until the conical cap can be removed from the heater door opening rod (plastic tube) - DO NOT remove the set screw. Pull conical cap (attached to the heater door cable) out of the central lift rail.
8. Remove the two flat head screws [3mm] that attach the central lift rail to the canopy bracket.
9. 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 10 thru 10.3.
10. Remove the right side upright top and bottom end caps by doing the following steps:
 - 10.1) Slide the decorative plastic strip up approximately 1/2" (decorative strip will disappear into top upright end cap) exposing bottom end cap mounting screw [2.5mm]. A piece of tape may aid in gripping the decorative strip. Remove the bottom end cap.
 - 10.2) 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.
 - 10.3) 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.

Figure 2 - Detailed View of the Conical Cap Located Inside the Central Lift Rail



Through the access hole in the central lift rail, rotate the internal plastic conical cap until the set screw threaded hole is accessible. (Note: the set screw socket is located inside the threaded hole of the heater door opening rod). Unscrew the set screw [2mm] approximately 3 turns until conical cap can be removed from heater door opening rod (plastic tube) - DO NOT remove the set screw. Pull the conical cap (attached to the heater door cable) out of the central lift rail.

See the Infant Chamber Area of Figure 1 for the location of specific parts mentioned in Steps 11 thru 15.

11. Remove the display module rear cover (4 screws) [2mm].
12. Remove the 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.
13. Remove the right wire cover (remove 1 screw [2mm], lift ~1/2" and remove the cover).
14. Remove the 2 mounting screws [3mm] attaching the display module to the right upright. Slide the nut bar up and out of the upright.
15. Disconnect the ground wire from the right upright (ring terminal) [3mm].

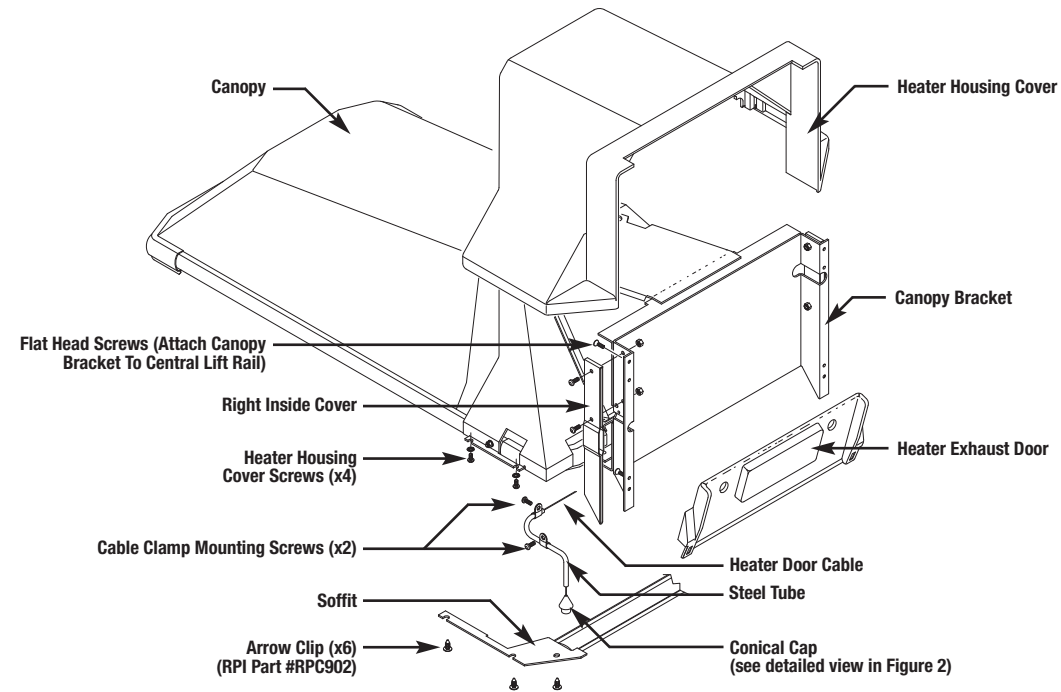
See the Base Assembly of Figure 1 for the location of specific parts mentioned in Steps 16 thru 18.

16. Ensure that power has been disconnected and remove the connection panel (4 screws) [2.5mm] to gain access to the motor gearbox mounting screws. Let the panel hang by it's connected wires.
17. Remove the 2 screws [3mm] attaching the motor gearbox to the right upright.
18. Holding on to the right upright, remove the 2 screws [4mm] (through the 2 large clearance holes in the upright extrusion) attaching the right upright to the frame. Remove the entire upright assembly. Use caution to avoid damaging the wire harness.

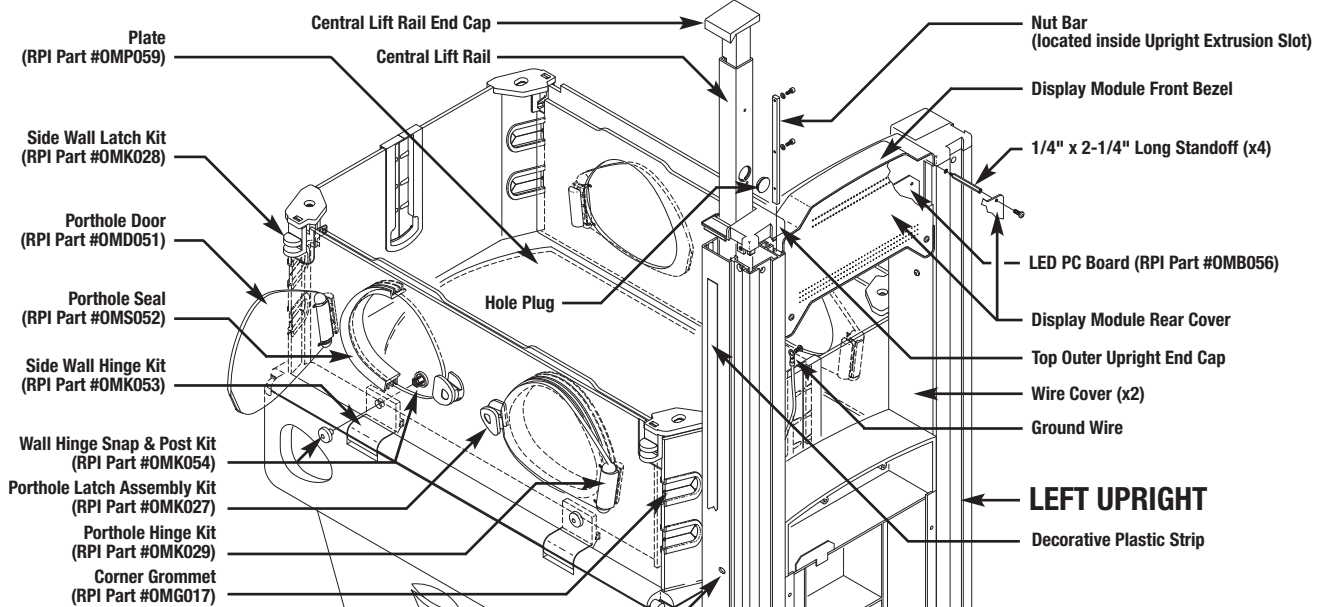
NOTE: There is enough slack in the wires to allow you to work on the upright on a nearby surface. If you need to or prefer to completely remove the upright from the unit, remove PC Board retaining bracket (1 nut & 1 washer). Pull the PC Board towards yourself until the wire harness connector can be disconnected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

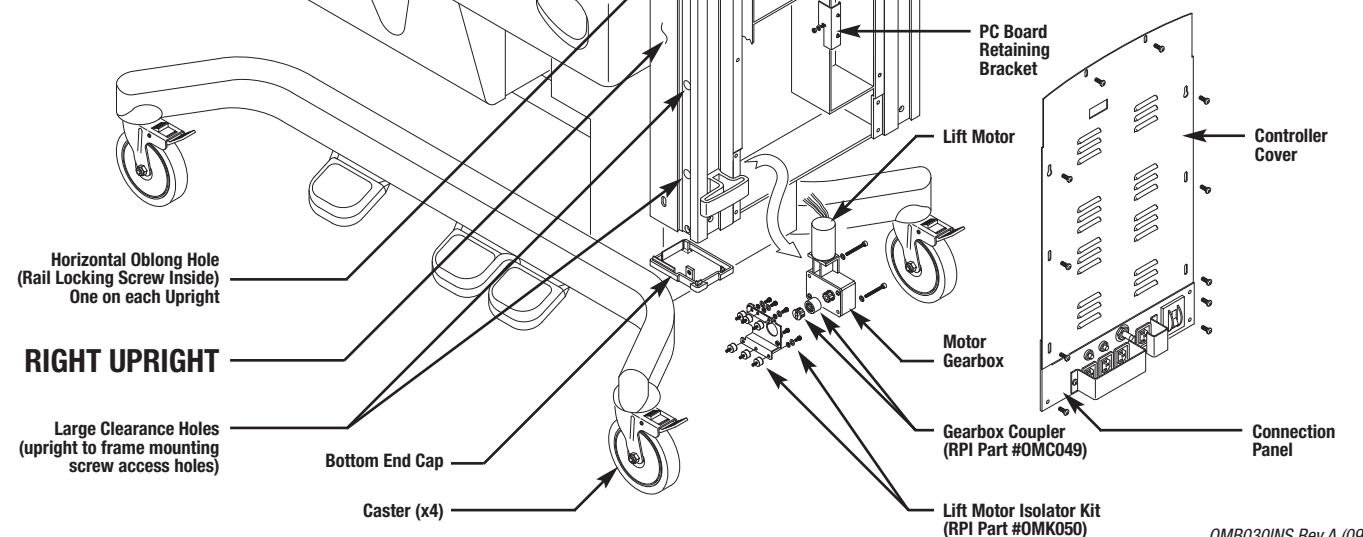
CANOPY ASSEMBLY



INFANT CHAMBER AREA



BASE ASSEMBLY



OMB030INS Rev A (09/15)

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

RIGHT UPRIGHT DISASSEMBLY

See Figure 3 for the location of specific parts mentioned in Steps 1 thru 6.

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 **Gearbox Coupler (RPI Part #OMC049)** (2 pieces).
4. Remove the 2 flat head mounting screws [2.5mm] attaching the belt channel to the upright extrusion, one at each end of the upright.
5. Pull the central lift rail assembly up and out of the upright extrusion.
6. Remove the pinch guard.

See Figure 4 for the location of specific parts mentioned in Steps 7 thru 10.

7. Remove the nut and washer securing the heater door opening rod to the bracket and remove the assembly. Inspect the rubber grommet and replace if necessary. Be sure to REUSE THE BRASS SPACER located in the I.D. of the grommet!
8. Position the plastic belt block so that the belt channel access hole is unobstructed and remove the screw [3mm] that attaches the lift rail to the belt channel.
9. Grab the plastic belt block, pull down until the rear hook releases from the roll pin. Lift the block over the pin. Remove the 2 Nylok® **Locknuts (RPI Part #RPH903)** securing the buoyancy springs to the plastic belt block.
10. The **Hood Harness (RPI Part #OMH032)** or **Microswitches (RPI Part #OMS039)** can now be replaced. Remove the mounting screws [phillips head] and replace the Harness or unsolder the faulty switch. Solder the new switch and cover the joint with heat shrink tubing (included) and reattach. Install new cable ties to retain the harness (if previously removed). If the belt is still in operable condition, skip the belt replacement and begin reassembly, if the belt needs replacement, continue to the belt replacement procedure.

BELT REPLACEMENT PROCEDURE

See Figure 4 for the location of specific parts mentioned in Steps 1 thru 9.

1. Remove the lower belt guard (2 screws [2mm]) and run the belt off the lower sprocket. If the upper belt guard is present, remove and discard.
2. Separate the top and bottom halves of the plastic belt block (4 screws [2mm]). Note the position of the long and short screws and the switch actuation leaf spring.
3. Remove the 2 screws [2mm] holding the brass belt blocks together.
4. The belt and belt tensioning spring can now be removed.
5. Assemble the new **Lift Belt (RPI Part #OMB030)** and the belt tensioning spring. Be sure that the belt is not twisted.
6. Replace the **Belt Block Kit (RPI Part #OMK060)**. Reassemble the brass blocks using **Threadlocker 242 (RPI Part #RPA032)**.
NOTE: One link of the belt must protrude beyond the brass belt block.
7. Reassemble the two halves of the plastic belt blocks ensuring the tensioning spring is properly located (as shown). Note the positions of the two long (at top) and the two short (at bottom) screws and ensure that the switch actuation leaf spring is installed on the left side of the plastic belt blocks as shown.
8. Run the belt back onto the sprockets.
9. Reinstall the lower belt guard.

RIGHT UPRIGHT REASSEMBLY

See Figure 4 for the location of specific parts mentioned in Steps 1 thru 3.

1. Move the plastic belt block up over and beyond the belt channel roll pin and reattach **Buoyancy Springs (RPI Part #OMK057)** using the two Nylok® nuts.
NOTE: Be sure to sandwich the buoyancy spring spools between the Delrin® washers and slide back into the belt channel. Lubricate the spools using **Lubriplate® (130AA) (RPI Part #RPL901)** where the spool hub seats in the belt channel slot.
2. Pull the plastic belt block down and hook onto the roll pin in the belt channel.
3. Reattach the lift rail to the belt channel (install the mounting screw thru the belt channel access hole into the plastic belt block assembly).

See Figure 3 for the location of specific parts mentioned in Steps 4 thru 10.

4. Insert the heater door opening rod into the central lift rail. Through the small hole underneath the access hole in the central lift rail, insert a 1.5mm hex key to locate and hold the heater door opening rod into position. Use a piece of tape to hold the hex key leg up against lift rail).

Figure 3 - Exploded View of the Right Upright and Central Lift Rail

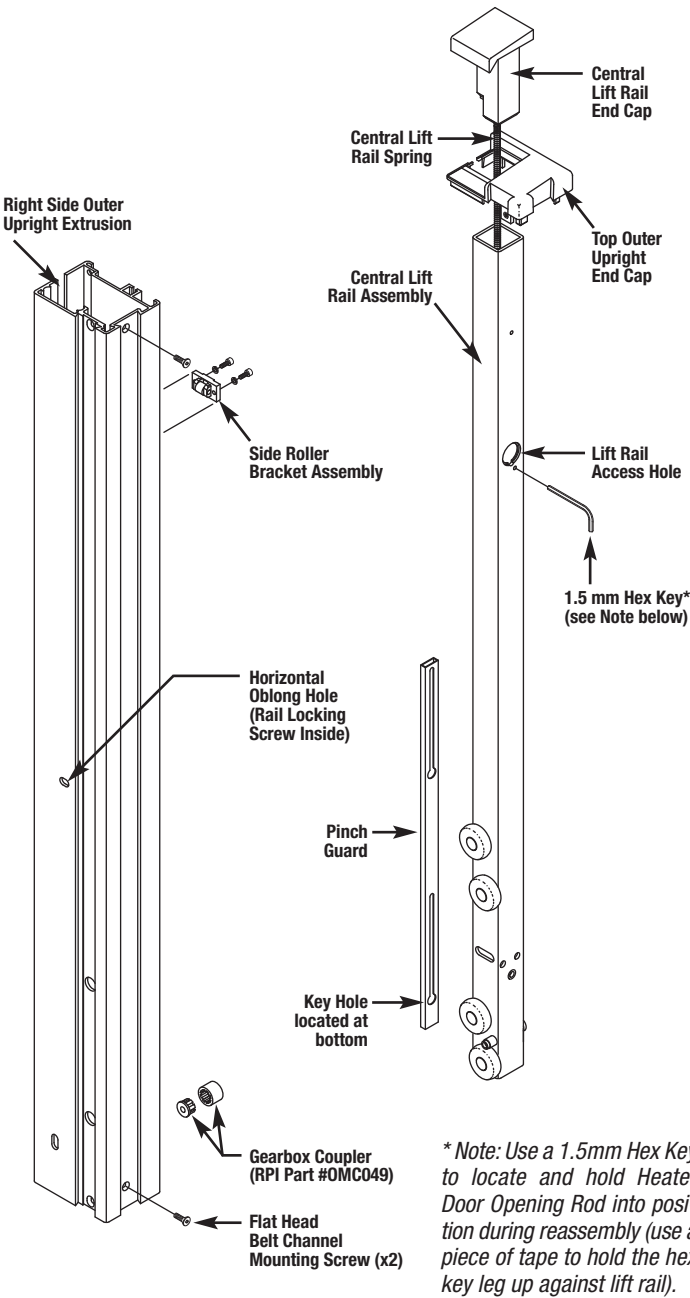


Figure 4 - Exploded View of Right Side Belt Channel

