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Warranty

Warranty Information for your Continuum Quilting Frame

The Continuum Quilting Frame has a One-Year limited warranty on all parts. The Grace Company will repair or replace, at its discretion, any part with problems due to our manufacturing or defects in materials. This warranty does not cover parts damaged through misuse, improper storage, improper assembly, loss, natural events, and willful destruction. Parts must be returned to the Grace Company, shipping prepaid, before we can repair or replace them. We will promptly return the repaired/replaced part at our expense if done within a year of the purchase date.
Continuum Frame Configurations

The Continuum Frame will come with parts to set it up as either an 8 foot or 10 foot frame depending on your purchase.

8 Foot Frame with Accessories
Can be assembled as 4 Foot

8 Foot Rail Assemblies

Take-Up Rail
Idler Rail (Optional Accessory)
Backing Rail
Quilt Top Rail
Batting Rail (Optional Accessory)

8 Foot Track Support Assembly
10 Foot Frame with Accessories
Can be assembled as 5 Foot

10 Foot Rail Assemblies

Take-up Rail
Idler Rail (Optional Accessory)
Backin Rail
Quilt Top Rail
Batting Rail (Optional Accessory)

10 Foot Track Support Assembly
Parts List Box 1  Continuum Frame

Left Leg (1)  
Right Leg (1)  
Middle Leg (1)  
Middle Leg Brace (2)  
Corner Brace (4)  
Hand Wheel Knob (1)  
Hand Wheel (1)  
Hand Wheel Collar Pre-installed (1)
Parts List Box 1 Continued

- Bungee Clamp (4)
- Track Support Connector (2)
- Non-Ratchet Back Rail Support (1)
- Ratchet Back Rail Support (1)
- Non-Ratchet Front Rail Support (1)
- Ratchet Front Rail Support (1)
Parts List Box 1 Continued
Continuum Frame

- Hand Wheel
- Shoulder Bolt (1)
- M10 x 115mm SBHCS (1)
- M8 x 60mm SBHCS (4)
- M8 x 55mm SBHCS (4)
- M8 x 16mm SBHCS (46)
- M6 x 6mm Set Screw (8)
- Flat Washer (8)
- 4mm T-Handle Allen Wrench (1)
- 3mm Allen Wrench (1)
- 5mm Allen Wrench (1)
- 6mm Allen Wrench (1)
- 17mm Open End Wrench (1)
- 10mm & 13mm Double Open End Wrench (1)
Parts List Box 2 (4 Foot) or Box 2 (5 Foot) Continuum Frame

- Table Section (2)
- Long Plastic Track (4)
- Leader Cloth Set (1)
- Short Plastic Track (4)

Parts List Box 3 (4 Foot) or Box 3 (5 Foot) Continuum Frame

- Ratchet Rail Section (3)
- Floating Rail Section (3)
- Rail Coupler (3)
Parts List Box 4 Continuum Frame

Carriage (1)

Carriage Channel Lock (1)

Sewing Machine Channel Lock with Spacer (1)

M6 x 20mm SBHCS (2)
Frame End Assembly

Step 1 - Table Height Setup

Parts Needed:

| Right Leg (1) | Left Leg (1) |

Tools Needed:
5mm Allen Wrench
10mm & 13mm Double Open End Wrench

1-1 Remove height screws and loosen centering screws.
Note: Right Leg Shown. Repeat for all legs.

1-2 Adjust table height by sliding legs up or down.

1-3 Replace each height screw and tighten each centering screw.
Note: Repeat for all legs.
Step 2 - Extension Arm Adjustment

Tools Needed:
4mm Allen Wrench

2-1 Loosen set screws.

2-2 Extend to the first slot for machines with throat less than 16”.
Extend to the second slot for machines with throat greater than 16”.
Frame End Assembly

Step 3 - Rail Support Installation

Parts Needed:

<table>
<thead>
<tr>
<th>Part Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ratchet Front Rail Support</td>
<td>1</td>
</tr>
<tr>
<td>Non-Ratchet Front Rail Support</td>
<td>1</td>
</tr>
<tr>
<td>Ratchet Back Rail Support</td>
<td>1</td>
</tr>
<tr>
<td>Non-Ratchet Back Rail Support</td>
<td>1</td>
</tr>
<tr>
<td>M8 x 60mm SBHCS</td>
<td>4</td>
</tr>
<tr>
<td>M8 x 55mm SBHCS</td>
<td>4</td>
</tr>
<tr>
<td>M8 x 16mm SBHCS</td>
<td>4</td>
</tr>
<tr>
<td>M8 Flat Washer</td>
<td>8</td>
</tr>
</tbody>
</table>

Tools Needed:

5mm Allen Wrench

3-1 Attach Non-ratchet Front Rail Support and Non-ratchet Back Rail Support to the Left Leg.

3-2 Attach Ratchet Front Rail Support and Ratchet Back Rail Support to the Right Leg.
**Step 4 - Table Setup**

### Tools Needed:
- 4mm T-Handle Allen Wrench
- 5mm Allen Wrench
- Short Plastic Track (4) (For Crib Assembly)

4-1 Remove the Track Supports for 8 foot and 10 foot configurations.

**Note:** Skip step 4 for crib assembly and use (4) Short Plastic Tracks.
4-2 Install Table Section to the Right Leg Assembly and the Middle Leg.

**Note:** Press table against Right Leg Assembly.

**Note:** Leave all bolts loose until step 6.

4-3 Install Table Section to the Left Leg Assembly and the Middle Leg.

**Note:** Press table against Left Leg Assembly.
Skip all Crib Assembly steps for King Setup Assemblies.

Step 4 - Table Setup - Crib Assembly

4-1a Install the Short Plastic Track into the Track Support Assembly.

4-2a Install Table Section to the Right Leg Assembly and the Left Leg Assembly.
**Table Sections and Rail Assembly**

**Step 5 - Corner Brace Installation**

Parts Needed:

| Corner Brace (4) | M8 x 16mm SBHCS (16) |

Tools Needed:

5mm Allen Wrench

**Step 6 - Middle Leg Brace Installation**

Parts Needed:

| Middle Leg Brace (2) | M8 x 16mm SBHCS (12) |

Tools Needed:

5mm Allen Wrench

5-1 Install each Corner Brace with (4) M8 x 16mm SBHCS.

Note: Repeat for all (4) corners.

6-1 Place (2) Middle Leg Brace into Position.

**Note:** Repeat for opposite side.

**Note:** Skip step 6 for Crib Assembly.
6-2 Install (12) M8 x 16mm SBHCS.  
**Note:** Tighten all bolts at this time.

### Step 7 - Ratchet Rail Assembly

**Parts Needed:**

- Ratchet Rail Section (3)
- Floating Rail Section (3)
- Rail Coupler (3)

**Tools Needed:**

- 4mm T-Handle
- Allen Wrench

7-1 Slide Rail Coupler into Floating Rail Section and secure Rail Coupler by backing screws out.  
**Note:** Skip steps 7-1 and 7-2 for crib assembly.
7-2 Slide Ratchet Rail Section onto Rail Coupler, tight against the Floating Rail Section, and secure rail by backing screws out.

**Step 8 - Hand Wheel Assembly**

**Parts Needed:**

<table>
<thead>
<tr>
<th>Hand Wheel (1)</th>
<th>Hand Wheel Knob (1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hand Wheel Shoulder Bolt (1)</td>
<td>Hand Wheel Collar Pre-installed (1)</td>
</tr>
</tbody>
</table>

**Tools Needed:**

6mm Allen Wrench

7-1a Remove Floating Rail Cap from the Floating Rail Section. Insert the Floating Rail Cap into the Ratchet Rail Section and tighten. **Note:** Tap screw in to release the rail cap.

8-1 Assemble Hand Wheel Knob onto the Hand Wheel.
8-2 Remove M10 x 80mm SBHCS. Save the large washer and small washer for the next step.

8-3 Install the Hand Wheel Assembly as shown.

9-1 Remove Rail Caps.

**Note:** Right side shown, repeat for left side.

### Step 9 - Rail Installation

**Parts Needed:**
- Rail Assembly (2)

**Tools Needed:**
- 3mm Allen Wrench
9-2 Install the Backing Rail and the Quilt Top Rail.  
**Note:** Do not install the Take-Up rail at this time.

9-3 Reinstall the Rail Caps.  
**Note:** Right side shown, repeat for left side.
Track Sections Assembly

Step 10 - Track Support Setup (8 foot and 10 foot)

Parts Needed:

- Track Support Extrusions (4)
- Long Plastic Track (4)
- Track Support Connector (2)
- M6 x 10mm Connector Bolt (16)
- M6 x 6mm Set Screw (8)

Tools Needed:

- 4mm T-Handle Allen Wrench

10-1 Assemble Track Support making sure there is no gap between the Track Support Extrusions. Install the Long Plastic Track into the Track Support Extrusions.

**Note:** Tighten one side of Track Support Extrusion to the Track Support Coupler, then insert the second Track Support Extrusion to Track Support Coupler and tighten.
10-3 Secure Track Support Assembly to the Table.

**Note:** Repeat for Back Track Support and tighten M6 x 10mm Connector Bolts with Track parallel to the back of the Table. Do not tighten M6 x 10mm connector bolts on Front Track Support until after carriage installation.

**Step 11 - Continuum Carriage Assembly**

**Parts Needed:**

- Carriage (1)
- Carriage Channel Lock (1)
- M6 x 20mm SBHCS (1)

**Tools Needed:**

- 4mm T-Handle
- Allen Wrench

11-1 Attach Carriage Channel Lock to Carriage.
11-2 Place Carriage onto the Plastic Track.  
**Note:** Make sure Channel Lock is open.

11-3 Align track by slowly moving the Carriage along Plastic Track, tightening each M6 x 10mm Connector Bolts on the front track starting at one side of the frame to the opposite side.
Carriage Installation

Step 12 - 14+ Sewing Machine Installation

Parts Needed:

| Sewing Machine Channel Lock with Spacer (1) | M6 x 20mm SBHCS (1) |

Tools Needed:

4mm T-Handle Allen Wrench

12-1 Remove right rear M6 x 16mm SBHCS.

12-2 Install Sewing Machine Channel Lock onto Sewing Machine.

12-3 Place Sewing Machine onto Carriage.

Note: Make sure Channel Lock is open.
Carriage Installation

Step 13 - 21” Sewing Machine Installation

Parts Needed:

- Sewing Machine Channel Lock with Spacer (1)
- M6 x 20mm SBHCS (1)

Tools Needed:

- 4mm T-Handle Allen Wrench

13-1 Remove right rear M6 x 16mm SBHCS.


13-3 Place Sewing Machine onto Carriage.

Note: Make sure Channel Lock is open.
Carriage Installation

Step 14 - Install Take Up Rail

Parts Needed:

| Take Up Rail Assembly (1) |

14-1 Install the Take-Up Rail Assembly.
**Fabric Installation**

**Step 15 - Leader Cloth Setup**

15-1 Pin the Leader Cloth to the appropriate sections of the Quilt.  
**Note:** This assembly step is universal for Crib, Queen, or King size frames.  
**Note:** Place quilt backing fabric with finished side down, and place quilt top fabric with finished side up.

**Step 16 - Fabric Installation**

**Rolling your Fabric**  
Make sure that the rail's ratchet system is engaged and ratchets as it rolls. This will ensure you roll the fabric in the correct direction.

16-1 Tape Backing Leader Cloth to the Backing Rail and roll fabric around the Backing Rail.
16-2 Route Batting as shown. 
**Note:** If your frame does not include the Batting Rail Accessory, let batting lay on floor under the frame.

16-3 Tape Top Leader Cloth to the Quilt Top Rail and roll fabric around the Quilt Top Rail.

**Fabric Roll off**

Take-Up Rail

Backing Rail

Quilt Top Rail

Batting Rail (Optional Accessory)
Fabric Installation

Step 17 - Bungee Clamp Installation

Parts Needed:

| Bungee Clamp (4) |

Step 18 - Care and Use

17-1 Attach Bungee Clamps to fabric making sure fabric is stretched evenly.

Note: Repeat for left side.

18-1 Adjust the Rail Support Assemblies by loosening the knobs and moving the assembly up or down as necessary to fit the batting in the throat of the machine.
Quilting Tips:
- Be Careful not to sew too close to the edge, to prevent hitting the Bungee Clamps, or running off the edge of the quilt. Also, if you are using side leaders, avoid accidentally stitching the leader to your quilt.
- If your quilt will fit onto your frame length-wise attach your quilt’s fabric to the rails along it’s length. You will have to roll the quilt less often, since your work surface will be as large as possible. Also, the quilt will not be as large under the arm of the machine when you get to the end.
- Make sure to turn off your sewing machine any time you leave your quilting room.

Rails:
- Keeping the fabric on the Take-Up Rail, just slightly above the bed of the sewing machine, yields the best results. If the fabric is too high off the bed, thread and needle breakage may occur. If it is pressing down on the bed of the machine it will be difficult to roll the sewing machine on the frame.
- When rolling the quilt, pull the batting a little to each side to make sure that it is not bunching. After rolling and tightening all the rails, check under the quilt to see that the back is smooth.

Stitch Regulating:
- If the machine only appears to be stitch regulating in one direction, make sure the encoder cords are plugged in tightly on both ends. Make sure the encoder O-rings are contacting the track and rolling when the machine is moving on the carriage.

Bungee Clamps:
- If it is necessary to use the bungee clamps over the batting on your quilt, turn the bungee clamps upside down so the rubber grip in the clamp is gripping against the bottom fabric instead of the batting. Having the rubber grip clamp against the batting is less effective than having it clamp against the fabric.

Fabric Issues:
- Do not over tighten the fabric on the quilting frame. Stretching the fabric will result in a quilt that does not lay flat when it is finished.

Frame Cleaning:
- Regularly clean the wheels and track of your carriage and frame. Lint from the batting will build up quickly causing the carriage not to roll as smoothly and eventually damage the track.
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