Step 1 - Fully release cable

Step 2 - Remove femoral and tibial shell pads

Step 3 - Remove dial fastener screw with 2 mm hex wrench
Step 4 - Remove dial fastener

Step 5 - Remove nylon washer

Note: Your braces may not come with a nylon washer

Step 6 - Pull out dial and gear and remove button and spring

Step 7 - Loosen cable retainer screws with 1.5 mm hex wrench
Step 8 - Remove dial and gear

Step 9 - Remove tendon back plate

Step 10 - Remove cable

Step 11 - Push cable through hole in outside of tibial shell as shown
Step 12 - Loop cable and push through holes in tibial shell as shown

Step 13 - Pull cable to remove loop as shown

Note: Take care not to kink cable

Step 14 - Push cable through hole in tibial shell as shown

Step 15 - Push cable through hole in tibial shell as shown
Step 16 - Push cable through holes in tibial shell as shown

Step 17 - If your braces have (2) two holes in tibial shell as shown, go to Step 20 on Page 6

Step 18 - If your braces have (1) one hole in tibial shell, push cable through hinge plate as shown

Step 19 - Pull ends of cable until both sides are of equal length, then slide on cable balls as shown. Skip from here to step 22 on page 6
Step 20 - If your braces have (2) two holes in the tibial shell, loop cable and push through hole in inside of tibial shell as shown.

Step 21 - Pull ends of cable until both sides are of equal length, then slide on cable balls as shown.

Step 22 - Remove old cable housings from tendon back plate as shown.

Step 23 - If your braces came without cable balls, remove the end cap attachments and end caps from the two lower legs of the tendon back plate.

Note: To remove end caps pull up on end cap attachments and then pull end caps off lower legs.

If your braces came with cable balls, skip to Step 26 on Page 7.
Step 24 - Cut one segment off each lower leg of the tendon back plate as shown.

Step 25 - Replace end caps and end cap attachments as shown.

Step 26 - Cut new cable housing to length as specified on page 13.

Step 27 - After cutting cable housings, open the ends with a ball point pen as shown. This will ensure the opening is round and not collapsed.
Step 28 - Push cable through tendon back plate as shown

Step 29 - Push cable through cable housing as shown

Hint: It helps to twist cable while pushing it through the end cap

Step 30 - Push cable and cable housing through tendon back plate as shown

Step 31 - Align cable end with hole in end cap as shown
Step 32 - While pressing on end cap push cable through end cap as shown

Hint: It helps to twist cable while pushing

Step 33 - Push cable housing through lower leg, and pull cable and housing back through tendon back plate as shown

Step 34 - Push other end of cable through tendon back plate as shown

Step 35 - Push cable through cable housing as shown
Step 36 - While pressing on end cap push cable through end cap as shown. Note: It's helpful to twist cable while pushing.

Step 37 - Push cable housing through lower leg, and pull cable and housing back through tendon back plate as shown. Hint: It's helpful to twist cable while pushing.

Step 38 - Push cable ends through holes in femoral shell as shown. Incorrect cable orientation.

Step 39 - Insert cable ends into cable retainers as shown. Correct cable orientation.
Step 40 - Tighten cable retainer screws with 1.5 mm hex wrench as shown.

Step 41 - Insert spring and button as shown.

Step 42 - While holding back button, pull on cables to bring dial and gear into place as shown.

Step 43 - Install nylon washer as shown.

Note: Your braces may not come with a nylon washer.

Cable retainer screw
1.5 mm Hex wrench
Dial and gear
Cable retailer screw
Button
Spring
Nylon washer
Step 44 - Install dial fastener as shown

Step 45 - Reposition elastic tendon, dial fastener washer and screw, and tighten with 2 mm hex wrench as shown

Step 46 - Install tibial and femoral shell pads

Step 47 - Turn dial and tighten cable, then loosen the cable and tighten it again. Do this a few times to make sure the brace is functioning properly.
Tip: If the cable end becomes damaged while installing it, use bicycle cable cutters to trim the cable end as shown.

- Bicycle steel cable cutters
- Damaged cable end

Or, use a utility or razor blade knife to trim the damaged cable end against a hard surface as shown.

- Hard surface
- Razor blade
- Utility knife
- Damaged cable end

<table>
<thead>
<tr>
<th>Size</th>
<th>Length of cable housing</th>
</tr>
</thead>
<tbody>
<tr>
<td>XX-Small</td>
<td>6 Inches (16 cm)</td>
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<tr>
<td>X-Small</td>
<td>7 Inches (18 cm)</td>
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<tr>
<td>Small</td>
<td>8 Inches (20 cm)</td>
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<tr>
<td>Medium</td>
<td>9 Inches (23 cm)</td>
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<tr>
<td>Large</td>
<td>10 Inches (26 cm)</td>
</tr>
<tr>
<td>X-Large</td>
<td>11 Inches (28 cm)</td>
</tr>
<tr>
<td>XX-Large</td>
<td>12 Inches (31 cm)</td>
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