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Fabrication **Instructions**

755

Motion Control Limiter

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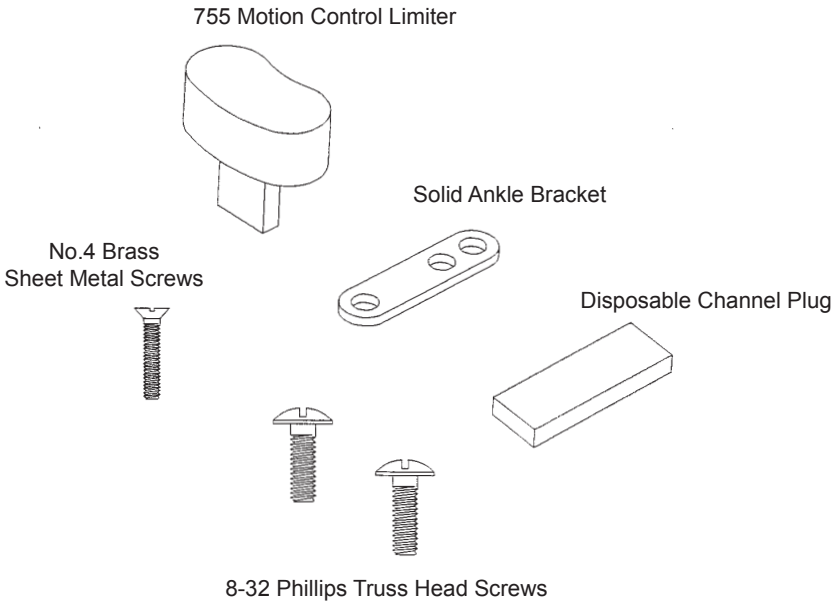
THE 755 MOTION CONTROL LIMITER KIT

- 755 Motion Control Limiter
- Disposable Channel Plug
- Solid Ankle Bracket
- 8-32 Phillips Truss Head Screws
- No.4 Brass Sheet Metal Screw



755 Motion Control Limiter Kit

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Fabrication Instructions

1. Cut a rectangular backing block from the plastic sheet that will overlap the *DISPOSABLE CHANNEL PLUG* by at least 3/16" on all sides. Trim the string on the DISPOSABLE PLUG to slightly longer than the backing block width. For a lower profile pediatric limiter, both the length of the limiter stem and the *DISPOSABLE CHANNEL PLUG* should be trimmed.

2. Place the backing block into the oven with the plastic sheet.

3. Draw a line on the positive model through the mechanical joint axis across the Achilles Tendon.

4. Transfer the hot backing block to the positive model. The backing block should be oriented perpendicular to the mechanical joint axis with the center of the backing block at the desired trim line.

5. Press the *DISPOSABLE CHANNEL PLUG* lightly into the backing block. Verify that the vacuum string remains aligned with the trim line.

6. Drape thermoform the AFO.

7. After the plastic has cooled, trim through the center of the backing block and finish trim the AFO.

8. Drill a 1/16" pilot hole into the top of the distal half of the *DISPOSABLE CHANNEL PLUG.* Thread the *BRASS SHEET METAL SCREW* into the hole and remove the PLUG.

9. Insert the *755 MOTION CONTROL LIMITER* into the cavity. Grind the 755-MCL head to adjust the plantar flexion stop position.

10. Grind around the 755-MCL head to match the AFO contours. Verify that the proximal plastic edge squarely impacts the limiter head.

For transforming back to a solid ankle AFO:

1. Drill a 1/16" pilot hole into the top of the distal half of the *DISPOSABLE CHANNEL PLUG.* Thread the *BRASS SHEET METAL SCREW* into the hole and remove the plug.

2. Insert the *SOLID ANKLE BRACKET* into the channel. Grind the bracket as required for fixing the ankle at the desired position.

3. Drill a No. 29 pilot hole through the *AFO* at the *Solid Ankle Bracket* hole positions. Run an 8-32 tap through the pilot hole.

4. Insert the 8-32 *PHILLIPS TRUSS HEAD SCREWS* through the proximal and distal channels and the *SOLID ANKLE BRACKET.*

Verify that the screw does not extend through the AFO into the Achilles Tendon.

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