Installation of Finger Assemblies

Preparation. Switch Grip™ Finger Assemblies require a 1 1/8” drill with auto stopper drill to required depth. Drills purchased direct from Turbo are pre-set to correct drill depth. A slow setting gel-type adhesive and a rough abrasive sanding disk to sand the Inner and Outer Assembly components should be readily available.

Installation Guide

Cutting Span. Calculate the wall thickness of grip while inserted into Inner component and subtract measurement from total span.

Installation of Inner Component. Twist and lock the Removable Inner component into place and cut down to surface of ball. Excess material should be trimmed or deburred. Place arrow on the edge of each Outer component. Marks or arrows should be placed in a parallel direction along the centerline of the span. Place arrow at 6 o'clock position on Left Finger and 12 o'clock position for Right Finger. This will allow for either removable assembly of the same size to be used on either hand as long as the insert styles are on-stripe and lateral pitches are the same and forward and reverse pitches are also recommended for demi purposes.

Switch Grip™ is used by many of the industry’s leading ball brands for their popular on-lane demo programs. It’s by far the easiest to install, easiest to use and most affordable. Try Before You Buy creates a new level of consumer interest and excitement in bowling products.

For specific consumer use, indicator marks should be aligned at 6 o'clock for both fingers so that bowler is unable to interchange incorrectly.

Cutting Span. If inserted properly, the Outer assembly will stick up on top surface of ball. Use a sharp knife to cut flush with the surface. Each assembly should be cut separately to prevent damage of adjacent component. Note: “The sharper the plug cutter, the better the final product.” Trim or deburr plug cutter to cut flush with surface of ball. Depending on type of insert used, insert may need to be trimmed for proper fit. Pull insert back from wall of inner component and apply a small drop of adhesive to any exposed edges at bottom of insert. Allow 5 minutes for adhesive to bond. Insert Finger Assemblies can also be purchased with Try Before You Buy indicator marks.

Installation of Finger Inserts. Be-Install Removable inner component into Inner component. Note: Grip insert into Inner component so that it is flush with surface of ball. Expanding on type of insert used, insert may need to be trimmed for fit. Repeat step for other finger. CAUTIONARY NOTE: Use of excess adhesive can bond the inner and outer components together. Use adhesive cautions and sparingly.

Switch Grip Starter Kit

• 1 1/8” drill; straight shanks with auto depth stopper (Piper and Gimbo bits also available)
• 30 Outer Sleeves
• 10 Inner Sleeves with urethane solid, gold
• 10 S & R wrist bands (also available)
• Sil Zip adhesive
• Twist and Lock Fast
• Switch A Roo universal locking tool
• Switch Grip™ Storage Case
• Switch Grip™ Banner: 24” x 18”

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Once aligned properly, press Outer assembly into hole until it hits bottom. Excess force should not be used. Assembly should have modded press fit. Any forced pressure may distort assembly and cause inner assembly not to fit properly.
SwitchGrip® Interchangeable Thumb Insert allows bowlers to have the same fit and feel in every bowling ball they own.

Since its worldwide debut in 2004, SwitchGrip® has had several revisions, each one enhancing and improving the performance in the marketplace.

Installing New Thumb Assemblies

Pre Installation Tip

• Reduce the speed of your tip by 400 to 600 rpm. This slower speed will allow better cutting and drill performance. Always stop completely before starting or stopping the drill to avoid scratching or scoring the cover material. Corey insert height variations from ball to ball and/or bend drill which will void any warranty or drill replacement.

• If Inner Sleeve is tight, two options can be considered; 1 - lightly sand inside of the channel and delay dry process. Acetone will melt sleeve material and cause excess glue to stick to the outer sleeve, potentially damaging locking mechanism.

• Remove any glue residue from outside of thumb insert by gently sanding or test fit blank Inner Sleeve.

Recommendations for Improving Insert Fit

1. After you have measured drill specifications, start by drilling a pilot hole of 11/16” or 1 3/8” in inches deep. SwitchGrip® requires the use of the 1 3/8” hole for the installation of the Outer Sleeve. The pilot hole is drilled slightly larger than the desired finished drill hole, ensuring a proper fit in the inner sleeve.

2. Drill Inner Sleeve just into pilot hole (pre-installed Urethane Solid) to desired thumb size and drill to a depth measurement of 2 1/2” or less. Drill at slow, steady pace paying mindful attention to drill depth and gauge. Drill tip will cut into lock assembly causing damage to the perimeter of hole being sure that the Indicator Mark is set at 6 o’clock position. This will help identify the area of tightness.

3. With the Blank Inner Sleeve removed from the ball, apply 1/8” bead of Slo Zip adhesive along the inside perimeter of Sleeve. Leave in this position for 1-2 minutes or until adhesive is completely dry. This will prevent excess adhesive from creeping to the round opening at bottom of Outer Sleeve, potentially damaging locking mechanism.

4. Align the mark on thumb insert with the mark on Blank Inner Sleeve you created, turn upside down and press insert into Sleeve. Tapping can cause locking mechanism to pinch or bind Inner Sleeve not allowing it to move freely. Reopen video instructions for recommended method.

5. If installed properly, a 1/2” of Outer Sleeve will remain above ball surface. Cut through Outer Sleeve with a shop blade or knife. Prior to making the cut, lock Inner Sleeve to ensure it is still from spinning from tapping or feeding during the drill process. Sharpening the outer edge will allow you to cut with less wear. Drill Inner sleeve (pre-installed Urethane Solid) to desired thumb size and drill to a depth measurement of 1 1/2” or less. Drill at slow, steady pace paying mindful attention to drill height and gauge. Drill tip will cut into lock assembly causing damage to the perimeter of hole being sure that the Indicator Mark is set at 6 o’clock position. This will help identify the area of tightness.

6. Once locked into position, the Inner Sleeve will be sticking up about 1/4” from ball surface. Like the Outer Sleeve, cut excess material flush to ball surface using a plug cutter or router. If router is used, start with a center cutter and slowly add a flush trimmer. Cut small easy cuts and stop to check fit. Drill should be able to be slipped and performed since the Inner Sleeve has been drilled to the proper thumb size. (See shop preference.)

7. Pitches: Pitch measurement is drilled with insertion of Outer Sleeve. However, allowable changes in pitch and/or size can be made in Inner Sleeve depending on the size of the thumbholes. (See Technical Specifications for details.)

Video Installation Guide available on YouTube.com (search Turbo Switch Grip Install Video) or in the video section of our web site at www.turbosgli.com.

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