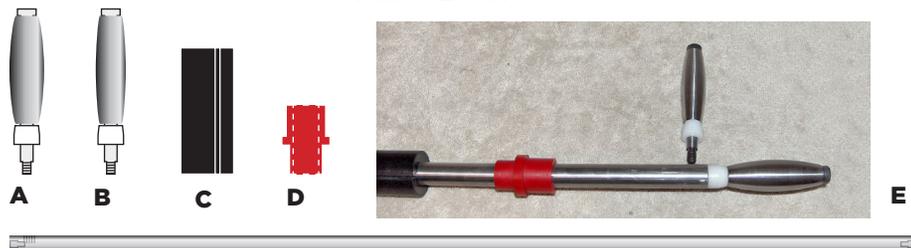




Sidewinder System

Item # 257014



Thank you for purchasing the Sidewinder System! You will find this to be a fine tool and a great investment.

Purpose:

The Sidewinder is a “new and improved” tool and method for saxophone body repair. When used properly, the tool will aid in dent removal, tone hole repair, body straightening and re-rounding. The sidewinder will give results that are superior to common methods of “raking” and “rebounding”. The Sidewinder does not distort the instrument’s bore as those methods may.

Description:

Your Sidewinder System includes:

- A. 1” Sidewinder roller.
- B. 7/8” Sidewinder roller. Each Sidewinder has roller bearings in the barrel that allow smooth rotation and friction-free side-to-side movement to roll out dents from the inside with a gentle, easy to medium pressure.
- C. Split vise block. This hard plastic block allows accurate north to south location of the Sidewinder, and allows you to reduce the working length of the mandrel down to 6 inches. Using the block also preserves the mandrel from vise marks.
- D. 2-sided receiver block. This fits both alto and tenor saxophones at the neck receiver. It keeps the mandrel from coming into contact with the body interior and supports the mandrel during rolling.
- E. Stainless steel threaded mandrel. Sidewinder rollers are threaded into this hard rod which provides excellent support due to low flex. The mandrel keeps the Sidewinder on the centerline when rolling and pushing, and helps all of your effort return results.

Preparation:

1. It is usually necessary to unsolder the body octave vent. Likewise, it is recommended that you unsolder braces and posts when you have severe dents under them.
2. Ensure that the bore of the body is thoroughly cleaned and removed of

calcium deposits and the like. As in any other dent work, this will affect the quality of your job and your ability to control the tool.

3. Use only a very solid vise mounted to either a vise stand or a very solid workbench. This will ensure that you are not feeling anything other than what the tool is doing with the body, and will help you work more efficiently.

Body Dent Work:

1. Determine which side of the receiver block best fits the neck receiver of the body, and slide this onto the rod facing the roller end.
2. Select the appropriate radius roller.
3. Determine how much of the Sidewinder needs to extend from the clamp block. Place the body side by side to the rod and adjust this length.
4. Clamp the rod in place, using the split vise block. This will make using the tool very secure. When moving the roller to each different area that you lift, you must reset the stop.
5. When working at the top of the sax body, use the end plug as a fulcrum to pivot from to de-dent and straighten the body.
6. Slowly roll the body side to side over the roller while applying pressure to lift the abused area. Use very gentle pressure because the tool has a lot of power. Don’t be tempted to move the body north and south on the mandrel without resetting the stop.

Tone Hole Work:

1. Select the the radius that best fits the situation.
2. Position the sidewinder under the tone hole as in dent removal.
3. Set the stop in the proper position. Place the end of the roller under the area of the tone hole to bring up the low area to be raised.
4. On the east and west walls, use the center of the ball. Under the north and south walls, use the area of the sidewinder between the center and the edge.
5. Using a side-to-side rolling motion, press to lift. As always, start with light pressure and apply greater pressure only as needed to lift the area.

Enjoy!



100% Lifetime Guarantee!

J.L. Smith brand tools are guaranteed for life against breakage or defects. Just return any defective tool to us and we'll repair or replace it free of charge.

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