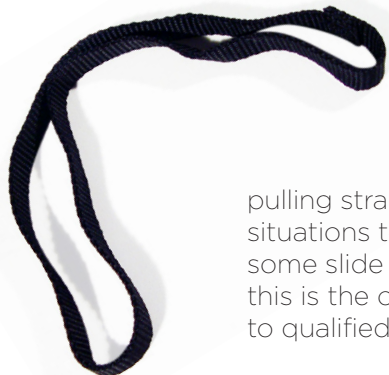


Slide Pulling Kit Strap

Item # 907012



Slide Pulling

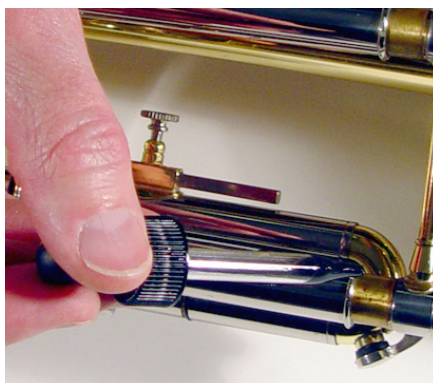
Stuck slides on brass instruments are the result of infrequent cleaning and lubrication and sometimes, improper lubricants. Our

pulling strap is designed to work in many situations to free stuck slides. You may find some slide that our strap cannot free. When this is the case, these jobs should be referred to qualified technicians.

Penetrating oil

Though you may be able to pull many slides without the help of penetrating oil (Item No. 700107), I recommend that you take advantage of its properties. It is helpful to warm up the area of tubing that is stuck together. This can be done with a hot air gun (a blow dryer can work). Concentrate the heat at the area of the tube that you want to draw the oil to. Put a drop of the oil where the inner and outer tubes meet. If you can, also provide a drop from the inside (through a valve port for example).

The heat will draw the oil in, helping to loosen deposits and supplying some lubrication to facilitate when pulling free. You may need to repeat this if a slide does not pull easily with the strap. Wipe the excess oil off of the instrument. It can be helpful and sometimes necessary to let the instrument sit for a time, allowing the penetrating oil time to work in.



Using the Strap

Wind the strap through the crook and then through itself as shown. This simple way of holding the slide will keep it from falling to the floor when it pops loose. Next, wrap the other end of the strap around the handle of the Shank Dent Tool (Item No. 700051). Tap on the Shank Dent Tool to provide some force on the strap.

Watch carefully to see if one tube breaks loose before the other. It is important to stop pulling if the crook is becoming distorted because one end is moving too far beyond the other.



Reassembly

Before reassembling the instrument, clean the slide (both inner and outer). There are a number of ways to do this, but at minimum brush all of the tubing with a good stiff nylon slide tube brush (available through J.L. Smith & Co). Lubricate the inner slide tube with the Valentino Slide Grease (Item No. 700107), and then work the slide in, ensuring that the entire slide has an even coat of grease. Wipe up excess grease.

