Aural and Visual Identification of Common Saxophone Repairs

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Terms:

- Pad leak: individual pad not covering the tone hole
 - Damaged/worn pad
 - o Bent key
 - o Damaged tone hole
- Regulation (aka Timing) leak: Two or more keys not closing at the same time
 - o e.g. F key not closing F# and Bis Bb keys simultaneously
 - o e.g. Low Bb and low B keys not closing at the same time when playing low Bb
- Over-regulation: secondary key hitting the tone hole prior to the primary key
- Under-regulation: secondary key hitting the tone hole after the primary key

Preventative Maintenance:

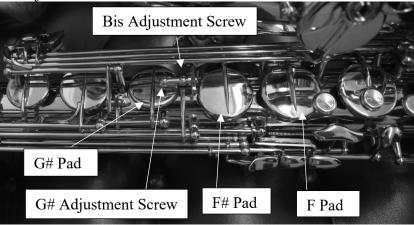
- Daily swabbing of body, neck, and mouthpiece with a microfiber (ideal) or silk (less ideal) swab. Stick style swabs are not adequate. Avoid cheap felt-like swabs.
- Oil keys and rollers 2-3 times per year (no disassembly required)
- Occasionally wipe down instrument with soft cloth (microfiber is ideal)
- Visit a trusted technician once a year
- Get a full clean/oil/adjust every five years (on pro saxophones)

Emergency Repairs:

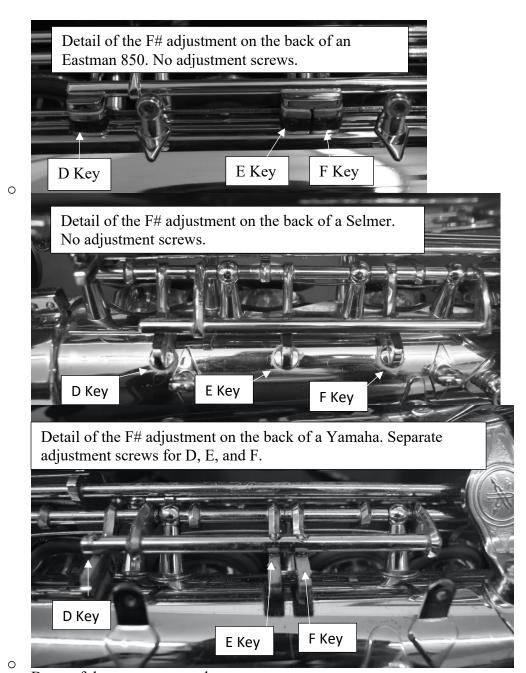
- Neck cork repair or replace (with tape)
 - o Repair- best done with Teflon tape
 - o Replace- can be done with masking tape in an emergency
- Replacing a key cork
 - Synthetic cork (aka tech cork)
 - Super Glue Gel
- Bent octave key



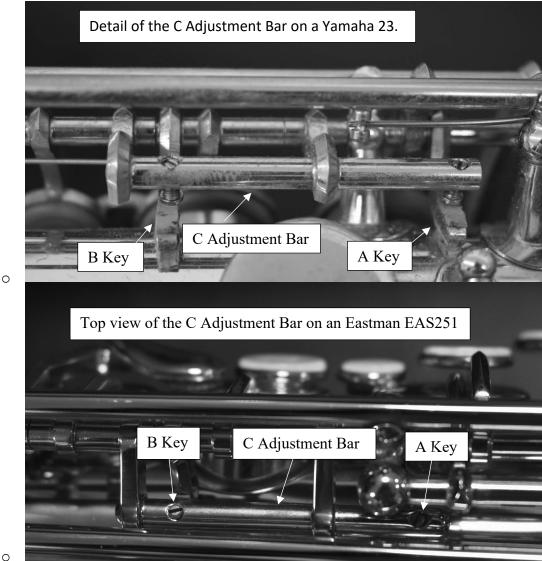
- Misc. bent keys
 - o Smooth jaw pliers, such as Knipex Pliers Wrench
- Bent clothes guard
- Loose screws
 - o Screwdriver set, such as the Woodwind Screwdrivers from MusicMedic
- Sticky pads
 - Yamaha Powder Paper
- Sticky neck tenon
 - o Rubbing alcohol or mouthpiece spray
- Broken neck screw
 - o Ferree's Neck Screw Extractor, part #D14, www.ferreestoolsinc.com
- F#-G#-Bb adjustment screws



- When low C#, B, or Bb have a metallic buzz, check the G# adjustment. All of those keys affect the G# key!
- When students complain of a stuffy F#, or there is a metallic buzz when they play F#, check the F# adjustment.



- o Be careful not to over-regulate.
- A-B-C Adjustment
 - o Some saxophones have adjustment screws you can adjust if A, B, or C are stuffy or have a metallic buzz.



O Align bell

Things a band director should have:

- Teflon tape
- Masking tape
- Twist ties, zip ties, pipe cleaners
- Set of small flathead screwdrivers
- Smooth-jaw pliers, such as Knipex Plier Wrench
- Crochet hook or spring hook (for putting springs back in place)
- Yamaha Powder Paper
- Pad slick
- Leak light
- Mouthpiece spray
- Ferree's neck screw extractor (if you have lots of student Yamahas)
- Replacement parts assortment (pivot screws, key guard screws, neck screws)

- Super Glue Gel
- Contact cement
- Cork assortment (1/16" if you want to re-cork necks)
- MusicMedic Saxophone Repair Kit (https://musicmedic.com/products/repair-kits/musicmedic-com-saxophone-repair-kit.html)

Repair tool and supply sources for band directors:

- MusicMedic: musicmedic.com
- J.L. Smith: jlsmithco.com
- Ferree's Tools: ferreestoolsinc.com
- Votaw Tool Company: votawtool.com
- Rio Grande Jewelry Supply riogrande.com