

## Quick Reference List: Wall-Chart LUBRICATION & PURGE PROCEDURES



I) (Manual or auto-chuck: remove bur) Clean Handpiece exterior: brush and soap, wipe dry

### A) High speed:

- 1) Spray as short a burst as possible of a dual-purpose lube with a proper adaptor, OR 3 drops with dropper bottle in air port (small lines down, drive-air is top right-hand {medium sized}port: same configuration on low-speeds). \*\* NOTE: some types of swivel handpiece NEED spray type lubrication to fully inject lube properly: droppers will not force the oil through the critical areas. USE OF QUALITY LUBRICANT IS ESSENTIAL, and the better the lube, the longer it takes to purge them.
- 2) (If manual chuck: REINSERT AND LOCK BUR: if auto-chuck, this step is not necessary, ok to leave the bur out). Purge for 20 seconds minimum (until you hear the handpiece come up to full speed, then a few seconds, listen to the pitch carefully) (longer if you see oil in the final finishing spot on tissue) at air station/DCI-station, using white tissue to cover the chuck end, (be careful of the bur if you are tubing a manual) move tissue to clean spot covering the head of the handpiece for the final 3-4 seconds so that the 'final spot' can be checked.
- 3) Examine the oil on the tissue: if the 'final' few seconds shows expelled clean oil, REMOVE the BUR (manual chuck), wipe exterior clean and it is ready for sterilization. If oil on tissue for these last few seconds is NOT clean: leave bur in (manual chuck), re-lubricate, expel, and check tissue again. If clean this time, wipe the exterior clean and (see 4) sterilize using standard procedures, removing bur from handpiece, if you left it in a manual or latch chuck to purge. (NOTE: for lever chucks: make certain lever is in closed position prior to sterilization)
- 4) USE A CUE TIP with isopropyl to clean the fiber optics (head and tail ports), after purging handpiece, before sterilizing.
- 5) Once per week: 1-2 drops of lube into chuck before purging, as well as standard lube procedure as above. Adds life and health to the chuck.

\*NOTE: if you still use the old method: having to use a cleaner, then a lube, make CERTAIN that you purge the cleaner WELL. We recommend that you switch to a single step cleaner/lube: saves time cost and supply cost. (not applicable if using an Assistina type system).

### B) Lowspeeds/scalers (motors):

- 1) Clean exterior same as high speed
- 2) ONCE per week/every 4 days of operation: USE DROPPER BOTTLE to put **3 drops** of lube in air-port, put One drop of lube in all moving parts: clips, reverse rings, attachment lock buttons, etc.: if it moves or has threads, lube it.
- 3) Wipe free of excess lube, Expel (purge) excess lube at air station: LS's run slower: purge longer at purge stations

### C) Contras/attachments/heads:

1. Clean exterior of the attachment to remove debris, and sterilize both the contra and head, or the sheath after every use.
2. Once per week or every 4 days on long shifts, clean exteriors then disassemble the head from contras, lubricate the contra, axle, crowns & all moving parts and threads, remove the canister ring, then the canister from the head, swab out the head, clean and lubricate the canister, reassemble, wipe down and sterilize. Lube sheaths, air-syringe them, wipe and sterilize.

### D) Swivel couplers/connectors

1. Disconnect from hose, wipe exterior clean
2. Clean any optic ports with isopropyl dipped swab, clean the surfaces that mate to the handpiece
3. Lube threads, lightly lube seals, wipe down, reconnect
- 4) All Handpieces/attachments/swivels/heads: Once per week: Brush \*\*ANY threads clean, use lube on cloth/tissue to wipe threads clean (leaving a very fine film of lube on the threads, but NO LINT), one drop of lobe in chuck.

\*\*This includes removing swivel connectors from air stations, wiping the hose threads.

NOTES: From a technical point of view, you cannot over-lubricate a high-speed, IF YOU PROPERLY PURGE IT (it can take a while to purge excess quality lube). You CAN over-lube both Low-speeds and scalars: the oil can permeate the drive-vanes and swell them. Ensure that purge air pressures are correct. Ensure that air-station pressures are correct, and line filters from the compressor are doing their job. With QUALITY lubricants, do not lube after sterilization. Do NOT sonically clean unless the handpiece is properly disassembled: there are parts that must be removed before cleaning in sonic cleaners.

This is intended as a brief and generic Assistant's chart. It cannot replace specific knowledge about specific brands, so check your manufacturers instructions and make notes on this sheet as to any specific differences on individual models and makes.