



GRP Bottom Plate Adjustment

This procedure is an addendum to the HOMA GRP IOM, and outlines the requirements for adjustment of suction cover as wear occurs. All decontamination and safety procedures outlined in the IOM must be employed.

- Remove outer cap screws on suction cover.
- Completely drive in the set screws on the suction cover, pushing the suction cover out.
- Using your mallet, lightly tap the suction cover off of the base of the pump, the set screws should fall off once you do this so take precautions to prevent losing them.
- Remove the flat head cap screws on the cutting ring.
- Remove the cutting ring from the suction cover using your mallet to hit the top of the suction cover (the side the legs are not on), or you may drop the ring on its tangs, pushing the cutting ring out of the suction cover. This is an extremely tight fit, so this action should require a substantial amount of force.
- Insert the cutting ring into the new suction cover using your mallet. Make sure that you line up the location of you screws before you hammer the cutting ring in using a pilot like your 3 mm wrench. This is an extremely tight fit, so this action should require a substantial amount of force.
- Drive the flat head cap screws into the cutting ring to attach it to the new suction cover.
- Using your mallet, drive the new suction cover onto the impeller face, make sure you use a pilot like your 4 mm wrench to ensure the screws line up.
- Drive in your set screws making them flush with the base.
- Drive in your cap screws making them tight against the suction cover.
- Loosen your cap screws by ½ turn. Tighten your set screws in by ¼ turn.
- Hand tighten or slightly snug the cap screws that fasten the suction plate to the volute.
- Continue loosening and tightening the cap screws and set screws, periodically rotating the impeller bolt with your 5mm wrench to check for binding of the cutter as well as the suction cover to the impeller. Do not use your fingers to rotate the impeller bolt as it is extremely sharp.
- Tighten cap screws in a cross wise fashion checking for free rotation as you go along. If binding occurs back off on cap screws slightly and turn in adjusting set screws.