Disassembly of shaft seal

 Necessary tools: hexagon, Phillips, flathead screwdriver, box wrench, universal pliers

Step 1: use hexagon wrench turn on the screw of strap, take out the strap

Step 2: use flat head screwdriver take out the pump chamber

Step 3: take out the pump chamber and suction pipe

Step 4: take out the screw of strap, and take out the strap retainer

Step 5: take out the chamber
Step 6: use Phillips screwdriver to take out the screw of fan cover, and take out the fan cover.

Step 7: use flathead screwdriver take out the fan, take out the fan.

Step 8: use universal pliers to clamp the end of motor spindle.

Step 9: grasp the universal pliers, use box wrench take out the lock nut.

Step 10: take out the clamp.

Step 11: take out the impeller.
Step 12: take out the chamber

Step 13: take out the spacing pipe and impeller

Step 14: take out the chamber (upper)

Step 15: take out the bushing and spring

Step 16: take out the O-ring

Step 17: use hands take out the rotation of the ring, use flat head screwdriver take out the fixed ring

Disassembly complete
Assembly of shaft seal manual

Necessary tools: hexagon, Phillips, flathead screwdriver, box wrench, universal pliers

Step 1: Put the fixed ring into the set base of shaft seal and put the rotation of the ring into it.

Step 2: Put O-ring in it (put it on the bottom)

Step 3: Put the bushing and spring in it

Step 4: Put the impeller first and put the chamber (upper) on it

Step 5: Put the impeller in it, then put the spacing pipe in it
Step 6: put the chamber in it

Step 7: put the impeller in it

Step 8: put the clamp in it

Step 9: use universal pliers to clamp the end of motor spindle

Step 10: put the lock nut on it and grasp the universal pliers
          Use box wrench to lock the nut

Step 11: use hammer to beat the fan into it
Step 12: use Phillips screwdriver to lock the fan cover

Step 13: put the chamber on it

Step 14: lock the strap retainer

Step 15: install the suction pipe

Step 18: install the pump chamber

Step 19: use hexagon wrench to lock the strap. Assembly complete