

Replacing TPHK2-4T Series Mechanical Seal

1. Removing mech seal.

WI-S-HA00-B017E-3



Place the pump on work bench.



Loose the screws and remove the motor fan cover.



Using Allen wrench to remove the motor fan.



Loose the nuts on straps.
Remove the 3 straps.



Remove the suction intercon-necter.



Using wrench to loose the lock nut.

7



Remove all impellers, sleeves and intermediate chambers.

8



place all impellers, sleeves and intermediate chambers in order.

9



Remove the sleeve

10



Remove the cap.

11



Remove the spring.

12



Remove the rotary parts of mechanical seal.

13



Remove the stationary part.

2. Assembling mech seal.

1



Spray water on the shaft as lubrication.

2



Place the stationary part in position and press in.

3



Put on the rotary part of mechanical seal.press in the rotary parts

4



Place the spring onto rotary parts.

5



Place the cap onto rotary parts.
※The hexagon on the cover must be in the same direction as the hexagon of the shaft seal.

6



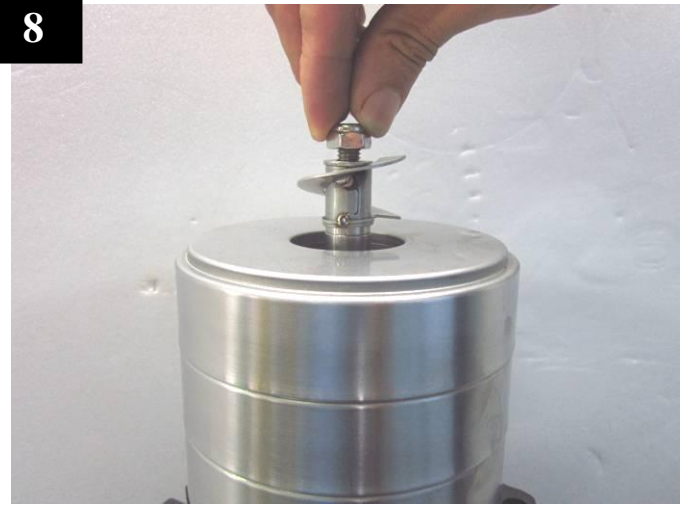
Place the 12mm sleeve.

7



Place back all impellers, sleeves and intermediate chambers in order.

8



Place the lock nut.

9



Using wrench to tighten up the lock nut.
※torque 210-300 kgf · cm

10



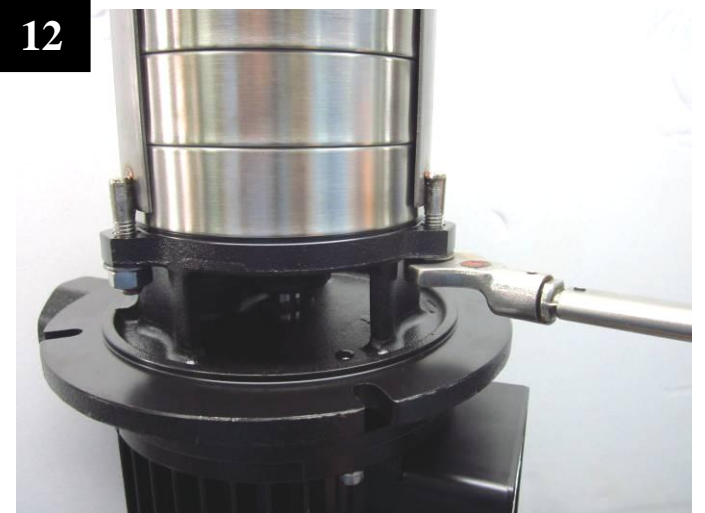
Place the suction interconnector.

11



Install the 3 straps.

12



Tighten up the nuts on straps.
※Torque 160-180 kgf · cm

13



Remove the filter.

14



Rotate the shaft and make sure no rubbing noise inside. Otherwise, loose the screws and repeat the above process until the rotation is smooth.

15



Install the filter.
※Torque 15-20 kgf · cm

16



Install the motor fan.
※Torque 10 kgf · cm

17



Install the motor fan cover.
※Torque 25 kgf · cm