

Replacing TS1500-3700 Mechanical Seal

1. Removing mech seal.

WI-D3-S-B022E-1



Using Allen wrench (metric size) to loose the stud bolts and remove pump cap.

Loose the screws and remove the motor fan cover.



Using Allen wrench to remove the motor fan.

Using wrench to loose the lock nut.



Remove all impellers, sleeves and intermediate chamber and place them in order.

Remove the cap, spring and washer.

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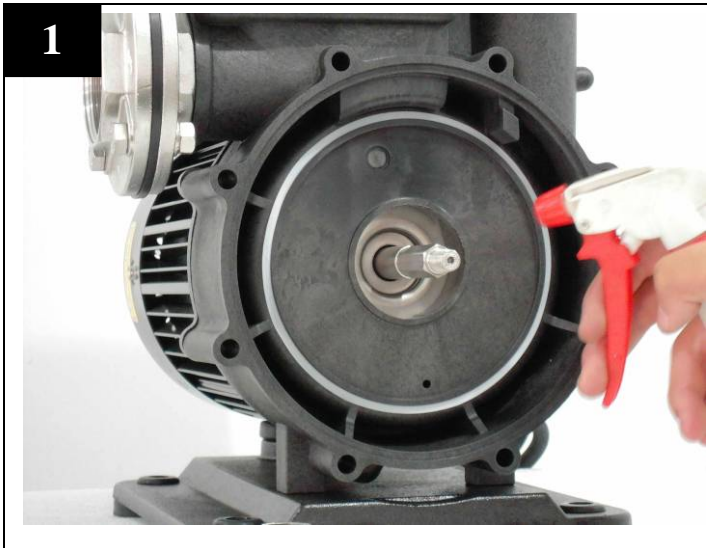
Remove the rotary parts of mechanical seal.

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Remove the stationary part.

2. Assembling mech seal.



1 Spray water on the shaft as lubrication.



2 Place the stationary parts in position.



3 Press in the stationary part.



4 Before press in rotary parts, insert the sleeve through the hex shaft aligning the slots on sleeve to tabs on washer.



5 Remove the cap.



6 Press in rotary part.



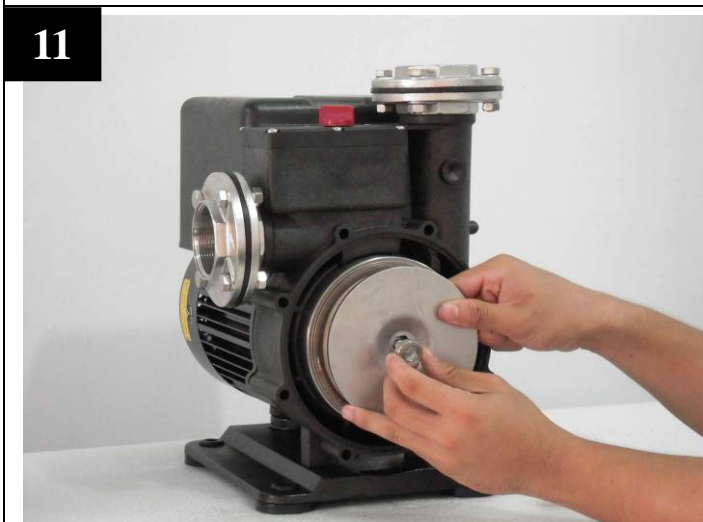
Place the spring onto rotary parts.

Place the cap onto rotary parts.



Identify mark 316 on the impellers.

Identify mark 316 on the intermediate chamber.



Place back all impellers, sleeves and inter-mediate chamber in order.
※Make sure the white Teflon seal is in place

Using wrench to tighten up the lock nut.
※Torque 220 kgf · cm

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Install the motor fan.
※Torque 15 kgf · cm

14



Install the motor fan cover.
※Torque 30 kgf · cm

15



Install O-ring onto pump cap.
※Make sure it is clean

16



Install the pump cap.
※Arrow on top position

17



Tighten up the stud bolts.
※Torque 200 kgf · cm