



QUMPS  
LOCK ETC



## SB-10,15,20 Shaft seal-Service Manual

# Removing



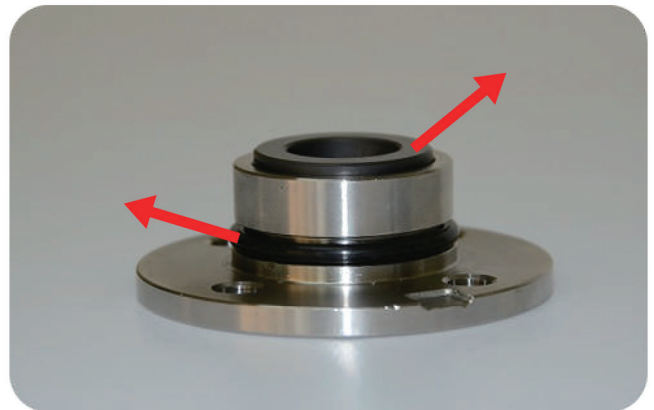
Step1: use 2.5mm hexagon wrench turn on the bolt



Step2: grasp the set base of shaft seal, avoid the component bounce  
Just loose the bolt, it's unnecessary to take hexagon socket head out



Step3: take out the set base of shaft seal



Step4: take the fixed ring, O-ring (AS568-123) out



Step5: take the O-ring (AS568-120) which on the fixed-ring out



Step6: take rotation of the ring, sheath out



Step7: take O-ring (AS568-211) out which inside the sheath



Step8: take compress spring out



Step9: take out the O- ring ((AS568-114) of spindle  
\*suggest using the tool to assist



Disassembly Complete



- 1: spindle sleeve
- 2: rotation of the ring
- 3: fixed ring
- 4: set base of shaft seal
- 5: compress spring
- 6: sheath
- 7: O-ring (AS568-114)
- 8: O-ring (AS56-211)
- 9: O-ring (AS568-120)
- 10: O-ring (AS568-123)
- 11: hexagon socket head

# Assembling



Assemble SB-10,15,20 shaft seal  
Must be prepared 2.5mm hexagon wrench



Step1: put O-ring (AS568-114) into the groove of shaft



Step2: put the compress spring into the shaft



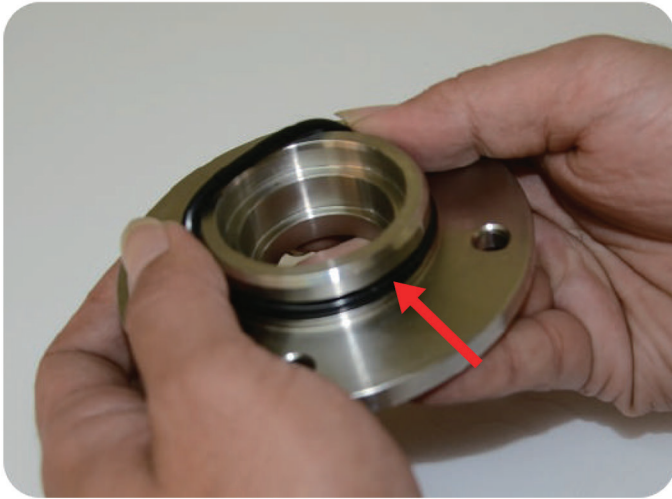
Step3: put the sheath into the O-ring (AS568-211)



Step4: put the sheath into the shaft



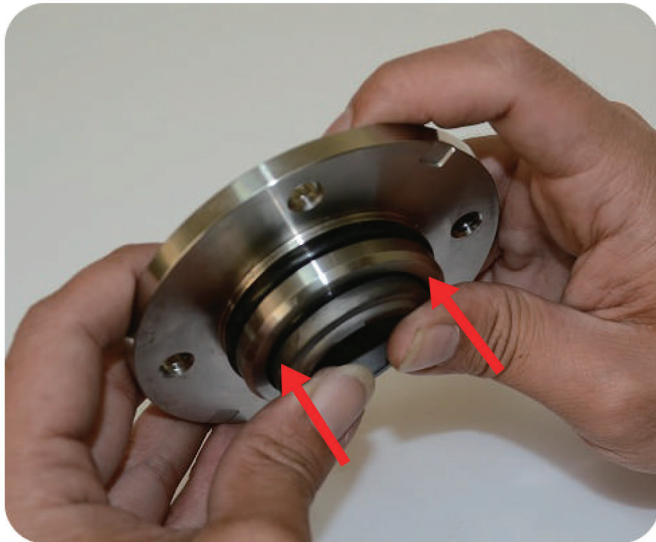
Step5: put the rotation of the ring into the sheath,  
bright face up



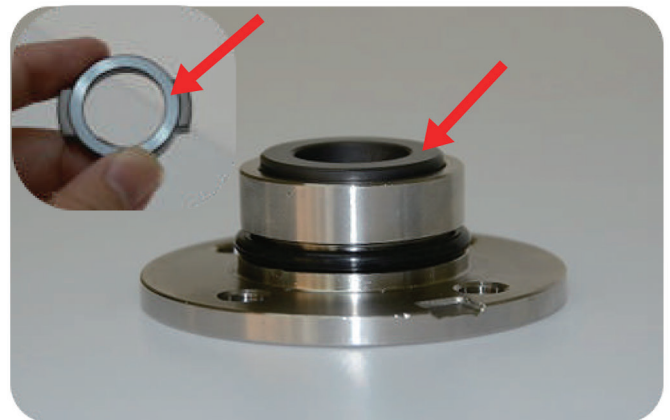
Step6: put O-ring (AS568-123) into the set base of shaft seal



Step7: put O-ring (AS568-120) into the fixed ring



Step8: tuck the fixed ring in the set base of shaft seal



Put the fixed ring smoothly, cannot have difference of height, bright face up



Step9: put the set base of shaft seal on the shaft



Press the set base of shaft seal and grasp it, avoid the bolt was bounced



Step10: grasp the set base of shaft seal,  
put hexagon socket head on it



Step11: use 2.5mm hexagon wrench lock the bolt,  
but it cannot exceed the shaft,  
just not protrude the hexagon socket head



Assembly complete