[3. Method of Assembling Casing Side]

3-2S2-1 Insertion of Bearing (Fixing	of I	Bearing)	
Screw	ocess	Insert the shaft into the bearing while hitting the shaft. Set the bearing on blocks of wood so that the inner ring	Tools to Be Used Block of Wood
	L Pr	(see 3-2S2-2) of the bearing is supported by the blocks	Plastic Hammer
	kinç	of wood.	
6206ZZC3	Vor	above-mentioned bearing	(Bearing Heater)
the old bearing 630677C3	-	Don't use Metallic Hammer.	()
		The screws of the shaft will be crushed.	
	oi	Hit the shaft evenly so as to prevent the bearing from	
	ă	ulung. By using an oil bydraulic press device as shown in the	
	-	drawing below, a bearing heater, or the like, the bearing	
3-2\$2-2		can be inserted more smoothly and accurately.	
inner ring			
3-2S2-3 Fixing of Bearing Case and	Ins	ertion of Shaft	
3-2S2-3 Fixing of Bearing Case and 6306ZZC3	Ins ess sa	Set the bearing case on blocks of wood.	Tools to Be Used
3-2S2-3 Fixing of Bearing Case and 6306ZZC3	Ins	ertion of Shaft Set the bearing case on blocks of wood. Insert the shaft into the bearing case.	Tools to Be Used Block of Wood
3-2S2-3 Fixing of Bearing Case and 6306ZZC3 6206ZZC3	ng Process sul	ertion of Shaft Set the bearing case on blocks of wood. Insert the shaft into the bearing case.	Tools to Be Used Block of Wood
3-2S2-3 Fixing of Bearing Case and 6306ZZC3 6206ZZC3	orking Process g	ertion of Shaft Set the bearing case on blocks of wood. Insert the shaft into the bearing case.	Tools to Be Used Block of Wood
3-2S2-3 Fixing of Bearing Case and 6306ZZC3 6206ZZC3	Working Process	ertion of Shaft Set the bearing case on blocks of wood. Insert the shaft into the bearing case.	Tools to Be Used Block of Wood
3-2S2-3 Fixing of Bearing Case and 6306ZZC3 6206ZZC3	Working Process	ertion of Shaft Set the bearing case on blocks of wood. Insert the shaft into the bearing case.	Tools to Be Used Block of Wood
3-2S2-3 Fixing of Bearing Case and 6306ZZC3 6206ZZC3 Screw Part	int Working Process g	ertion of Shaft Set the bearing case on blocks of wood. Insert the shaft into the bearing case.	Tools to Be Used Block of Wood
3-2S2-3 Fixing of Bearing Case and 6306ZZC3 6206ZZC3 Screw Part	point Working Process	ertion of Shaft Set the bearing case on blocks of wood. Insert the shaft into the bearing case.	Tools to Be Used Block of Wood
3-2S2-3 Fixing of Bearing Case and 6306ZZC3 6206ZZC3 Screw Part	point Working Process	ertion of Shaft Set the bearing case on blocks of wood. Insert the shaft into the bearing case.	Tools to Be Used Block of Wood
3-2S2-3 Fixing of Bearing Case and 6306ZZC3 6206ZZC3 Screw Part	point Working Process g	Set the bearing case on blocks of wood. Insert the shaft into the bearing case.	Tools to Be Used Block of Wood
3-2S2-3 Fixing of Bearing Case and 6306ZZC3 6206ZZC3 Screw Part 3-2S2-4 Insertion of Shaft	is point Working Process g	Ertion of Shaft Set the bearing case on blocks of wood. Insert the shaft into the bearing case. Hit the shaft with a plastic hammer and insert it	Tools to Be Used Block of Wood
3-2S2-3 Fixing of Bearing Case and 6306ZZC3 6206ZZC3 Screw Part 3-2S2-4 Insertion of Shaft	point Working Process	Pertion of Shaft Set the bearing case on blocks of wood. Insert the shaft into the bearing case. Hit the shaft with a plastic hammer and insert it vertically.	Tools to Be Used Block of Wood Tools to Be Used Plastic Hammer
3-2S2-3 Fixing of Bearing Case and 6306ZZC3 6206ZZC3 Screw Part 3-2S2-4 Insertion of Shaft	Process point Working Process g	Pertion of Shaft Set the bearing case on blocks of wood. Insert the shaft into the bearing case. Hit the shaft with a plastic hammer and insert it vertically.	Tools to Be Used Block of Wood
3-2S2-3 Fixing of Bearing Case and 6306ZZC3 6206ZZC3 Screw Part 3-2S2-4 Insertion of Shaft	king Process point Working Process	Pertion of Shaft Set the bearing case on blocks of wood. Insert the shaft into the bearing case. Hit the shaft with a plastic hammer and insert it vertically.	Tools to Be Used Block of Wood Tools to Be Used Plastic Hammer
3-2S2-3 Fixing of Bearing Case and 6306ZZC3 6206ZZC3 Screw Part 3-2S2-4 Insertion of Shaft	Vorking Process point Working Process	Pertion of Shaft Set the bearing case on blocks of wood. Insert the shaft into the bearing case. Hit the shaft with a plastic hammer and insert it vertically.	Tools to Be Used Block of Wood
3-2S2-3 Fixing of Bearing Case and 6306ZZC3 6206ZZC3 Screw Part 3-2S2-4 Insertion of Shaft	Working Process point Working Process	Pertion of Shaft Set the bearing case on blocks of wood. Insert the shaft into the bearing case. Hit the shaft with a plastic hammer and insert it vertically. When the bearing is deeply recessed	Tools to Be Used Block of Wood
3-2S2-3 Fixing of Bearing Case and 6306ZZC3 6206ZZC3 Screw Part 3-2S2-4 Insertion of Shaft	Working Process point Working Process g	Pertion of Shaft Set the bearing case on blocks of wood. Insert the shaft into the bearing case. Hit the shaft with a plastic hammer and insert it vertically. When the bearing is deeply recessed, the sound generated when the plastic hammer hits the	Tools to Be Used Block of Wood
3-2S2-3 Fixing of Bearing Case and 6306ZZC3 6206ZZC3 Screw Part 3-2S2-4 Insertion of Shaft	vint Working Process point Working Process g	Pertion of Shaft Set the bearing case on blocks of wood. Insert the shaft into the bearing case. Hit the shaft with a plastic hammer and insert it vertically. When the bearing is deeply recessed, the sound generated when the plastic hammer hits the shaft will change to a higher-pitched sound.	Tools to Be Used Block of Wood
3-2S2-3 Fixing of Bearing Case and 6306ZZC3 6206ZZC3 Screw Part 3-2S2-4 Insertion of Shaft	point Working Process point Working Process g	Pertion of Shaft Set the bearing case on blocks of wood. Insert the shaft into the bearing case. Hit the shaft with a plastic hammer and insert it vertically. When the bearing is deeply recessed, the sound generated when the plastic hammer hits the shaft will change to a higher-pitched sound.	Tools to Be Used Block of Wood









3-2S2-21 Mounting of Mechanical Sea	al (S	Stationary Seal of impeller Side)	
projections recesses	Working Process	Attach a fixing plate by matching the projections of the fixing plate and the recesses of the rubber of the stationary seal on the impeller side.	
	point		
3-2S2-22 Mounting of Mechanical Sea	al (S	tationary Seal of impeller Side)	
	Working Process	tighten four screws with equal torque using the Cross Slot Screw Driver.	Tools to Be Used Cross Slot Screw Driver
	point		
3-2S2-23 Mounting of Mechanical Sea	al (A	Attachment of the O-ring)	
O-Ring	Working Process	Attach the O-ring to the casing cover.	
	point		
3-2S2-24 Mounting of Mechanical Sea	al (S	tationary Seal of impeller Side)	
	Working Process	Apply oil to the surface of the stationary seal on the impeller side.	Tools to Be Used Oil Spray
	point	Make sure there is no dirt or such like on the surface.	

3-2S2-25 Fixing of Casing Cover		
	Place the casing cover on a platform.	Tools to Be Used
		a platform
		-
	0	
States and the second sec		
3-2S2-26 Mounting of Mechanical Seal		
	Insert the bearing case into the casing cover with care.	
	Insert the cover so that part A, shown in the drawing on	
	the right, of the bearing case face	A Car
	the front.	6
	Take care that the shall does not	
	Sundee.	
		-
		No No
3-2S2-27 Mounting of Mechanical Seal	•	
	Tighten spring washers and four bolts with equal	Tools to Be Used
	torque using the combination spanner (17).	Combination
		Spanner
	0	(17)
	Rotate the shaft by hand, and make sure that the shaft	
	Rotate the shaft by hand, and make sure that the shaft rotates smoothly.	
	Rotate the shaft by hand, and make sure that the shaft rotates smoothly. If any abnormality is felt, dismount the bearing case	
tick	Rotate the shaft by hand, and make sure that the shaft rotates smoothly. If any abnormality is felt, dismount the bearing case from the casing cover and investigate the reason.	
tion with the second se	Rotate the shaft by hand, and make sure that the shaft rotates smoothly. If any abnormality is felt, dismount the bearing case from the casing cover and investigate the reason.	
3-2S2-28 Attachment of the Plug	Rotate the shaft by hand, and make sure that the shaft rotates smoothly. If any abnormality is felt, dismount the bearing case from the casing cover and investigate the reason.	
3-2S2-28 Attachment of the Plug	Rotate the shaft by hand, and make sure that the shaft rotates smoothly. If any abnormality is felt, dismount the bearing case from the casing cover and investigate the reason.	Tools to Be Used
3-2S2-28 Attachment of the Plug	Rotate the shaft by hand, and make sure that the shaft rotates smoothly. If any abnormality is felt, dismount the bearing case from the casing cover and investigate the reason. Wind some seal tape around the plug, and tighten the plug in the lower part of the bearing case using a	Tools to Be Used Industrial sealant tape
3-2S2-28 Attachment of the Plug	Rotate the shaft by hand, and make sure that the shaft rotates smoothly. If any abnormality is felt, dismount the bearing case from the casing cover and investigate the reason. Wind some seal tape around the plug, and tighten the plug in the lower part of the bearing case using a monkey wrench.	Tools to Be Used Industrial sealant tape Monkey wrench
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3-2S2-29 Attachment of the Oil gauge		
	Attach theOil gauge with the Combination Spanner.	Tools to Be Used Combination Spanner (27)
	Note that excessive tightening increases the risk of breaking the oil gauge.	
3-2S2-30 Pressure hold check	L	
	Here, a pressure hold check should be carried out. Attach thePressure Gauge to the top part of the Bearing case while referring to the drawing on the left.Then, apply an air pressure of 0.3 Mpa and hold it for 10 minutes.	Tools to Be Used Pneumatic Device Pressure Gauge
point	If the pressure drops, dismount again and clean, and then mount the components again.	
3-2S2-31 Mounting of Mechanical Seal (Filling of Oil)	
Working Process	Put oil in the amount of 165 cc into the interior of the mechanical seal chamber. If the amount of oil can be visually checked, add oil until the spring is immersed.	Tools to Be Used Oil #10
point	If you are using a standard oil, it is recommended to use oil VG10 or VG32.	
3-2S2-32 Attachment of the Plug		
Working Process	Wind some seal tape around the plug, and tighten the plug in the lower part of the bearing case using a monkey wrench.	Tools to Be Used Monkey wrench
point		

3-2S2-33 Attachment of Impeller (Fixing	ng	of Shaft)	
	orking Process	Make sure that the shaft does not rotate. Fix the shaft with the Monkey wrench, and rock the key part. Make sure not to damage the shaft.	Tools to Be Used Monkey wrench
	point Wo	May be substituted by the Vice.	Vice
3-2S2-34 Attachment of Impeller			
	Working Process	Insert the impeller onto the shaft, and lightly hit the impeller blades with a plastic hammer to tighten the impeller.	Tools to Be Used Plastic Hammer
Impeller blade	point		
3-2S2-35 Attachment of Impeller			
	Working Process	Insert a washer and a nut onto the shaft in that order. Rotate the nut clockwise with a combination spanner (27) to tighten it.	Tools to Be Used Combination Spanner (27)
	point	Make sure that the shaft rotates correctly with your hands.	
3-2S2-36 Clearance Check			
	Working Process	Measure dimension B, shown in the drawing on the left, using a depth gauge.The design dimension of the specifications for motor 4P is 37.2mm. (For thespecifications for motor 2P, please contact the sales agent of the product.) If dimension B has become smaller due to wear, the pumping power will be affected by that dimension change. (for example, 36 mm or less) In such a case, please replace the impeller.	Tools to Be Used Depth gauge
B	point		

3-2S2-37 Attachment of the O-ring			
O-Ring	Working Process	attach the O-ring.	
	point		
3-2S2-38 Insertion of V Pully or Coupl	ing ø	Straightly insert the V pully or coupling onto the shaft	Tools to Bo Used
	Working Proces	The insertion should be carried out with care using a plastic hammer.	Plastic Hammer
	point	Note that strongly hitting the component may cause it to break.	
3-2S2-39 Insertion of V Pully or Coupl	ing		-
	Working Process	Rotate the 2 bolts with a Hex key (6mm).	Tools to Be Used Hex key (6mm)
	point		
3-2S2-40 Completion			
	Working Process	Attachment of the rotating part is completed.	
	point		