

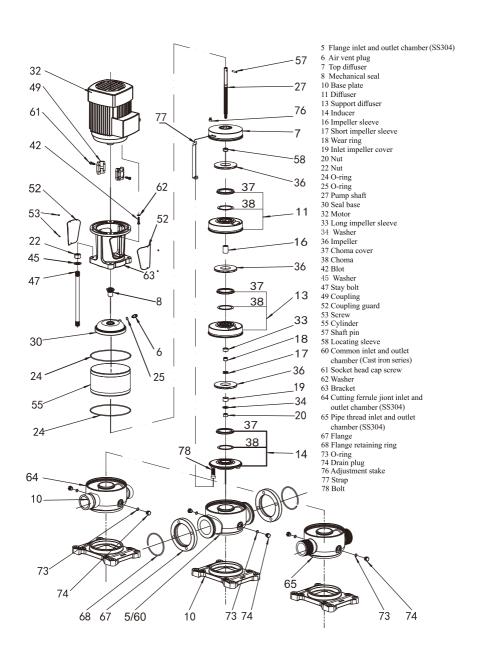
Vertical multi-stage pumps

VMS 10 - 20 Series Assembly Procedures

WATER SUPPLY • INDUSTRIAL BOOSTING • INDUSTRIAL LIQUID TRANSFER • WATER TREATMENT • IRRIGATION



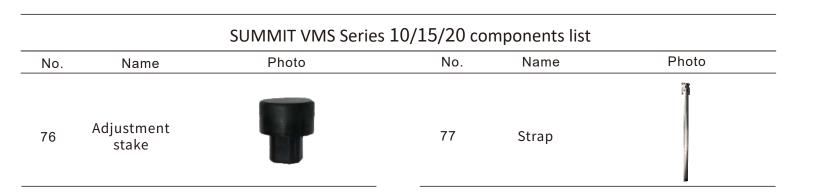
		5	Summit Series VMS	pump assembly tools	<b>;</b>	
	Tool name	Tool specification	Application	Where to use it	Remarks	Tool picture
1	Rubber hammer		All models	Knock the seal base to make it tighter if necessary		9
	Double offset ring spanners	10mm	M6			1
		14mm	M8			
		17mm	M10	For nuts #22 and Bolts #42 & #80		
2		19mm	M12	2010 11 12 0 1100		
		22mm	M14			
		24mm	M16	For nuts #6 & #74		
		2.5mm	For mechanical seal screw VMS 1-20			N. Walter
	Allen keys	3mm	For mechanical seal screw VMS 32-90	Mechanical Seal retaining		
3		5mm	M6	screws  Loosening and tightening of		15
		6mm	M8	the shaft coupling		
		8mm	M10			Marie and
4	Phillips screwdriver		M4	Coupling guard retaining screws		
			M5	00.0110		
5	Open spanner .	12mm Across Face	NJK12 (VMS 1-5)	F		4
5		16mm Across Face	NJK16 (VMS 10-20)	For mechanical seal.		7
6	Jig	Assembly Jig #1	VMS 1-5	Shaft support.		0
		Assembly Jig #2	VMS 10-20	Shaft support.	1	9 11.0



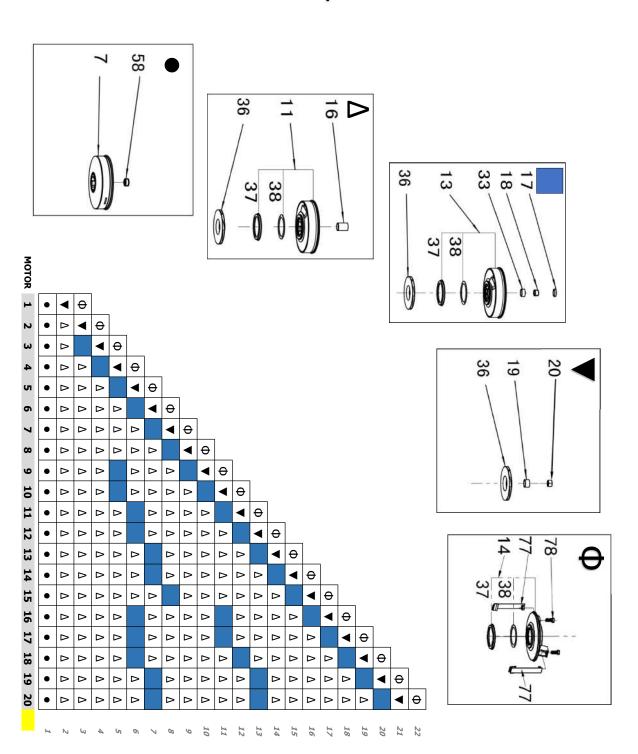
**Exploded view VMS Series 10 - 20** 

SUMMIT VMS Series 10/15/20 components list						
No.	Name	Photo		No.	Name	Photo
5	Inlet & outlet chamber			17	Short impeller sleeve	0
6	Airvent			18	Wearring	
7	Top diffuser			19	Inlet impeller cover	
8	Mechanical seal			20	Nut	
10	Base plate for flange connection			22	Nut	
11	Diffuser			24 / 25	O ring	0
13	Support diffuser			25 73	O ring	
14	Inducer			27	Shaft	
16	Impeller sleeve			30	Seal base	

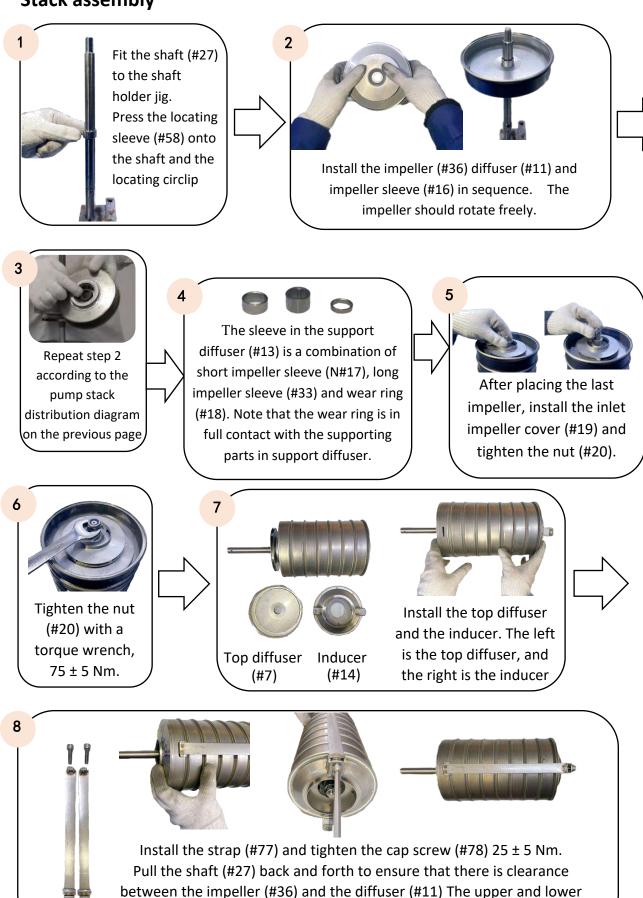
SUMMIT VMS Series 10/15/20 components list						
No.	Name	Photo		No.	Name	Photo
32	Motor			55	Cylinder	
33	Long impeller sleeve			57	Shaft pin	·
34 45 62	Washer			58	Locating sleeve	
36	Impeller			61 78	Socket Head Cap Screw	
42	Bolt			63	Bracket	
47	Staybolt			64	Cutting ferrule joint inlet and outlet chamber	
49	Coupling			67	Flange	
52	Coupling guard			68	Retaining ring	
53	Screw			74	Drain plug	



## VMS 10 ~ 20 Component Order

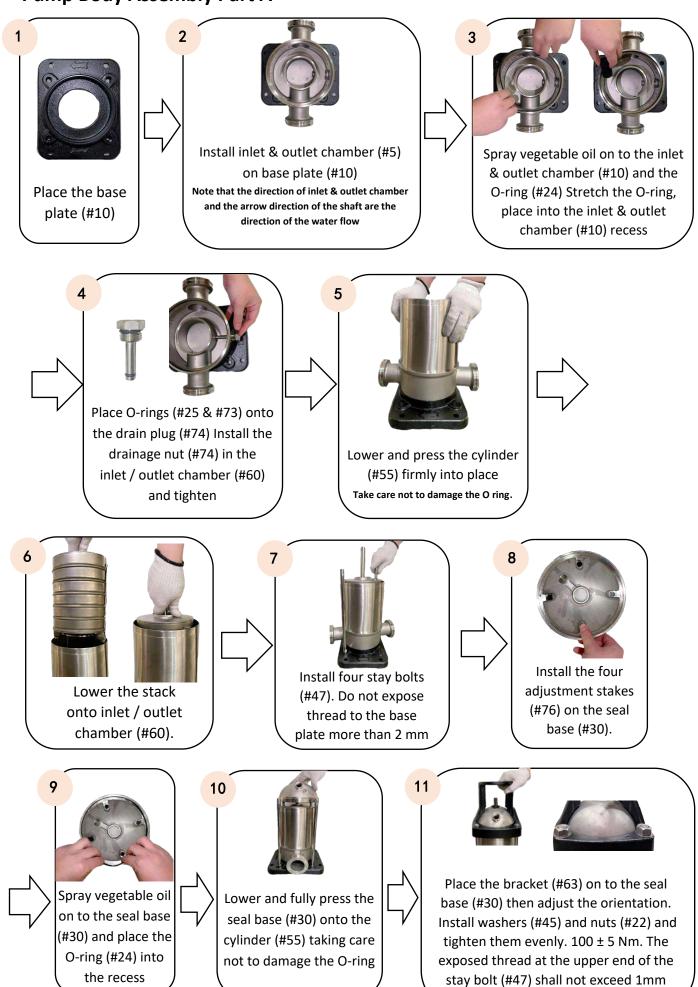


### Stack assembly



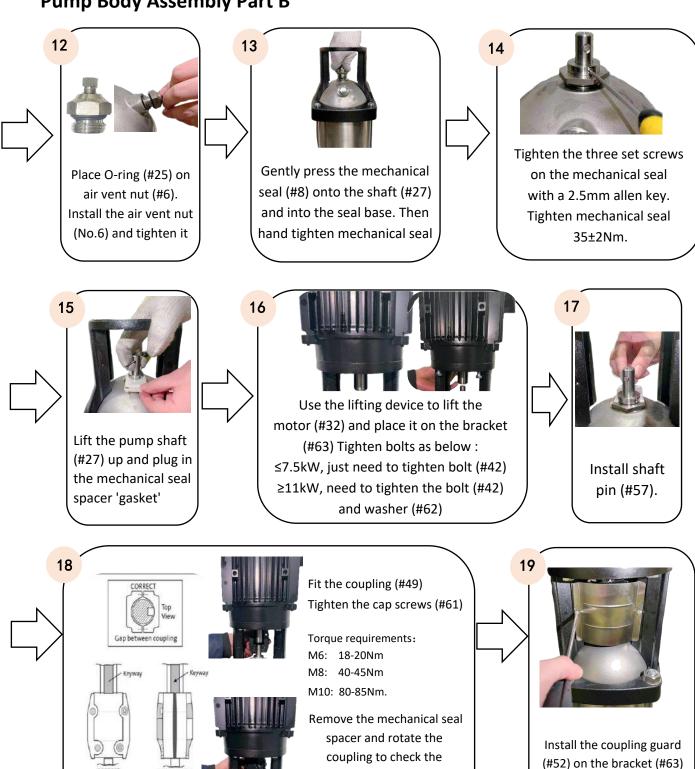
impellers should have similar clearance.

#### **Pump Body Assembly Part A**



#### **Pump Body Assembly Part B**

Ensure the gap between the two coupling halves is even.



assembly rotates freely

and tighten the screws (#53)



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