

Mitsuwapump Maintenance guide

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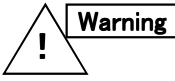


1、 Introduction

Thank you very much for purchasing the Mitsuwa Pump product. This Maintenance guide provides guidance on for safely maintaining the Mitsuwa Pump product.

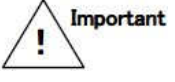
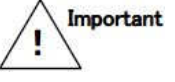

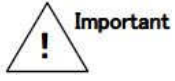

The Maintenance guide describes procedures for maintaining the pump and check items for the actual users of the pump.

•Be sure to read the manual before operating and maintaining the pump and follow the instructions. Since we are always making improvements to deliver better products, there may be some discrepancies between the product and the description in the maintenance guide.




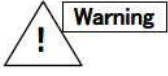




【Safety precautions】

The following symbols are used in this maintenance guide so that you can safely and properly use the product and prevent bodily injury upon you and other people and physical damage to property. After fully understanding the meaning of the symbols, read the instructions.	
	Indicates a potential situation that could result in death or serious injury on the user if the product is handled improperly.
	Indicates a potential situation that could result in injury on the user or physical damage to the product if the product is handled improperly.
	Indicates a potential situation that could result in injury on the user or physical damage to the product if the product is handled improperly.
	Indicates a potential situation that could result in physical damage to the product if the product is handled improperly.

【Cautions】

Before fitting the belt (coupling bolt), check the rotation direction of the electric motor. For the rotation direction, see the pump.	
After installing and piping the product, be sure to align the pulley (coupling).	
Before operating the pump, be sure to attach the safety cover. Never touch the safety cover carelessly during operation.	
After a new belt is fit, the belt may stretch. Be sure to check the belt tension in 15 to 30 days and adjust the tension as necessary.	
Never operate with the valve closed! (A long continuous operation of the pump with the valves on the discharge and suction pipes fully closed may cause an abnormal rise in the pump liquid temperature, resulting in damage to pump components. Also, avoid pipe blockage.)	

2、 For safety work

Before starting work, check the safety precautions and work procedures with the person in charge of work site according to the work plan and perform work safely.	
Before inspecting, maintaining, or overhauling the product, check whether the work place is not dangerous or work site is accessible.	
Before disassembling or repairing the product, be sure to turn off the electric motor.	
Keep unauthorized people away from the work site.	
Before starting work, close the discharge side valve to prevent liquid from flowing into the pump.	
When performing work, wear well-fitting work clothes to keep them from getting caught on protrusions or in moving parts. Also, wear your protectors such as a helmet and safety shoes and use your goggles, gloves, and safety belt as necessary.	
Designate a storage area for fire extinguisher and hydrant boxes and familiarize yourself with fire extinguishing procedures.	
Never modify the product! When you want modifications to the pump, contact your dealer to discuss new specifications.	
Please be sure to put the waste oil in the container. Do not discharge waste oil directly onto the ground. Be sure to comply with applicable laws and regulations with regard to waste disposal.	