

After Service Instruction

Model Name

Common

Task Name

How to Use an Insulation Resistance Tester

管理No. ASI-1006

This task should be carried out only by those who meet the following requirements.

Also, please understand the contents of "Precautions for Use" in advance before performing the work.

"Trained maintenance personnel"

- Persons who have knowledge of the electrical circuits of this machine and have received electrical safety education
- Persons who have received maintenance work education
- Persons who have been trained in the handling of high-pressure air and understand the piping of this machine

Precautions for Use

- Use of information, etc.

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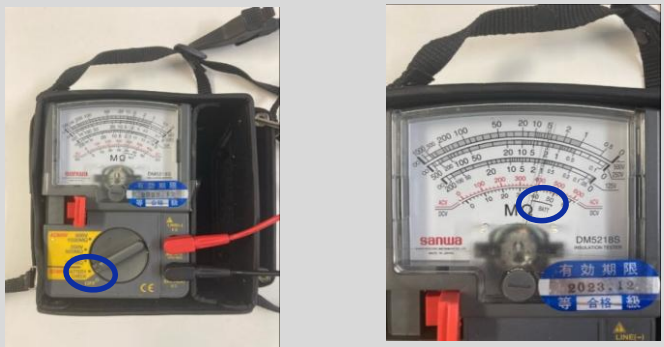
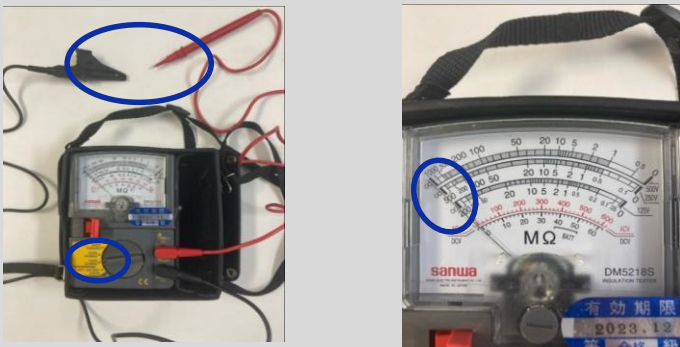
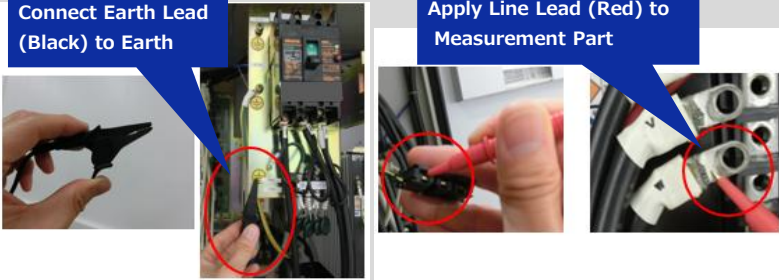
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Work Procedure (Key Points of Work, Reasons for Key Points, Safety, Tips)	Detailed Diagram (Photos, Illustrations, Balloon Diagrams, etc.)
Pre-use Inspection ① Perform a battery check. Set the range to battery check and press the measurement button. (For the type in the photo, lift the switch) If the needle points to the battery section on the display panel, it's OK. Work with Insulating Gloves	
Pre-use Inspection ② Perform an open check. Set the range to an appropriate item and ensure that the line lead (red) and earth lead (black) are not in contact with anything, then press the measurement button. If the needle on the display panel points to ∞, it's OK. If it points to anything other than ∞, the insulation resistance tester is faulty.	
Pre-use Inspection ③ Perform a zero check (continuity check). Short the line lead and earth lead and press the measurement button. If 0 is displayed on the display panel, it's OK. Also, attach the earth lead to the grounding terminal of the measurement location and press the line lead against the machine chassis (the metal part of the machine body that is grounded) and press the measurement button. If 0 is displayed, it confirms that the measurement location is grounded.	
Precautions During Measurement Generally, measurements are performed at 500VM, but there is no problem if measured above the circuit voltage, so please pay attention to the measurement range. Also, if you swap the earth lead and line lead during measurement, it may not produce a correct value.	Connect to Earth Apply to Measurement Part 
Motor + Power Line (U, V, W), Method for Measuring Motor Alone Remove the cable from the amplifier and measure the insulation resistance. If there is no problem with the resistance value, there is no issue with the motor or cable. If the resistance value is poor, remove the cable on the motor side and measure the insulation resistance of the motor alone. If the motor alone is good, the cable may be faulty, so please measure the cable alone. ※Be careful not to measure the amplifier directly, as it may cause damage.	Connect Earth Lead (Black) to Earth Apply Line Lead (Red) to Measurement Part 
Total Work Estimated Time (minutes) 1 5 minutes	Tools and Equipment Used 1 Insulation Resistance Meter 2 3 4 5 6