

ENGLISH

**MEB-3200C
CAUTIONS FOR SAFETY**

TO ENSURE SAFE USE OF YOUR SEWING MACHINE

For the sewing machine, automatic machine and ancillary devices (hereinafter collectively referred to as "machine"), it is inevitable to conduct sewing work near moving parts of the machine. This means that there is always a possibility of unintentionally coming in contact with the moving parts. Operators who actually operate the machine and maintenance personnel who are involved in maintenance and repair of the machine are strongly recommended to carefully read to fully understand the following **SAFETY PRECAUTIONS** before using/maintaining the machine. The content of the **SAFETY PRECAUTIONS** includes items which are not contained in the specifications of your product.

The risk indications are classified into the following three different categories to help understand the meaning of the labels. Be sure to fully understand the following description and strictly observe the instructions.

(I) Explanation of risk levels

	DANGER : This indication is given where there is an immediate danger of death or serious injury if the person in charge or any third party mishandles the machine or does not avoid the dangerous situation when operating or maintaining the machine.
	WARNING : This indication is given where there is a potentiality for death or serious injury if the person in charge or any third party mishandles the machine or does not avoid the dangerous situation when operating or maintaining the machine.
	CAUTION : This indication is given where there is a danger of medium to minor injury if the person in charge or any third party mishandles the machine or does not avoid the dangerous situation when operating or maintaining the machine.
	Items requiring special attention.

(II) Explanation of pictorial warning indications and warning labels

Pictorial warning indication		There is a risk of injury if contacting a moving section.	Pictorial warning indication		Be aware that holding the sewing machine during operation can hurt your hands.
		There is a risk of electrical shock if contacting a high-voltage section.			There is a risk of entanglement in the belt resulting in injury.
		There is a risk of a burn if contacting a high-temperature section.			There is a risk of injury if you touch the button carrier.
		Be aware that eye deficiency can be caused by looking directly at the laser beam.	Indication label		The correct direction is indicated.
		There is a risk of contact between your head and the sewing machine.			Connection of a earth cable is indicated.

Warning label	
	<ul style="list-style-type: none"> ① • There is the possibility that slight to serious injury or death may be caused. • There is the possibility that injury may be caused by touching moving part. ② • To perform sewing work with safety guard. • To perform sewing work with safety cover. • To perform sewing work with safety protection device. ③ • Be sure to turn the power OFF before carrying out "machine-head threading", "needle changing", "bobbin changing" or "oiling and cleaning".

Electrical-shock danger label		危険 高電圧部分に触れて、大けがをすることがある。 電源を切って、5分以上たってからカバーをはずすこと。	DANGER Hazardous voltage will cause injury. Turn off main switch and unplug power cord and wait at least 5 minutes before opening this cover.
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SAFETY PRECAUTIONS

Accident means "to cause personal injury or death or damage to property."



DANGER

1. When it is necessary to open the control box containing electrical parts, be sure to turn the power off and wait for five minutes or more before opening the cover in order to prevent accident leading to electrical shock.



CAUTION

Basic precaution

1. Be sure to read the instruction manual and other explanatory documents supplied with accessories of the machine before using the machine. Carefully keep the instruction manual and the explanatory documents at hand for quick reference.
2. The content of this section includes items which are not contained in the specifications of your product.
3. Be sure to wear safety goggles to protect against accident caused by needle breakage.
4. Those who use a heart pacemaker have to use the machine after consultation with a medical specialist.

Safety devices and warning labels

1. Be sure to operate the machine after verifying that safety device(s) is correctly installed in place and works normally in order to prevent accident caused by lack of the device(s).
2. If any of the safety devices is removed, be sure to replace it and verify that it works normally in order to prevent accident that can result in personal injury or death.
3. Be sure to keep the warning labels adhered on the machine clearly visible in order to prevent accident that can result in personal injury or death. If any of the labels has stained or come unstuck, be sure to change it with a new one.

Application and modification

1. Never use the machine for any application other than its intended one and in any manner other than that prescribed in the instruction manual in order to prevent accident that can result in personal injury or death. JUKI assumes no responsibility for damages or personal injury or death resulting from the use of the machine for any application other than the intended one.
2. Never modify and alter the machine in order to prevent accident that can result in personal injury or death. JUKI assumes no responsibility for damages or personal injury or death resulting from the machine which has been modified or altered.

Education and training

1. In order to prevent accident resulting from unfamiliarity with the machine, the machine has to be used only by the operator who has been trained/educated by the employer with respect to the machine operation and how to operate the machine with safety to acquire adequate knowledge and operation skill. To ensure the above, the employer has to establish an education/training plan for the operators and educate/train them beforehand.

Items for which the power to the machine has to be turned off

Turning the power off: Turning the power switch off, then removing the power plug from the outlet.
This applies to the following.

1. Be sure to immediately turn the power off if any abnormality or failure is found or in the case of power failure in order to protect against accident that can result in personal injury or death.
2. To protect against accident resulting from abrupt start of the machine, be sure to carry out the following operations after turning the power off. For the machine incorporating a clutch motor, in particular, be sure to carry out the following operations after turning the power off and verifying that the machine stops completely.
 - 2-1. For example, threading the parts such as the needle, looper, spreader etc. which have to be threaded, or changing the bobbin.
 - 2-2. For example, changing or adjusting all component parts of the machine.
 - 2-3. For example, when inspecting, repairing or cleaning the machine or leaving the machine.
3. Be sure to remove the power plug by holding the plug section instead of the cord section in order to prevent electrical-shock, earth-leakage or fire accident.
4. Be sure to turn the power off whenever the machine is left unattended between works.
5. Be sure to turn the power off in the case of power failure in order to prevent accident resulting of breakage of electrical components.

PRECAUTIONS TO BE TAKEN IN VARIOUS OPERATION STAGES

Transportation

1. Be sure to lift and move the machine in a safe manner taking the machine weight in consideration. Refer to the text of the instruction manual for the mass of the machine.
2. Be sure to take sufficient safety measures to prevent falling or dropping before lifting or moving the machine in order to protect against accident that can result in personal injury or death.
3. Once the machine has been unpacked, never re-pack it for transportation to protect the machine against breakage resulting from unexpected accident or dropping.

Unpacking

1. Be sure to unpack the machine in the prescribed order in order to prevent accident that can result in personal injury or death. In the case the machine is crated, in particular, be sure to carefully check nails. The nails have to be removed.
2. Be sure to check the machine for the position of its center of gravity and take it out from the package carefully in order to prevent accident that can result in personal injury or death.

Installation

(I) Table and table stand

1. Be sure to use JUKI genuine table and table stand in order to prevent accident that can result in personal injury or death. If it is inevitable to use a table and table stand which are not JUKI genuine ones, select the table and table stand which are able to support the machine weight and reaction force during operation.
2. If casters are fitted to the table stand, be sure to use the casters with a locking mechanism and lock them to secure the machine during the operation, maintenance, inspection and repair in order to prevent accident that can result in personal injury or death.

(II) Cable and wiring

1. Be sure to prevent an extra force from being applied to the cable during the use in order to prevent electrical-shock, earth-leakage or fire accident. In addition, if it is necessary to cable near the operating section such as the V-belt, be sure to provide a space of 30 mm or more between the operating section and the cable.
2. Be sure to avoid starburst connection in order to prevent electrical-shock, earth-leakage or fire accident.
3. Be sure to securely connect the connectors in order to prevent electrical-shock, earth-leakage or fire accident. In addition, be sure to remove the connector while holding its connector section.

(III) Grounding

1. Be sure to have an electrical expert install an appropriate power plug in order to prevent accident caused by earth-leakage or dielectric strength voltage fault. In addition, be sure to connect the power plug to the grounded outlet without exceptions.
2. Be sure to ground the earth cable in order to prevent accident caused by earth leakage.

(IV) Motor

1. Be sure to use the specified rated motor (JUKI genuine product) in order to prevent accident caused by burnout.
2. If a commercially available clutch motor is used with the machine, be sure to select one with an entanglement preventive pulley cover in order to protect against being entangled by the V-belt.

Before operation

1. Be sure to make sure that the connectors and cables are free from damage, dropout and looseness before turning the power on in order to prevent accident resulting in personal injury or death.
2. Never put your hand into the moving sections of the machine in order to prevent accident that can result in personal injury or death.
In addition, check to be sure that the direction of rotation of the pulley agrees with the arrow shown on pulley.
3. If the table stand with casters is used, be sure to secure the table stand by locking the casters or with adjusters, if provided, in order to protect against accident caused by abrupt start of the machine.

During operation

1. Be sure not to put your fingers, hair or clothing close to the moving sections such as the handwheel, hand pulley and motor or place something near those sections while the machine is in operation in order to prevent accident caused by entanglement that can result in personal injury or death.
2. Be sure not to place your fingers near the surround area of the needle or inside the thread take-up lever cover when turning the power on or while the machine is in operation in order to prevent accident that can result in personal injury or death.
3. The machine runs at a high speed. Never bring your hands near the moving sections such as looper, spreader, needle bar, hook and cloth trimming knife during operation in order to protect your hands against injury. In addition, be sure to turn the power off and check to be sure that the machine completely stops before changing the thread.
4. Be careful not to allow your fingers or any other parts of your body to be caught between the machine and table when removing the machine from or replacing it on the table in order to prevent accident that can result in personal injury or death.

5. Be sure to turn the power off and check to be sure that the machine and motor completely stop before removing the belt cover and V-belt in order to prevent accident caused by abrupt start of the machine or motor.
6. If a servomotor is used with the machine, the motor does not produce noise while the machine is at rest. Be sure not to forget to turn the power off in order to prevent accident caused by abrupt start of the motor.
7. Never use the machine with the cooling opening of the motor power box shielded in order to prevent fire accident by overheat.

Lubrication

1. Be sure to use JUKI genuine oil and JUKI genuine grease to the parts to be lubricated.
2. If the oil adheres on your eye or body, be sure to immediately wash it off in order to prevent inflammation or irritation.
3. If the oil is swallowed unintentionally, be sure to immediately consult a medical doctor in order to prevent diarrhea or vomiting.

Maintenance

1. In prevention of accident caused by unfamiliarity with the machine, repair and adjustment has to be carried out by a service technician who is thoroughly familiar with the machine within the scope defined in the instruction manual. Be sure to use JUKI genuine parts when replacing any of the machine parts. JUKI assumes no responsibility for any accident caused by improper repair or adjustment or the use of any part other than JUKI genuine one.
2. In prevention of accident caused by unfamiliarity with the machine or electrical-shock accident, be sure to ask an electrical technician of your company or JUKI or distributor in your area for repair and maintenance (including wiring) of electrical components.
3. When carrying out repair or maintenance of the machine which uses air-driven parts such as an air cylinder, be sure to remove the air supply pipe to expel air remaining in the machine beforehand, in order to prevent accident caused by abrupt start of the air-driven parts.
4. Be sure to check that screws and nuts are free from looseness after completion of repair, adjustment and part replacement.
5. Be sure to periodically clean up the machine during its duration of use. Be sure to turn the power off and verify that the machine and motor stop completely before cleaning the machine in order to prevent accident caused by abrupt start of the machine or motor.
6. Be sure to turn the power off and verify that the machine and motor stop completely before carrying out maintenance, inspection or repair of the machine. (For the machine with a clutch motor, the motor will keep running for a while by inertia even after turning the power off. So, be careful.)
7. If the machine cannot be normally operated after repair or adjustment, immediately stop operation and contact JUKI or the distributor in your area for repair in order to prevent accident that can result in personal injury or death.
8. If the fuse has blown, be sure to turn the power off and eliminate the cause of blowing of the fuse and replace the blown fuse with a new one in order to prevent accident that can result in personal injury or death.
9. Be sure to periodically clean up the air vent of the fan and inspect the area around the wiring in order to prevent fire accident of the motor.

Operating environment

1. Be sure to use the machine under the environment which is not affected by strong noise source (electromagnetic waves) such as a high-frequency welder in order to prevent accident caused by malfunction of the machine.
2. Never operate the machine in any place where the voltage fluctuates by more than "rated voltage $\pm 10\%$ " in order to prevent accident caused by malfunction of the machine.
3. Be sure to verify that the air-driven device such as an air cylinder operates at the specified air pressure before using it in order to prevent accident caused by malfunction of the machine.
4. To use the machine with safety, be sure to use it under the environment which satisfies the following conditions:

Ambient temperature during operation	5°C to 35°C
Relative humidity during operation	35 % to 85 %
5. Dew condensation can occur if bringing the machine suddenly from a cold environment to a warm one. So, be sure to turn the power on after having waited for a sufficient period of time until there is no sign of water droplet in order to prevent accident caused by breakage or malfunction of the electrical components.
6. Be sure to stop operation when lightning flashes for the sake of safety and remove the power plug in order to prevent accident caused by breakage or malfunction of the electrical components.
7. Depending on the radio wave signal condition, the machine may generate noise in the TV or radio. If this occurs, use the TV or radio with kept well away from the machine.
8. In order to ensure the work environment, local laws and regulations in the country where the sewing machine is installed shall be followed.
In the case the noise control is necessary, an ear protector or other protective gear should be worn according to the applicable laws and regulations.
9. Disposal of products and packages and treatment of used lubricating oil should be carried out properly according to the relevant laws of the country in which the sewing machine is used.

Precautions to be taken so as to use the MEB-3200C more safely

 <p>DANGER</p>	<ol style="list-style-type: none">1. To prevent accidents caused by electric shock, never open the control box cover or touch the components inside the control box while the power switch is ON.2. If you find the sewing machine is too heavy to lift, the gas spring may have malfunctioned due to outgassing. Never lift the sewing machine in such a state since the machine can drop to pinch hands, fingers and arms resulting in serious injury.3. There is a risk of personal injury if you lift the sewing machine when the gas spring does not function since it is very heavy. * Be sure to fully understand "Standard of replacing time of the gas spring" and "Gas spring replacement procedure" described in the Instruction Manual before putting the sewing machine into use.4. Do not raise/return the sewing machine from/to its home position with two or more workers in order to prevent an accident that can result in personal injury.5. Do not hold the sewing machine in its raised position by hand in order to prevent an accident that can result in personal injury. * Be sure to lock the hinge stopper when raising the sewing machine to firmly secure the machine in its raised position.6. Do not hold any part of the sewing machine other than the rib on the bed periphery on the near side in order to prevent an accident that can result in personal injury.7. Do not use the sewing machine when the gas spring is not installed, in order to prevent an accident that can result in personal injury.8. The cloth trimming knife trims the material with an extremely strong pressure. Never allow hands and fingers to move near the cloth trimming knife when the cloth trimming hammer is in operation in order to prevent a pinching accident that can result in personal injury.
 <p>WARN- ING</p>	<ol style="list-style-type: none">1. To avoid personal injuries, when returning the machine head from the raised state to the home position, return it to the home position after confirming that there is no tool or component under the gas spring.2. To avoid personal injuries or damage of the sewing machine, take care not to allow the tool or components to damage the rod section of gas spring in the bottom cover.3. To avoid personal injuries, immediately replace the gas spring with a new one when the rod section of gas spring does not function properly with a flaw or the like, or it is judged as a defective one. For the judgment standard of defectiveness, refer to the item of "Standard of replacing time of the gas spring". [Do not use anything other than JUKI genuine gas spring (Part No. : 40100390).]4. Do not look into the laser beam. In addition, do not directly look into the laser beam with optical instruments.5. When you use the laser marking light (optional) device, be sure to attach the laser caution label and the class indication label supplied with the marking light (KE00000010) to the device. The place to attach them is as described in "Safety devices and warning labels".



CAUTION

1. To avoid personal injuries, never operate the machine with any of the belt cover, finger guard, eye guard or safety devices removed.
2. To avoid personal injuries, never bring your fingers, hair or clothes close to or place anything on the handwheel, V-belt or motor while the machine is running.
3. To avoid personal injuries, never bring your fingers near needle, cloth cutting knife and bobbin thread cutting knife when turning ON the power or during operating the sewing machine.
4. To avoid personal injuries, never bring your fingers into the needle bar cover while the machine is running.
5. To avoid personal injuries and prevent the breakdown of the sewing machine, make sure that there is no person or thing around the sewing machine when raising the machine head.
6. To avoid personal injuries, do not use the sewing machine with the gas spring removed.
7. To prevent accidents caused by abrupt start of the sewing machine, turn OFF the power switch when the machine is tilted or covers are removed.
8. The motor does not produce the noise while the machine is stopped. To prevent accidents caused by abrupt start of the sewing machine, be sure to turn OFF the power switch when you stop the machine.
9. To prevent accidents caused by electric shock, do not operate the machine with the ground wire removed.
10. To prevent accidents caused by electric shock and damage of the electrical components, turn OFF the power switch in advance in case of inserting or removing the connectors or the power plug.
11. Do not turn off the air while the sewing machine is in operation.
12. Be careful of handling this product so as not to pour water or oil, shock by dropping, and the like since this product is a precision instrument.
13. If this machine is used in the household environment, it can cause radio frequency interference. In this case, the user may be required to take an appropriate preventive measure against the radio frequency interference.

CAUTION BEFORE OPERATION

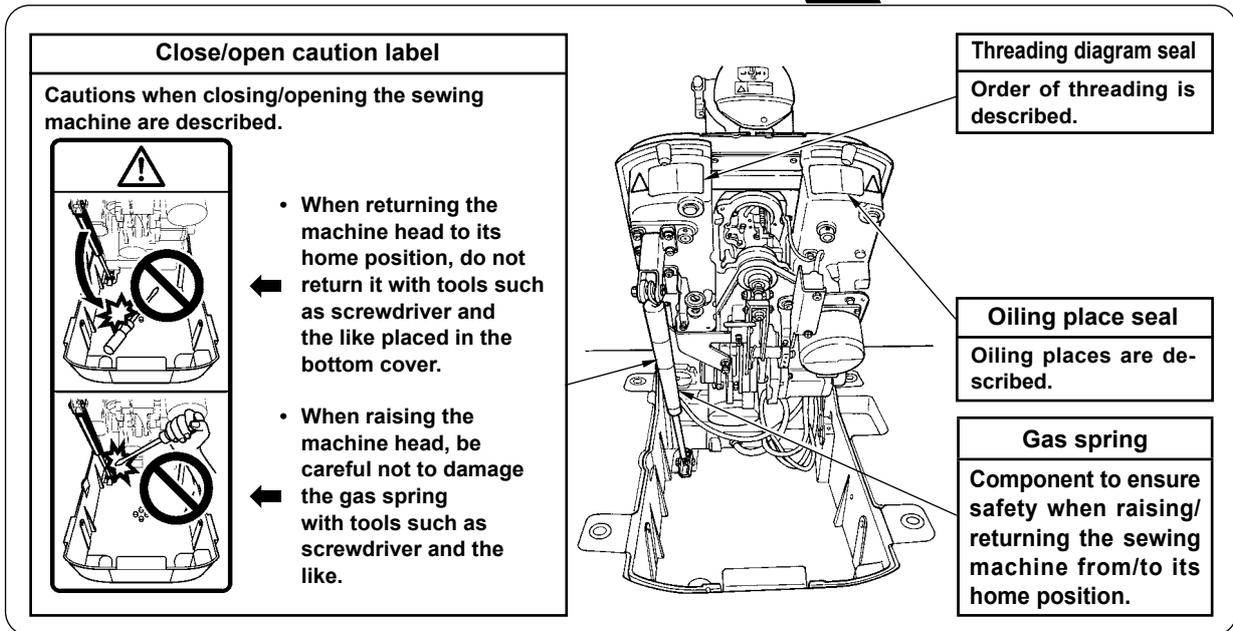
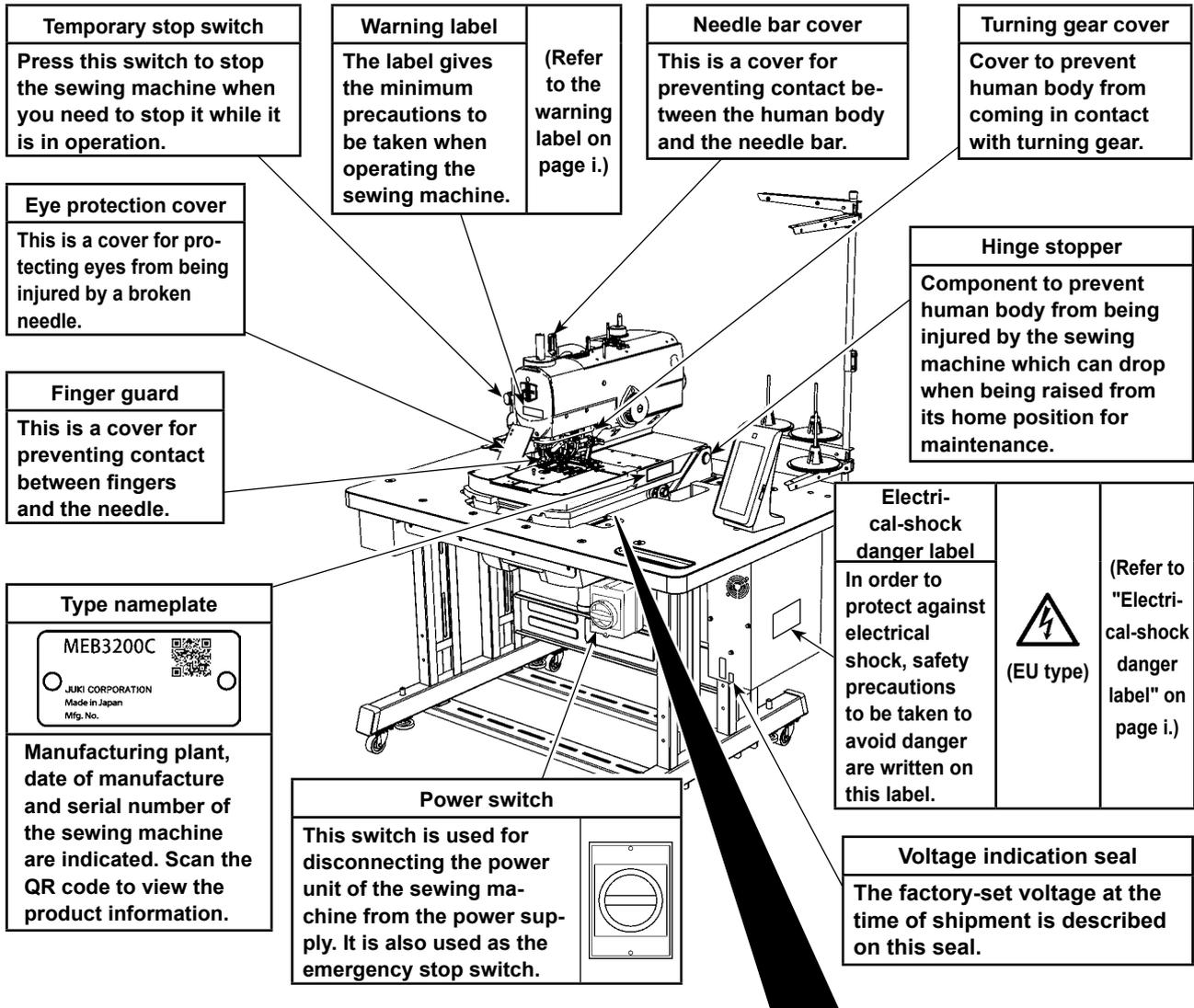


CAUTION :

To avoid malfunction and damage of the machine, confirm the following.

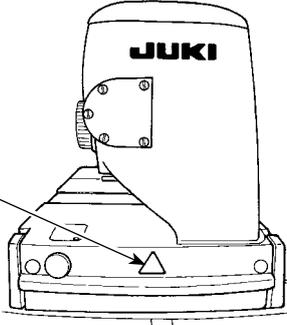
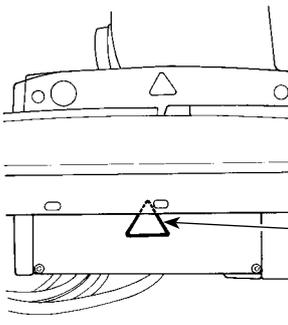
- Never operate the sewing machine unless the machine head has been lubricated.
- Remove dust gathered in the respective sections of the sewing machine when the work is over.
- A safety switch is provided so that the sewing machine cannot be operated with the machine head tilted. When operating the sewing machine, turn ON the power switch after placing the machine head at the correct position.
- Connect the power suitable for the voltage and phase of the sewing machine.
- The standard patterns are prepared beforehand in the pattern Nos. 1 to 11. Sewing speed and thread tension can be changed, however, shape cannot be changed. When changing the shape, copy the shape in another pattern No. to change.
- The feed base can be moved by hand when the power is turned OFF or immediately after the power is turned ON. However, be careful so that the cloth cutting knife does not come in contact with the holding plates, or the thread trimming unit does not come in contact with the throat plate.

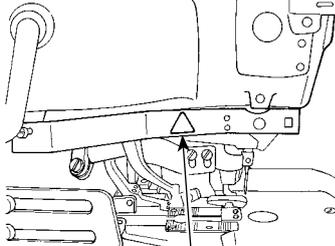
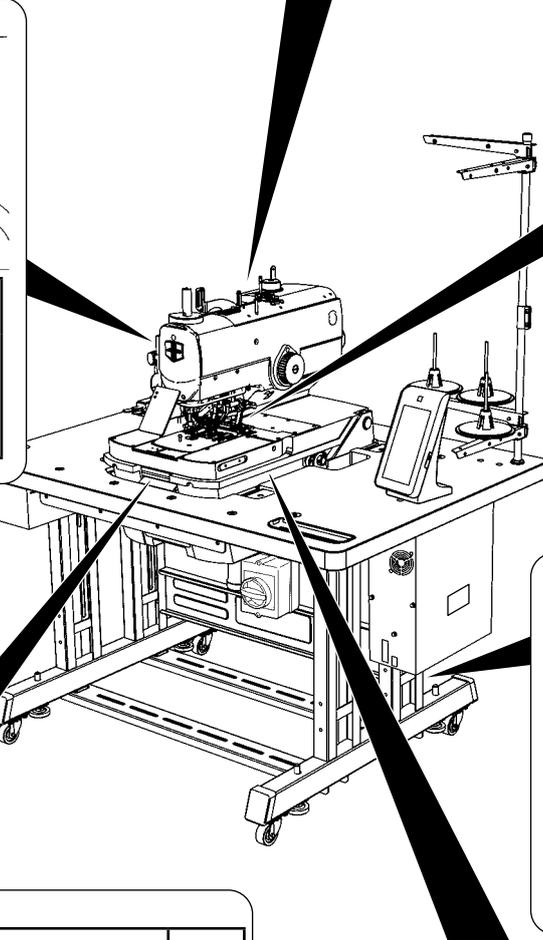
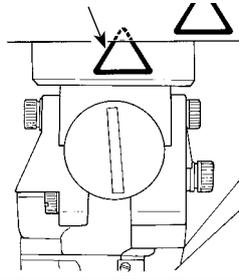
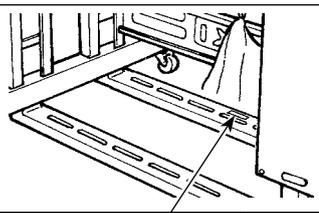
Safety devices and warning labels

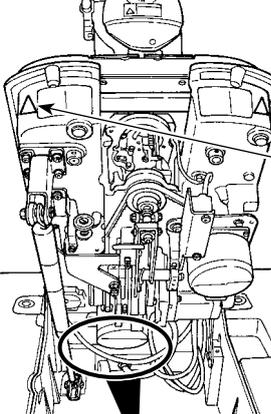
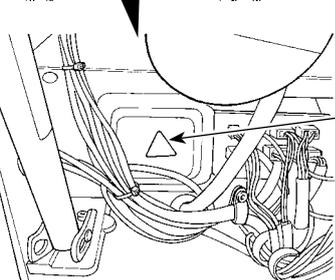


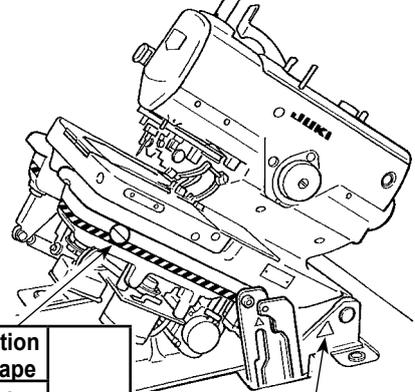
CAUTION

In addition, be aware that the safety devices such as the "eye protection cover" and "finger guard" are sometimes omitted in the sketches, illustrations and figures included in the Instruction Manual for the explanation's sake. In the practical use, never remove those safety devices.

<p>Warning label against pinching</p> <p>This is the warning label to prevent pinching of fingers and hands between the bed and the sewing machine when raising the latter from its home position.</p>				<p>Hazardous voltage warning seal</p> <p>This is the warning seal purpose of which is to prevent against electrical shock.</p>	
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	<p>Warning label against pinching</p> <p>This is the warning label to prevent pinching of fingers and hands in the timing belt.</p>			<p>Warning label against pinching</p> <p>This is the warning label to prevent pinching of fingers and hands in the cloth trimming knife.</p>	
		<p>Load-center label</p> <p>This label indicates the center of gravity of the machine.</p>			

	<p>Warning label against pinching</p> <p>This is the warning label to prevent pinching of hands between the bed and the sewing machine when returning the latter to its home position.</p>	
	<p>Hazardous voltage warning seal</p> <p>This is the warning seal purpose of which is to prevent against electrical shock.</p>	

<p>Holding prohibition label, Caution tape</p> <p>This is the warning label to indicate the part which should not be held by hand when raising the sewing machine from its home position.</p>			<p>Warning label against pinching</p> <p>This is the warning label to prevent pinching of fingers and hands in the hinge stopper.</p>	
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WARNING

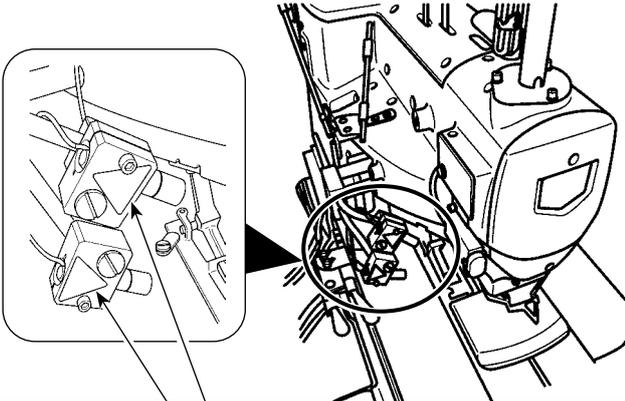


When you use the laser marking light (optional) device, be sure to attach the laser caution label and the class sign supplied with the marking light (KE00000010) to the device.
Attach [40249429 FDA_MARK_LABEL] included in the 40249514 MARKING_LIGHT_UNIT to the sewing machine.

DANGER



1. Caution - Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
2. If the laser light directly enters the eye, eyesight trouble may be caused.
Do not look into the laser inlet/outlet.
3. Never perform installing/removing of the marking lamp with the power turning ON.
In addition, do not use the light other than marking.



Marking light specifications

Class 2 laser product
Maximum output : 1mW
Wave length :
645nm ~ 660nm (Red)

Safety standard

JIS C 6802 : 2014
IEC60825-1 : 2014 Ed.3

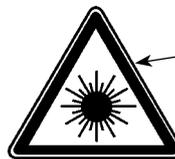
Option	
Laser caution label	
This label warns workers not to look straight into laser light.	

* Be sure to attach the supplied "Warning label" to the marking light.

**Supplied labels of the laser marker
KE00000010**



← Explanatory label

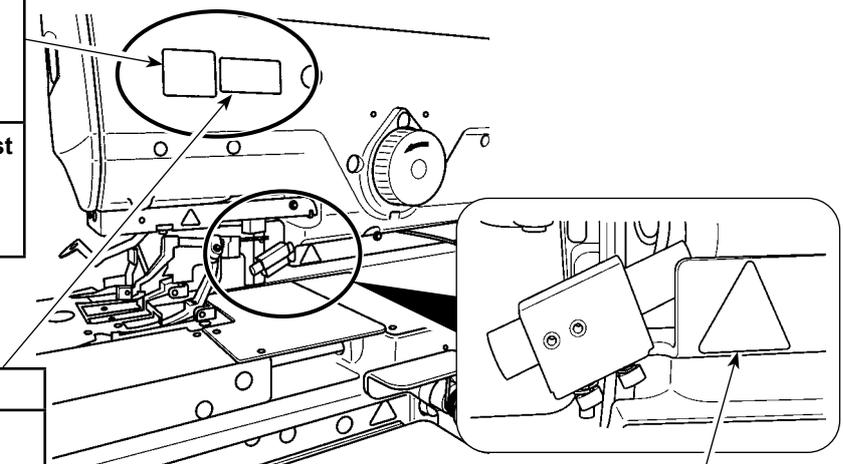


← Warning label

Option	
Laser explanatory label	
This label indicates the caution against direct looking into the marking light and characteristics and laser product class of the marking light.	

* Be sure to attach the supplied "Explanatory label" to the marking light.

FDA seal	
<p>Complies with 21 CFR 1040.10 and 1040.11 except for conformance with IEC 60825-1 Ed.3., as described in Laser Notice No. 56, dated May 8, 2019</p> <p>JUKI CORPORATION 2-11-1, Tsurumaki, Tama-shi, Tokyo, Japan (Factory Code:202)</p>	
Attach [40249429 FDA_MARK_LABEL] included in the 40249514 MARKING_LIGHT_UNIT to the sewing machine.	



Option	
Laser caution label	
This label warns workers not to look straight into laser light.	

* Be sure to attach the supplied "Warning label" to the marking light.