



# OV Innovations LK-1900 Bartacker program Specifications

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## OV Innovations LK-1900 Bartacker program Specifications



## BARTACKER PROGRAM INSTALLATION MANUAL

This manual provides instructions for installing the OV Innovations Bartacker/Sewing Machine programs. These programs are intended to be installed by qualified professionals. Please follow the safety precautions listed below

before installing the program.

## **SAFETY PRECAUTIONS**

- OV Innovations Bartacker/Sewing Machine programs are intended to be installed by qualified professionals.

### **LK-1900**

1. Inside the control box, locate the EPROM socket on the main circuit board.
2. If an EPROM is already in the socket, carefully remove it using an IC puller/chip extractor, rocking the EPROM back and forth while gently pulling outward.
3. Remove the new EPROM from its packaging. Ensure the pins are aligned approximately 90 degrees perpendicular to the body of the EPROM (use a tabletop or similar flat surface, if necessary).
4. Locate the notch on the side of the EPROM, indicated via arrows on the EPROM label. The notches on the EPROM and the circuit board socket will be aligned during installation.
5. Gently press the EPROM into the EPROM socket, matching the notches and ensuring all pins are aligned with their respective slots.

#### **LK-1900A/AN**

6. Inside the control box, locate the EPROM socket on the main circuit board.
7. If an EPROM is already in the socket, carefully remove it using an IC puller/chip extractor, rocking the EPROM back and forth while gently pulling outward
8. Remove the new EPROM from its packaging. Ensure the pins are aligned approximately 90 degrees perpendicular to the body of the EPROM (use a tabletop or similar flat surface, if necessary)
9. Locate the notch on the side of the EPROM, indicated via arrows on the EPROM label. The notches on the EPROM and the circuit board socket will be aligned during installation
10. Gently press the EPROM into the EPROM socket, matching the notches and ensuring all pins are aligned with their respective slots.

### **LK-1900B/BN Communication**

There are some precautions to be taken when handling USB devices:

- The machine vibration can damage the port section resulting in loss of data stored on the USB device or breakage of the USB device or sewing machine. Do not insert/remove a USB device during reading/writing a program or sewing data. It may cause data breakage or malfunction.
- When connecting a USB device, make sure that it is compatible with the sewing machine. JUKI does not guarantee operation of all applicable devices. Some device may not operate due to a compatibility problem.
- When two or more devices/media are connected/inserted, the machine will prioritize them in the following order: USB device, memory card, and hard disk drive.

### **How to use the communication function**

This sewing machine is capable of inputting/outputting data by means of an USB thumb drive.

1. Entering the communication mode: Press MODE key to display the mode screen. Put 11 Communication in the selected state with ITEM SELECT key. Then, press EDIT key.
2. Selecting the type of communication: Press DATA CHANGE key to select the type of communication.
3. Selecting the communication direction: Press ITEM SELECT key to display pictograph A which shows the communication direction selection. Press DATA CHANGE key to select the communication direction:
  - Data shown on the operation panel is written on the USB thumb drive.
  - Data stored on the USB thumb drive is read into the operation panel.

## SAFETY PRECAUTIONS

OV INNOVATIONS BARTACKER/SEWING MACHINE PROGRAMS ARE INTENDED TO BE INSTALLED BY QUALIFIED PROFESSIONALS.

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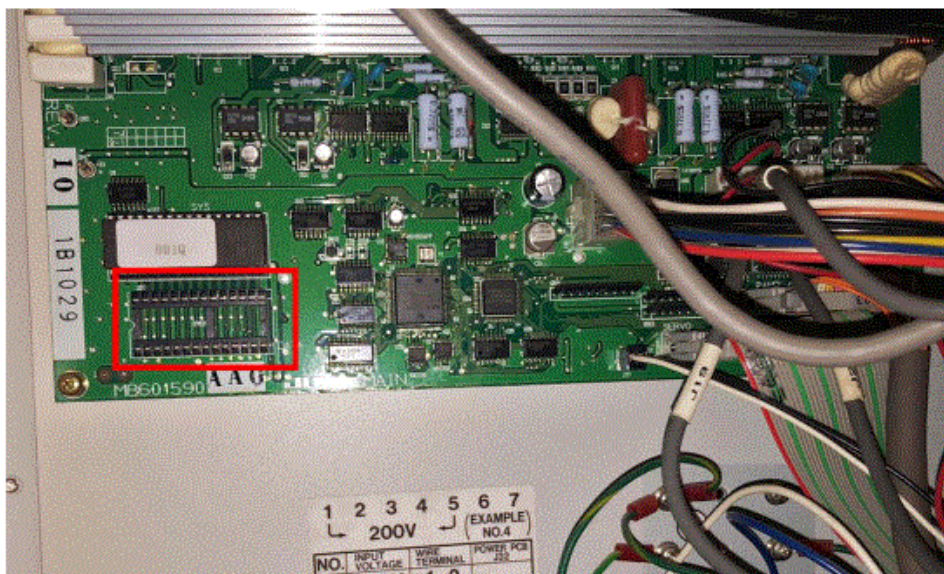


To prevent electric shock when installing an EPROM, turn OFF the power switch and UNPLUG the machine for at least 5 minutes. To prevent accidents caused by electric shock, request the services of an electrical engineer when working with electrical components.

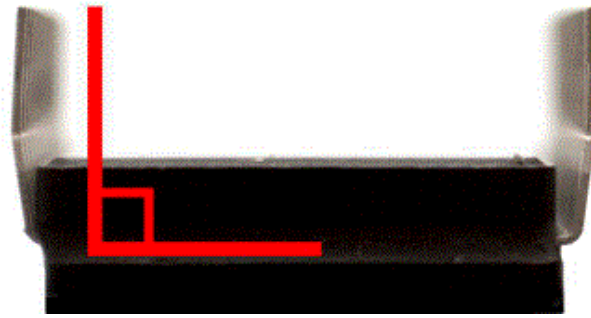
Seriously, if you don't know what you're doing, don't try to install any program onto your machine, especially if an EPROM is required. Consult your machine's user manual, particularly the safety precautions, prior to program installation and use.

## LK-1900

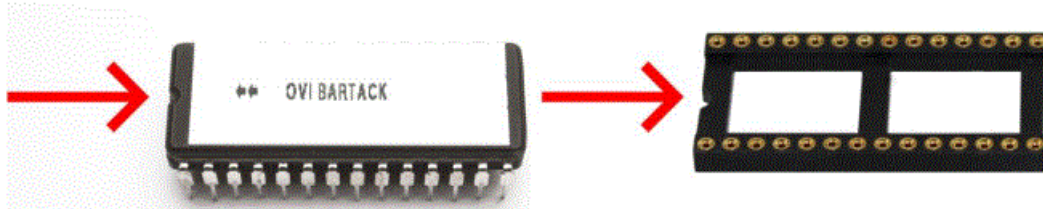
1. Inside the control box, locate the EPROM socket on the main circuit board. If an EPROM is already in the socket, carefully remove it using an IC puller/chip extractor, rocking the EPROM back and forth while gently pulling outward.



2. Remove the new EPROM from its packaging. Ensure the pins are aligned approximately 90 degrees perpendicular to the body of the EPROM (use a tabletop or similar flat surface, if necessary).



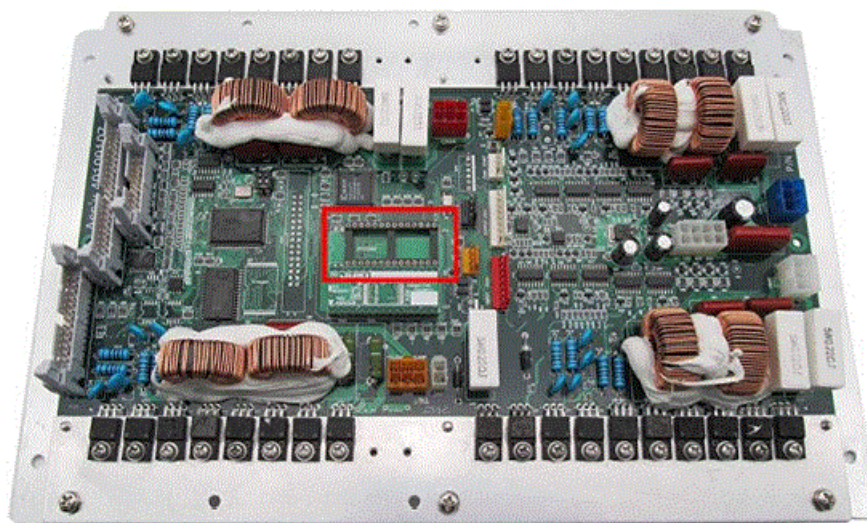
3. Locate the notch on the side of the EPROM, indicated via arrows on the EPROM label. The notches on the EPROM and the circuit board socket will be aligned during installation.



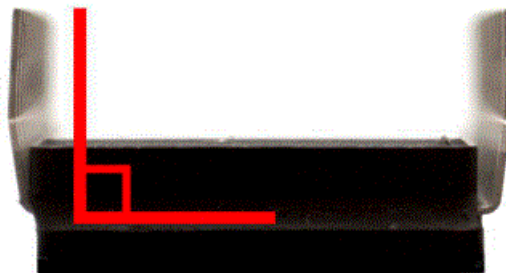
4. Gently press the EPROM into the EPROM socket, matching the notches and ensuring all pins are aligned with their respective slots.

#### **LK-1900A/AN**

5. Inside the control box, locate the EPROM socket on the main circuit board. If an EPROM is already in the socket, carefully remove it using an IC puller/chip extractor, rocking the EPROM back and forth while gently pulling outward.

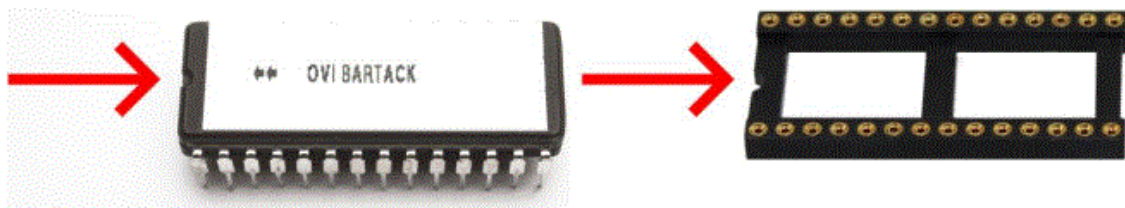


6. Remove the new EPROM from its packaging. Ensure the pins are aligned approximately 90 degrees perpendicular to the body of the EPROM (use a tabletop or similar flat surface, if necessary).



7. Locate the notch on the side of the EPROM, indicated via arrows on the EPROM label. The notches on the EPROM and the circuit board socket will be aligned during installation.





8. Gently press the EPROM into the EPROM socket, matching the notches and ensuring all pins are aligned with their respective slots.

## LK-1900B/BN

### 6-7. Communication

#### USB thumb drive

##### 1. Precautions to be taken when handling USB devices

- Do not leave the USB device or USB cable connected to the USB port while the sewing machine is in operation.  
The machine vibration can damage the port section resulting in loss of data stored on the USB device or breakage of the USB device or sewing machine.
- Do not insert/remove a USB device during reading/writing a program or sewing data.  
It may cause data breakage or malfunction.
- When the storage space of a USB device is partitioned, only one partition is accessible.
- Some type of the USB device may not be properly recognized by this sewing machine.
- JUKI does not compensate for loss of data stored on the USB device caused by using it with this sewing machine.
- When the panel displays the communication screen or pattern data list, the USB drive is not recognized even if you insert a medium into the slot.
- For USB devices and media such as CF(TM) cards, only one device/medium should be basically connected/inserted to/into the sewing machine. When two or more devices/media are connected/inserted, the machine will
- Insert the USB connector into the USB terminal on the IP panel until it will go no further.

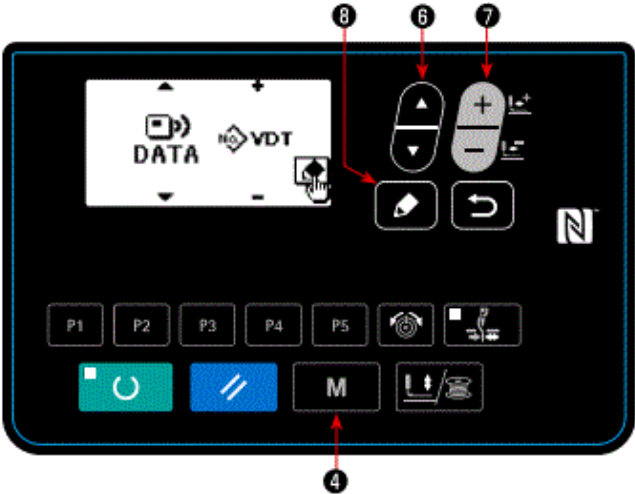
##### 2. USB specification

- Conform to USB 1.1 standard
- Applicable devices \*1 \_\_\_Storage devices such as USB memory, USB hub, FDD and card reader
- Not-applicable devices\_\_\_CD drive, DVD drive, MO drive, tape drive, etc.
- Format supported \_\_\_\_\_Others (USB memory, etc.), FAT 12, FAT 16, FAT 32
- Applicable medium size \_\_ \_Others (USB memory, etc.), 4.1MB ~ (2TB)
- Recognition of drives \_\_\_ is accessed. However, when a medium is connected to the built-in media slot, the access to that medium will be given the highest priority. (Example: If a medium is inserted into the media slot even when the USB memory has already been connected to the USB port, the medium will be accessed.)
- Restriction on connection \_Max. 10 devices (When the number of storage devices connected to the sewing machine has exceeded the maximum number, the 11th storage device and beyond will not be recognized unless they are once disconnected and re-connected. )
- Consumption current \_\_\_The rated consumption current of the applicable USB devices is 500 mA at the maximum.

JUKI does not guarantee operation of all applicable devices. Some device may not operate due to a compatibility problem.

How to use the communication function

This sewing machine is capable of inputting/outputting data by means of an USB thumb drive.




1. Entering the communication mode.

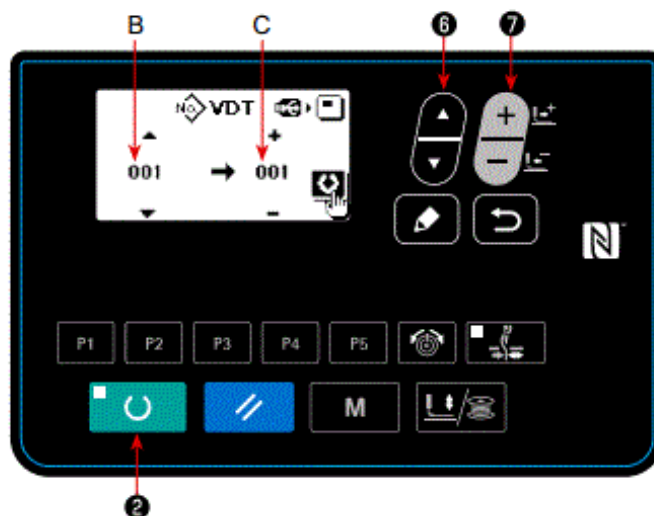
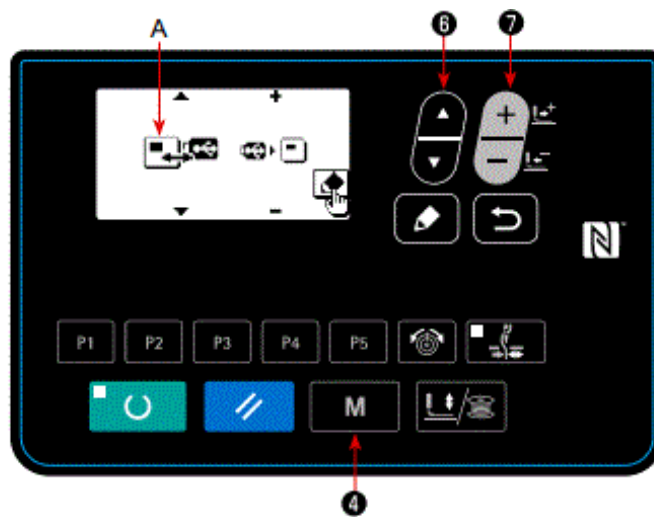
Press MODE key  4 to display the mode screen.

Put “11 Communication” in the selected state with ITEM SELECT key  6. Then, .


2. Selecting the type of communication. press EDIT key  8

Press DATA CHANGE key  7 to select the type of communication.

Name of data		Extension	Description of data
Vector form data		VD00 XXX .VDT (XXX:001 to 999)	Data on needle entry points created with the PM-1. The data form is commonly used among JUKI sewing machine.(User pattern)



### 3. Selecting the communication direction

Press ITEM SELECT key  to display pictograph A which shows the communication direction selection.


Press DATA CHANGE key  to select the communication direction.



: Data shown on the operation panel is written on the USB thumb drive.

: Data stored on the USB thumb drive is read into the operation panel.

### 4. Selecting the number

Press ITEM SELECT key  No. B to be read.

Press DATA CHANGE key  to select

C to be written. Press

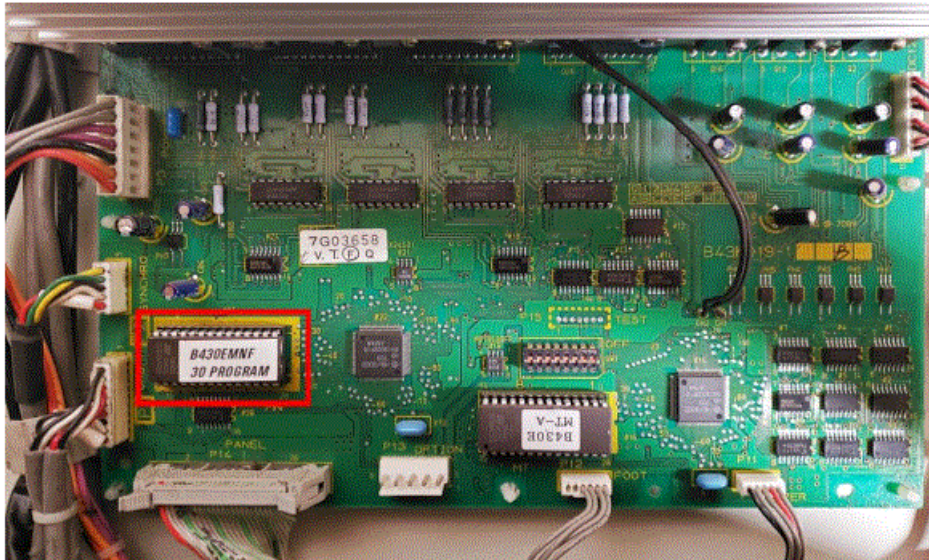


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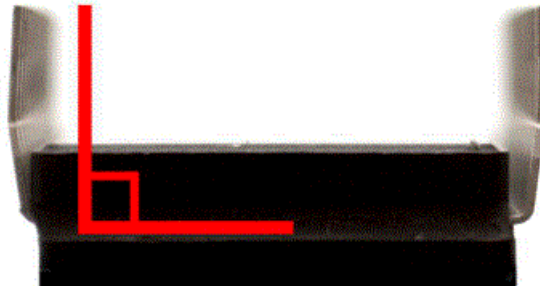
set READY key C.

### LK3-B430E // LK3-B430E Mark II // KE-430B // KE-430C

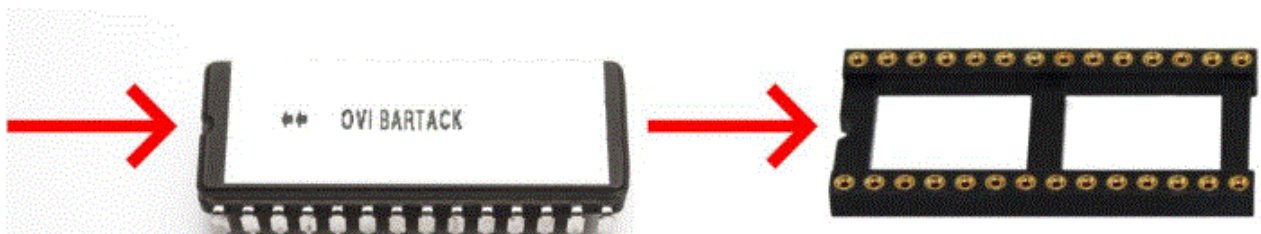
- Inside the control box, locate the EPROM socket on the main circuit board. If an EPROM is already in the socket, carefully remove it using an IC puller/chip extractor, rocking the EPROM back and forth while gently pulling outward.



- Remove the new EPROM from its packaging. Ensure the pins are aligned approximately 90 degrees perpendicular to the body of the EPROM (use a tabletop or similar flat surface, if necessary).



- Locate the notch on the side of the EPROM, indicated via arrows on the EPROM label. The notches on the EPROM and the circuit board socket will be aligned during installation.



- Gently press the EPROM into the EPROM socket, matching the notches and ensuring all pins are aligned with their respective slots.

### KE-430D

For CF card program input, consult the KE-430D Service Manual, (section 3. Using CF Cards).

### KE-430F


For SD card program input, consult the KE-430F Service Manual,(section 7. Using SD Cards).



**KE-430H**

For USB flash drive program input, consult the KE-430HX/HS Instruction Manual, (section 6-8. Reading and writing data using USB memory).

**Documents / Resources**

	<a href="#">OV Innovations LK-1900 Bartacker program</a> [pdf] Specifications LK-1900 Bartacker program, LK-1900, Bartacker program, program
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**References**

-  [OV Innovations | In Battle or Afield](#)