DDL-900B Series
Direct-drive, High-speed, 1-needle, Lockstitch Machine with Automatic Thread Trimmer (Oil Shielding System)

Non-lubricated hook (asm.): 22890206
Non-lubricated hook (asm.): 22890404 (provided with the needle guard)

Oil stains on sewing products can be totally prevented by using the dry hook made of plastic which has a unique race surface.

Max. sewing speed: 4,000 sti/min

To use the non-lubricated hook, the following two parts are separately needed:
- Hook driving shaft detent plug screw: 10795528
- O ring: 7905930080

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Auto lifter device (asm.) AK88851
This device automatically lifts the presser foot.

Non-rotating bobbin
The non-rotating bobbin helps prevent irregular stitches due to a certain sewing speed and bobbin thread tension variation due to a change in the bobbin thread remaining amount. Since the bobbin supplies the bobbin thread without rotating, the bobbin will not run idle.

The hook, bobbin, and bobbin case are all specifically-designed items for the non-rotating bobbin.

When you place orders, please note when placing orders, that the model name should be written as follows:

DDL900BB
Machine head

Lubrication
Max. sewing speed
Max. thread trimmer speed
Max. stitch length
Needle bar stroke
Lift of the presser foot
Needle
Lubrication oil
Direct motor
Power requirement
Power consumption
Total weight

Solution for heavy weight materials

Auto lifter device (asm.) AK88851
This device automatically lifts the presser foot.

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High-speed lockstitch machine with an automatic thread trimmer which is provided with a new oil shielding system

The sewing machine which integrates the direct-drive motor, control box and control panel into a monolithic body is now provided with a new oil shielding mechanism. It not only eliminates oil stains on sewing products, but also further enhances workability and maintainability.

NEW “Oil Shielding System”

In order to prevent oil stains on sewing products, the sewing machine has adopted the “Oil Shielding System” which is integrated into the sewing machine bed. The needle bar is lubricated with a smaller quantity of oil as compared with the conventional model. In addition, oil which externally splashes is shielded by the newly-developed frame oil recovery mechanism and automatic oil circulation mechanism. The new structure contributes to the achievement of the maximum sewing speed of 5,000st/min and also to increased productivity.

Oil is stored in the oil-shielded made of highly rigid aluminum die cast which is integrated into the machine head and provides increased cooling performance. The new oil-shielded has increased sealing performance as compared with a plastic oil tank and effectively prevents oil leakage and tank breakage. Furthermore, as the tank has a capacity of 600cc, which is equivalent to that of the conventional model, the frequency of oil replenishing does not change. These features ensure a reliability of mechanical parts as high as that of the conventional model.

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Oiling and oil-quantity checking can be done with ease

The oil hole is located on the top of the machine arm. The oil quantity can be easily checked with the oil gauge mounted on the top of the bed without lifting the machine head.

Highly-functional control panel

The control panel which belongs equivalently to the highly-functional CP-180 family is built into the control box. With this panel, various sewing data ranging from the sewing speed to the production support functions can be adjusted. In addition, the control panel has been newly provided with a password lock function to restrict panel operation. The machine may be used simply by entering any given passcode number.

Compact and small energy-saving direct-drive motor

In comparison with the conventional V-belt driven sewing machine, the sewing machine driven by the direct-drive motor saves power consumption by 25%. Furthermore, the new retry control helps increase the material penetrating power of the needle by approximately 10%.

DDL-900BB
Direct-drive, High-speed, 1-needle, Lockstitch Machine with Automatic Thread Trimmer (Shorter-thread remaining type) <Oil Shielding System>

Beautiful finished seams

The material at the beginning of sewing

Surface side

The needle thread does not remain on the surface side of the material.

Nipper device

This device pulls the needle thread into the wrong side of the material at the beginning of sewing, thereby ensuring more beautifully-finished seams.

The shorter-thread trimming mechanism

The length of thread remaining on the material at the end of sewing is 3 mm

Double-blade drive rotary knife system is adopted. The knife trims the thread after the completion of condensation stitching at the end of sewing. As a result, the thread of 3 mm long is left on the material consistently at the end of sewing regardless of the stitch length.

Since the LED lights cast their light exactly downward to illuminate the needle entry area from the right and left sides of the needle bar, sewing work can be carried out more easily as compared with the use of light from one direction. In addition, the illuminance of the LED lights can be adjusted in five steps and can be used as an auxiliary light for work.

Highly-functional touch-back switch

JUKI’s sewing machine which is provided with a thread trimmer is also provided as standard with the renowned needle breakage preventing function. The main shaft angle control works to prevent needle breakage even when the touch-back switch is used to perform reverse feed stitching. The height of the touch-back switch is adjustable according to the items to be sewn.