DDL-900A
Direct-drive, High-speed, 1-needle, Lockstitch Machine with Automatic Thread Trimmer ("DRY" Oil Pan System)

“DRY” Oil Pan System
High-speed lockstitch machine with an automatic thread trimmer which is provided with a new dry oil pan 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 dry oil pan mechanism. It not only eliminates oil stains on sewing products, but also further enhances workability and maintainability.

“DRY” Oil Pan System
(oil pan which does not use oil)

In order to prevent oil stains on sewing products, the sewing machine has adopted the “DRY” Oil Pan 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.

A. Elimination of oil stains on sewing products
<Adoption of a dry oil pan>

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 450cc, 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.

B. Elimination of oil stains on sewing products
<Prevention of oil splashes from the frame>

The frame mechanism employs a market-proven forced lubricating method and prevents oil from splashing outside through the newly added frame oil recovery mechanism and automatic oil circulation mechanism, thereby eliminating oil stains on sewing products.

C. 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 tilting the machine head.

D. Broaded range of adjustment of the hook oil quantity

The adjustable range of the oil quantity in the hook has been broadened to enable fine adjustment. In addition, the bottom of the underside cover contains an oil-quantity adjustment marking which helps prevent oiling errors. As a result, maintainability is improved.

H. 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.
Needle thread clamp device (asm.): 40139555
The device clamps the needle thread and draws it under the material at the beginning of sewing. The needle thread clamp device works to reduce the size of thread tangling in on the wrong side of the material. This expands the area around the needle entry, thereby allowing the use of various gauge components.

Auto lifter device (asm.) AK85B: 40140416
This device automatically lifts the presser foot.

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: 11079506
O ring: R0036080200

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.

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

Specifications
- Application: From light to medium-weight
- Lubrication: “DRY” Oil Pan System
- Max. sewing speed: 5,000 sti/min
- Max. thread trimmer speed: 300 sti/min
- Max. stitch length: 4 mm
- Needle bar stroke: 30.7 mm
- Lift of the presser foot: By hand: 5.5 mm / By knee: 13 mm
- Needle: DBx1 (#14) #9 - #18 / 134 (Nm90)
- Lubrication oil: JUKI Machine Oil 1 or 7 (equivalent to ISO VG7)
- Direct motor: 400 W
- Power requirement: Single-phase 200 V~240 V
- Power consumption: 250 VA
- Total weight: Machine head: 36 kg
- “sti/min” stands for “Stitches per Minute.”

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

DDL900A K

Application Code
From light to medium-weight S

Power supply Code
Single-phase 200 V~240 V (for General Export, China) K

Option
Needle thread clamp device (asm.):
40139555

Auto lifter device (asm.) AK85B:
40140416

Non-lubricated hook (asm.):
22890206

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

Juki ECO PRODUCTS
The DDL-900A is an eco-friendly product which complies with JUKI ECO PRODUCTS standards for protecting the environment.

- The sewing machine complies with the “Juki Group Green Procurement Guidelines” on the use of hazardous substances, which is stricter than other restrictions, such as those of the RoHS Directive.
- The RoHS Directive is an EU Directive limiting the use of 6 hazardous substances (lead, hexavalent chromium, mercury, cadmium, PBB and PBDE) in electrical and electronic equipment. The Juki Green Procurement Guidelines is the voluntarily established criteria to eliminate not only the aforementioned six substances, but also other ones which also adversely affect the environment.

JUKI CORPORATION
SEWING MACHINERY BUSINESS UNIT
- Specifications and appearance are subject to change without prior notice for improvement.
- Read the instruction manual before putting the machine into service to ensure safety.
- This catalogue prints with environment-friendly soy ink on recycle paper.

http://www.juki.com

Registered Organization: JUKI CORP. Head Office
The Scope of the Registration: The activities of research, development, design, sales, distribution, and maintenance services of industrial sewing machines, household sewing machines and industrial robots, etc., including sales and maintenance services of data entry systems.

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