

LS-1340 Series

Cylinder-bed, 1-needle, Unison-feed, Lockstitch Machine with Vertical-axis Hook

LS-1340

LS-1341 (with large vertical-axis hook)

LS-1342 (with large vertical-axis hook and gauge for small articles)

LS-1342-7 (with large vertical-axis hook, gauge for small articles, and automatic thread trimmer)



LS-1340



LS-1341



LS-1342-7-0BB

*Operation panel CP-180C and pneumatic auto-lifter AK147E is optionally available.



LS-1342

The LS Series offers a consistent stitching pitch and outstanding ability to sew sharp curves. This makes the machine ideal for the sewing of tubular articles.

Sewing capabilities and feed performance that respond to a broad range of uses in the sewing of heavy materials.

- With its larger needlebar stroke, larger lift of the presser foot, and newly adopted double-tension mechanism, the machine sews beautifully with thick threads (low count thread) and at higher thread tensions. This allows the machine to sew a broad range of heavy materials.
* The LS-1340 is provided with a single-tension mechanism.
- The newly developed mode of highly rigid rectangular feed guarantees outstanding feed performance. In addition, the ratio between the alternating vertical movements of the walking foot and presser foot remains unchanged even when the material thickness changes. With this feature, the machine sews multi-layered parts of the material consistently and without stitch gathering.
- The machine is equipped as standard with a mechanism to correct uneven material feed by making-micro adjustments to the bottom-feed.

Excellent for the sewing of sharp curves.

- The slimmed-down throat plate easily responds to the sewing of small tubular articles with diameters as small as $\phi 40\text{mm}$. This enhances the machine's ability to smoothly sew not only bags and shoes, but also small articles such as wallets.
- In addition to the standard type machine, a machine provided with a gauge for small articles is available. (LS-1342, LS-1342-7)

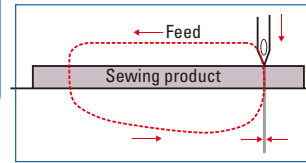


LS-1341



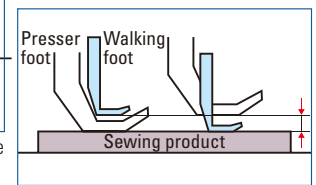
LS-1342

Rectangular feed



- Compared with the elliptical feed, the rectangular feed helps reduce gathered stitches.

Alternating vertical movement mechanism



- The ratio of alternate vertical movement remains unchanged even when the material thickness changes.



- Higher lift of the presser foot



- The maximum alternating vertical movement is 6.5mm.

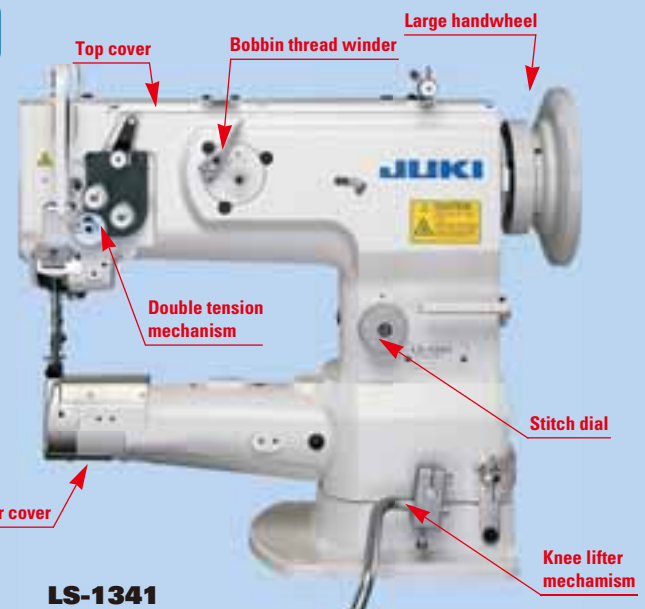
The vertical stroke of the walking foot and presser foot can be easily set and changed. (LS-1342, LS-1342-7)

- The vertical stroke of the presser foot and walking foot (amount of alternating vertical movement) can be easily changed with the large dial mounted on the top of the machine head. The sewing speed is automatically regulated based on the vertical stroke setting. This ensures ideal sewing conditions at all times.



Excellent operability and maintainability.

- The underside of the top end of the cylinder-bed is provided with an easy-to-remove cover. This promises easy cleaning of thread wastes.
- The stitch length can be easily selected by the stitch dial. The machine's enhanced operability features include a clear view of the area around the needle, placement of the bobbin thread winder on the front face of the machine arm, and a large handwheel ($\phi 160\text{mm}$).
- A knee-lifter mechanism is built in the bed. This reduces the pressure required to operate the knee-lifter and facilitates setup.
- The machine's full-open-type top design makes adjusting works easier.
- The machine comes with a lubricating mechanism that uses a centralized oil wick. This substantially reduces the time and trouble required for oiling the machine. (The hook needs manual oiling with an oiler.)
- A walking foot mechanism is built into the machine arm to prevent oil from scattering.



LS-1341

Cylinder-bed, 1-needle, Unison-feed, Lockstitch Machine with Large Vertical-axis Hook and Automatic Thread Trimmer LS-1342-7

The machine is provided as standard with an instantaneous change-over device for the alternate vertical movement amount (DL device).

For sewing processes that handle heavy materials or multi-layered parts of material, the alternating vertical movements of the walking foot and presser foot can be quickly set to maximum by pressing the DL switch.



One-touch type reverse feed button DL switch

The result is beautiful seams free from gathered stitches.

The machine is provided with both a hand switch and knee switch.

A helpful automatic reverse feed function is provided as standard.

With just a light press on the one-touch type reverse feed button, reverse feed stitching is actuated.

Thread trimming without fail.



The machine handles thread counts from #30 to #5. Its highly rigid thread trimming mechanism cuts the thread without fail. The machine can be applied to a broad range of sewing processes, including the sewing of bags.

The area around the needle entry is designed to be easily observed.

Since the needle thread-tension-release solenoid is fitted on the rear face of the machine head, the area around the needle entry is easily viewable. This substantially improves the operability of the machine.

Gauge for small articles are provided as standard.

The throat plate and feed dog are provided with a gauge that offers an excellent capability for the sewing of sharp curves. These gauges are especially useful for the sewing of curves of bags and leather cases.



LS-1342-7-0BB

* Operation panel CP-180C is optionally available.

OPTIONS

V type kit

The feed mechanism that can synchronize the binder in the piping-tape attachment process in the sewing of bags. (The V type kit cannot be installed on the LS-1342-7.)

| Model name | Part No. |
|------------|-----------|
| LS-1340 | 214-34758 |
| LS-1341 | 214-34857 |
| LS-1342 | 214-34956 |



LS-1341

V type binder N074

| Model name | Part No. | Tape width (mm) | Finish width (mm) |
|-------------------------------|--------------|-----------------|-------------------|
| LS-1340 LS-1341 LS-1342 | MAN-0740M0AB | 26 | 12 |
| | MAN-0740K0AB | 22 | 10 |
| | MAN-0740H0AB | 18 | 8 |
| | MAN-0740F0AC | 13~14 | 6 |
| | MAN-0740E0AC | 11~12 | 5 |

Gauge, Attachment

| Part name | Part No. | Remarks |
|------------------|---------------|------------|
| Edge guide | B9101-340-0A0 | — |
| Binder set plate | B9104-340-000 | For binder |



Edge guide

Pedal type lifter

| Part No. |
|-----------------|
| 214-33404 |
| SM-6051602TP |
| 214-33503 |
| SM-6051552TP×2 |
| B8133-019-000×2 |
| 26037903 |



Suspended ruler H152

| Part No. |
|----------------|
| MAH-152010A0 |
| SS-7151610SP×2 |
| WP-0621016SD×2 |
| WS-0610002KN×2 |

3-pedal unit PK70

Part No. GPK-700010A0
(for LS-1342-7)
Highly operable 3-pedal unit for standing work.



Pneumatic auto-lifter

| Model name | Type | Part No. | Switch type | | Air regulator | |
|-------------------------------|---------|----------|------------------|-------------------|---------------|----------|
| | | | Knee switch type | Pedal switch type | Not provided | Provided |
| LS-1340 LS-1341 LS-1342 | AK-147A | 40103185 | ○ | — | ○ | — |
| | AK-147B | 40103186 | — | ○ | ○ | — |
| | AK-147C | 40103187 | ○ | — | — | ○ |
| | AK-147D | 40103188 | — | ○ | — | ○ |
| LS-1342-7 | AK-147E | 40103189 | — | ○ | ○ | — |

Automatic reverse feed device

| Model name | Part No. | Remarks |
|---------------------|----------|-----------------------------|
| LS-1340, 1341, 1342 | 40103190 | Provided with air regulator |

* To use pneumatic auto-lifter and reverse feed function in combination with a machine that is without automatic thread trimmer, select AK147A or AK147B.

Instantaneous change-over device for the alternate vertical movement amount (DL device).*

| Model name | Part No. | Remarks |
|------------|----------|---|
| LS-1342 | 40103191 | Accessories set containing [DL-26A + Automatic reverse feed function + AK-147E] |
| | 40103192 | [DL-26B] for installed after the setup of the machine |

* The DL device cannot be used alone. It must be used in a set together with the automatic reverse feed function and AK-147E.

* To mount the DL device to a machine provided with auto lifter and automatic reverse feed function, the DL-26B should be purchased separately.

Combination of optional devices

| Model name | Combination | Pneumatic auto-lifter | Automatic reverse feed function | DL device |
|-------------------------------|---|--|---------------------------------|----------------------|
| LS-1340 LS-1341 LS-1342 | Automatic reverse feed function | — | ○ | — |
| | Pneumatic auto-lifter | AK-147C | — | — |
| | | AK-147D | — | — |
| | Pneumatic auto-lifter+ Automatic reverse feed function | AK-147A | ○ | — |
| AK-147B | | ○ | — | |
| LS-1342 | Pneumatic auto-lifter+ Automatic reverse feed function+ DL device | AK-147B | ○ | DL-26B |
| | | Accessories set containing [AK-147E+ Automatic reverse feed function+DL-26A] | | |
| LS-1342-7 | Pneumatic auto-lifter+ Automatic reverse feed function+ DL device | AK-147E | Provided as standard | Provided as standard |

SPECIFICATIONS

| Model name | LS-1340 | LS-1341 | LS-1342 | LS-1342-7 |
|---|--|--------------------------------------|---|-----------|
| Gauge type | Standard | | For small articles | |
| Max. sewing speed | 2,000sti/min | | 2,500sti/min | |
| Max. stitch length | 6mm(Normal/Reverse feed) | | | |
| Needle bar stroke | 36mm | | | |
| Lift of the presser foot | By hand: 9mm, By knee: 16mm | | | |
| Thread take-up | Slide type | | | |
| Amount of alternating vertical movement | 2.5~6.5mm | | 1~6.5mm | |
| Hook | Vertical-axis standard hook | Vertical-axis 1.6 fold-capacity hook | | |
| Needle (at the time of delivery) | 135×17 (Nm140) Nm100~Nm180 | 135×17 (Nm160) Nm100~Nm180 | | |
| Thread | #50~#8, B33~B92, Nm=120/3~30/3 | #40~#5, B33~B138, Nm=90/3~20/3 | #30~#5, B46~B138, Nm=60/3~20/3 | |
| Safety mechanism | Provided as standard | | | |
| Lubrication | Centralized oil wick lubrication (hook: by an oiler) | | | |
| Lubricating oil | JUKI New Defrix Oil No.2 (equivalent to ISO VG32) | | | |
| Distance from needle to machine arm | 255mm | | | |
| Cylinder-bed diameter | φ 72mm | | | |
| Weight of the machine head | 37.5kg | | 40kg | |
| Automatic reverse feed function | Option | | Provided as standard | |
| Power requirement | — | | Single-phase 100~120V, 200~240V 3-phase 200~240V | |

*"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.

[Without automatic thread trimmer]

[With automatic thread trimmer]

LS134

LS134270B

| Specification | Code |
|--|------|
| Vertical-axis standard hook | 1340 |
| Vertical-axis 1.6 fold-capacity hook | 1341 |
| Vertical-axis 1.6 fold-capacity hook / Gauge for small articles* | 1342 |

| Specification | Code |
|---|------|
| Vertical-axis 1.6 fold-capacity hook / Gauge for small articles | 1342 |

| Pneumatic auto-lifter | Code |
|----------------------------|------|
| Not provided | |
| Pedal switch type (AK147B) | B |

* For the LS-1342, a servomotor or motor with an electronic stop mechanism should be used. (Speed control is required.)

● To order, please contact your nearest JUKI distributor.



JUKI CORPORATION HEAD OFFICE

Juki Corporation operates an environmental management system to promote and conduct the following as the company engages in the research, development, design, sales, distribution, and maintenance of industrial sewing machines, household sewing machines, industrial robots, etc., and in the provision of sales and maintenance services for data entry systems:

- (1) The development of products and engineering processes that are safe to the environment
- (2) Green procurement and green purchasing
- (3) Energy conservation (reduction in carbon-dioxide emissions)
- (4) Resource saving (reduction of papers purchased, etc.)
- (5) Reduction and recycling of waste
- (6) Improvement of logistics efficiency (modal shift and improvement of packaging, packing, etc.)

JUKI

JUKI CORPORATION
SEWING MACHINERY BUSINESS UNIT

2-11-1, TSURUMAKI, TAMA-SHI,
TOKYO 206-8551, JAPAN
PHONE : (81) 42-357-2254
FAX : (81) 42-357-2274
http://www.juki.com

* 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 soyink on recycle paper.