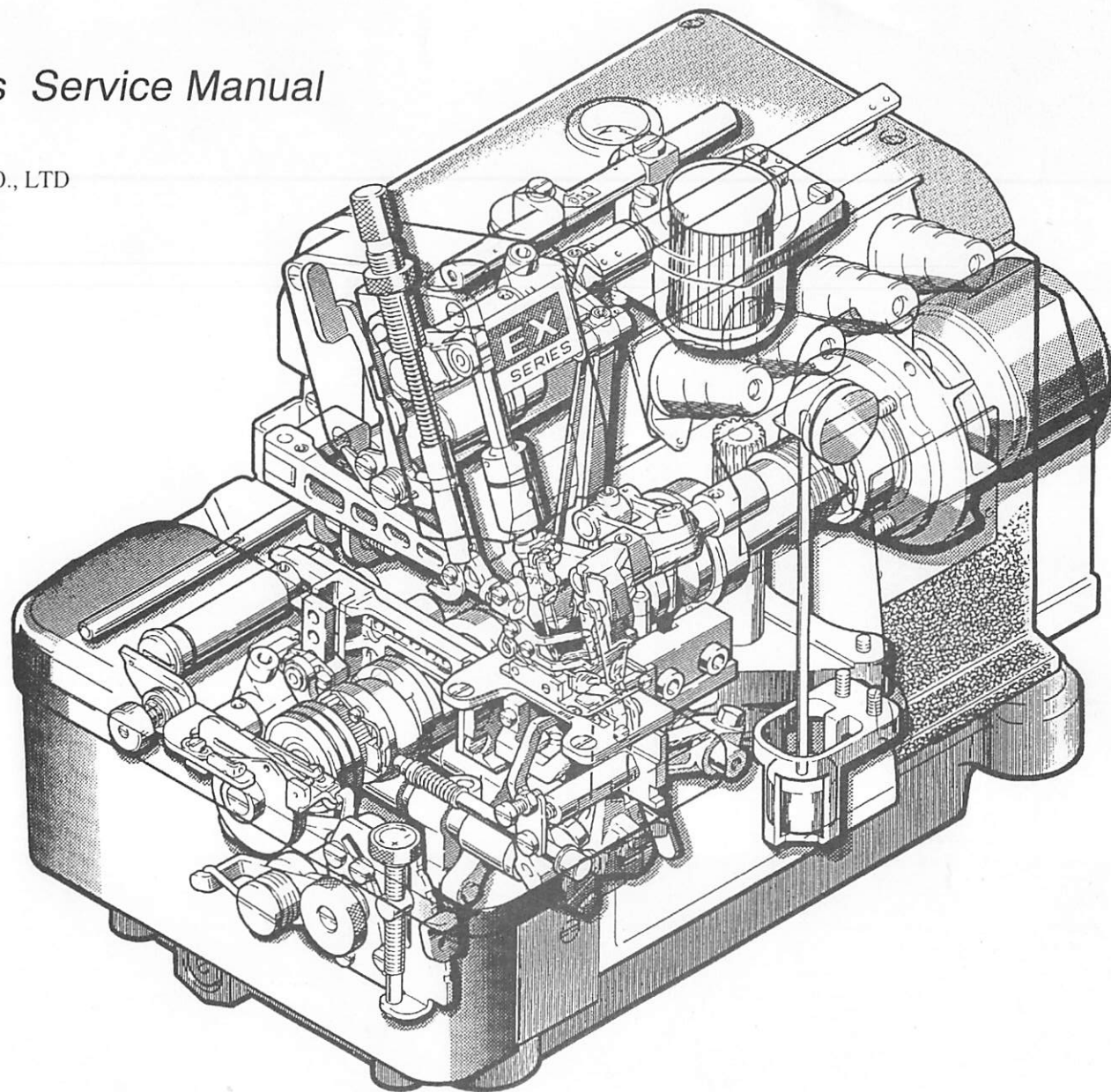


# EX Series Service Manual

First Printing December 1991

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Cat. No. 9627

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# EX Series Service Manual

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## ■ What has the **EX** Series been developed for?

### ● To offer better sewing performance (stitch formation)

Solves the problems in sewing light weight fabrics

Provides the same excellent sewing performance on medium weight fabrics as the previous E Series

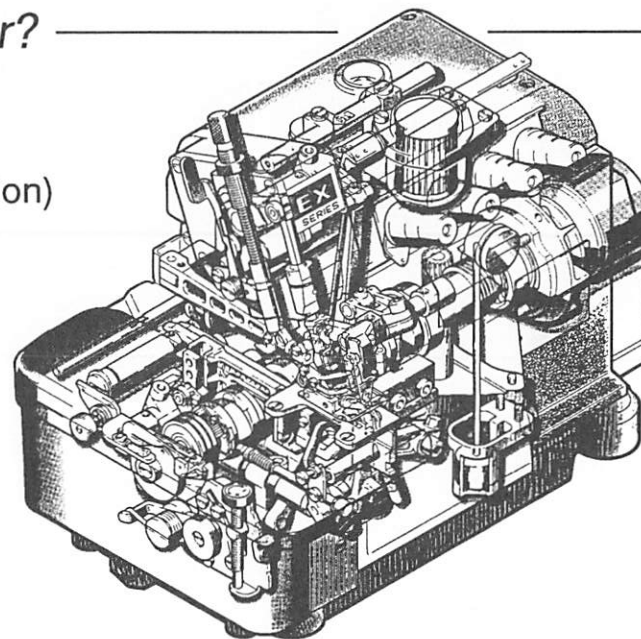
### ● To improve functionally

Offers ease of operation

Offers ease of maintenance

Parts to be adjusted have been reduced to minimum and the machine requires only external adjustment.

The alignment mark that replaces the scale in making an adjustment provides rational maintenance.



## ■ Sales points

### 1. Provides so smooth and beautiful stitches

The EX Series came out of the thorough research on varying thread tensions, relationship between the needle and the looper, balance between the thread take up timing and amount, the effects the material and the shape of each component part would have on the seam. These efforts are represented by many new features and designs that enable the EX Series to sew smoothly even extra light as well as medium weight fabrics.

### 2. Offers the ease of operation

Whether the operation is easy or not affects not only the operator, but also the quality of the sewn products and the productivity. Knowing what is expected of the machines based on the unique concepts of workers first and foremost and hands-on experience with sewing operation, Pegasus has launched the EX Series which is as easy-to-use machines as possible and performs accurately without sacrificing their being quite high-precision machines. You will surely appreciate how carefully the EX Series is designed every time you perform any operation like threading, thread tension adjustment, sewing and needle replacement.

### 3. Offers the ease of maintenance

Parts to be adjusted have been reduced to minimum and the machine requires only external adjustment. The alignment mark that replaces the scale in making an adjustment provides rational maintenance.



## Comfortable

### ● Noise reduction

We have succeeded in minimizing noise and vibration compared to those of conventional Pegasus' or competitors' machines, considering what little noise there is left much less of nuisance. This offers a gentle and quiet working environment which is so vital for operators.

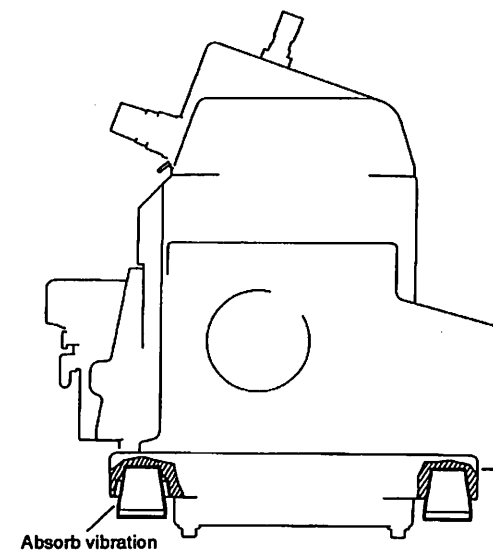
### ● Nice and gentle design

The simple and compact design and the sand beige color that lights up and is gentle to your eyes all came out of the pursuit of easier operation in which the operator can get along well with the machine like good friends.

### ● Minimal table vibration

A little clearance has been provided between the front installation cushion rubber on the mounting plate of the machine table and the installation holder to the machine on the oil pan to absorb vibration.

The rear installation holder to the machine is of the same design as the conventional one so that it can be used for positioning.

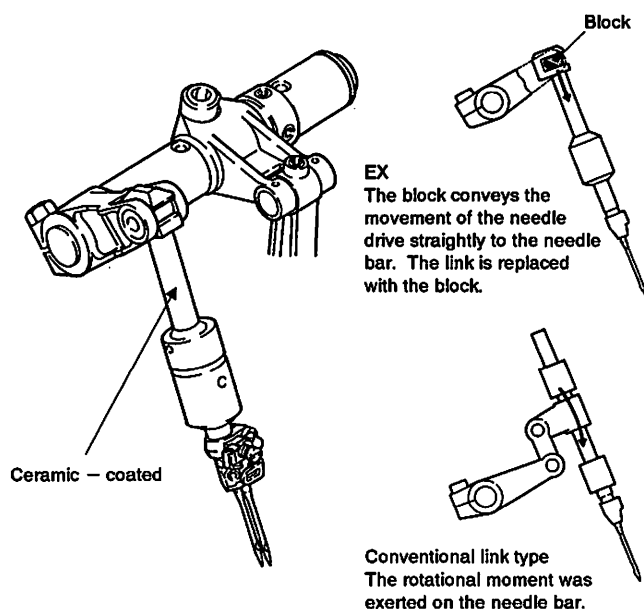


## New features

### ● Direct drive needle bar mechanism

The L Series needle bar has a needle drive crank linked to the needle bar converting the circular motion into vertical motion. The center of the needle bar does not align with where it is linked to the crank, so that the needle bar is subject to the force caused by the circular motion.

The EX Series adopts the direct drive needle bar mechanism. The needle drive crank directly drives the needle bar to move vertically without using the link. The block mounted on the top of the needle bar absorbs the circular motion of the crank so that the force will always exert vertically on the needle bar center. This is a very important new feature that allows for high speed operation of the EX Series.



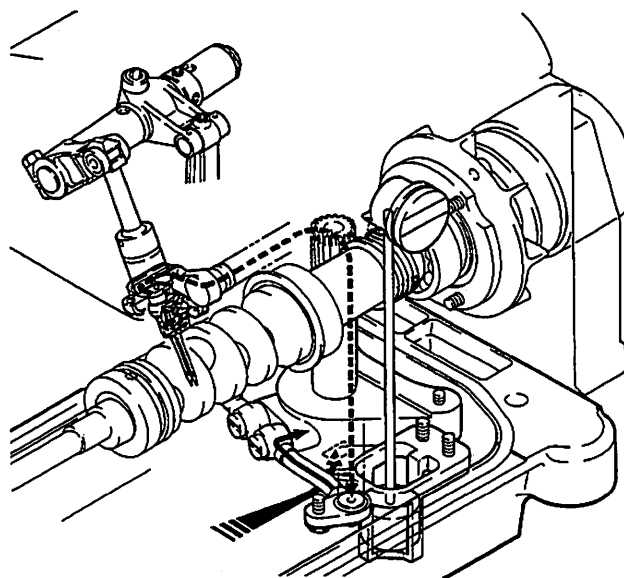
### Wear reduction

The needle bar is ceramic-coated. Ceramic is a sort of porcelain about 2.5 times as hard as those hard chrome-coated. Ceramic-coating technology treats the surface with ceramic.

### ● Hermetically sealed needle bar mechanism

(The oil draining is forcibly executed.)

The EX Series is provided with a hermetically sealed needle bar mechanism. Prevents dust from entering around the needle bar and keeps itself from being contaminated with oil, thus extending machine life. This new feature achieves the force-feed lubrication and drainage system.

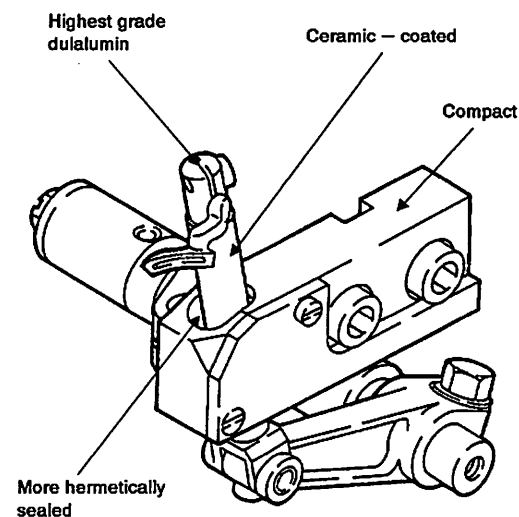


### ● New type upper looper mechanism

Compact new upper looper holder (the same as on E51, S Series) increases ease of threading or adjusting the looper.

### Improved upper looper life

The upper looper holder is ceramic-coated.



## New features

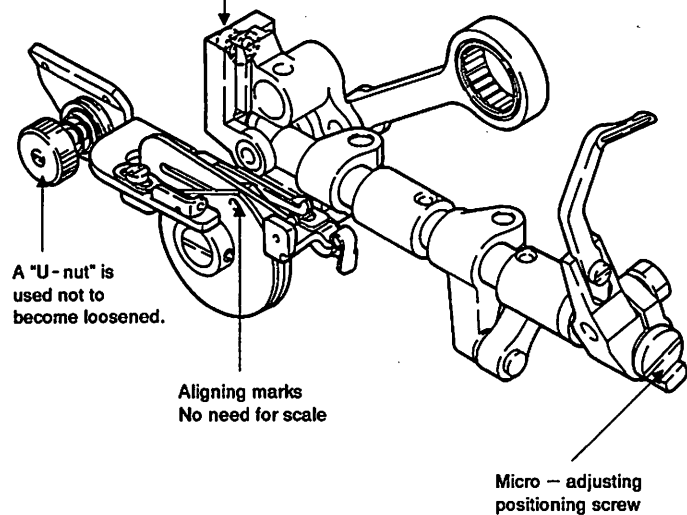
### ● New double chainstitch looper mechanism

The EX Series introduces the looper front - to - back crank that eliminates the need for the looper drive shaft front - to - back positioning.

A " U - nut " is used as the double chainstitch thread tension nut to prevent from loosening.

U - nut \*\*\*Nut loaded with a washer not to allow itself to be loosened by the machine vibration.

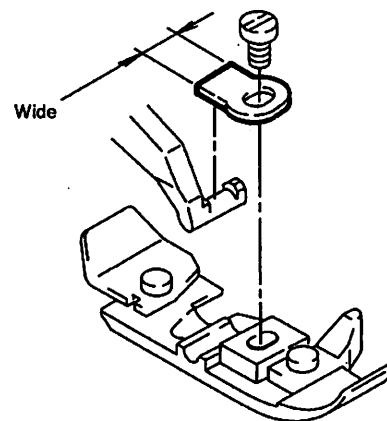
The avoiding motion can be easily adjusted with the eccentric pin from the outside of the machine.



### ● New type flat spring

(Overedgers)

The flat spring has been made wider (5mm) to reduce its wear.



### ● Additional feature

The cloth plate front - to - back adjustment can be made with the eccentric cloth plate pin.

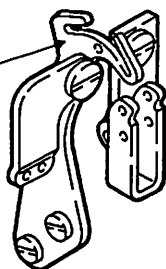
## Smooth and beautiful stitches

### ● New thread take-up mechanism

On the conventional machines a fine and difficult re-adjustment of each thread guide is needed to obtain the correct stitch formation according to the quality and size of the thread to be used. But on the EX Series the correct stitch formation can be easily produced only by adjusting the needle thread tension knobs.

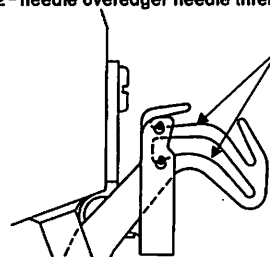
EX5200 Series  
(Overedger)

No need for  
adjusting the  
needle thread  
take-up.

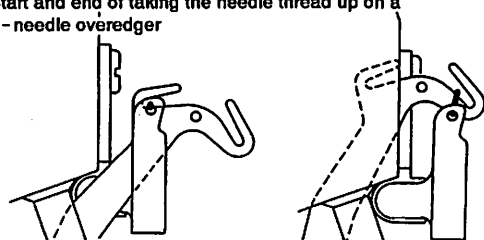


2-needle overedger needle thread take-up

Takes two threads up on a  
2-needle overedger.

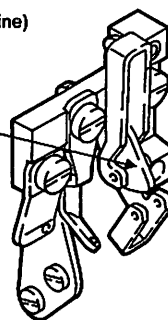


Start and end of taking the needle thread up on a  
1-needle overedger

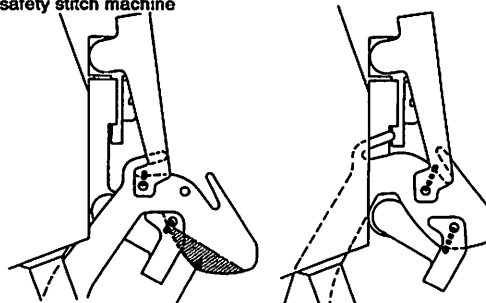


EX3200 Series  
(Safety stitch machine)

No need for  
adjusting the  
needle thread  
take-up.



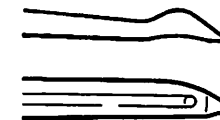
Start and end of taking the needle thread up on a  
safety stitch machine



New double chainstitch  
thread take-up

### ● New loopers

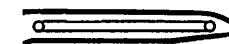
New lower looper prevents the needle thread breakage on the cross seam section while obtaining the correct needle thread tightening. See the newly-designed looper point.



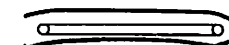
EX Series lower looper



Conventional type of  
lower looper



EX Series  
double chainstitch looper



Conventional type of  
double chainstitch looper

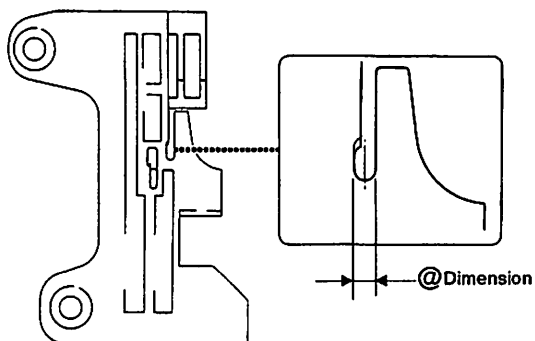
## Smooth and beautiful stitches

### ● New type of needle plate

Using not only the proper needle but also the proper needle plate (needle drop) is very important to produce smooth and beautiful stitches on extra - light weight fabrics to extra - heavy weight fabrics. Four types of needle counts are available for the EX Series.

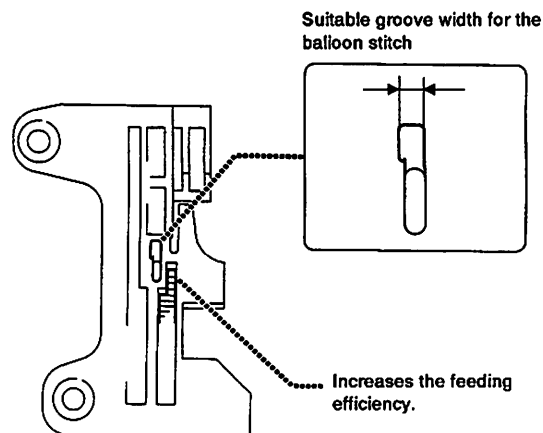
The right needle count. The right needle plate.

Needle count	Type	@ Dimension
#8-#11	P	1.0mm
#8-#14	R	1.2mm
#15-#18	S	1.8mm
#19-#21	T	1.8mm



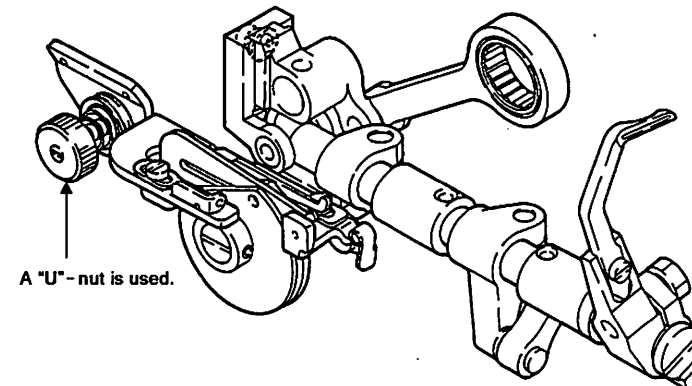
### ● Needle drop groove for the balloon stitch

Double chainstitch looper thread should be drawn smoothly to produce soft and gentle double chainstitches (balloon stitches). Thanks to the groove specially designed at the end of the double chainstitch needle drop, the EX Series enable the balloon stitches to be produced ideally and beautifully.



### ● A "U" - nut is used as the double chainstitch thread tension knob.

The thread tension knob tends to get loosened because the double chainstitch thread tension pressure is very light. The EX Series adopts a U - nut to prevent the thread tension knob from loosening.





## Smooth and beautiful stitches

### ● New presser foot mechanism

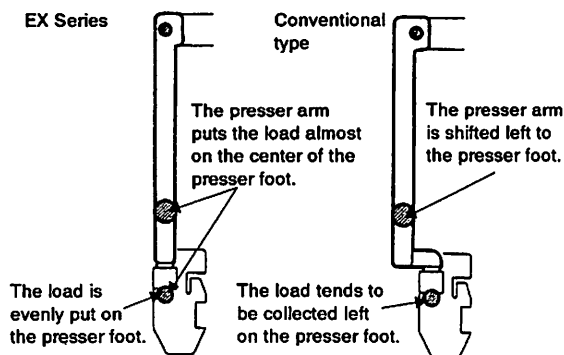
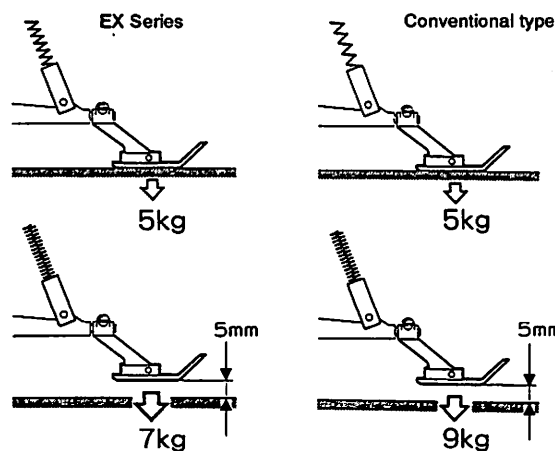
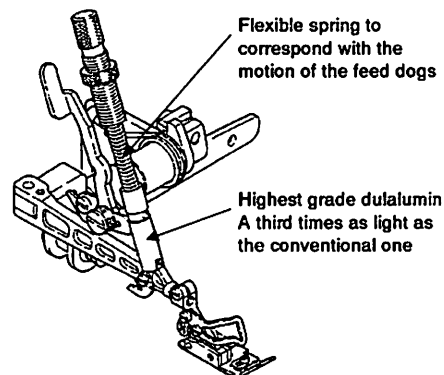
Keeps the presser foot from jumping. The more lightened presser bar mechanism with its flexible spring (reduced inertial mass) minimizes the jumping motion of the presser foot and increases the correspondence with the motion of the feed dog, so that the presser foot can perform properly and feed the fabric evenly.

#### ※ What is the jumping.

The feed dogs keeps jumping the presser foot up to be floated over the material on the high speed machine, so that correct presser foot pressure cannot be obtained to feed the fabric properly. Too much pressure, however, will cause garments to be damaged.

Prevents uneven seam width.

The presser arm is linked directly to the presser foot, so that the pressure puts on the fabric evenly, thus feeding the fabric uniformly to prevent uneven seam width.



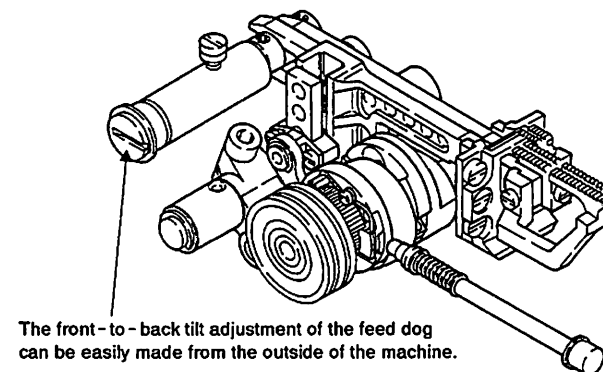
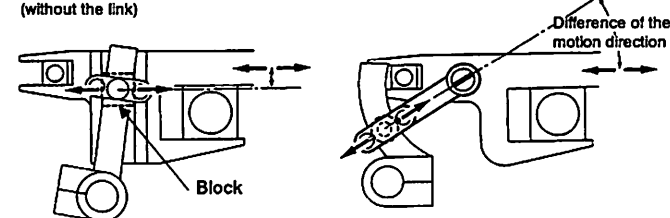
### ● Direct drive feed mechanism

Prevents the differential feed dog from overthrowing. On the the conventional type the link is used to connect the differential feed crank with the differential feed bar and change from the circular motion to the front - to - back motion. This means there is the difference between the load direction and the differential feed bar motion direction, so that the rotational moment is exerted to produce the lack of the hardness, thus causing overthrow.

The direct drive feed mechanism has been adopted on the EX Series. The differential feed crank directly drives the differential feed arm front - to - back using the block to absorb the circular motion on the connecting area. Overthrow has been eliminated.

**EX Series**  
The differential feed crank directly drives the differential feed arm front - to - back (without the link)

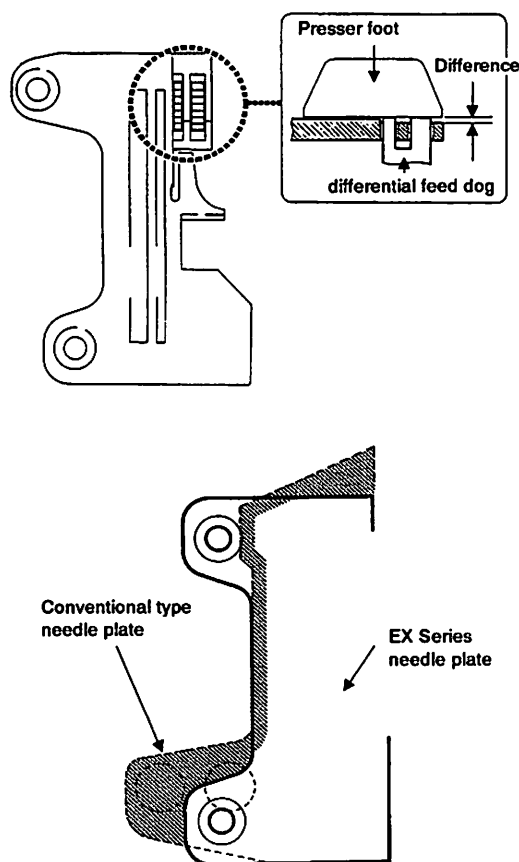
**Conventional type (Link type)**  
The rotational moment is exerted to produce the lack of the hardness.



## Smooth and beautiful stitches

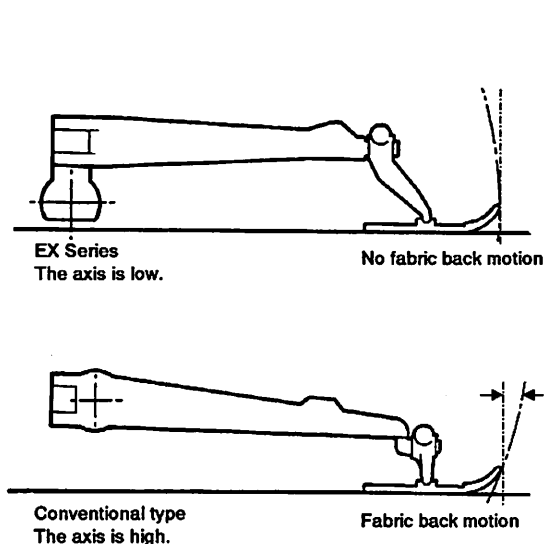
### ● New type of needle plate

A little difference in level has been adopted on the chaining land area. The auxiliary feeding efficiency has been increased without causing fabric and seam damage.



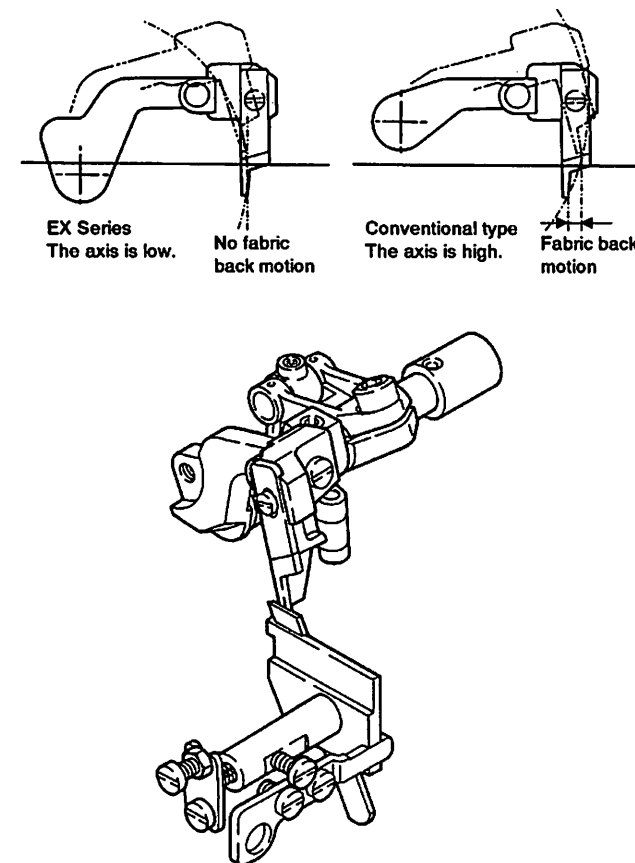
### ● Prevents the presser foot from moving the fabric back.

The lowered axis of the presser foot arm shaft has eliminated the fabric back motion with the presser foot lifted and pushed out.



### ● New knife drive mechanism

The lowered axis of the upper knife holder has eliminated the fabric back motion with the upper knife lifted and pushed out.

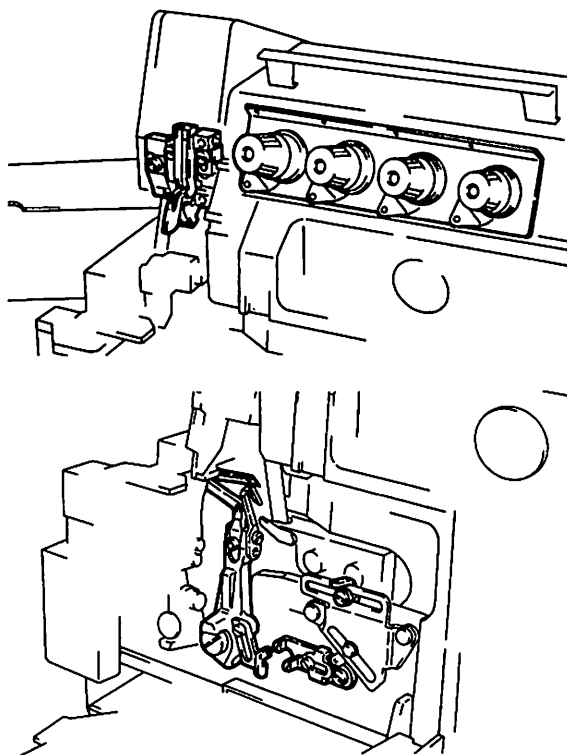


## Ease of operation

### ● Easy threading

With the introduction of the hermetically sealed needle bar mechanism, nothing obstructs the job of threading such as the needle holder guide shaft. And the thread tension mechanism, the needle thread guide and the thread take-up through which the thread passes are all smoothed out to thread easily.

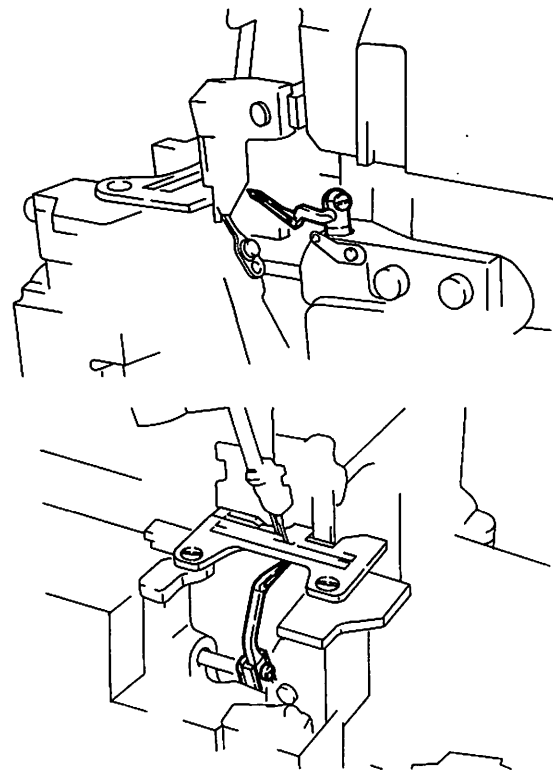
The compact upper looper holder removes the unevenness with the upper looper to thread the upper looper easily.



With the introduction of the compact needle plate mounting bracket accompanied by the change of the needle plate position and the review of the positional relationship between the lower looper and the double chainstitch looper, ample space can be provided around the needle plate. So threading the lower looper or double chainstitch looper and cleaning them has been made easier.

Note).

Since the parallelism between the upper knife and lower knife is established at the factory, do not loosen the screws securing the needle plate mounting bracket.



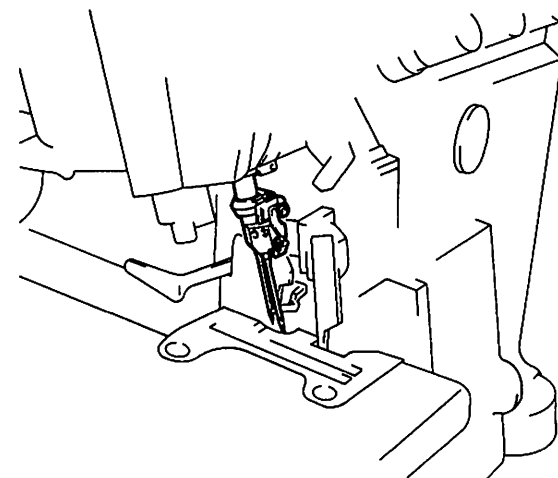
### ● Easy needle replacement

The needle holder guide (needle) of the E series moves up and down guided by the needle holder guide shaft.

The EX Series introduces the direct drive needle bar mechanism to directly drive the needle bar up and down. This leaves nothing that would obstruct needle replacement such as the needle holder guide shaft.

### ● Remarks

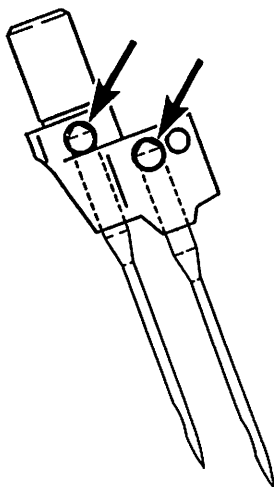
The screws used on the EX Series are metric screws. Make sure that the red handle wrench should be used for the needle holder screw.



## ■ Ease of operation

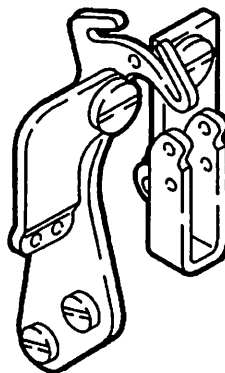
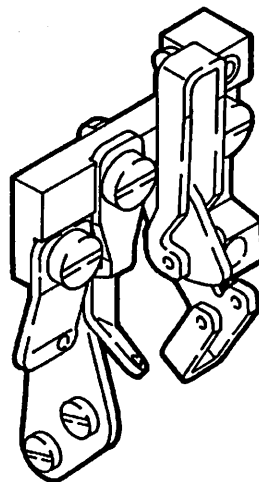
### ● Cleaning the needle positioning hole on the needle holder has been made easier.

A hole that passes through to the needle positioning hole has been provided on the side of the needle holder, thus making it easier to clean the needle positioning hole, and possible to check that the needle is all the way inside.



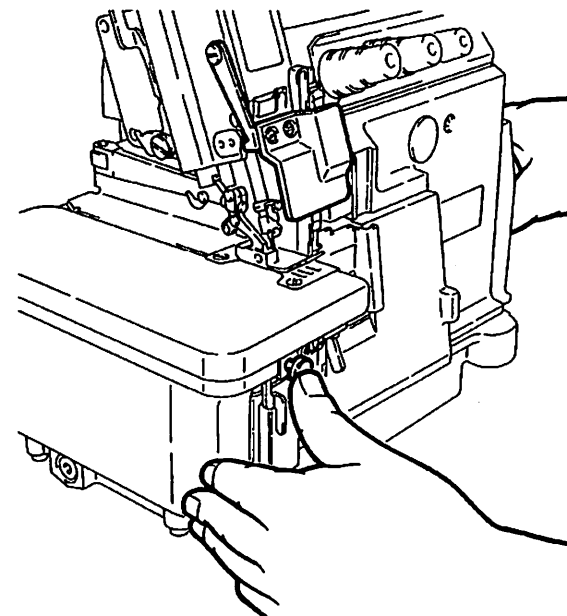
### ● Easy stitch formation adjustment with different threads

Can easily obtain the correct stitch formation with the thread tension pressure adjustment after changing the thread.



### ● Easy stitch length adjustment

Introduces a pushbutton stitch length adjustment that can be made without opening the cloth plate. And the pulley torque has been reduced to make a light adjustment.

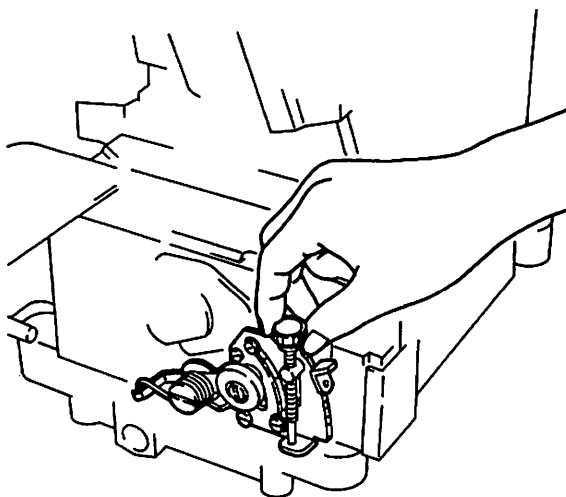


## Ease of operation

### ● Easy differential feed adjustment

More space is allowed around the differential feed adjustment knob than on the E Series.

While the design has been made simpler, the positional relationship between the differential adjustment lever and the bar (knob) has been modified to make a light and fine adjustment.

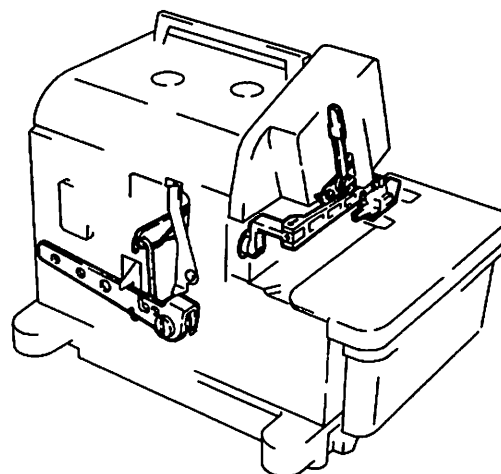


### ● Light pedal operation to lift the presser foot

The connecting rod position is adjustable to achieve optimum pedaling force under various circumstances that require prompt action, smooth operation, or the use of PL.

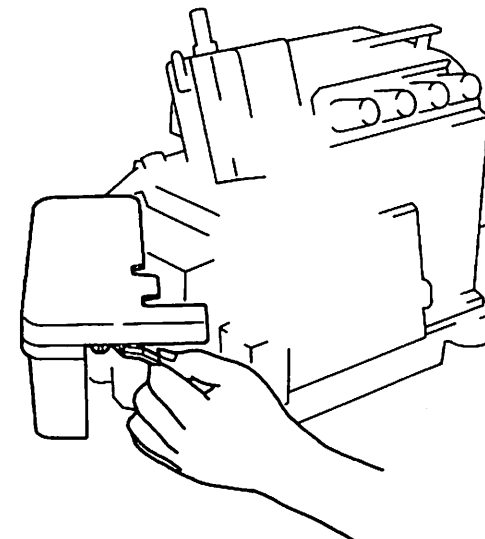
### ● Light manual lever operation to lift the presser foot

The manual lever to lift the presser foot has been made longer to provide a lighter operation. (same for the ES1 type)



### ● Opening/closing the cloth plate by one hand

The cloth plate can be opened or closed with the lever on the cloth plate by one hand.

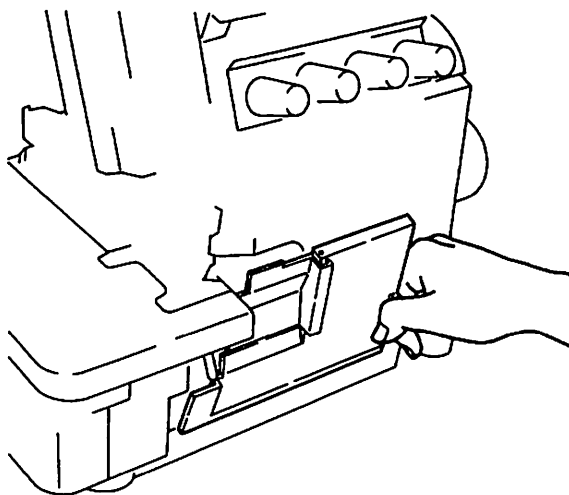




## Ease of operation

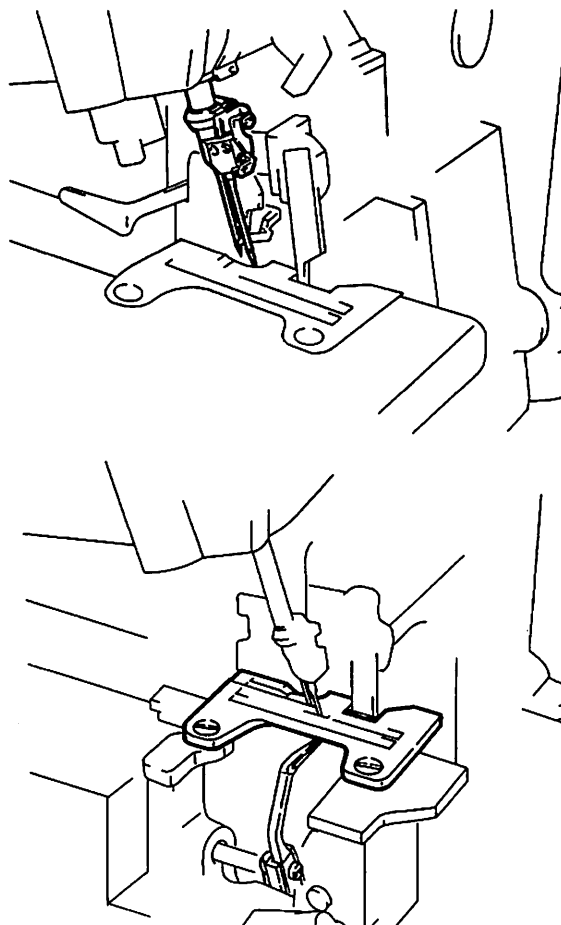
### ● Front cover can be opened easily.

Since the cover is a separate type, it is made possible to adjust the distance to the needle guard or the upper knife. Also can easily slide the cover to open or close with a knob on it.



### ● Easy cleaning

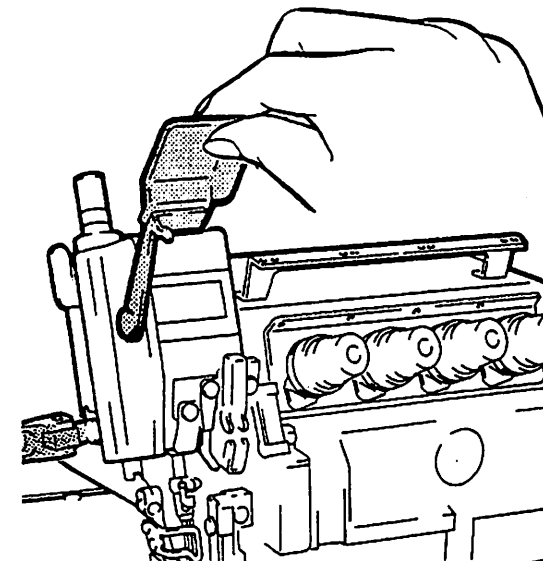
Modified needle plate and needle plate bracket provide more space around the needle plate and the lower looper. In addition, the hermetically sealed needle bar mechanism simplifies the adjacent area of the needle bar to clean gauge parts around easily.



### ● Eye guard can be opened wide.

The eye guard opens wide by one hand. The EH device can be installed without removing the eye guard.

Note that the eye guard cannot be used with the tape guide installed.



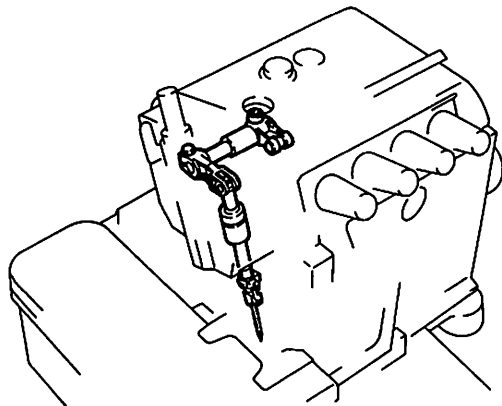
### ● Improved chute mounting position

The chute mounting angle has been changed for the chute to be clear of the knee. The top of the waste chute is incorporated into the chute itself to provide easy installation of this unit on the machine table.

## Maintenance

### ● Easy height adjustment of the needle bar

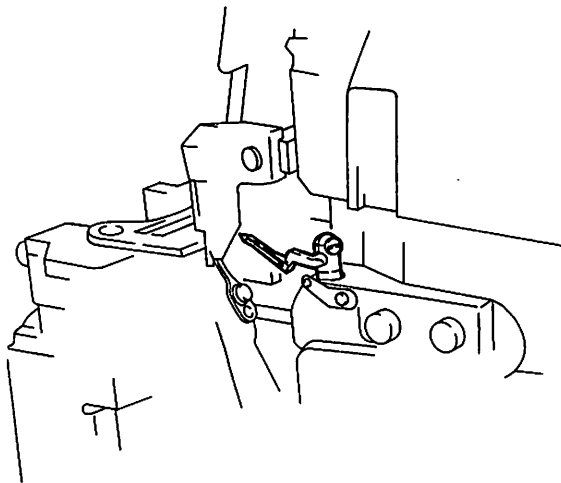
Can adjust the needle bar height adjustment screw from the lubrication port on the top cover by just taking off the rubber plug. No need to remove the top cover.



### ● Easy replacement of the upper looper

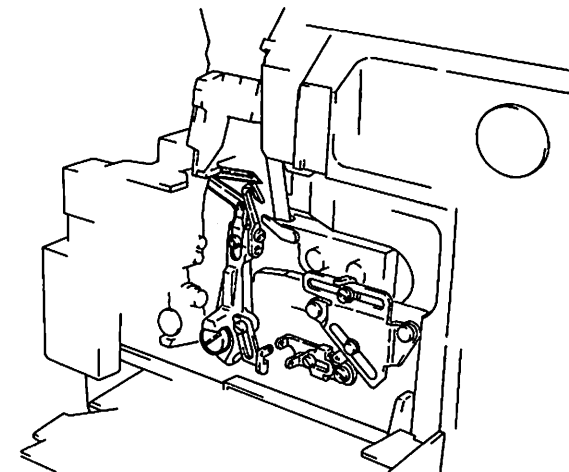
The upper looper inserted from the front can be replaced easily.

The upper looper can be adjusted properly where the upper looper and lower looper cross with each other.



### ● Easy front-to-back adjustment of the lower looper

The lower looper is of micro-adjusting type. Turning it clockwise can make the looper holder go inside, and counterclockwise come outside.



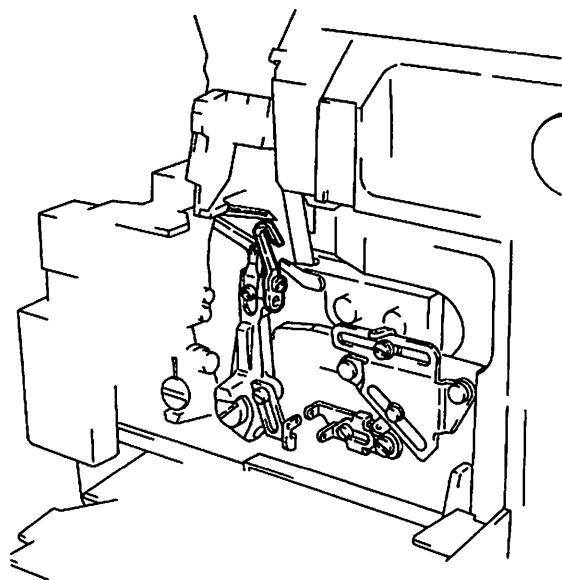
### ● Easy installation of the lower looper

## Maintenance

### ● Easy installation of the movable needle guard

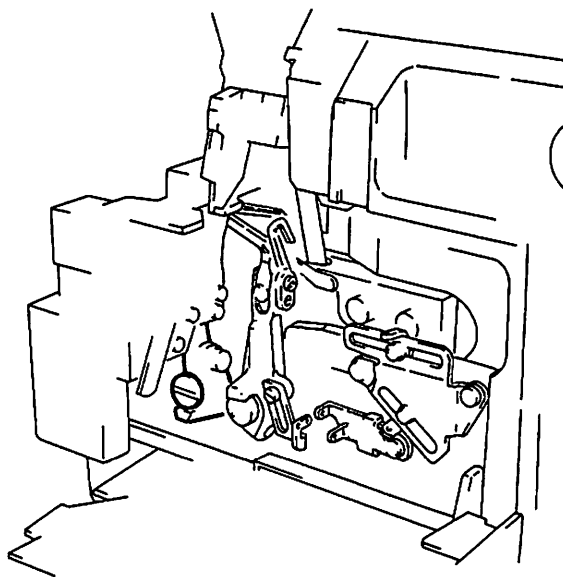
On the E Series a wrench was required to secure the movable needle guard, but the EX Series has introduced the compact upper looper holder and modified positional relationship between the upper looper and the lower looper holder to secure the movable needle guard with a screw driver.

The movable needle guard has been modified such that it can receive two needles evenly between the right needle and the left needle.



### ● Easy front-to-back adjustment of the double chainstitch looper

It is front-to-back micro-adjustable. Turning the front-to-back micro-adjustable screw clockwise can make the looper holder go inside, and counterclockwise come outside, thus providing easy and accurate front-to-back adjustment.

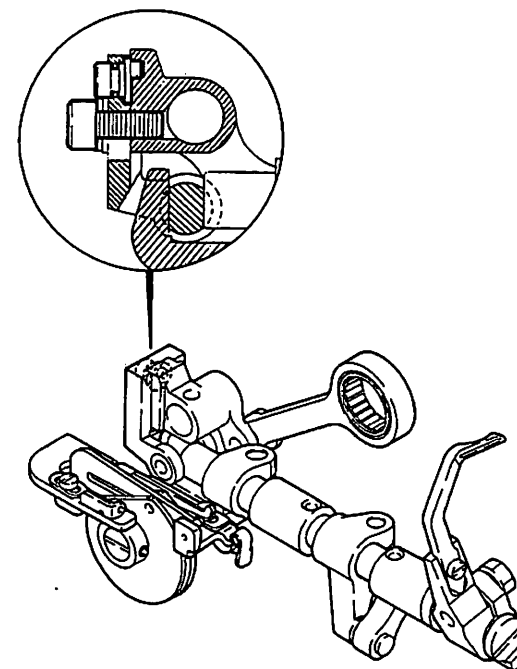


### ● Easy avoiding motion adjustment of the double chainstitch looper

The EX Series allows for an adjustment only by removing the cover plate.

Conventionally the avoiding motion adjustment has changed the front-to-back point of the needle thread loop where the looper enters, so it has required to make a front-to-back adjustment of the double chainstitch looper all over again. But on the EX Series this adjustment does not change the point of the needle thread loop where the looper enters, eliminating the need for the looper front-to-back adjustment.

To remove the cover plate, just loosen the screw securing the cover plate without taking it out completely.

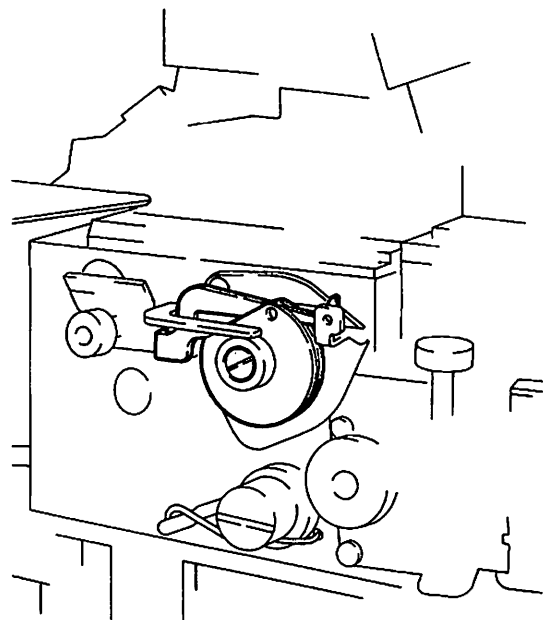


## Maintenance

### ● Easy double chainstitch looper thread take - up adjustment

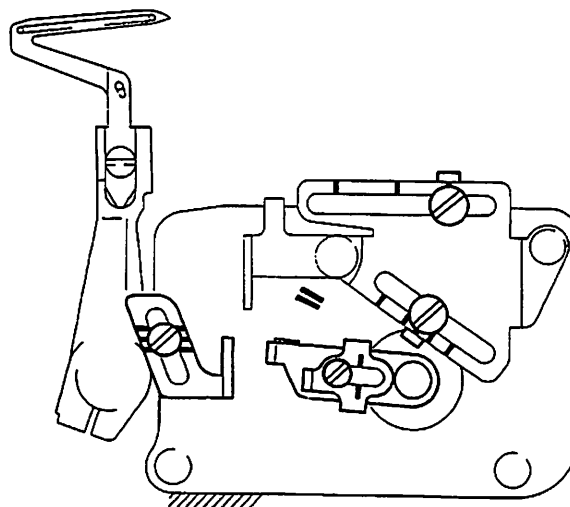
This adjustment can be made using the tally hole on the double chainstitch looper thread take - up. No scale is required.

To make this adjustment, all you have to do is align the bottom of the thread take - up hole with the top of the thread guide mounting bracket when the needle bar is at its highest position.



### ● Easy thread guide adjustment

With the alignment marks on the thread guide, this adjustment can be made without using any scale.



### ● No need for the front - to - back adjustment of the differential feed dog

The back stroke of the differential feed dog is set at the most frequently used stitch length of 2.4mm (11 stitches/inch), eliminating the need for the front - to - back adjustment.

## Maintenance

### ● Easy feed dog front-to-back tilt adjustment

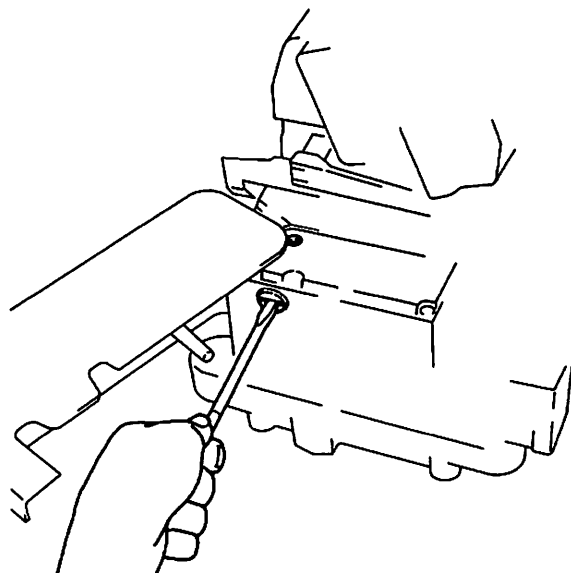
The feed dog tilt can be easily adjusted with the adjusting screw outside the machine without removing the top cover. Swing the cloth plate aside, loosen the lock screw and use a screw driver to make this adjustment.

### ● Minimizes the wear and tear of the lower

The lower knife holder can be separated from the machine bed, and the parallelism between the upper and lower knives is established precisely using the gauge at the factory to reduce wear while extending knife life.

### ● TK can be used with PL.

PL cannot be installed on the E Series with AT and TK. But the EX Series can be equipped with AT, TK and PL simultaneously.





## Maintenance

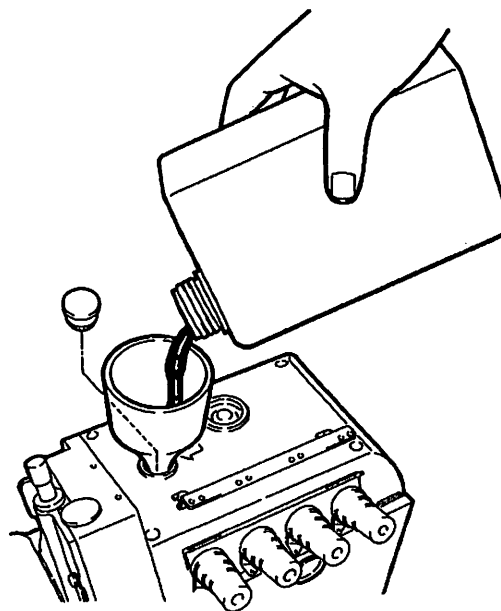
### ● Common parts for different work aids (KS, KH, TK)

The EX Series does not require the special needle plate and the cloth plate to use work aids (KS, KH, TK).

The needle plate and the cloth plate set at the factory can be used for all work aids. But make sure to replace the fabric guide.

### ● Easy lubrication

The circumference of the lubrication port has become larger. An easy-to-use rubber plug is adopted. And also the bottom opening of the oil funnel has become larger to easily lubricate.



# Description of the EX Series Codes

Codes

**B**

EX Series

(Example) **EX52 04 - 0 3 / 2 3 3**

Model	Stitch type	Application	Fabric weight	Sewing capacity	Row of feed dogs	Pitch of feed dog teeth
EX32=Safety stitch machine	11=101	0=Plain seaming	1=Extra-light~Light	1=4 × 4mm	1=1-row standard	0=Rubber
EX52=overeger	41=401	1=Blindstitch hemming	2=Light~Medium	2=5 × 5mm	2=2-row standard	1=1mm
	03=503	2= Serging	3=Medium~Heavy	3=6 × 6mm	3=3-row standard	2=1.25mm
	04=504	3=Turn-up/down hemming	4=Heavy~Extra-heavy	4=7 × 7mm	4=4-row standard	3=1.6mm
	05=505	4=Shirring	5=Extra-heavy	5=10 × 10mm	5=5-row standard	4=2mm
	12=512	5=Tape attaching			6=1-row special	5=2.5mm
	14=514	6=Zipper attaching			7=2-row special	
	15=515	7=Toe closing			8=3-row special	
	16=516	8=Backlatching			9=4-row special	
	42=401+401	9=Versatile			0=5-row special	
	44=401+514	A=				
		B=				
		C=				

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First Printing December 1991  
EX Series Service Manual  
B. a. 0 - 001

From the library of: Superior Sewing Machine & Supply LLC

# Description of the **EX** Series auxiliary codes

auxiliary  
codes

**B**

EX Series

(Example) **EX5204** ○ — **03** ○ / **233** ○ — ○ ○

H=Ultra super high lift

L=Left hand head machine

◎ Different specifications from those of standard machines

◎ Diversified operations

A=With presser foot for tight curves

B=Automatic backlatching

C=Differential feed ratio

C2=1:2

C3=1:3

C4=1:4

E=Attaching elastic

H=Plain seaming, blindstitch hemming

M=Versatile

M1=504•505•BT

M2=504•505•514

P=Piping

P1=Without the binder

P2=With the binder

R=Turn-up/down hemming

R1=Wide turn-up/down hemming

R2=Narrow turn-up/down hemming

S=Shirring

S1=Without attachment

S2=With attachment

Z=Loaded onto an integrated sewing unit

◎ Partially different specifications

◎ Common codes for different machine

F=With floating presser arm

H=With flat knife

K=With angled knife

L=With chaining land

Gauge

Needle space × overedge width

Overedge width

N or W indicates the cloth plate that is different from the standard specification.

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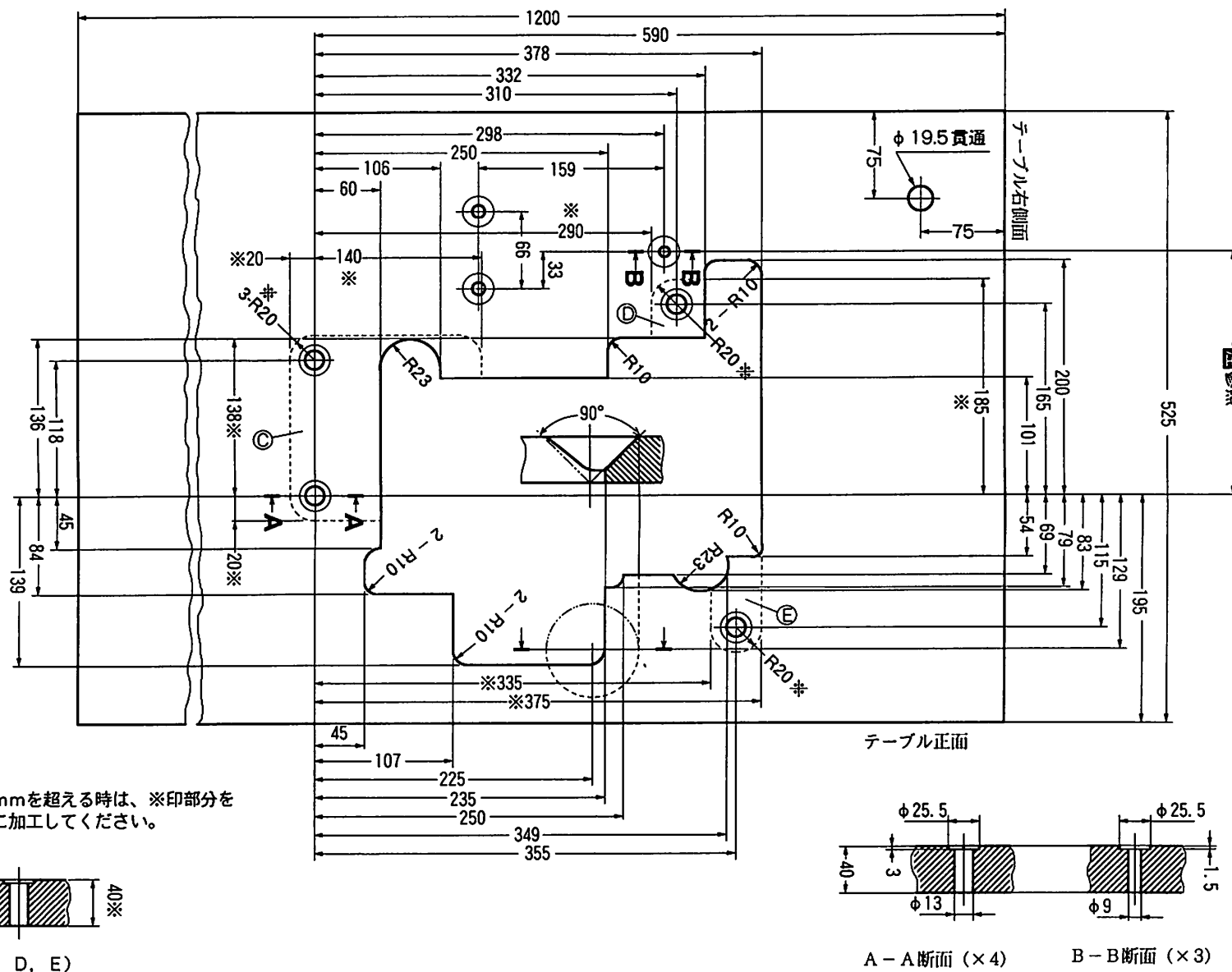
EX Series Service Manual

B. b. 0 - 001

From the library of: Superior Sewing Machine & Supply LLC

# ■ EX3200・5200series 半沈式テーブル加工図 (9A9027 - N1)

テーブル  
の加工図  
**C**  
EXシリーズ



PEGASUS.

First Printing December 1991  
EX series Service Manual  
C. a. 0 - 001

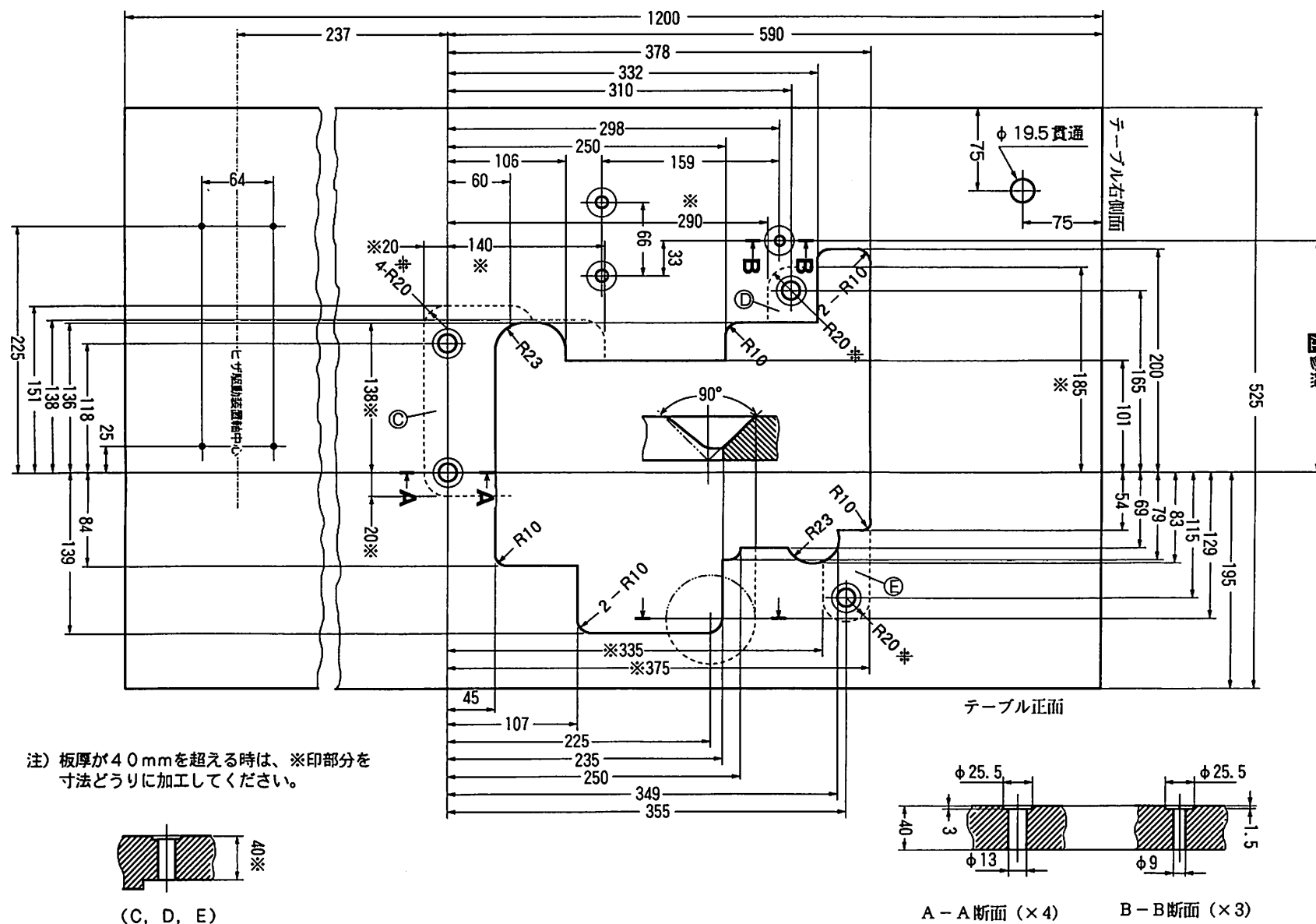
From the library of: Superior Sewing Machine & Supply LLC

# ■ EX5400series 半沈式テーブル加工図 (9A9034)

テーブル  
の加工図

C

EXシリーズ



●国産モーターに類するものの場合.....210mm  
●エフカ・クイックモーターに類するもの場合.....238mm

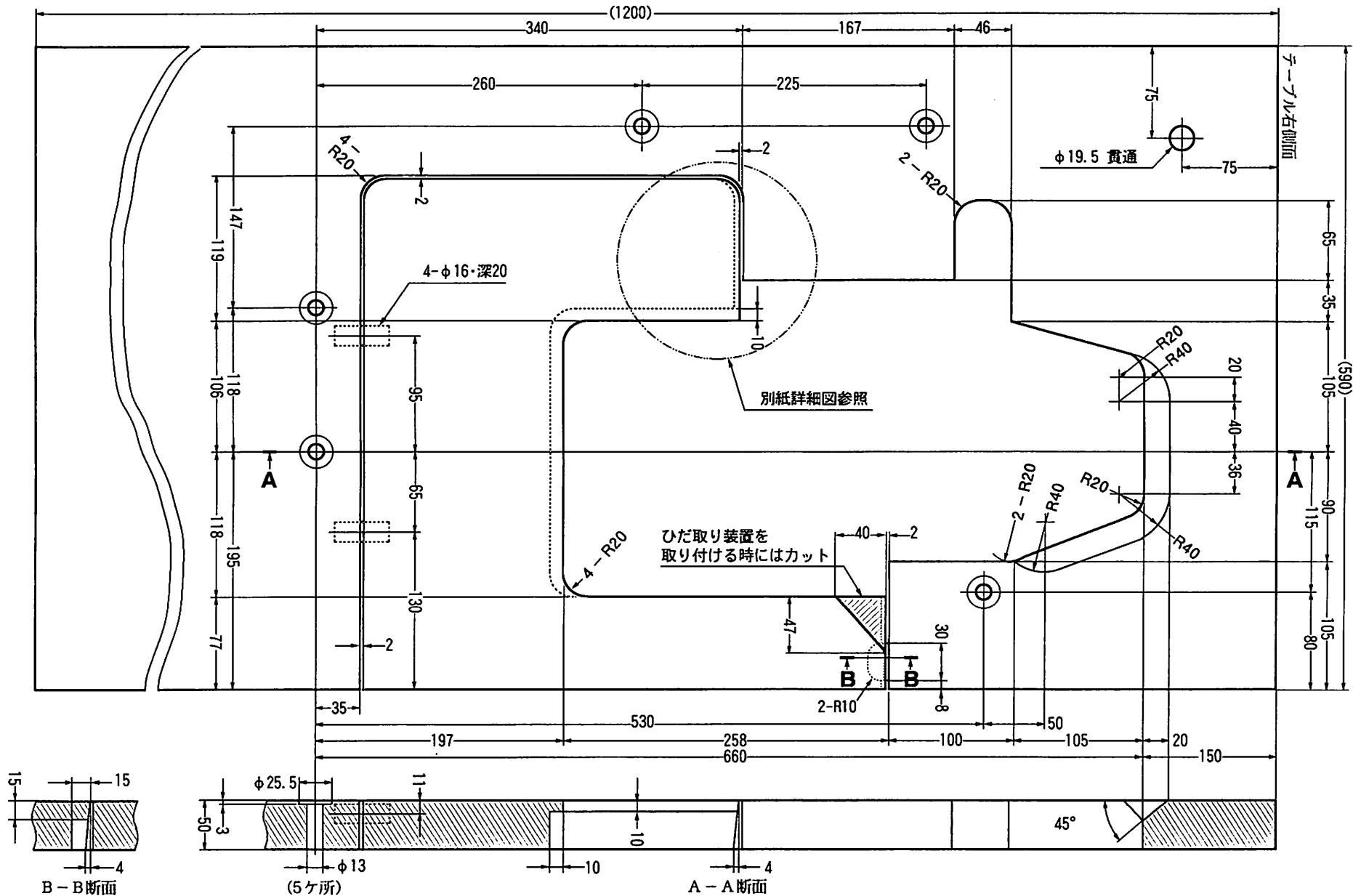
PEGASUS.

First Printing December 1991  
EX series Service Manual  
C. a. 0 - 002

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# EXseries 全沈式テーブルの加工図



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EX series Service Manual  
C. a. 0 - 003 - 1

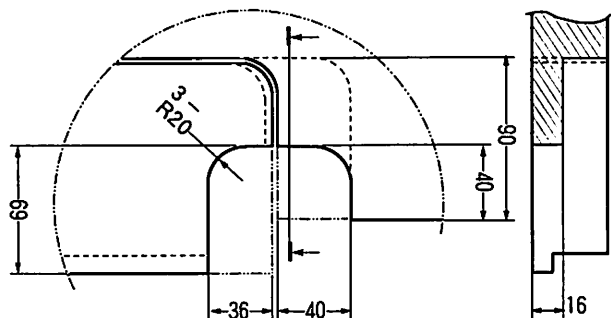
# ■全沈式テーブルの加工図 (詳細図)

テーブル  
の加工図

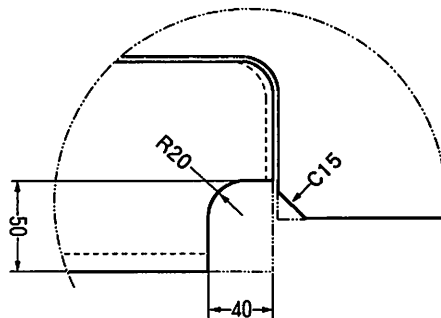
C

EXシリーズ

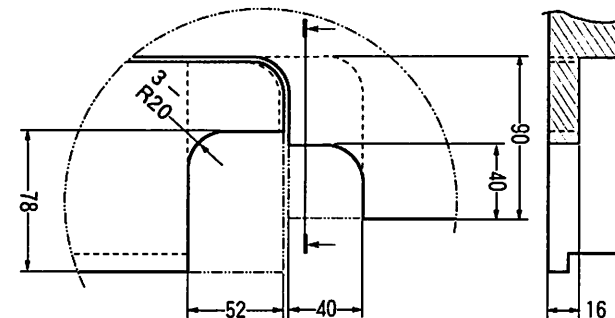
■TK020, 021, 120, 121  
AT120



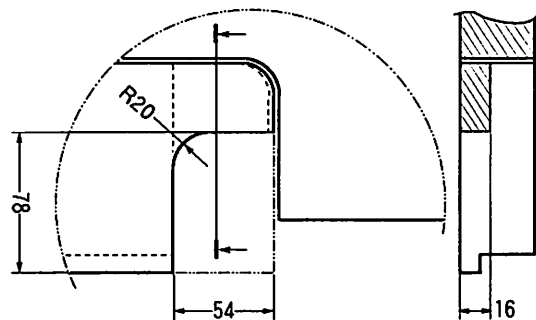
■TK022



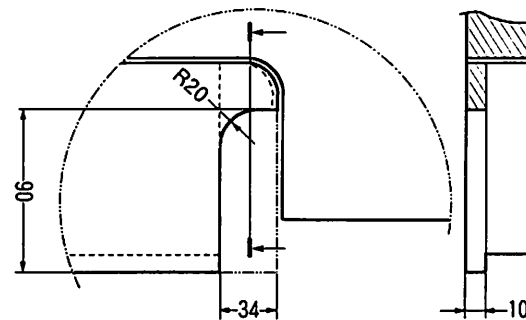
■AT121, 221, 204



■KH020A~E, H



■KS371~373



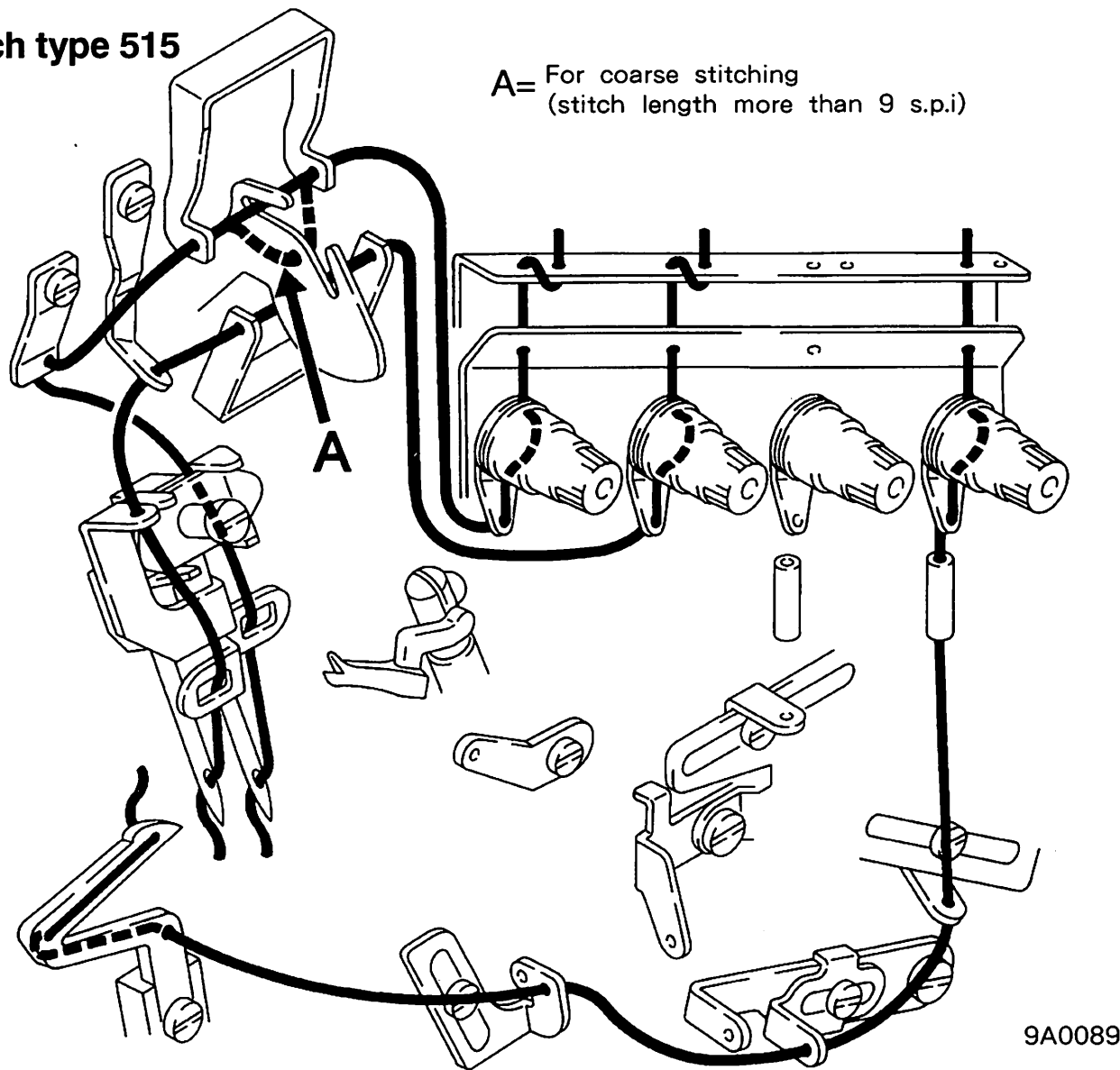
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First Printing December 1991  
EX series Service Manual  
C. a. 0 - 003 - 2

# EX3200 Threading (2 – needle)

## Stitch type 515

A= For coarse stitching  
(stitch length more than 9 s.p.i)



## Plain seaming

EX3215 – 01

EX3215 – 01A

EX3215 – 02

EX3215 – 02A

EX3215 – 03

## Shirring

EX3215 – 42

EX3215 – 43

Threading

**D**

EX 3200

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EX Series Service Manual  
D. a. 1 - 001

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# EX3200 Threading (2 – needle)

Stitch type 515

A= For coarse stitching  
(stitch length more than 9 s.p.i)

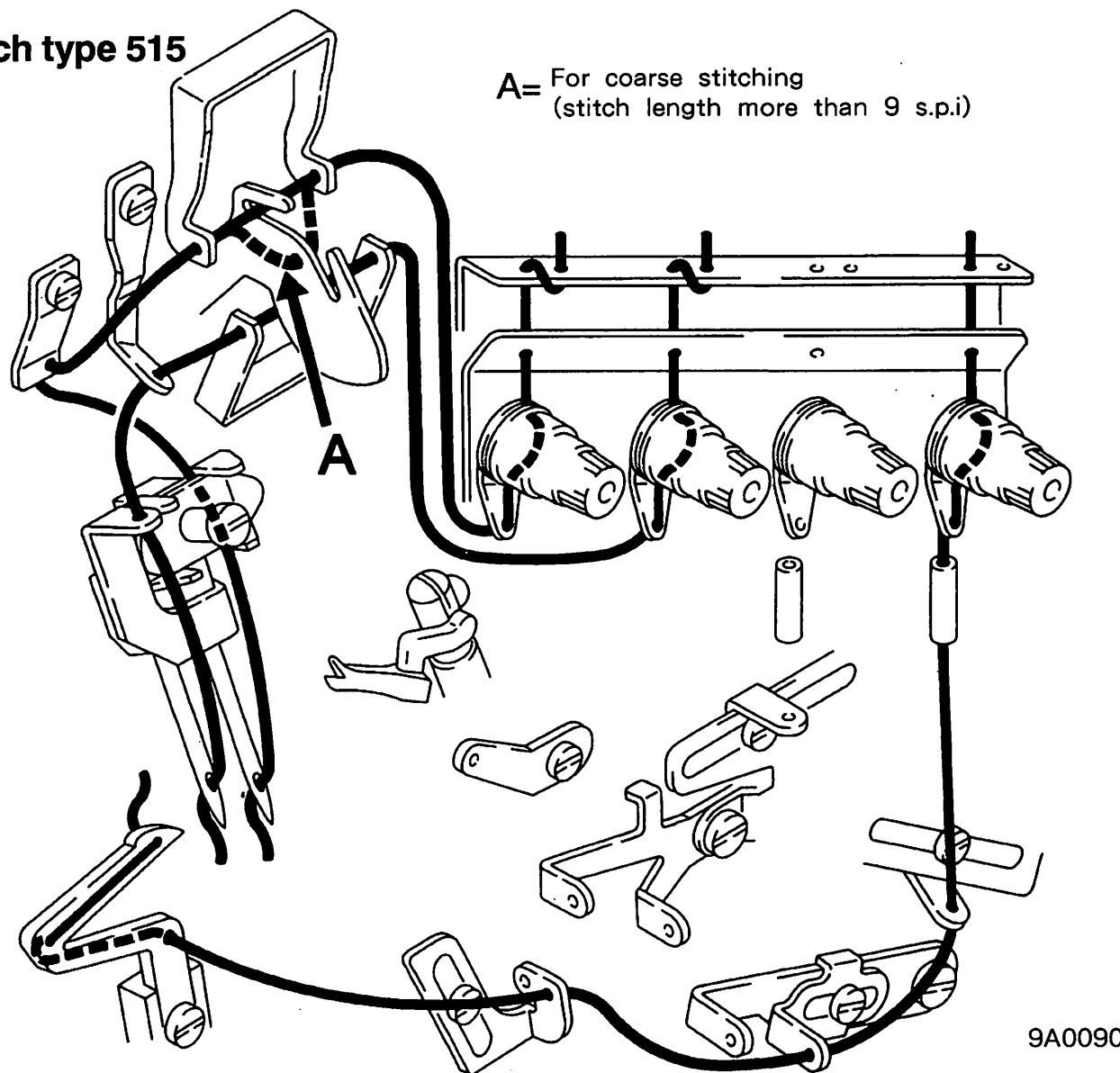
Plain seaming

EX3215 – 04

Threading

D

EX 3200



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# EX3200 Threading (2 – needle)

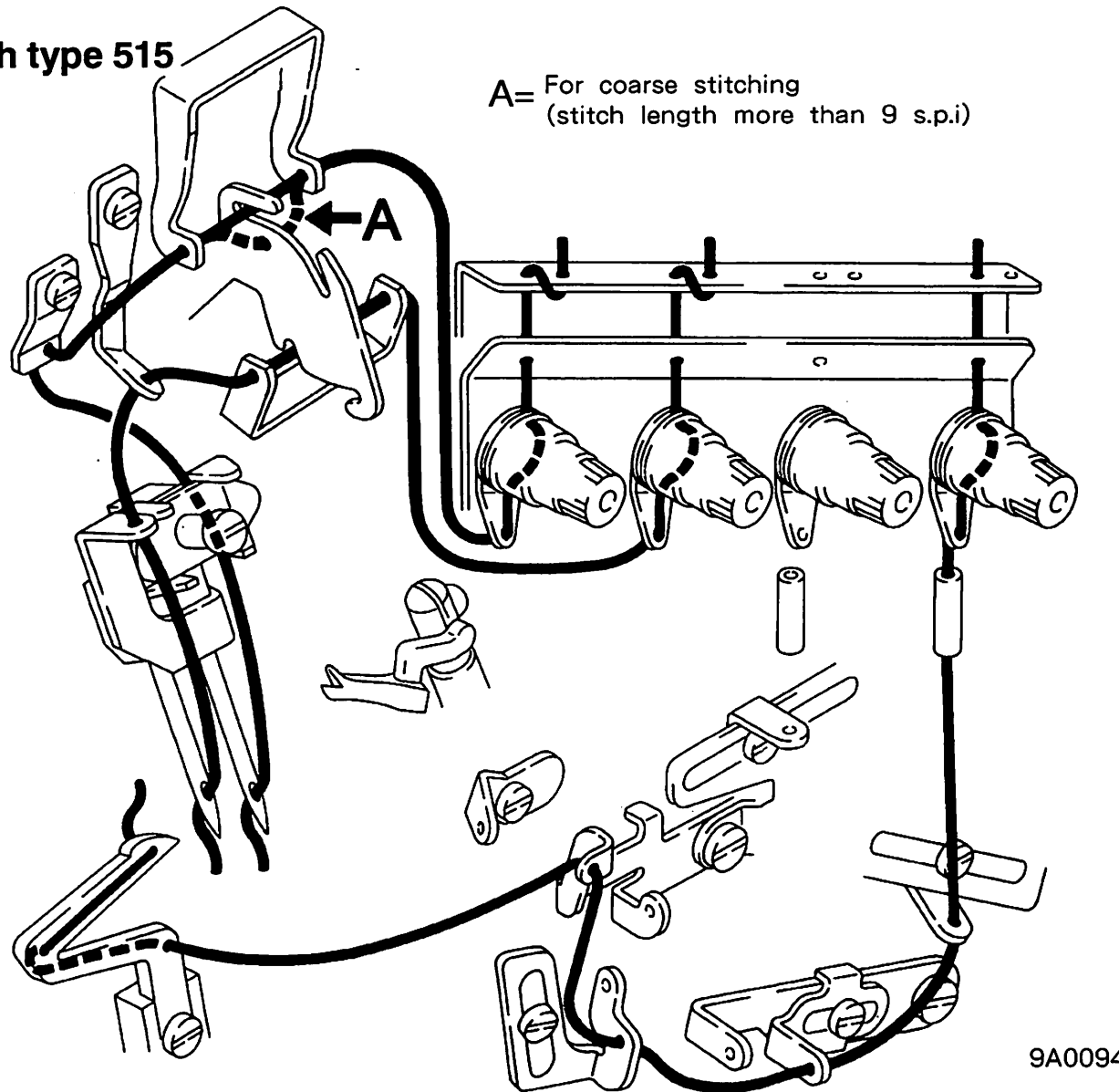
Stitch type 515

A= For coarse stitching  
(stitch length more than 9 s.p.i)

Plain seaming

EX3215H – 05

Threading  
**D**  
EX 3200



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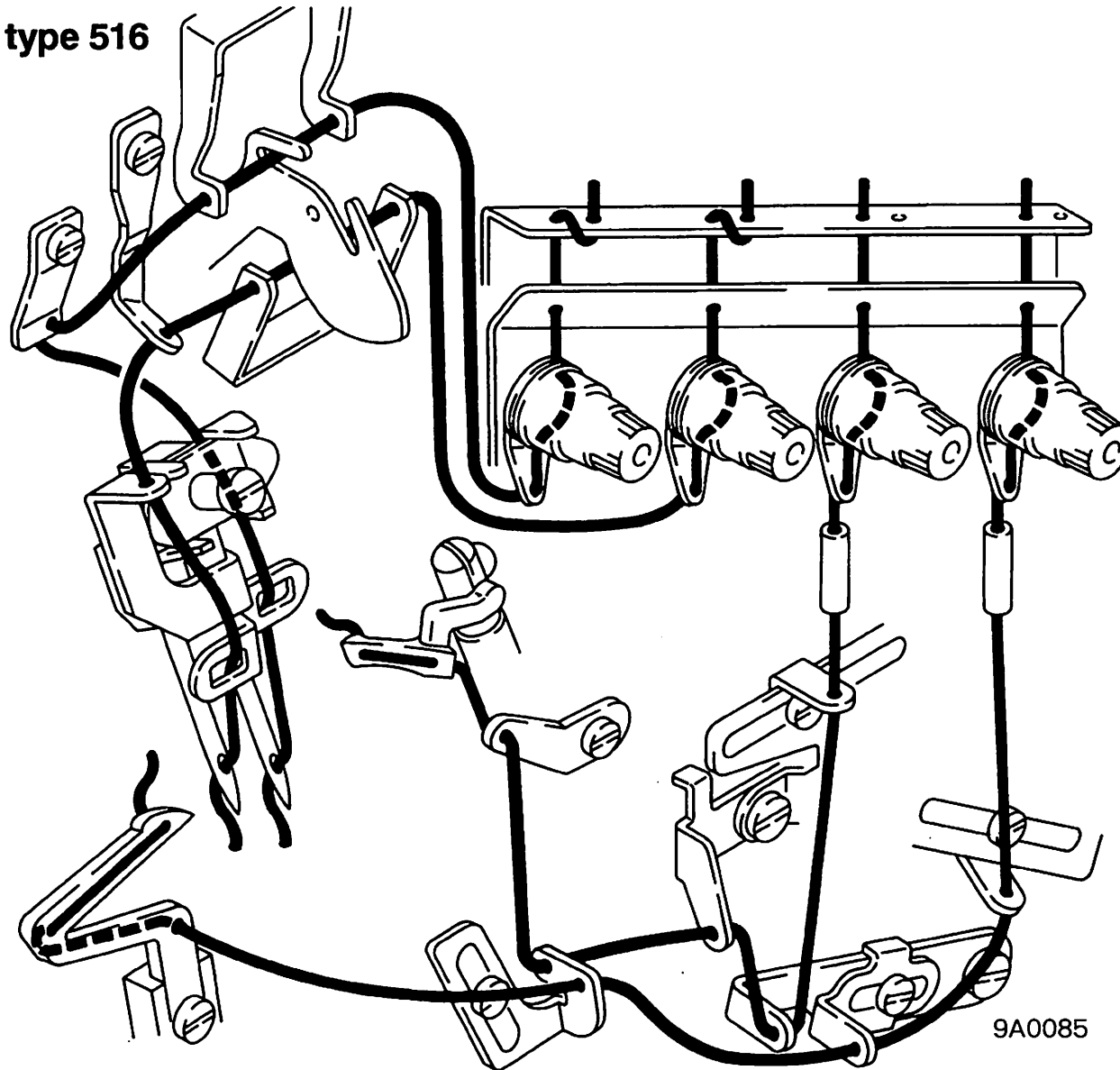
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EX Series Service Manual  
D. a. 1 - 003

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# EX3200 Threading (2 – needle)

Stitch type 516



Plain seaming

EX3216 – 01

EX3216 – 01A

EX3216 – 02

EX3216 – 02A

EX3216 – 03

Shirring

EX3216 – 42

EX3216 – 43

Tape attaching

EX3216 – 53

Threading

**D**

EX 3200

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D. a. 1 – 004

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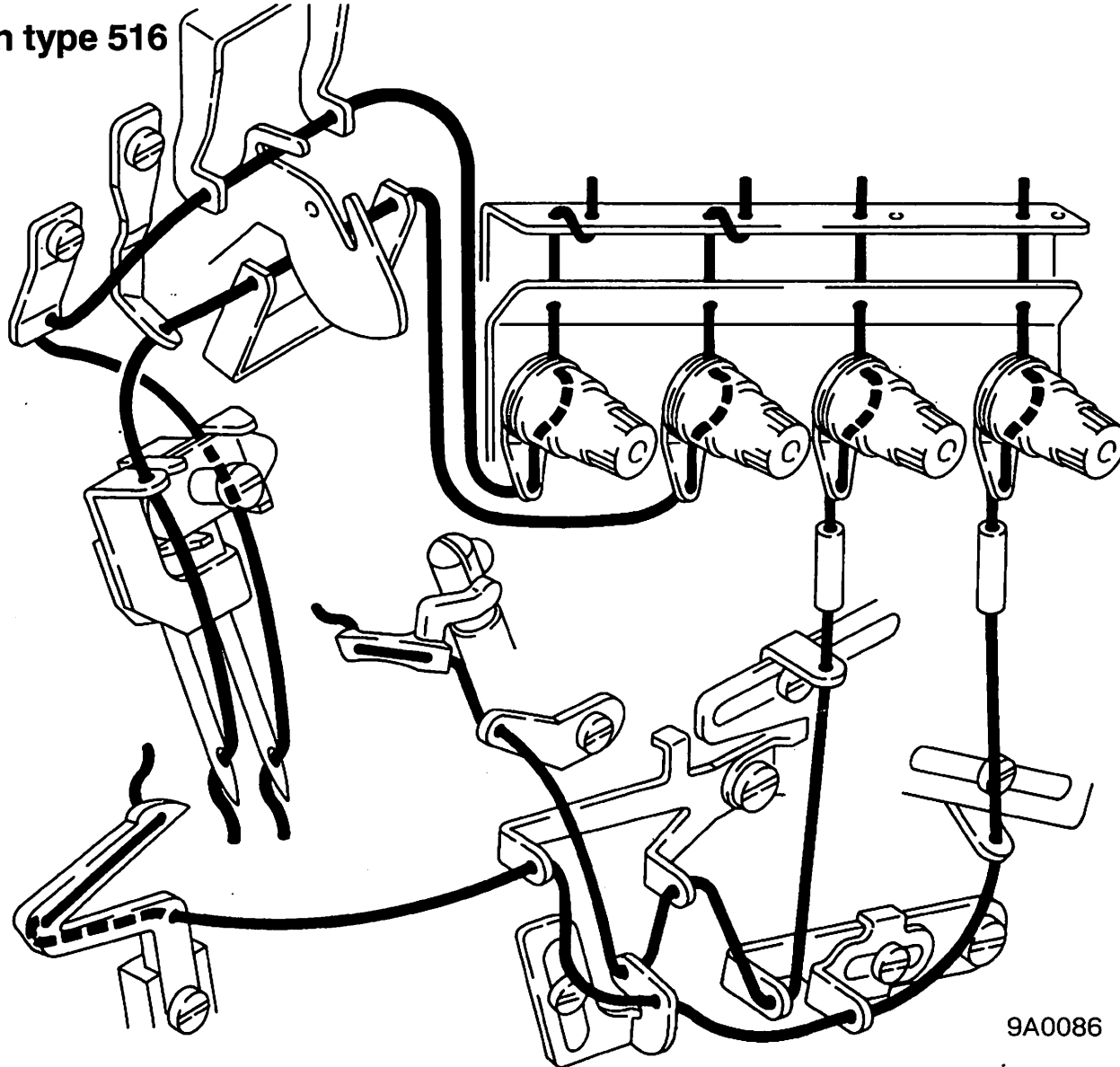
# EX3200 Threading (2 – needle)

Stitch type 516

Plain seaming

EX3216 – 04

Threading  
**D**  
EX 3200



9A0086

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EX Series Service Manual  
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# EX3200 Threading (2 – needle)

Stitch type 516

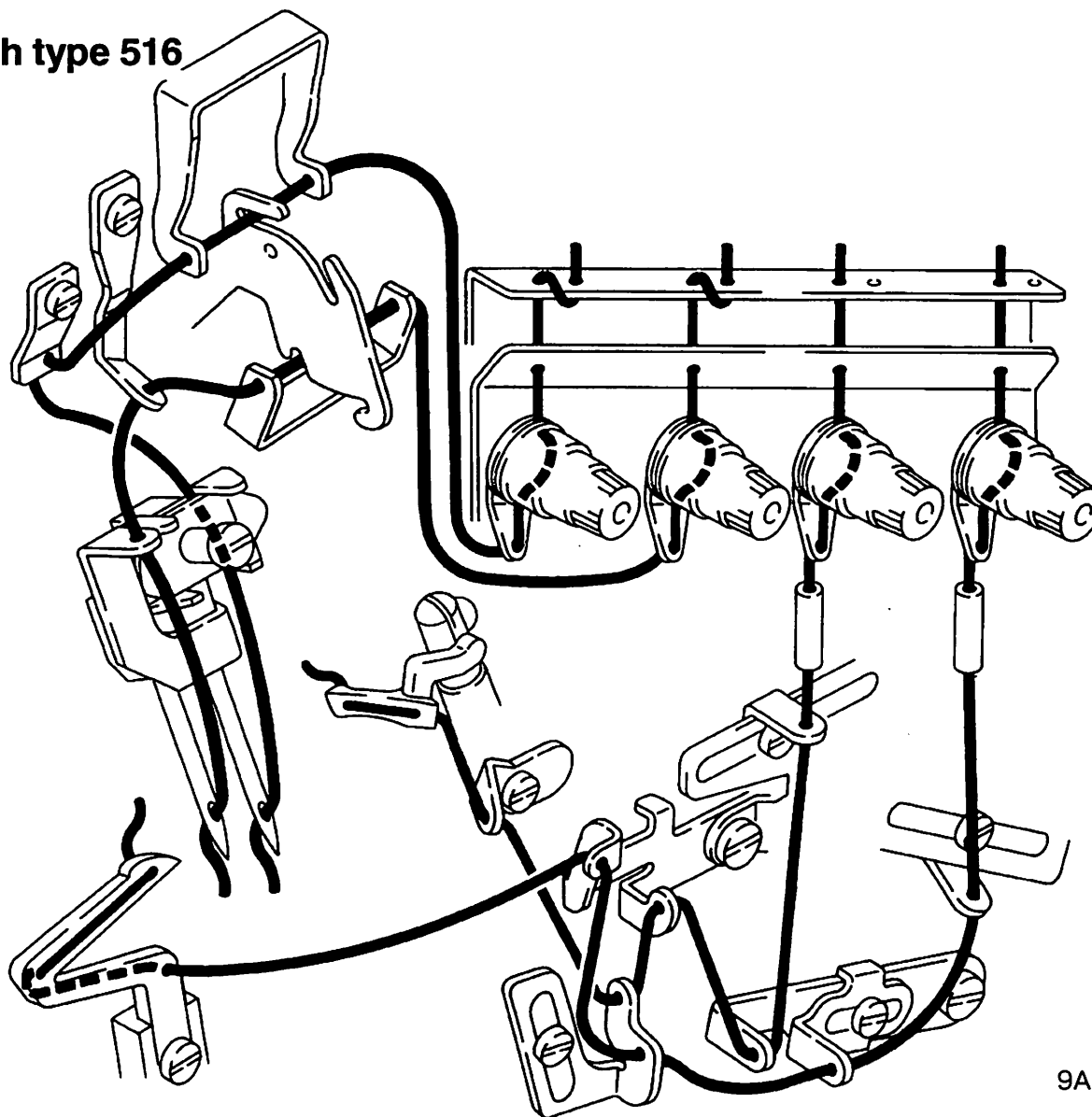
Tape attaching

EX3216H – 05

Threading

**D**

EX 3200



9A0095

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D. a. 1 - 006

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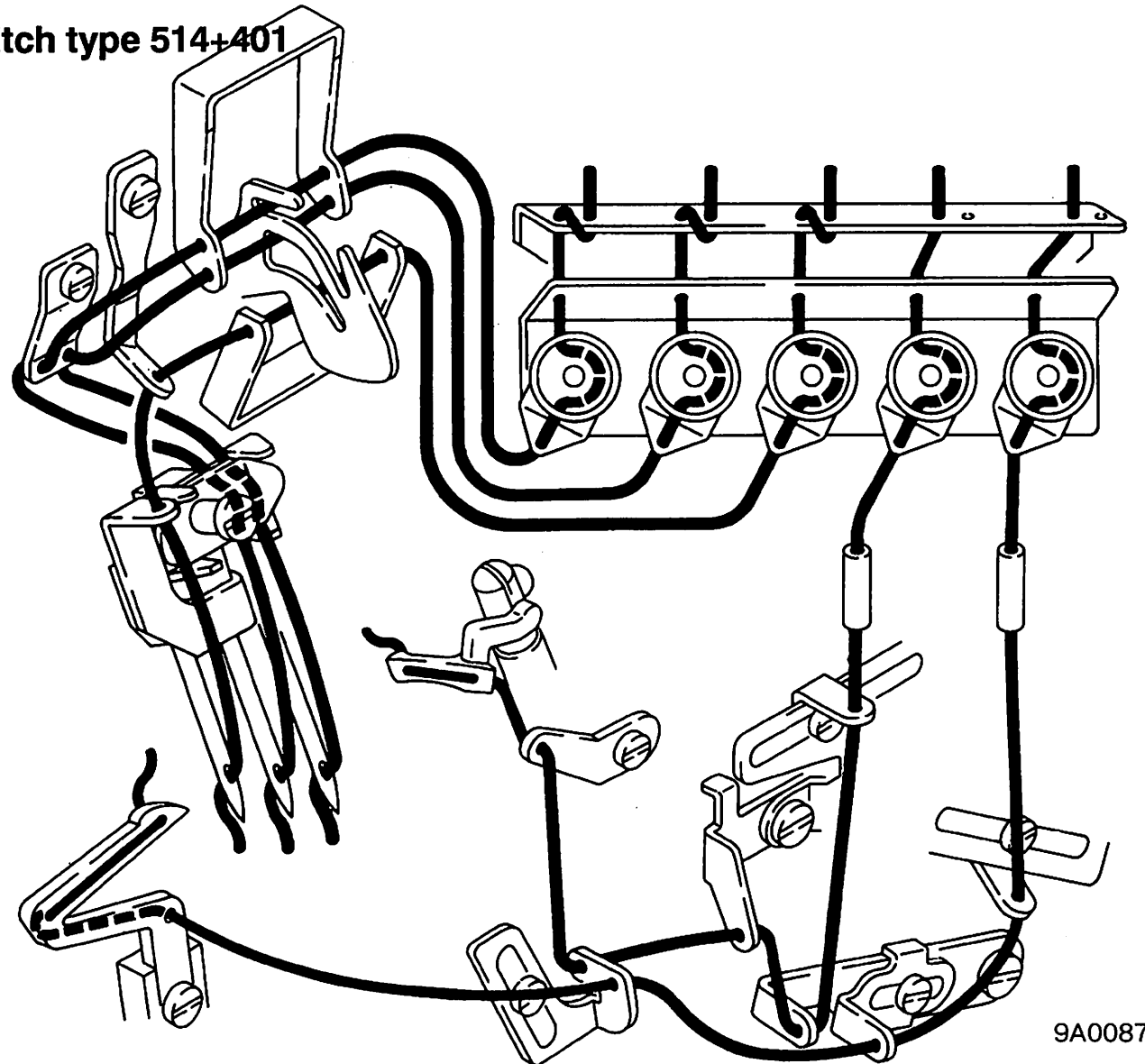
# EX3200 Threading (3 – needle)

Stitch type 514+401

Plain seaming

EX3244 – 03

Threading  
**D**  
EX 3200



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EX Series Service Manual  
D. a. 1 – 007

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# EX3200 Threading (3 – needle)

Stitch type 514+401

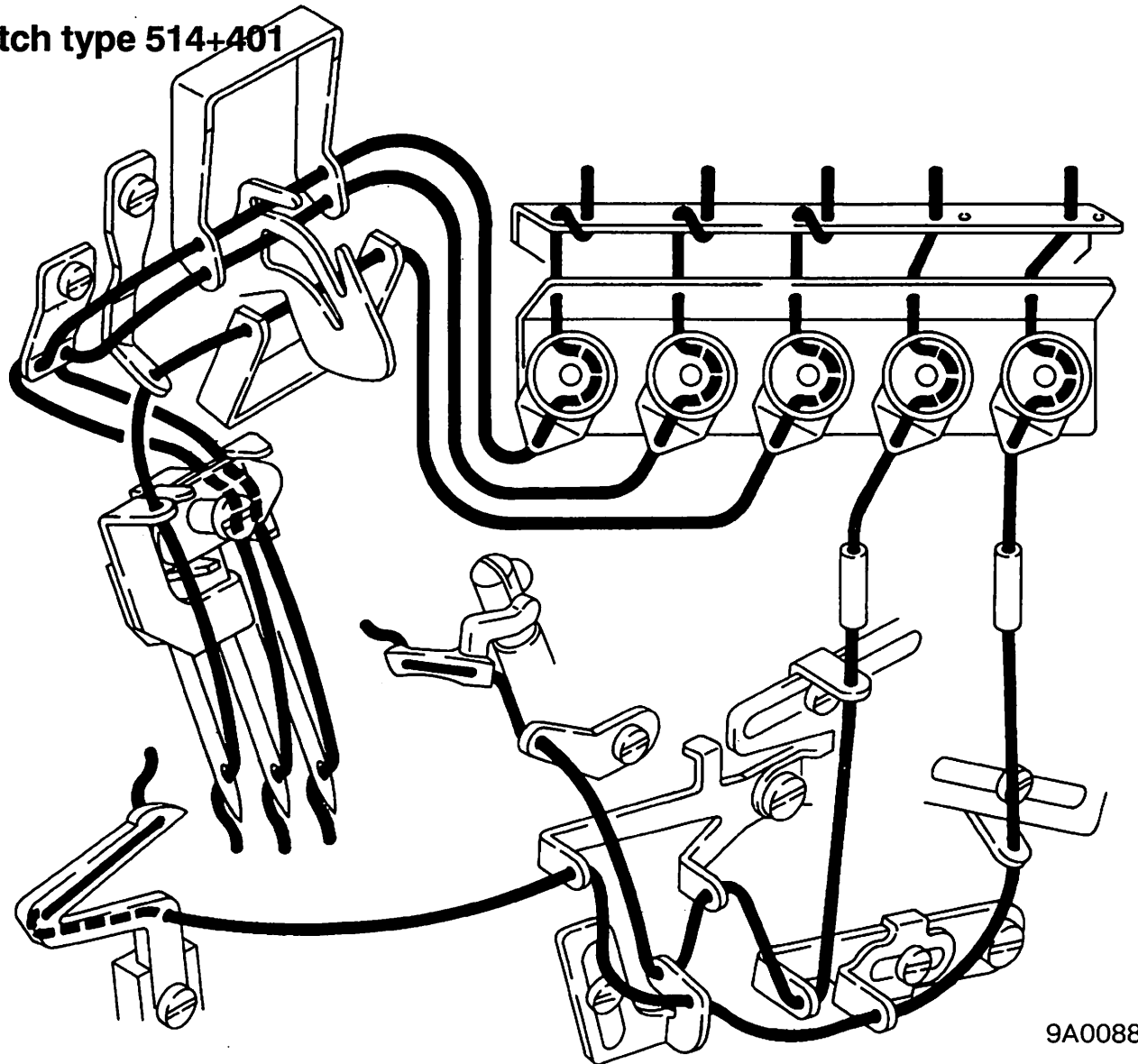
Plain seaming

EX3244 – 04

Threading

D

EX 3200



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D. a. 1 – 008

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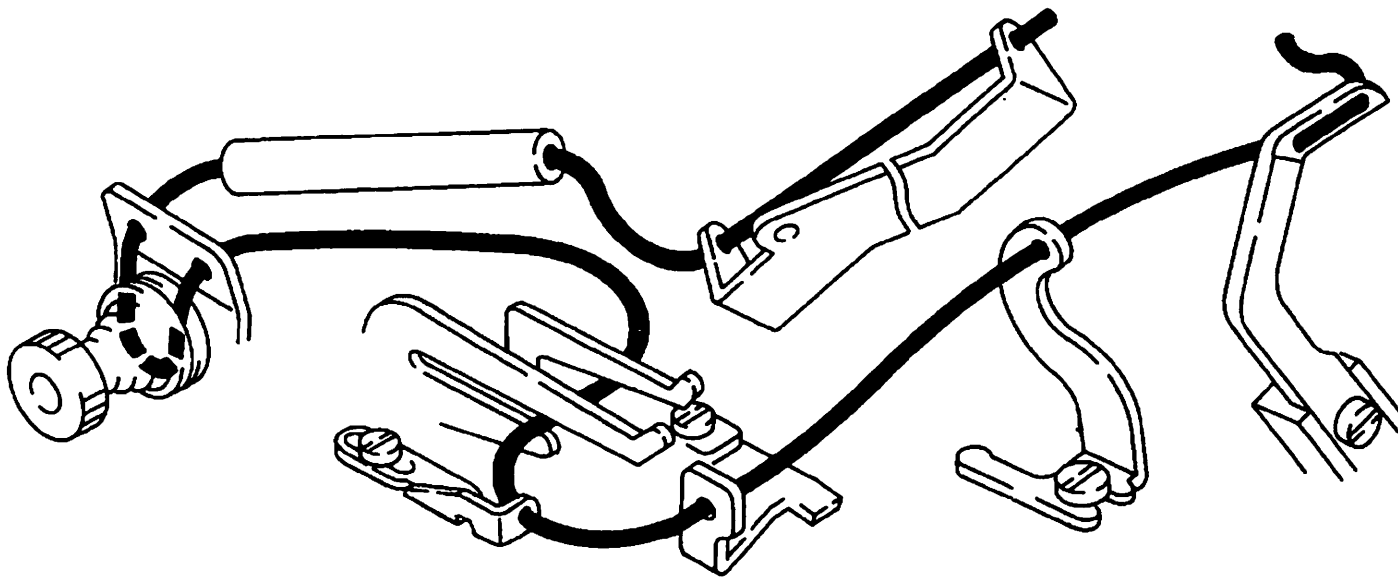
# EX3200 Threading

Stitch type 401

Threading

**D**

EX 3200



9A0091

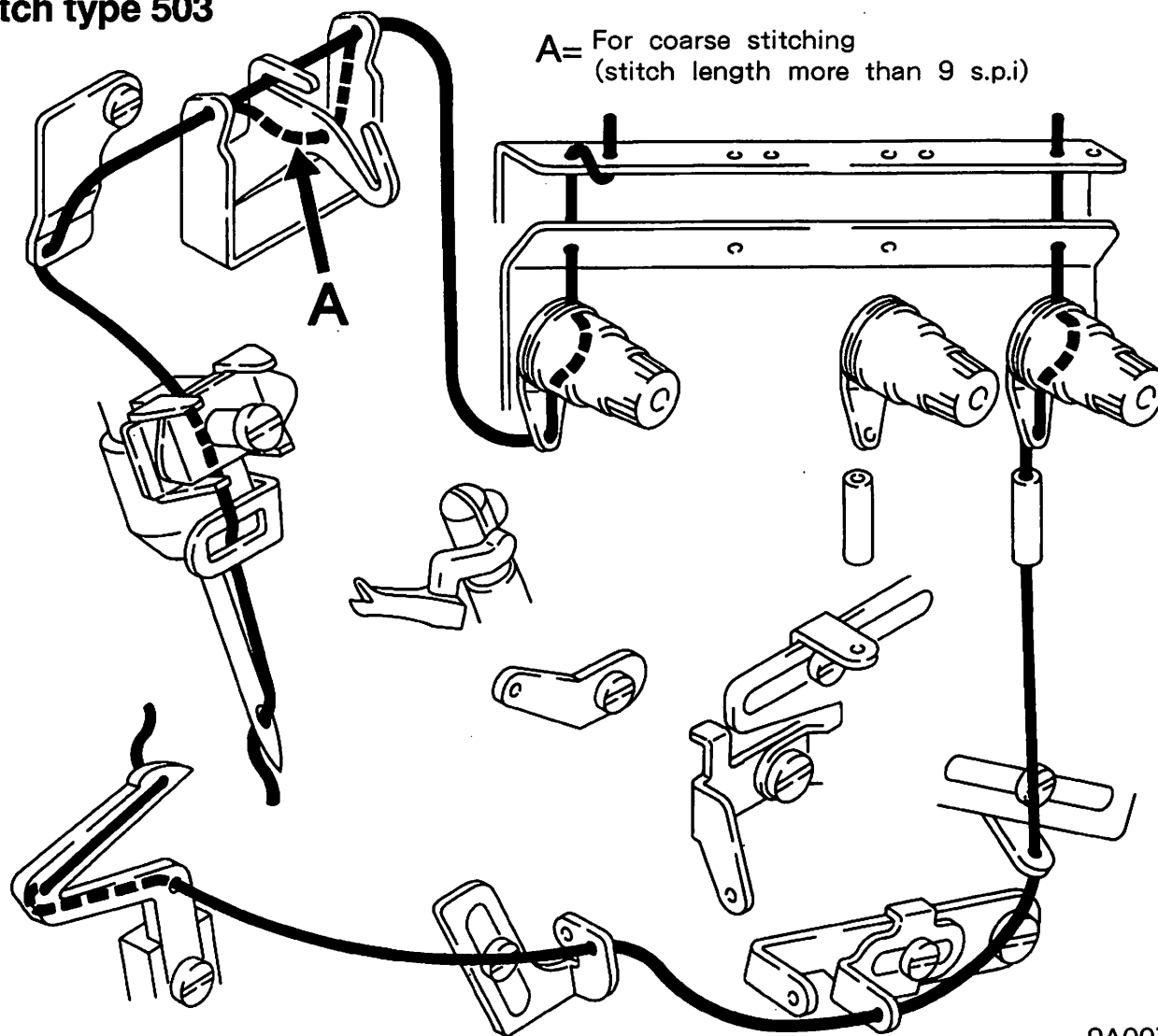
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EX Series Service Manual  
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# EX5200 Threading (1 – needle)

## Stitch type 503



A= For coarse stitching  
(stitch length more than 9 s.p.i.)

## Blindstitch hemming

EX5203 – 12

## Serging

EX5203 – 22

Threading

**D**

EX 5200

9A0079

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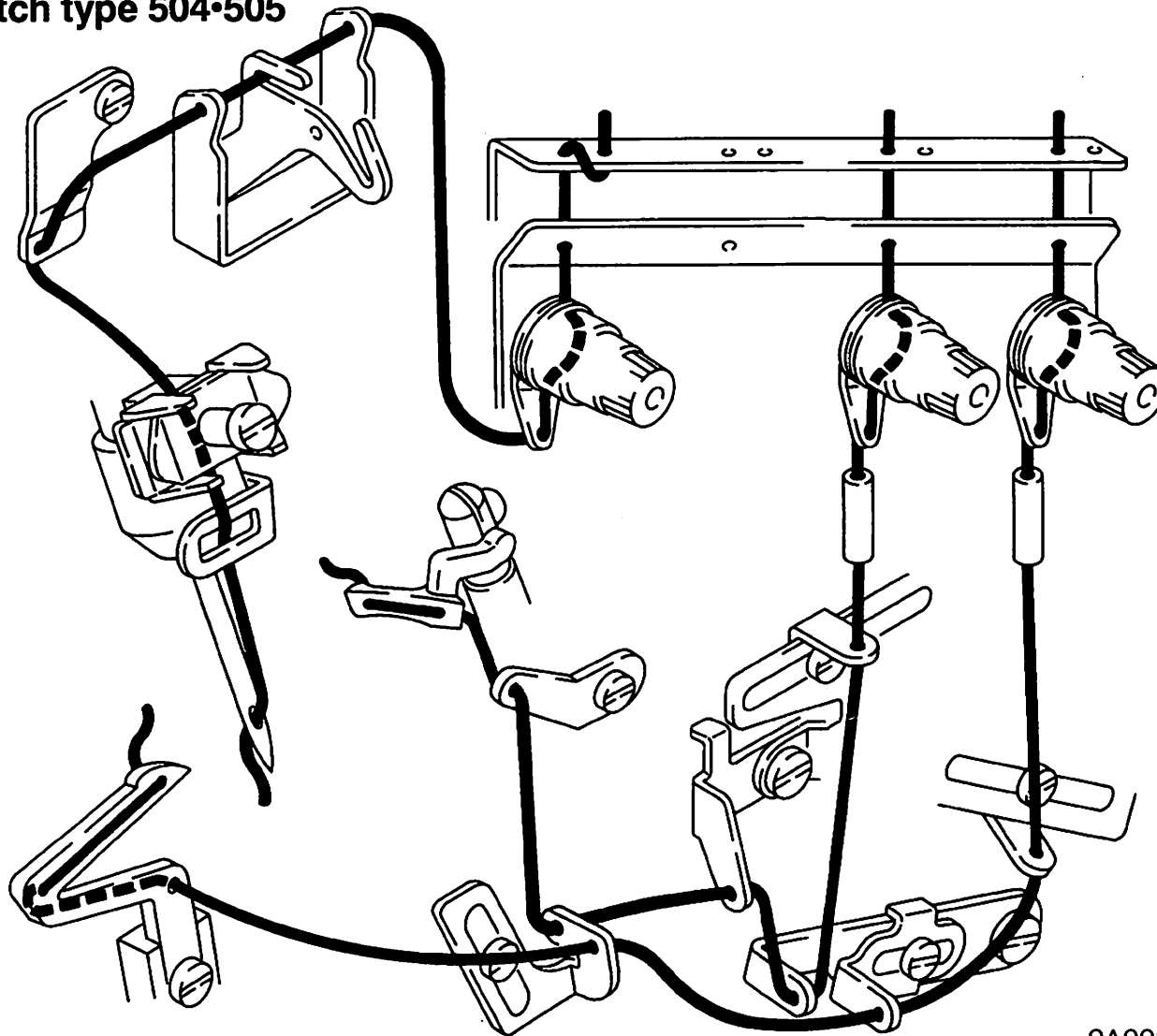
First Printing December 1991  
EX Series Service Manual  
D. a. 2 – 001

From the library of: Superior Sewing Machine & Supply LLC



# EX5200 Threading (1 – needle)

Stitch type 504•505



Plain seaming

EX5204 – 01

EX5204 – 02

EX5204 – 02H

Blindstitch  
Hemming

EX5205 – 12

Turn – up/down  
Hemming

EX5204 – 32R1

EX5204 – 32R2

Backlatching

EX5204 – 82

Automatic  
backlatching

EX5204 – 82B

Versatile

EX5204 – 92M1

9A0080

Threading

**D**

EX 5200

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D. a. 2 – 002

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# EX5200 Threading (1 – needle)

Stitch type 504

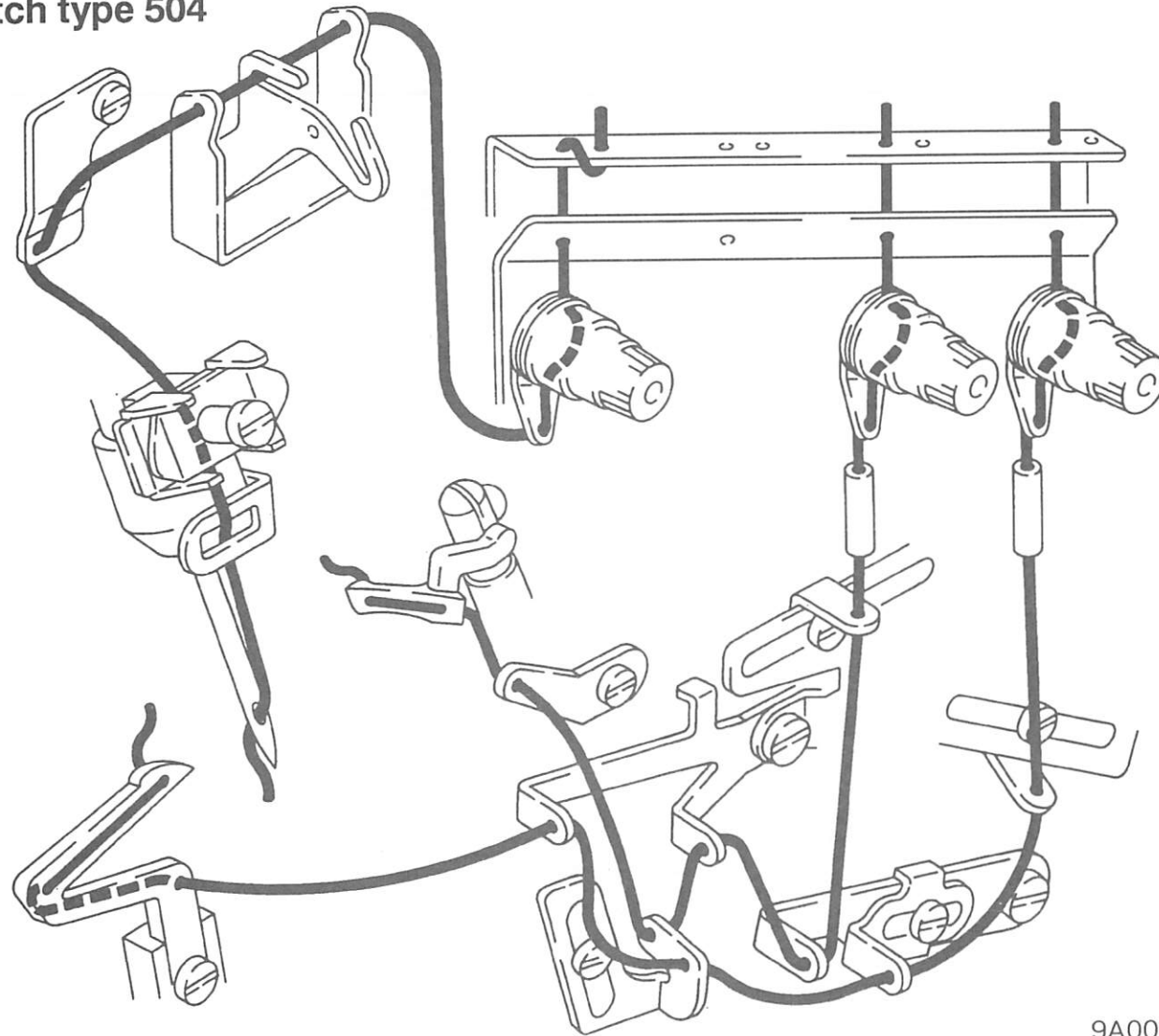
Serging

EX5204 – 24

Threading

**D**

EX 5200



9A0081

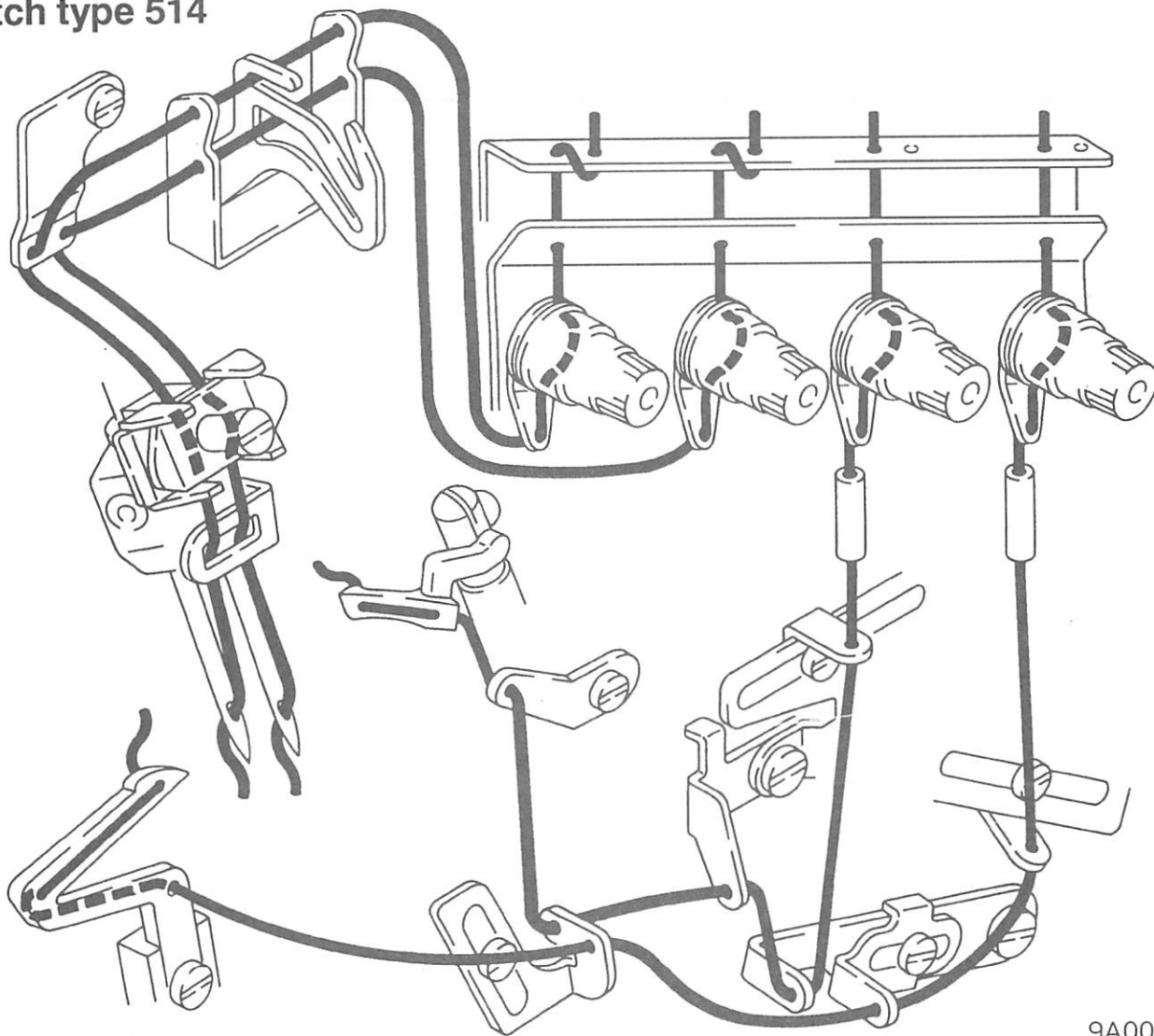
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# EX5200 Threading (2 – needle)

## Stitch type 514



### Plain seaming

EX5214 – 01

EX5214 – 03

EX5214 – 03C3

### Shirring

EX5214 – 43

EX5214 – 43P1

EX5214 – 43P2

### Tape attaching

EX5214 – 53

EX5214 – 53C3

### Backlatching

EX5214 – 83

### Versatile

EX5214 – 92M2

### Automatic backlatching

EX5214 – 82B

EX5214 – 83B

9A0082

Threading

**D**

EX 5200

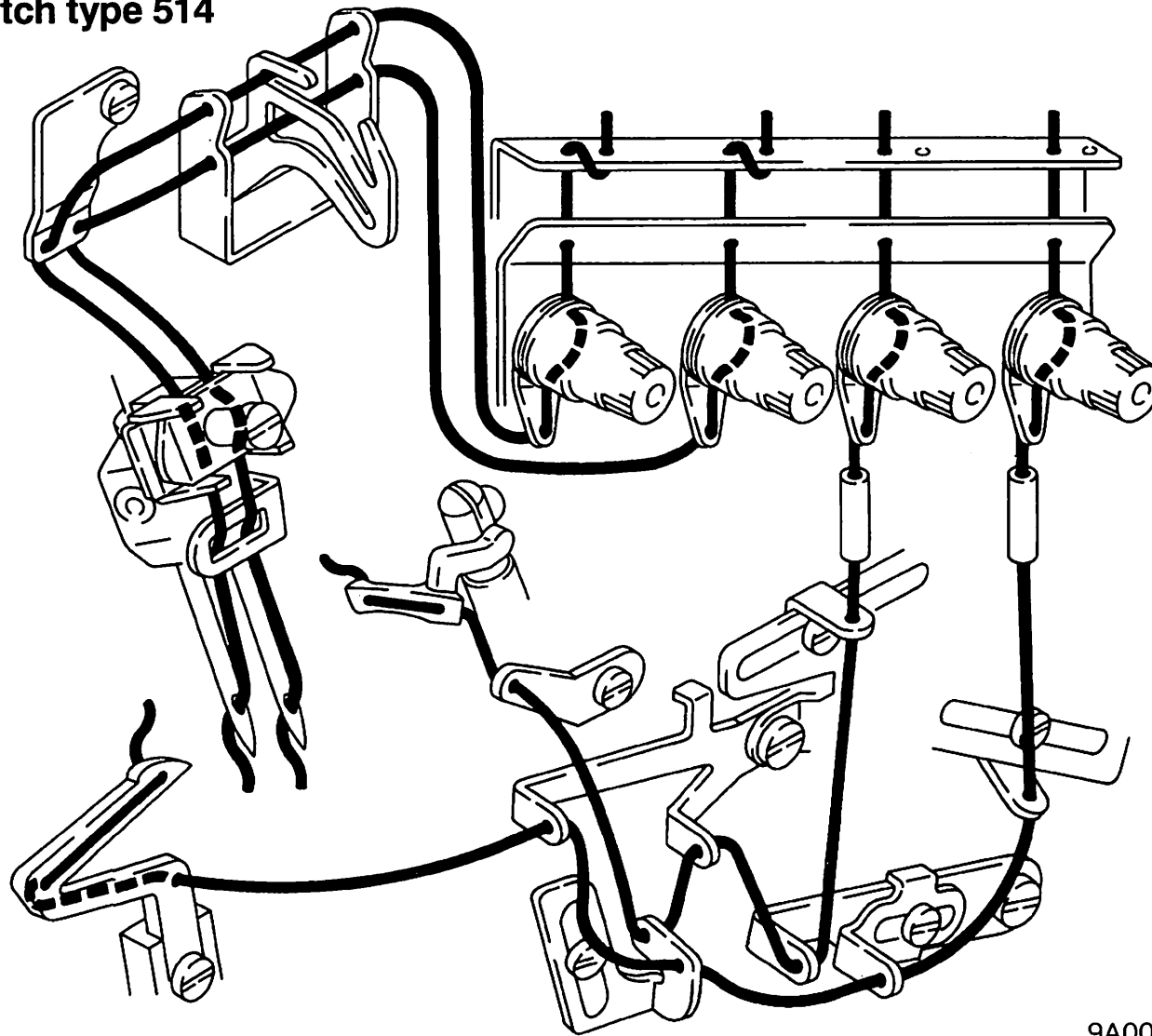
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# EX5200 Threading (2 – needle)

Stitch type 514



9A0083

Serging

EX5214 – 24

Tape attaching

EX5214 – 54

Backlatching

EX5214 – 84

Automatic  
Backlatching

EX5214 – 84B

Threading

**D**

EX 5200

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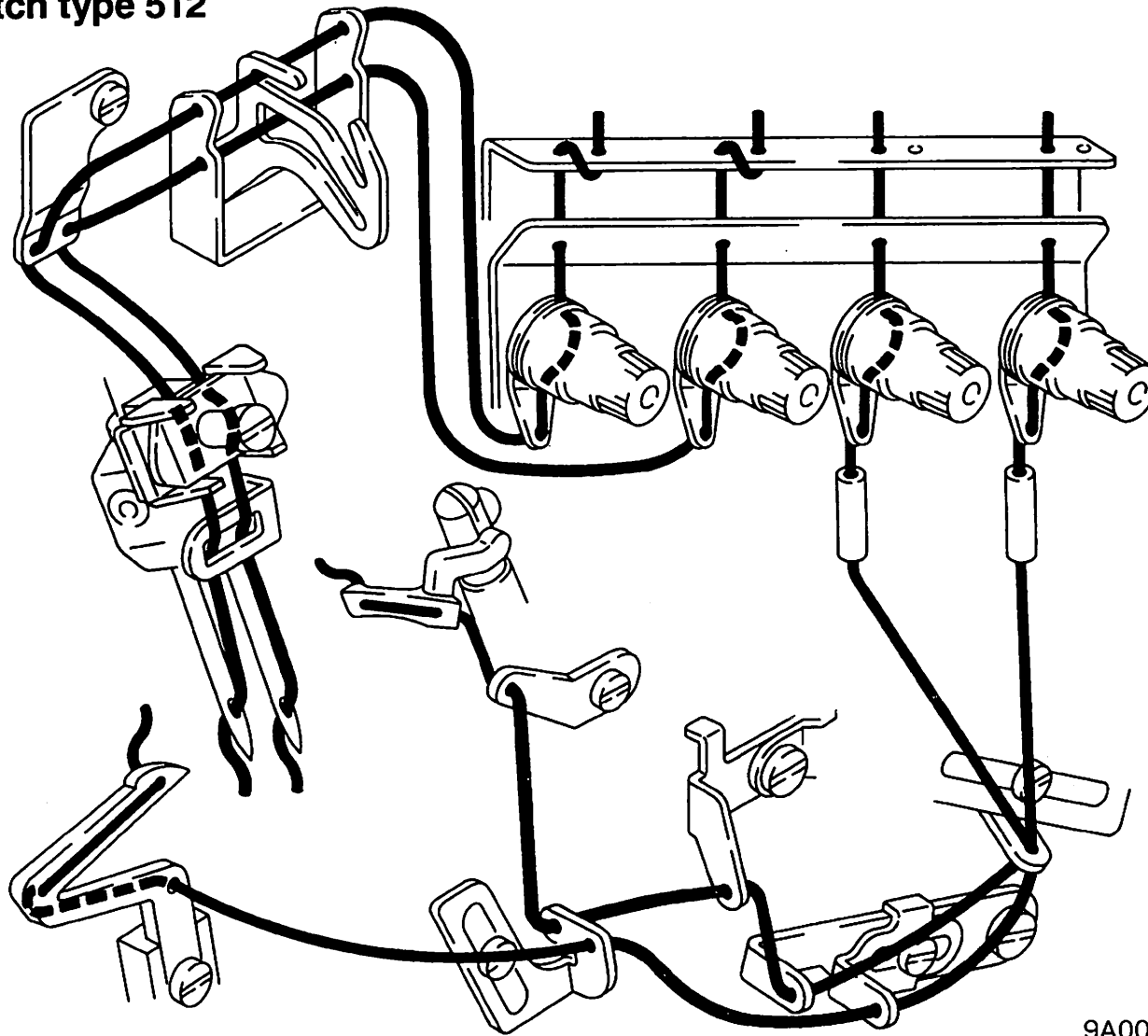
# EX5200 Threading (2 – needle)

Stitch type 512

Plain seaming

EX5212 – 02

Threading  
**D**  
EX 5200



9A0084

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D. a. 2 – 006

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# EX5200 Threading (2 – needle)

Stitch type 514

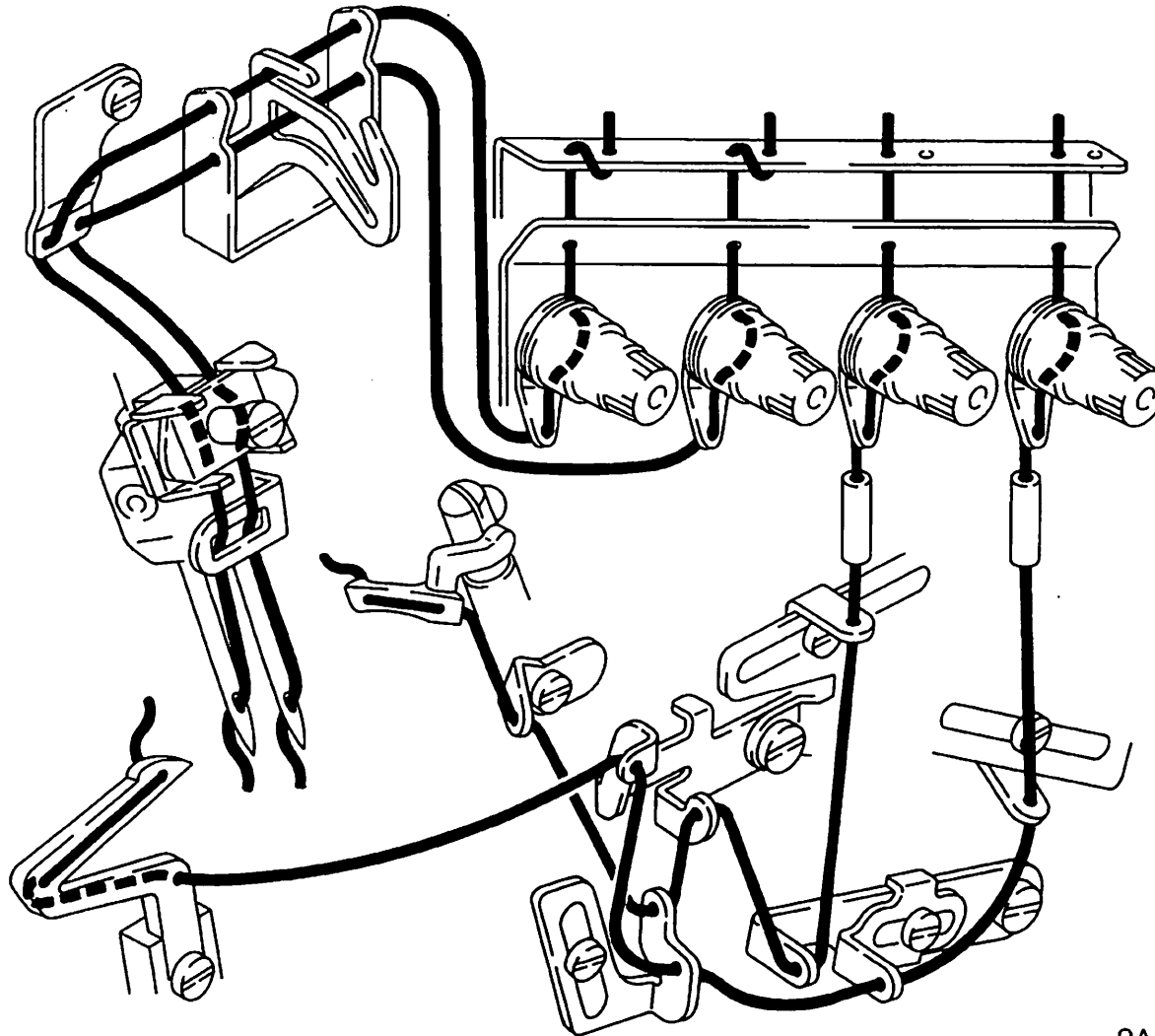
Tape attaching

EX5214H – 55

Threading

**D**

EX 5200



9A0093

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EX Series Service Manual




















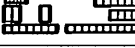
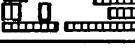
D. a. 2 - 007

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# EX3200 specifications


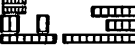
## Plain seaming (2 – needle)

													
(15) EX3216 – 01/222	W	515 516	DC × 27 # 11	$\frac{2}{3}$	$\frac{3 \cdot 4}{3 \cdot 4 \cdot 5}$	0.6~3.8	0.7~2		1.25	5	7,500	Extra - light weight ~ Light weight	
(15) EX3216 – 01A/222	W	515 516	DC × 27 # 11	$\frac{2}{3}$	$\frac{3 \cdot 4}{3 \cdot 4 \cdot 5}$	0.6~3.8	0.7~2		1.25	5	7,500	Extra - light weight ~ Light weight (with presser foot for tight curves)	
(15) EX3216 – 02/223	W	515 516	DC × 27 # 11	$\frac{2}{3}$	$\frac{3 \cdot 4}{3 \cdot 4 \cdot 5}$	0.6~3.8	0.7~2		1.6	5	7,500	Light weight ~ Medium weight	
(15) EX3216 – 02A/223	W	515 516	DC × 27 # 11	$\frac{2}{3}$	$\frac{3 \cdot 4}{3 \cdot 4 \cdot 5}$	0.6~3.8	0.7~2		1.6	5	7,500	Light weight ~ Medium weight (with presser foot for tight curves)	
(15) EX3216 – 03/233	W	515 516	DC × 27 # 14	$\frac{3}{5}$	$\frac{4 \cdot 5}{5 \cdot 6}$	0.6~3.8	0.7~2		1.6	5	7,500	Medium weight ~ Heavy weight	
(15) EX3216 – 04/435	W	515 516	DC × 27 # 21	5	5 · 6	0.8~5	0.8~1.5		2.5	7	6,500	Heavy weight ~ Extra - heavy weight	
(15) EX3216H – 05/535	W	515 516	DO × 5 # 21	5	5 · 6 · 7	0.8~5	0.8~1.5		2.5	8	6,000	Extra - heavy weight (Ultra super high lift)	

specifi-  
cations



## Plain seaming (3 – needle)

EX3244 – 03/333	W	514 + 401	DC × 27 # 11	$\frac{3 \times 2}{5 \times 2}$	4	0.6~3.8	0.7~2		1.6	5.5	7,000	Medium weight ~ Heavy weight	
EX3244 – 04/435	W	514 + 401	DC × 27 # 21	$\frac{5 \times 3}{4}$	4	0.8~5	0.8~1.5		2.5	7	6,500	Heavy weight ~ Extra - heavy weight	

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







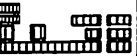
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EX Series Service Manual  
E. a. 1 - 001

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# EX3200 specifications

## Shirring

												
(15) EX3216 – 42/233	W	515 516	DC × 27 # 14	3 5	4 · 5 5 · 6	0.6~3.2	0.85~2.8		1.6	5	7,000	Light weight ~ Medium weight
(15) EX3216 – 43/335	W	515 516	DC × 27 # 16	5	5 · 6	0.6~3.2	0.85~2.8		2.5	5.5	7,000	Medium weight ~ Heavy weight

















specifi-  
cations  
**E**  
EX 3200

## Tape attaching

EX3216 – 53/233	W	516	DC × 27 # 11	3 5	4 · 5 5	0.6~3.8	0.7~2		1.6	5	7,000	Medium weight ~ Heavy weight
-----------------	---	-----	--------------	--------	------------	---------	-------	--	-----	---	-------	------------------------------





# EX5200 specifications

## Plain seaming (1 – needle)

												
				mm	mm	mm			mm	mm	s.p.m.	
<b>EX5204 – 01/223</b>	W	504	DC × 27 # 9	–	3 · 4 · 5	0.6~3.8	0.7~2		1.6	5	8,500	Extra – light weight ~ Light weight
<b>EX5204 – 02/233</b>	W	504	DC × 27 # 9	–	3 · 4 · 5	0.6~3.8	0.7~2		1.6	5	8,500	Light weight ~ Medium weight
<b>EX5204 – 02H/223</b>	N	504 505	DC × 27 # 9	–	3 · 4	0.6~3.8	0.7~2		1.6	5.5	8,500	Light weight ~ Medium weight(blindstitch hemming)

specifi-  
cations  
**E**  
EX 5200

## Plain seaming (2 – needle)

<b>EX5214 – 01/233</b>	W	514	DC × 27 # 9	2	3 · 4	0.6~3.8	0.7~2		1.6	5	8,000	Extra – light weight ~ Light weight
<b>EX5212 – 02/333</b>	W	512	DC × 27 # 14	2	3 · 4 · 5	0.6~3.8	0.7~2		1.6	5.5	7,500	Light weight ~ Medium weight
<b>EX5214 – 03/333</b>	W	514	DC × 27 # 9	2	3 · 4 · 5	0.6~3.8	0.7~2		1.6	5.5	7,500	Medium weight ~ Heavy weight
<b>EX5214 – 03C3/333</b>	W	514	DC × 27 # 11	2	3 · 4 · 5	0.6~2.7	0.85~2.8		1.6	5.5	7,500	Medium weight ~ Heavy weight
















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E. a. 2 – 001

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# EX5200 specifications

## Blindstitch hemming

												
<b>EX5205 – 12/223</b>	N	505	DC × 27 # 9	–	3 · 4	0.6~3.8	0.7~2		1.6	5.5	8,500	Light weight ~ Medium weight
<b>EX5203 – 12/223</b>	N	503	DC × 27 # 9	–	3 · 4	0.6~3.8	0.7~2		1.6	5.5	8,500	Light weight ~ Medium weight

specifications  
**E**  
EX 5200

## Serging

<b>EX5203 – 22/233</b>	W	503	DC × 27 # 14	–	5 · 6	0.8~5	0.8~1.5		1.6	5	8,500	Light weight ~ Medium weight
<b>EX5204 – 24/455</b>	W	504	DC × 27 # 18	–	7 · 8	0.8~5	0.8~1.5		2.5	7	6,500	Heavy weight ~ Extra - heavy weight
<b>EX5214 – 24/445</b>	W	514	DC × 27 # 11	3	4 · 5	0.8~5	0.8~1.5		2.5	7	6,500	Heavy weight ~ Extra - heavy weight

















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EX Series Service Manual  
E. a. 2 - 002

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# EX5200 specifications

## Turn-up/down hemming

												
<b>EX5204 – 32R1/223</b>	W	504	DC × 27 # 16	–	3	0.6~3.2	0.7~2		1.6	5	8,500	Light weight ~ Medium weight
<b>EX5204 – 32R2/223L</b>	W	504	DC × 27 # 11	–	1.5	0.6~3.2	0.7~2		1.6	5	8,500	Light weight ~ Medium weight
<b>EX5204 – 32R2/223</b>	W	504	DC × 27 # 11	–	1.5	0.6~3.2	0.7~2		1.6	5	8,500	Light weight ~ Medium weight

specifications  
EX 5200

## Shirring

<b>EX5214 – 43/333</b>	W	514	DC × 27 # 11	2	3 · 4	0.6~3.2	0.85~2.8		1.6	5.5	7,000	Medium weight ~ Heavy weight
<b>EX5214 – 43P1/333</b>	W	514	DC × 27 # 11	2	3 · 4	0.6~3.2	0.85~2.8		1.6	5.5	7,000	Medium weight ~ Heavy weight (piping)
<b>EX5214 – 43P2/333</b>	W	514	DC × 27 # 11	2	3 · 4	0.6~3.2	0.85~2.8		1.6	5.5	7,000	Medium weight ~ Heavy weight (piping)




















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E. a. 2 – 003

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# EX5200 specifications

## Tape attaching

				 mm	 mm	 mm			 mm	 mm	 s.p.m.	
EX5214 – 53/333	W	514	DC × 27 # 9	2	3 · 4 · 5	0.6~3.2	0.7~2.4		1.6	5.5	7,500	Medium weight ~ Heavy weight
EX5214 – 53C3/333	W	514	DC × 27 # 11	2	3 · 4 · 5	0.6~2.6	0.85~2.8		1.6	5.5	7,500	Medium weight ~ Heavy weight
EX5214 – 54/433	W	514	DC × 27 # 11	2	3 · 4 · 5	0.6~3.2	1.1~3.8		1.6	7	6,500	Heavy weight ~ Extra-heavy weight
EX5214 – 54/443	W	514	DC × 27 # 11	2 2.5	4 · 5 3.5 · 4.5	0.6~2.4	1.1~3.8		1.6	7	6,500	Heavy weight ~ Extra-heavy weight
EX5214 – 54/445	W	514	DC × 27 # 16	3	4 · 5	1.1~3.2	1.1~3.8		2.5	7	5,500	Heavy weight ~ Extra-heavy weight
EX5214H – 55/545	W	514	DO × 5 # 16	2.5 3	3.5 · 4.5 · 5 4 · 5	1.1~3.2	1.1~3.8		2.5	8	5,500	Extra-heavy weight (Ultra super high lift)



















specifi-  
cations



EX 5200

# EX5200 specifications

## Backlatching





													
EX5204 – 82/223	N	504	DC × 27 # 9	–	3 · 4 · 5	0.6~3.8	0.7~2		1.6	5	8,500	Light weight ~ Medium weight	
EX5204 – 82/233	N	504	DC × 27 # 9	–	3 · 4 · 5	0.6~3.8	0.7~2		1.6	5	8,500	Light weight ~ Medium weight	
EX5214 – 83/323	N	514	DC × 27 # 9	2	3 · 4	0.6~3.8	0.7~2		1.6	5.5	7,500	Medium weight ~ Heavy weight	
EX5214 – 84/423	N	514	DC × 27 # 11	2	3 · 4	0.6~2.4	1.1~3.8		1.6	7	6,500	Heavy weight ~ Extra-heavy weight	

specifications



**E**

EX 5200

## Automatic backlatching

EX5204 – 82B/233	N	504	DC × 27 # 9	–	3 · 4 · 5	0.6~3.8	0.7~2		1.6	5	8,500	Light weight ~ Medium weight (Automatic backlatcher)
EX5214 – 82B/323	N	514	DC × 27 # 9	2	3 · 4	0.6~3.8	0.7~2		1.6	5.5	7,500	Light weight ~ Medium weight (Automatic backlatcher)
EX5214 – 83B/333	N	514	DC × 27 # 9	2	3 · 4	0.6~3.8	0.7~2		1.6	5.5	7,500	Medium weight ~ Heavy weight (Automatic backlatcher)
EX5214 – 84B/433	N	514	DC × 27 # 11	2	3 · 4	0.6~2.4	1.1~3.8		1.6	7	6,500	Heavy weight ~ Extra-heavy weight (Automatic backlatcher)

## Versatile

EX5204 – 92M1/223	N	504 505	DC × 27 # 9	–	3 · 4	0.6~3.8	0.7~2		1.6	5	8,500	Light weight ~ Extra-heavy weight (backlatching)
EX5214 – 92M2/223	N	504 505 514	DC × 27 # 9	2 –	3 · 4 4	0.6~3.8	0.7~2		1.6	5.5	8,000	Light weight ~ Medium weight

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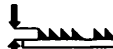


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E. a. 2 - 005

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# EX3200 adjustment specifications

## Plain seaming (2 – needle)

Unit = mm

								
(15) EX3216 – 01	10.4~10.6	3.7~3.9	4.4~4.7	10.8	14.5	0.7~0.9	5	1.4~1.6
(15) EX3216 – 01A								
(15) EX3216 – 02								
(15) EX3216 – 02A								
(15) EX3216 – 03								
(15) EX3216 – 04	11.8~12	4.1~4.3		12		1~1.2	7	1.6~1.8
(15) EX3216H – 05	14.4~14.6	3.7~3.9		13.4		13.5	1.1~1.3	8

adjustment  
specifi-  
cations

**F<sub>a</sub>**

EX 3200

## Plain seaming (3 – needle)

EX3244 – 03	10.4~10.6	3.7~3.9	5.4~5.7	10.5	13.5	0.7~0.9	5.5	1.4~1.6
EX3244 – 04	11.8~12	4.1~4.3		11.8		1~1.2	7	1.6~1.8

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F. a. 1 - 001






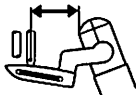



From the library of: Superior Sewing Machine & Supply LLC



# EX3200 adjustment specifications

## Shirring

Unit = mm

								
(15) EX3216 – 42	10.4~10.6	4.1~4.3	4.4~4.7	10.8	14.5	0.7~0.9	5	1.6~1.8
(15) EX3216 – 43							5.5	

adjustment  
specifi-  
cations











## Tape attaching

EX3216 – 53	10.4~10.6	4.1~4.3	4.4~4.7	10.8	14.5	0.7~0.9	5	1.6~1.8
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# EX5200 adjustment specifications

## Plain seaming (1 – needle)

Unit = mm

								
EX5204 – 01	10.4~10.6	3.7~3.9	4.4~4.7	10.8	14.5	0.7~0.9	5	
EX5204 – 02								
EX5204 – 02H							5.5	

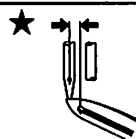
adjustment  
specifi-  
cations

**F<sub>a</sub>**

EX 5200

## Plain seaming (2 – needle)

EX5214 – 01	10.4~10.6	3.7~3.9	4.9~5.2	10.7	14	0.7~0.9	5	
EX5212 – 02	10.9~11.1		★1~1.3	10.5	13.5		5.5	
EX5214 – 03(C3)	10.4~10.6		5.4~5.7					



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






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F. a. 2 – 001

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# EX5200 adjustment specifications

## Blindstitch hemming

Unit = mm

								
EX5205 - 12	10.4~10.6	3.7~3.9	4.4~4.7	10.8	14.5	0.7~0.9	5.5	
EX5203 - 12								

adjustment  
specifi-  
cations

**F<sub>a</sub>**

EX 5200

## Serging

EX5203 – 22	10.4~10.6	3.7~3.9	4.4~4.7	10.8	14.5	0.7~0.9	5	
EX5204 – 24	11.8~12	4.1~4.3		12		0.9~1.1	7	
EX5214 – 24			5.4~5.7	11.8	13.5			

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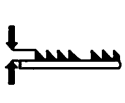

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F. a. 2 - 002

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# EX5200 adjustment specifications

## Turn-up/down hemming

Unit = mm

								
EX5204 – 32R1	9.9~10.1	3.7~3.9	4.4~4.7	10.3	14.5	0.7~0.9	5	
EX5204 – 32R2	10.4~10.6			10.8				

adjustment  
specifi-  
cations

**F<sub>a</sub>**  
EX 5200









## Shirring (Shirring&Piping)

EX5214 – 43	10.4~10.6	3.7~3.9	5.4~5.7	10.5	13.5	0.7~0.9	5.5	
EX5214 – 43(P1)(P2)								

# EX5200 adjustment specifications

## Tape attaching

Unit = mm

								
EX5214 – 53(C3)	10.4~10.6	3.7~3.9	5.4~5.7	10.5	13.5	0.7~0.9	5.5	
EX5214 – 54/ <sup>433</sup> / <sub>443</sub>	11.8~12	4.1~4.3		11		0.9~1.1	7	
EX5214 – 54/445				11.8				
EX5214H – 55	14.4~14.6	3.7~3.9					1~1.2	8

adjustment  
specifi-  
cations

**F<sub>a</sub>**

EX 5200

## Backlatching

EX5204 – 82	10.4~10.6	3.7~3.9	4.4~4.7	10.8	14.5	0.7~0.9	5	
EX5214 – 83			5.4~5.7	10.5	13.5		5.5	
EX5214 – 84	11.8~12	4.1~4.3				11		0.9~1.1

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



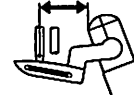


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F. a. 2 - 004

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# EX5200 adjustment specifications

## Automatic backlatching

Unit = mm

								
EX5204 – 82B	10.4~10.6	3.7~3.9	4.4~4.7	10.8	14.5	0.7~0.9	5	
EX5214 – 82B			5.4~5.7	10.5	13.5		5.5	
EX5214 – 83B					0.9~1.1			
EX5214 – 84B			11.8~12	4.1~4.3		11		7

adjustment  
specifi-  
cations

**F<sub>a</sub>**

EX 5200

## Versatile

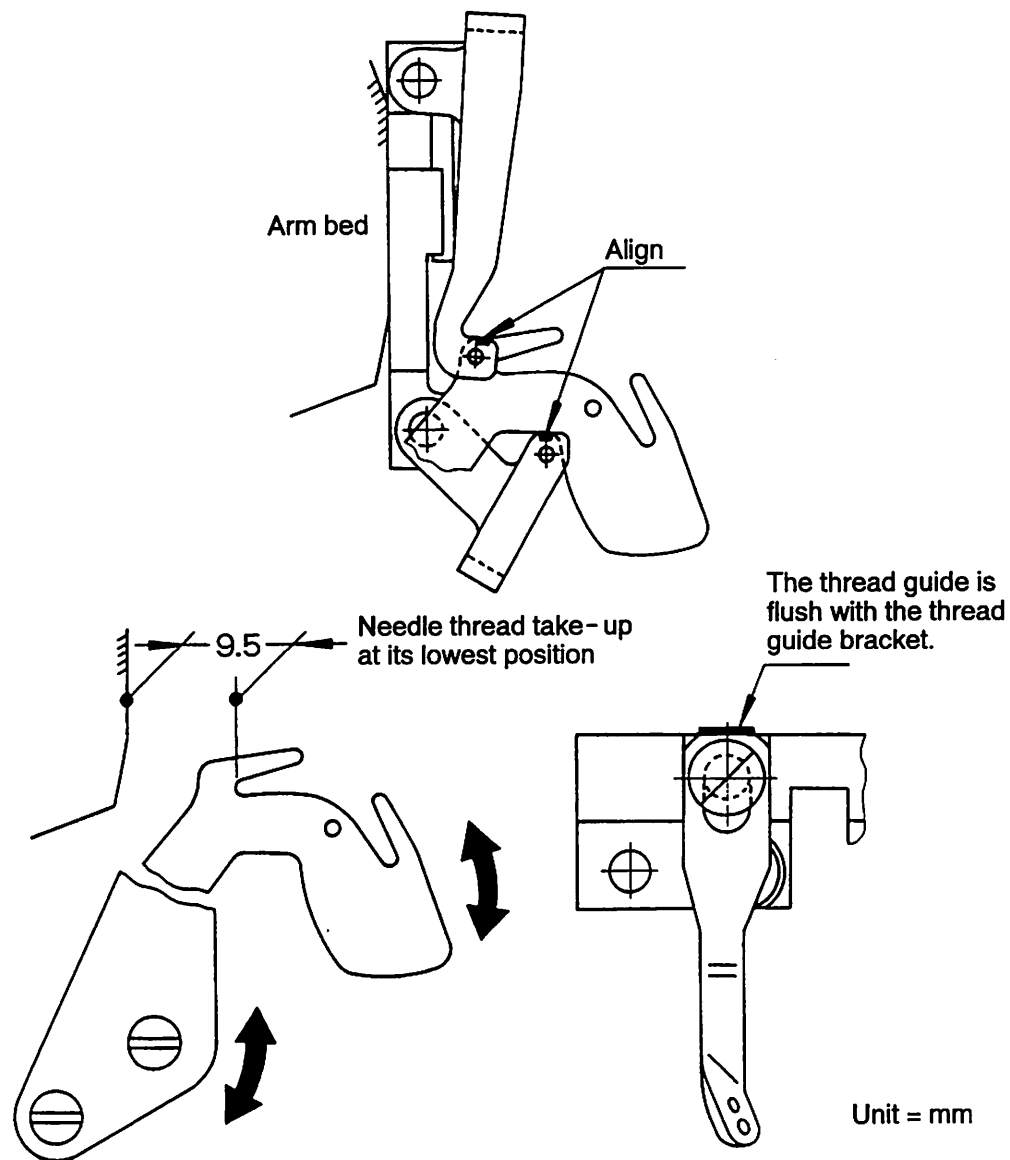
EX5204 – 92M1	10.4~10.6	3.7~3.9	4.4~4.7	10.8	14.5	0.7~0.9	5	
EX5214 – 92M2			4.9~5.2	10.7	14		5.5	

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F. a. 2 - 005

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# EX3200 needle thread take-up, thread guide adjustment specifications (2 - needle)



## Plain seaming

EX3215 - 01

EX3215 - 01A

EX3215 - 02

EX3215 - 02A

EX3215 - 03

EX3215 - 04

## Shirring

EX3215 - 42

EX3215 - 43

adjustment  
specifi-  
cations

**F<sub>b</sub>**

EX 3200

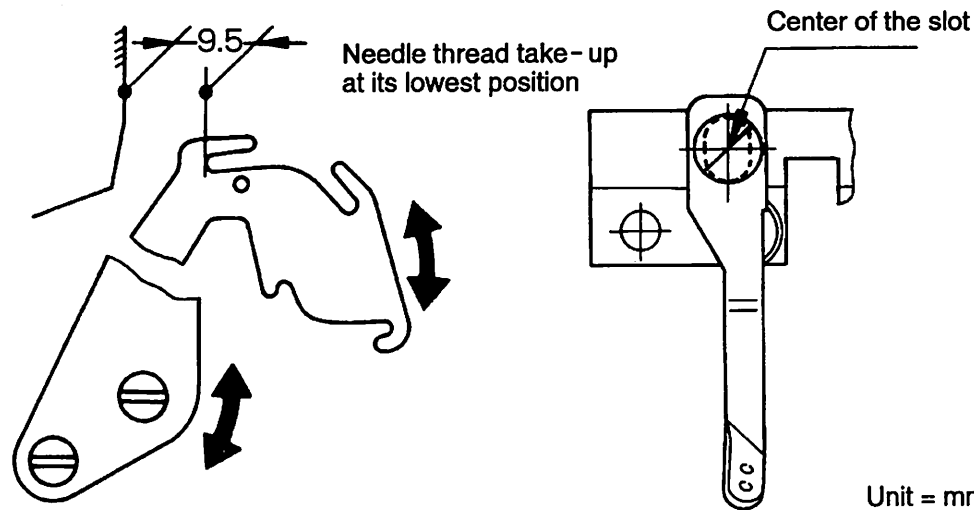
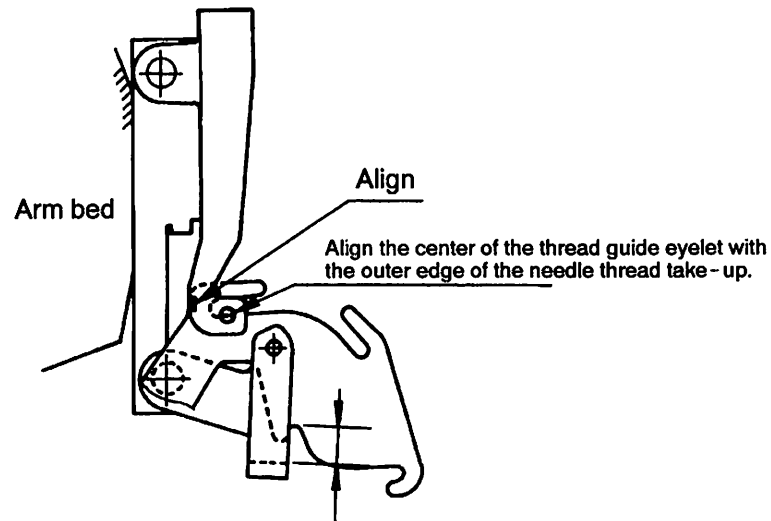
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# EX3200 needle thread take-up, thread guide adjustment specifications (2 - needle)



## Plain seaming

EX3215H - 05





adjustment  
specifications

**F<sub>b</sub>**

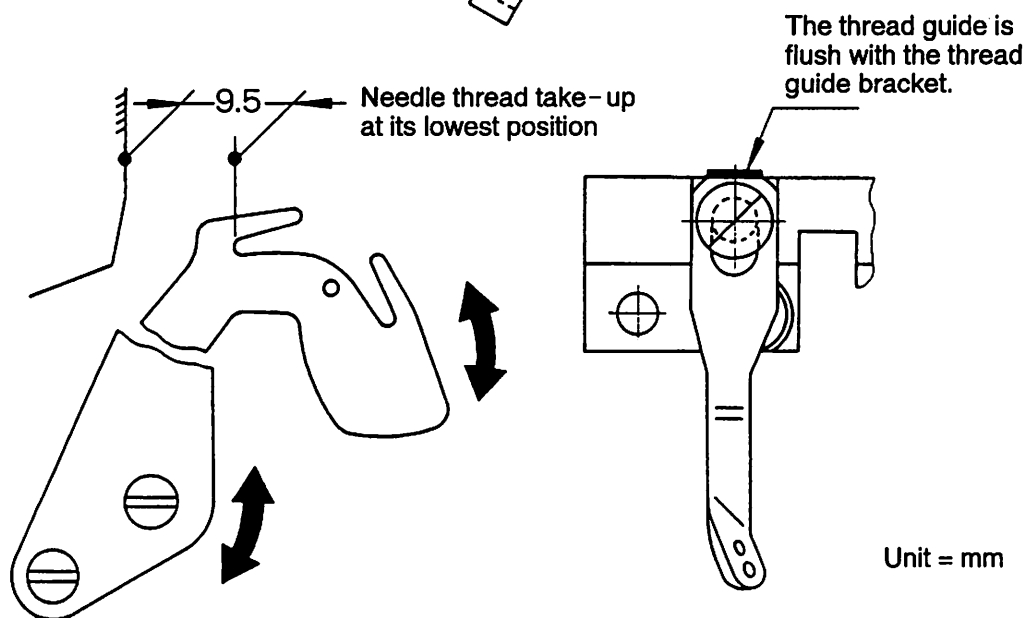
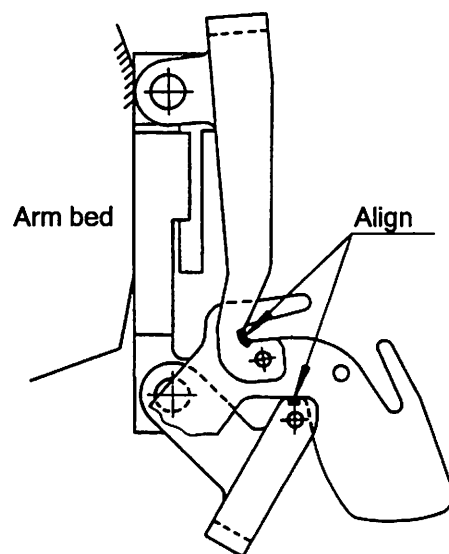
EX 3200

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EX Series Service Manual  
F. b. 1 - 002

From the library of: Superior Sewing Machine & Supply LLC

# EX3200 needle thread take-up, thread guide adjustment specifications (2 - needle)



Unit = mm

## Plain seaming

EX3216 - 01

EX3216 - 01A

EX3216 - 02

EX3216 - 02A

EX3216 - 03

EX3216 - 04

## Shirring

EX3216 - 42

EX3216 - 43

## Tape attaching

EX3216 - 53

adjustment  
specifications

**F<sub>b</sub>**

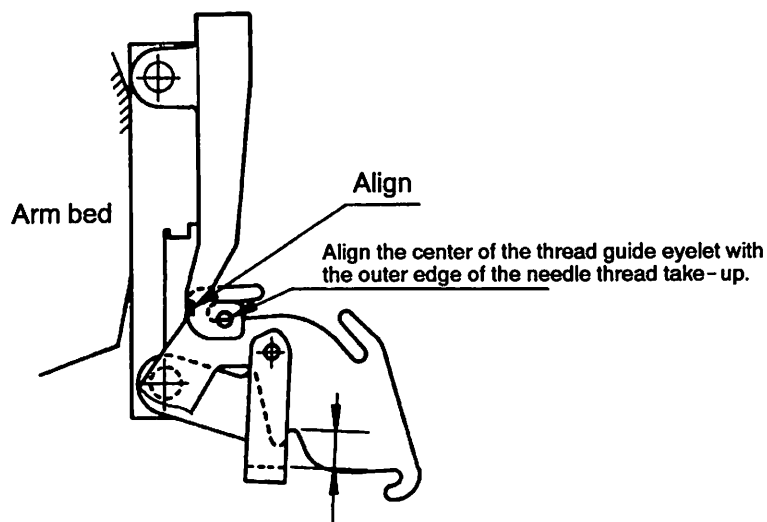
EX 3200

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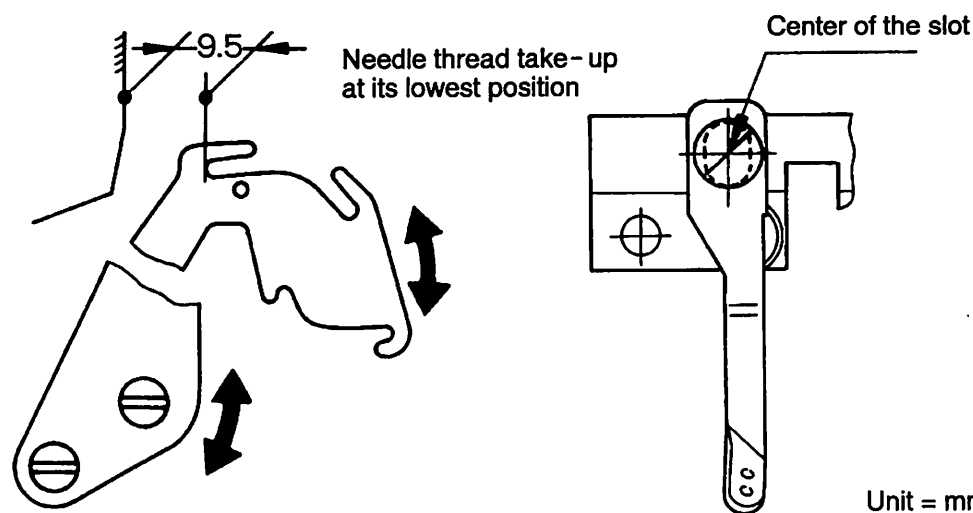
# EX3200 needle thread take-up, thread guide adjustment specifications (2 - needle)



Plain seaming

EX3216H - 05

EX3216H - 05



adjustment  
specifications

**F<sub>b</sub>**

EX 3200

**PEGASUS®**

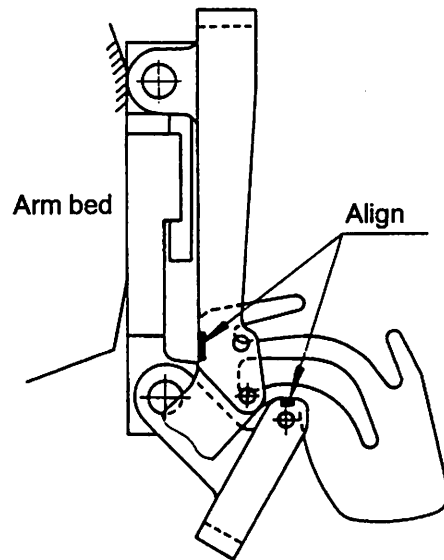
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EX Series Service Manual

F. b. 1 - 004

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# EX3200 needle thread take-up, thread guide adjustment specifications (3 - needle)



Plain seaming

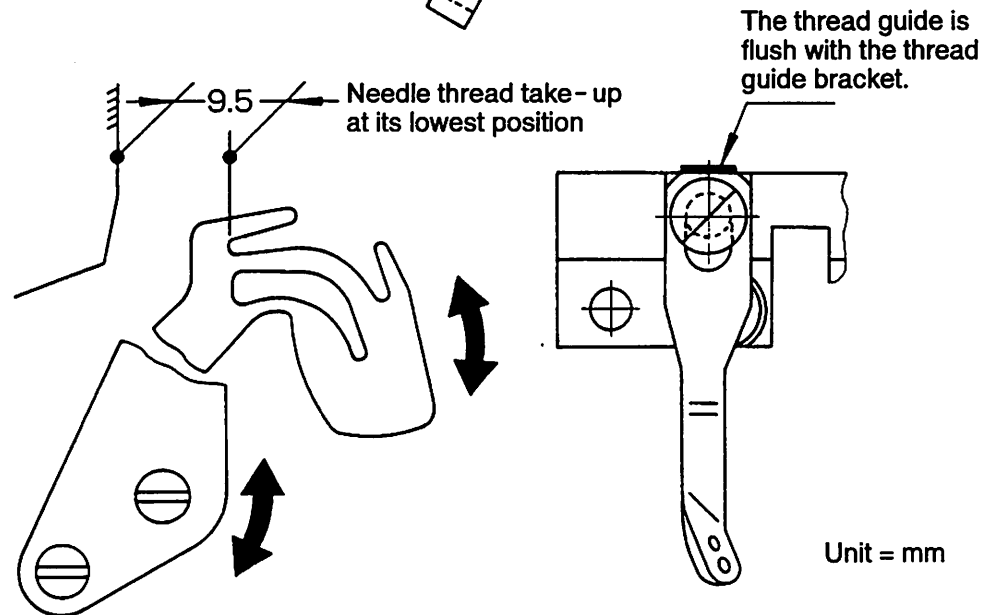
EX3244 - 03

EX3244 - 04

adjustment  
specifications

**F<sub>b</sub>**

EX 3200

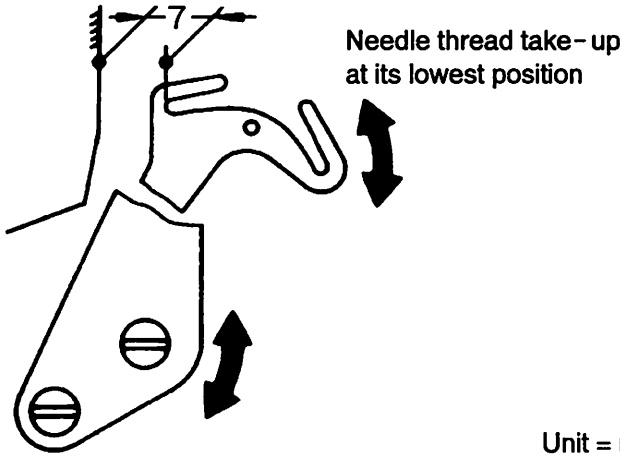
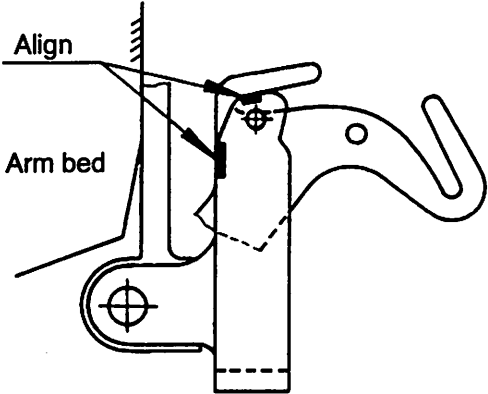


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F. b. 1 - 005

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**EX5200** needle thread take- up, thread guide  
adjustment specifications (1 - needle)



Unit = mm

Plain seaming

EX5204 - 01
EX5204 - 02
EX5204 - 02H

Serging

EX5203 - 22
EX5204 - 24

Turn - up/down  
hemming

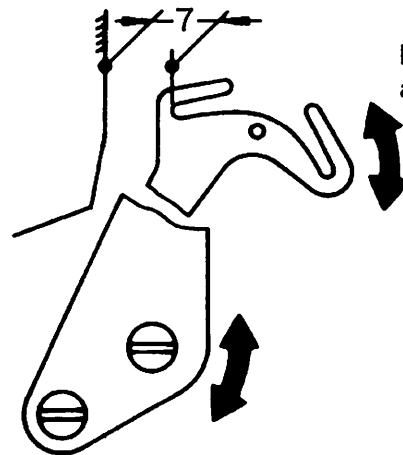
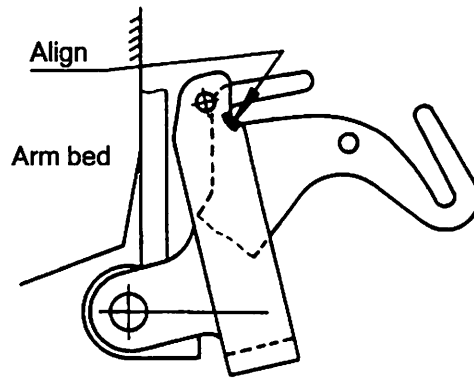
EX5204 - 32R1
EX5204 - 32R2


adjustment  
specifi-  
cations

**F<sub>b</sub>**

EX 5200

# EX5200 needle thread take-up, thread guide adjustment specifications (1 - needle)



Needle thread take-up  
at its lowest position

Unit = mm

Blindstitch hemming

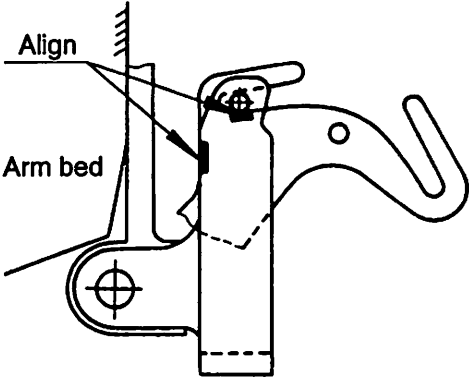
EX5203 - 12

adjustment  
specifications

**F<sub>b</sub>**

EX 5200

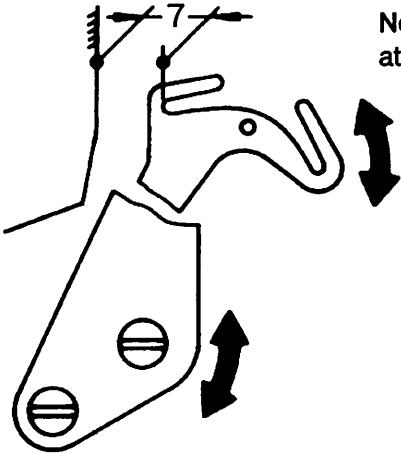
# **EX5200** needle thread take- up, thread guide adjustment specifications (1 - needle)



Blindstitch hemming

EX5205 – 12


adjustment  
specifi-  
cations

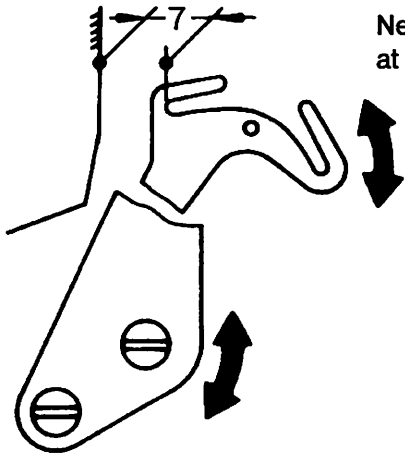
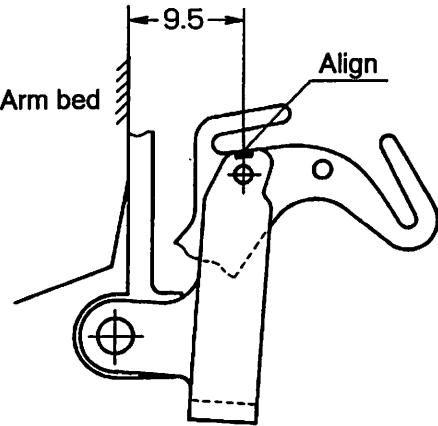


Needle thread take- up  
at its lowest position

Unit = mm

# EX5200

needle thread take- up, thread guide  
 adjustment specifications (1 - needle)



Needle thread take- up  
 at its lowest position

Unit = mm

Versatile

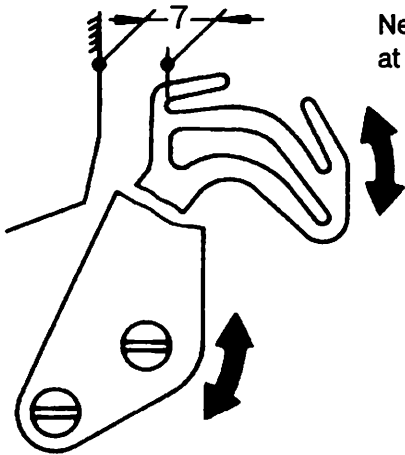
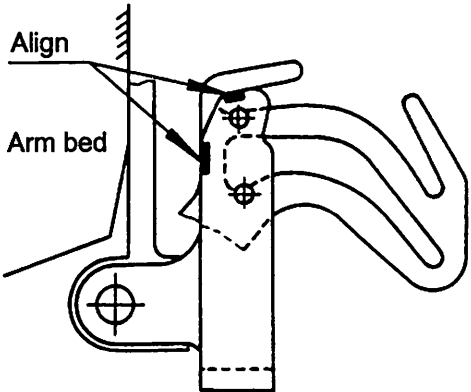
EX5204 – 92M1


adjustment  
 speci-  
 cations

**F<sub>b</sub>**  
 EX 5200



**EX5200** needle thread take-up, thread guide  
adjustment specifications (2 - needle)



Needle thread take-up  
at its lowest position

Unit = mm

Plain seaming

EX5212 - 02
EX5214 - 01
EX5214 - 03
EX5214 - 03C3

Serging

EX5214 - 24

Shirring

EX5214 - 43
EX5214 - 43P1
EX5214 - 43P2

Tape attaching

EX5214 - 53
EX5214 - 53C3
EX5214 - 54
EX5214H - 55

Backlatching

EX5214 - 83
EX5214 - 84

Automatic Backlatching

EX5214 - 82B
EX5214 - 83B
EX5214 - 84B

Versatile

EX5214 - 92M2

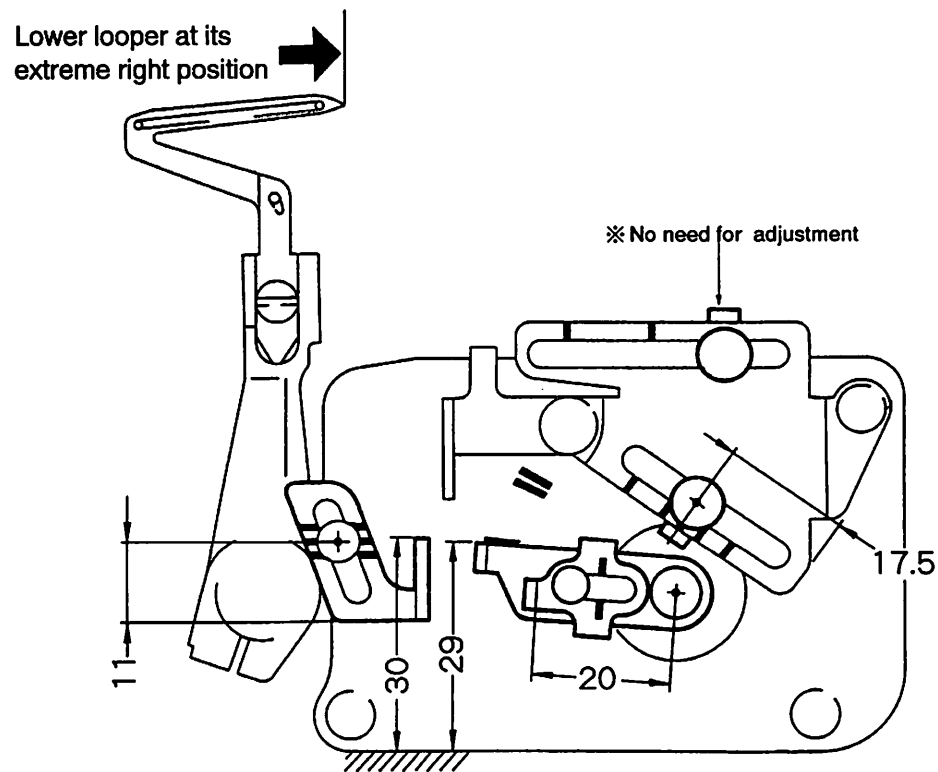
adjustment  
specifi-  
cations

**F<sub>b</sub>**

EX 5200

# EX3200

## looper thread take-up, thread guide adjustment specifications (2 - needle)



### Plain seaming

EX3215 - 01
EX3215 - 01A
EX3215 - 02
EX3215 - 02A
EX3215 - 03

### Shirring

EX3215 - 42
EX3215 - 43

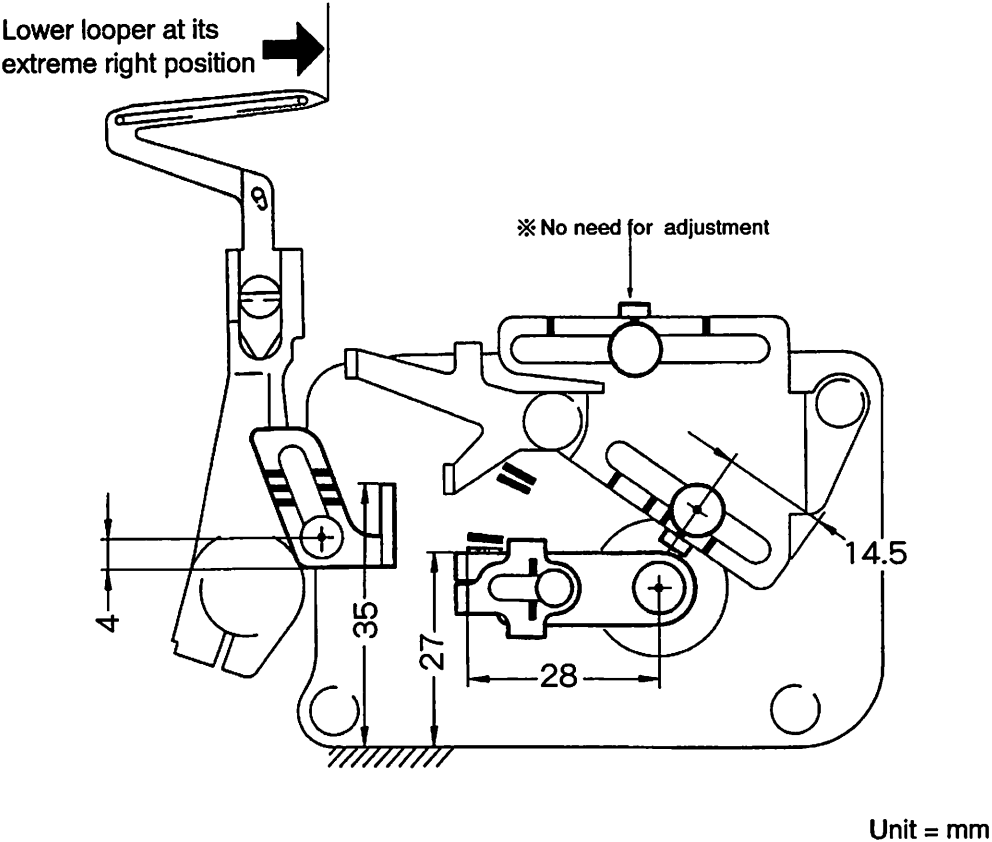
adjustment  
specifi-  
cations

**F<sub>C</sub>**

EX 3200

# EX3200

looper thread take-up, thread guide  
 adjustment specifications (2 - needle)



Plain seaming

EX3215 – 04

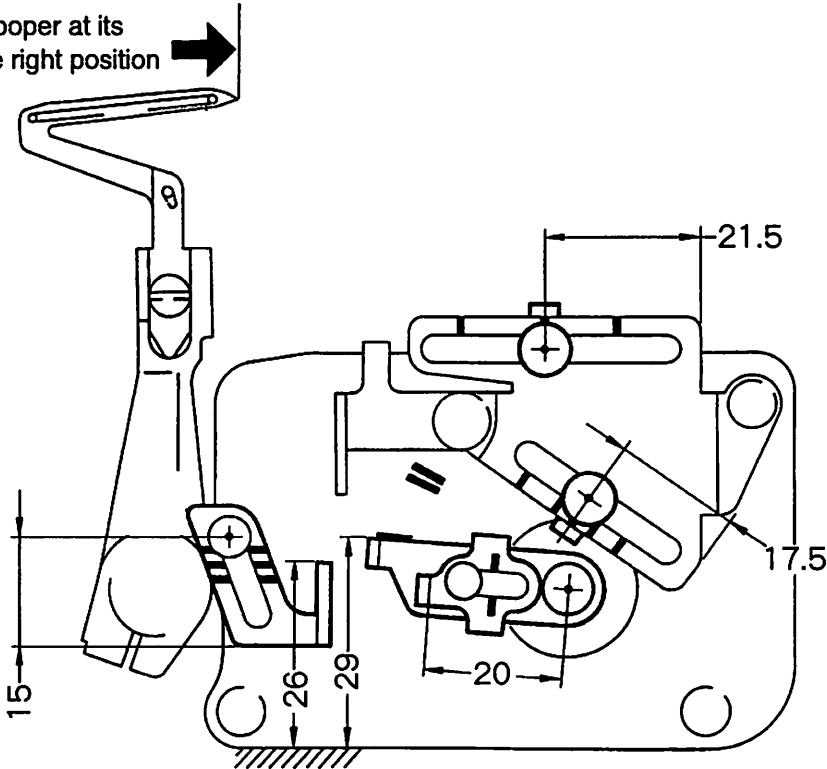

adjustment  
specifi-  
cations



EX 3200

# **EX3200** looper thread take-up, thread guide adjustment specifications (2 - needle)

Lower looper at its  
extreme right position



Unit = mm

## Plain seaming

EX3216 – 01
EX3216 – 01A
EX3216 – 02
EX3216 – 02A
EX3216 – 03

## Shirring

EX3216 – 42
EX3216 – 43

## Tape attaching

EX3216 – 53

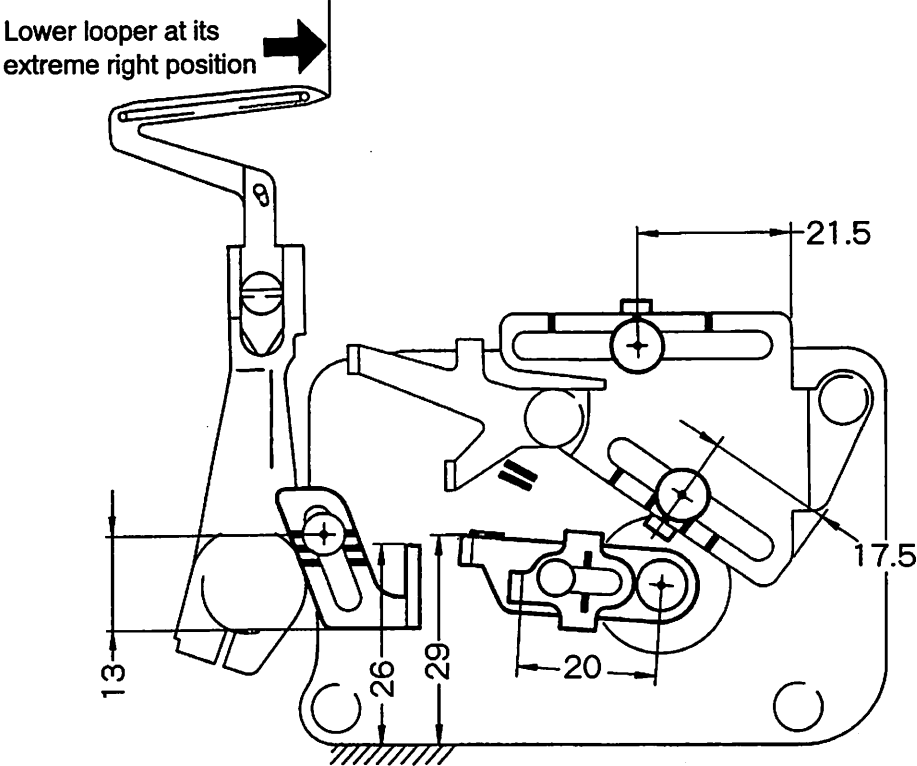

adjustment  
specifications



EX 3200

# EX3200

looper thread take-up, thread guide  
adjustment specifications (2 - needle)



Unit = mm

Plain seaming

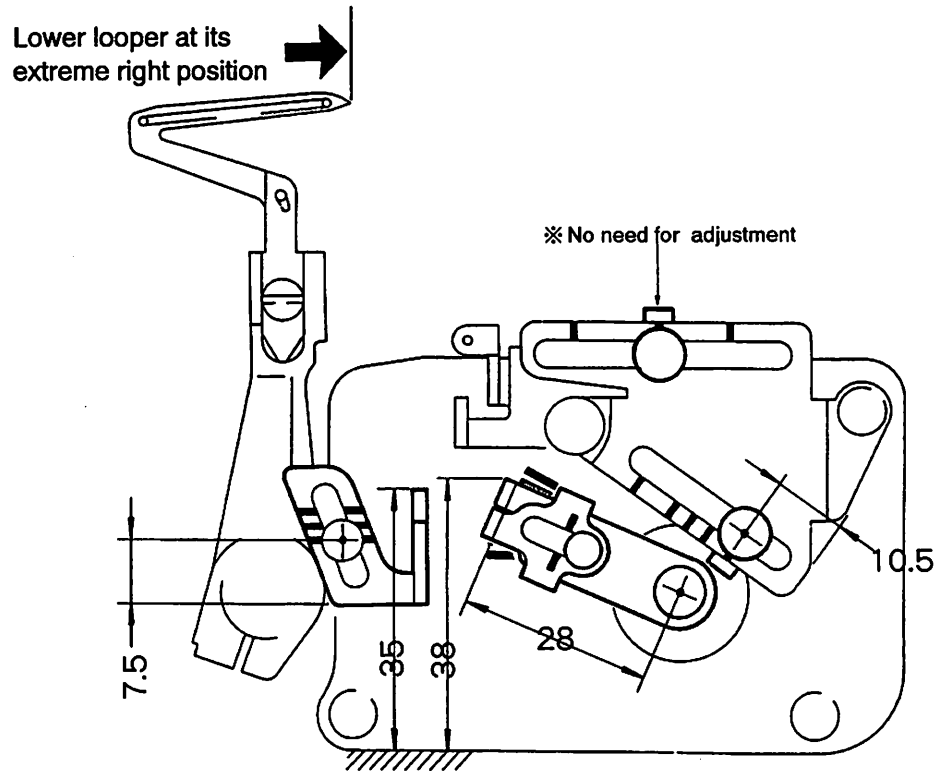
EX3216 – 04


adjustment  
specifications

F<sub>C</sub>

EX 3200

# EX3200 looper thread take-up, thread guide adjustment specifications (2 - needle)



Unit = mm

Tape attaching

EX3215H - 05

adjustment  
specifications

F<sub>c</sub>

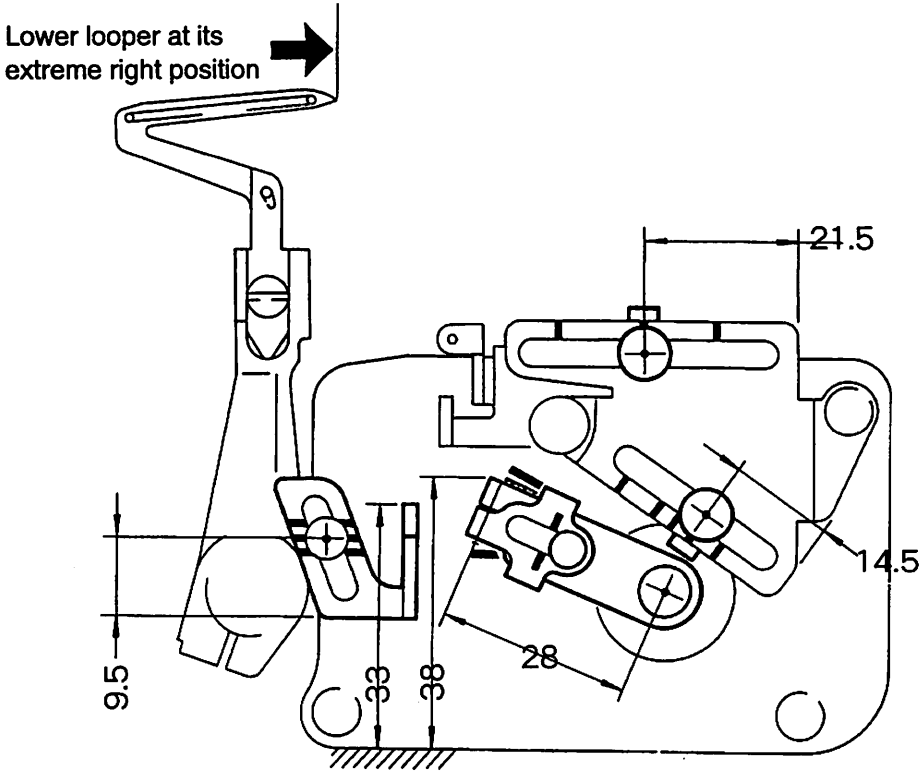
EX 3200

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# **EX3200** looper thread take-up, thread guide adjustment specifications (2 - needle)



Unit = mm

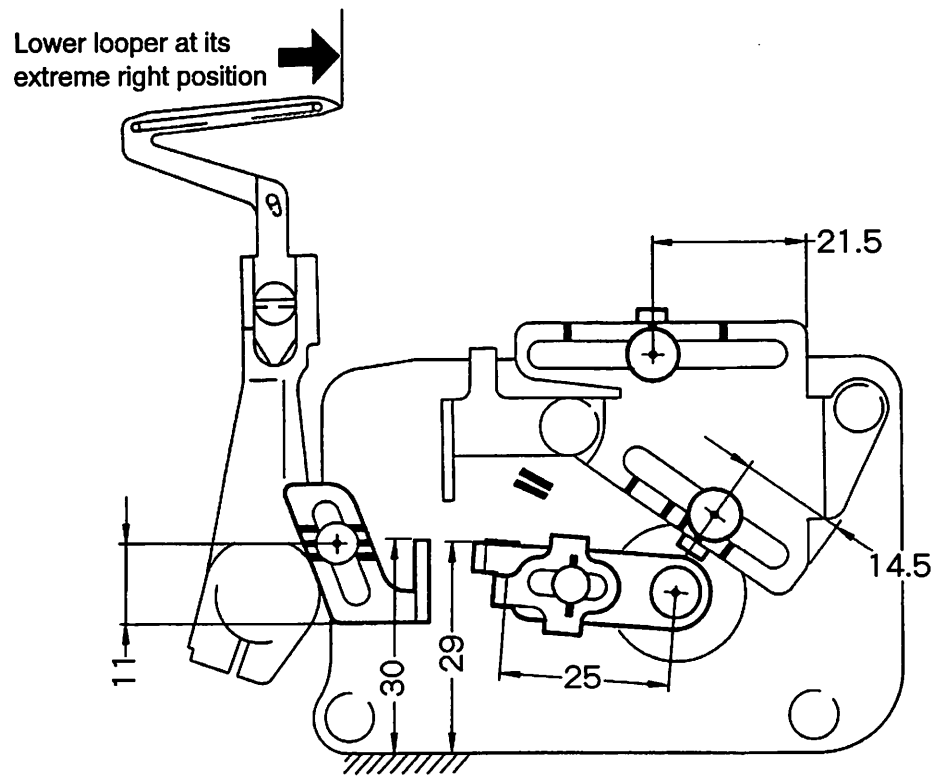
Tape attaching

**EX3216H – 05**

adjustment  
specifi-  
cations

**F<sub>c</sub>**  
EX 3200

# EX3200 looper thread take-up, thread guide adjustment specifications (3 - needle)



Unit = mm

Plain seaming

EX3244 - 03

adjustment  
specifi-  
cations

**F<sub>c</sub>**

EX 3200

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# EX3200    looper thread take- up, thread guide adjustment specifications (3 - needle)

Plain seaming

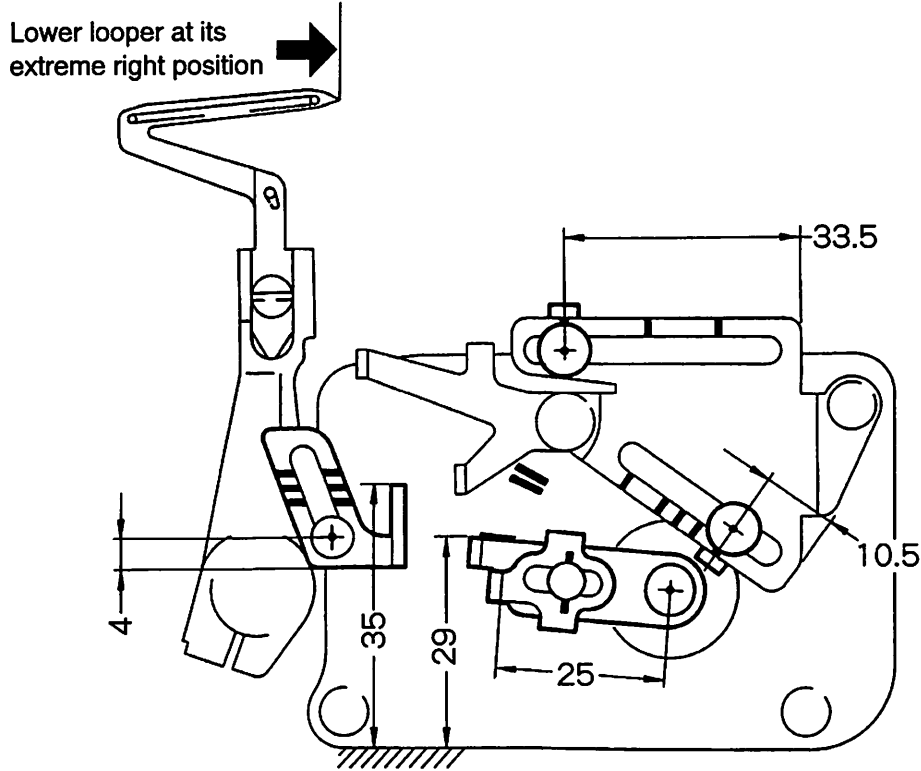
EX3244 – 04



adjustment  
specifi-  
cations

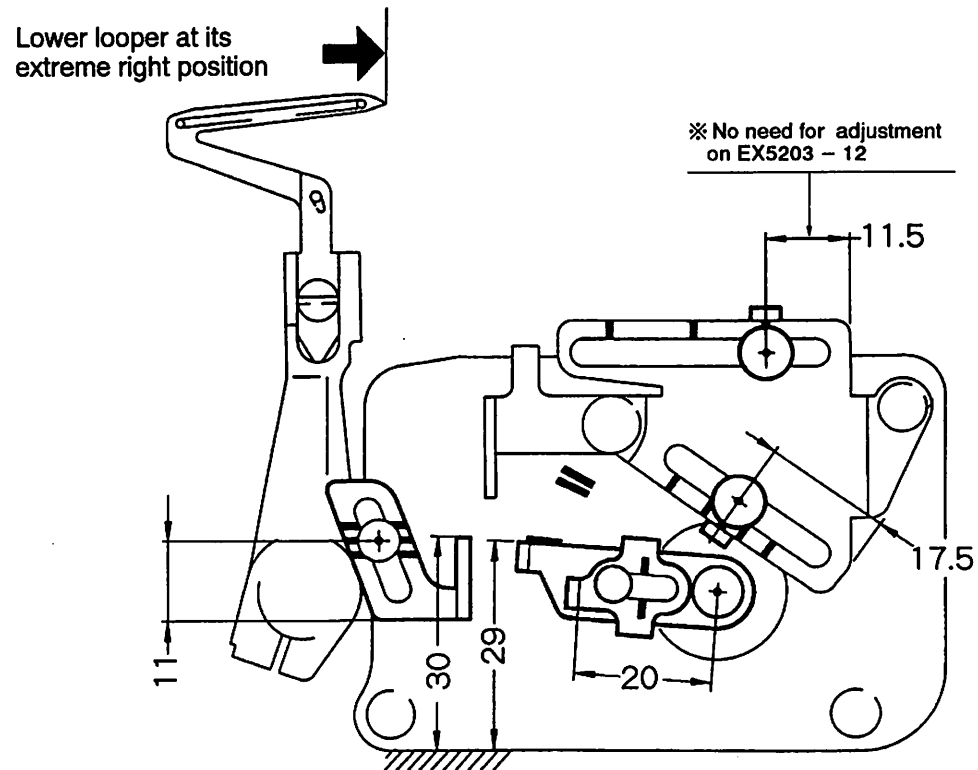
**F<sub>C</sub>**

EX 3200



Unit = mm

# EX5200 looper thread take-up, thread guide adjustment specifications (1 - needle)



Unit = mm

## Plain seaming

EX5204 - 01

EX5204 - 02

EX5204 - 02H

## Turn-up/down hemming

EX5204 - 32R1

EX5204 - 32R2

## Blindstitch hemming

EX5205 - 12

EX5203 - 12

adjustment  
specifi-  
cations

**F<sub>C</sub>**

EX 5200

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# EX5200

looper thread take-up, thread guide  
adjustment specifications (1 - needle)

Serging

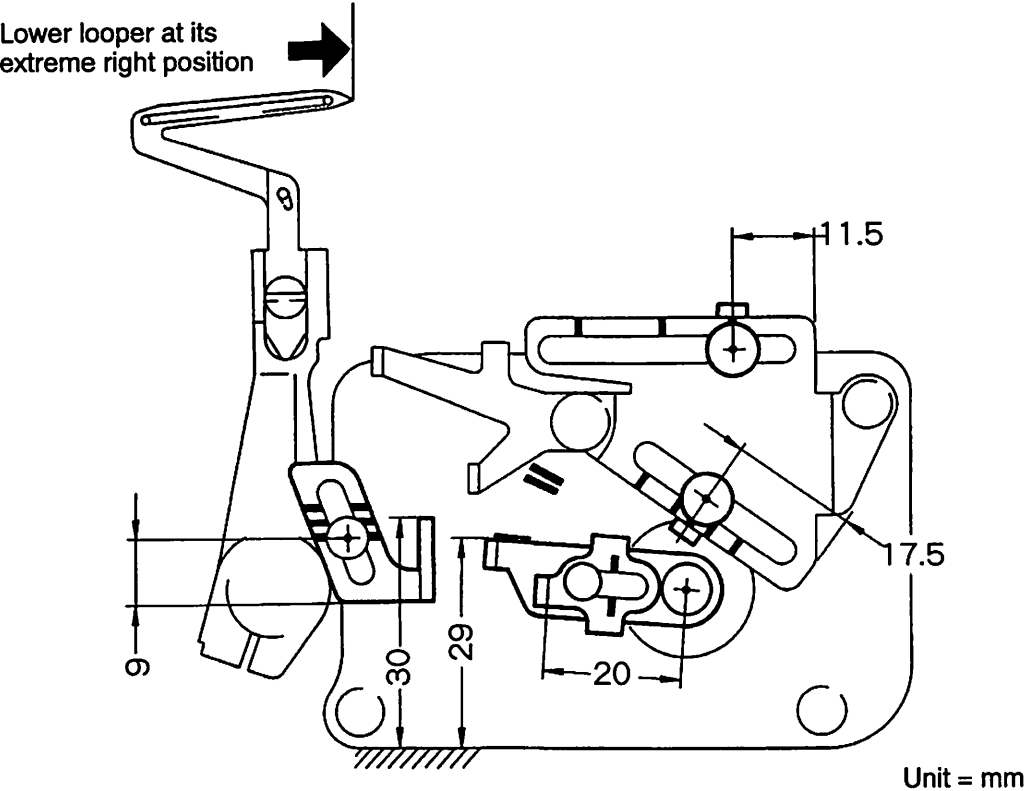
EX5204 - 24

EX5204 - 24


adjustment  
specifications



EX 5200



# EX5200

looper thread take-up, thread guide  
 adjustment specifications (1 - needle)

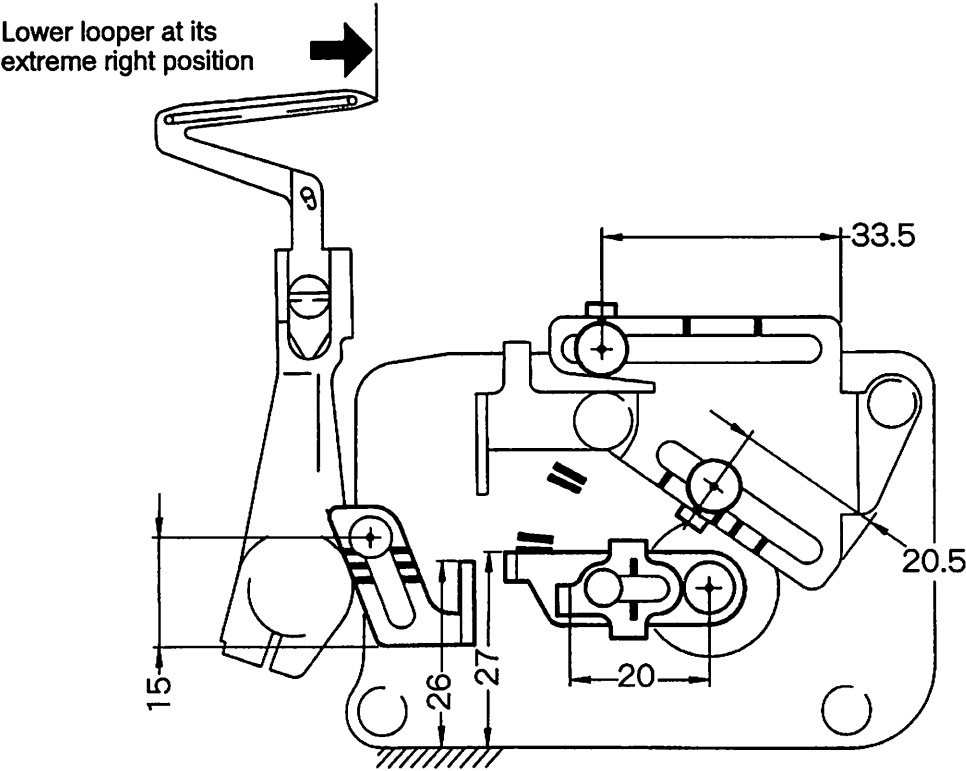
Backlatching

EX5204 -- 82

Automatic  
Backlatching

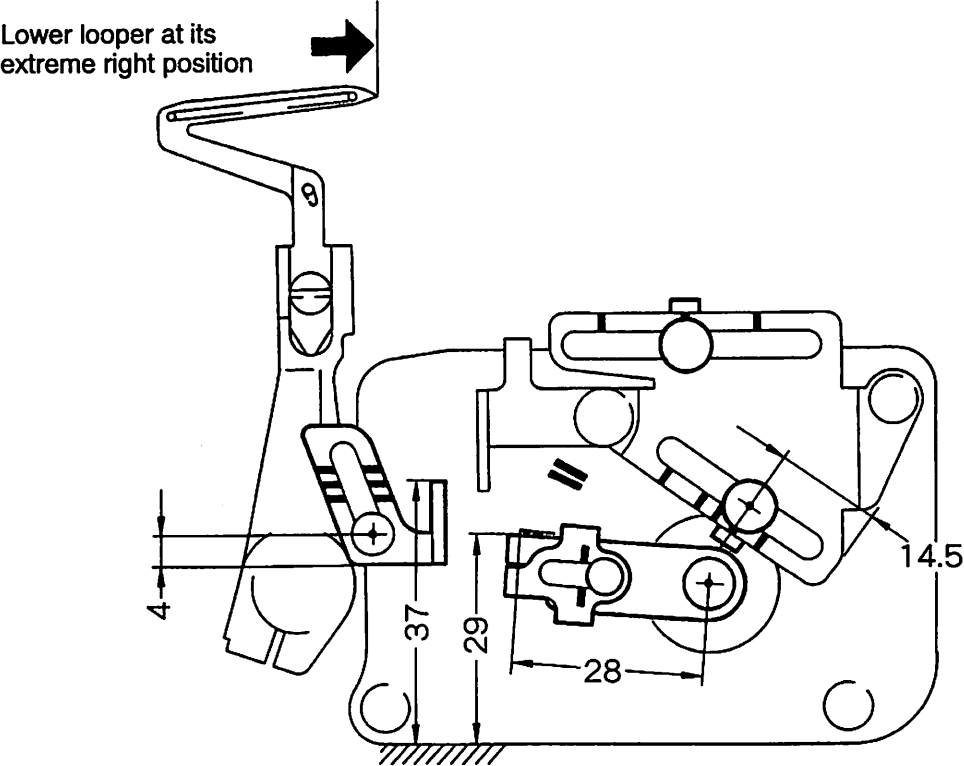
EX5204 -- 82B

adjustment  
specifi-  
cations



Unit = mm

# **EX5200** looper thread take- up, thread guide adjustment specifications (1 - needle)



Unit = mm

## Serging

EX5203 – 22

adjustment  
specifications

**F<sub>c</sub>**  
EX 5200

# EX5200

looper thread take-up, thread guide  
adjustment specifications (1 - needle)

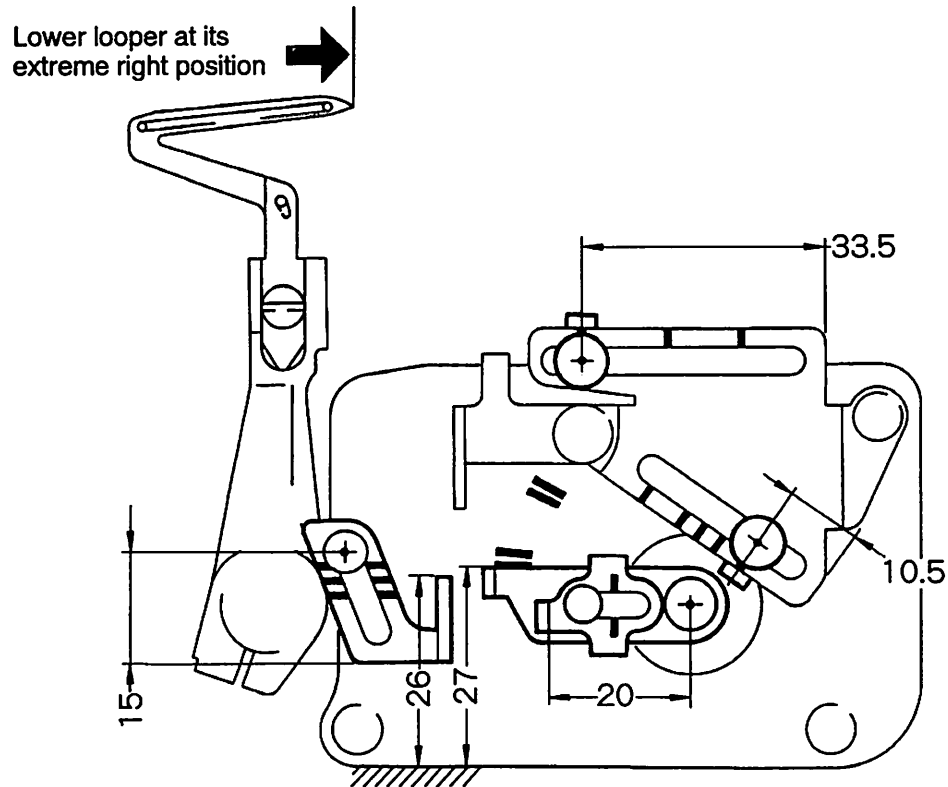
Versatile

EX5204 - 92M1

adjustment  
specifi-  
cations

**F<sub>c</sub>**

EX 5200



Unit = mm

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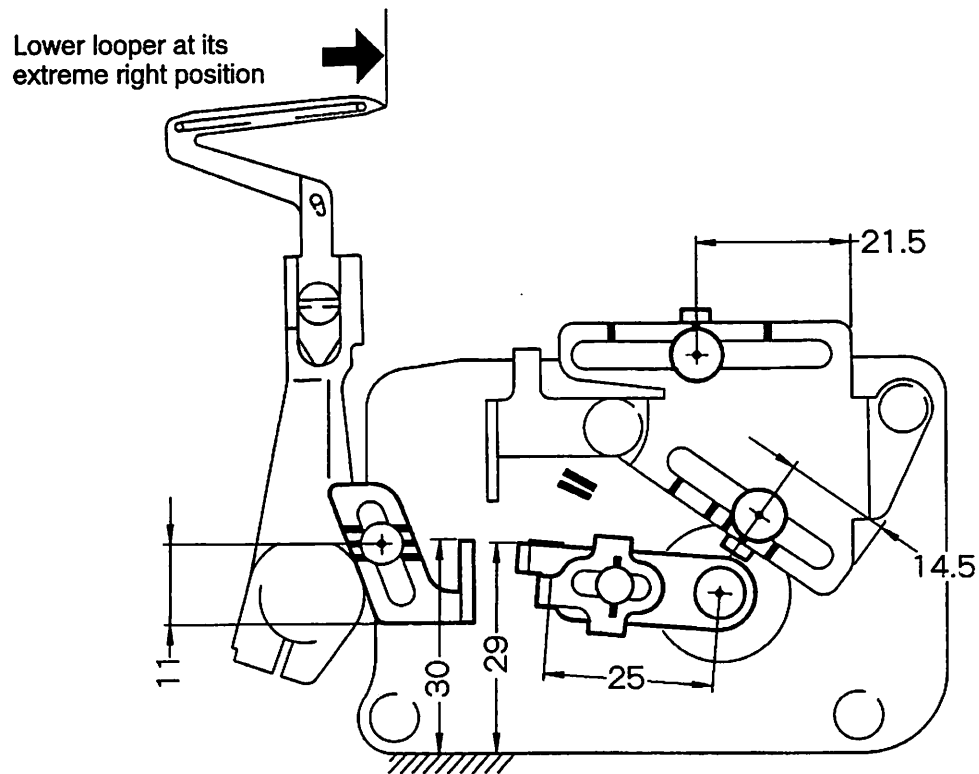
# EX5200 looper thread take-up, thread guide adjustment specifications (2 - needle)

Plain seaming

EX5214 - 01

Versatile

EX5214 - 92M2



Unit = mm

adjustment  
specifi-  
cations

**F<sub>C</sub>**

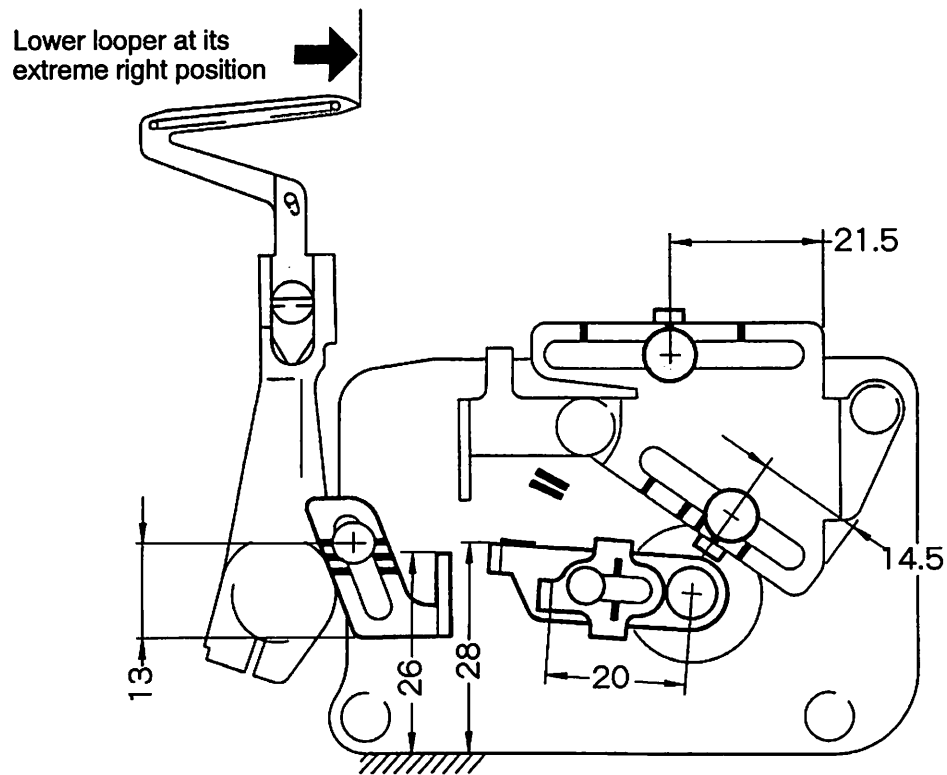
EX 5200

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# EX5200 looper thread take-up, thread guide adjustment specifications (2 - needle)



Unit = mm

## Plain seaming

EX5214 - 03

EX5214 - 03C3

## Shirring

EX5214 - 43

EX5214 - 43P1

EX5214 - 43P2

## Tape attaching

EX5214 - 53

EX5214 - 53C3

## Backlatching

EX5214 - 83

## Automatic backlatching

EX5214 - 82B

EX5214 - 83B

adjustment  
specifi-  
cations

**F<sub>c</sub>**

EX 5200

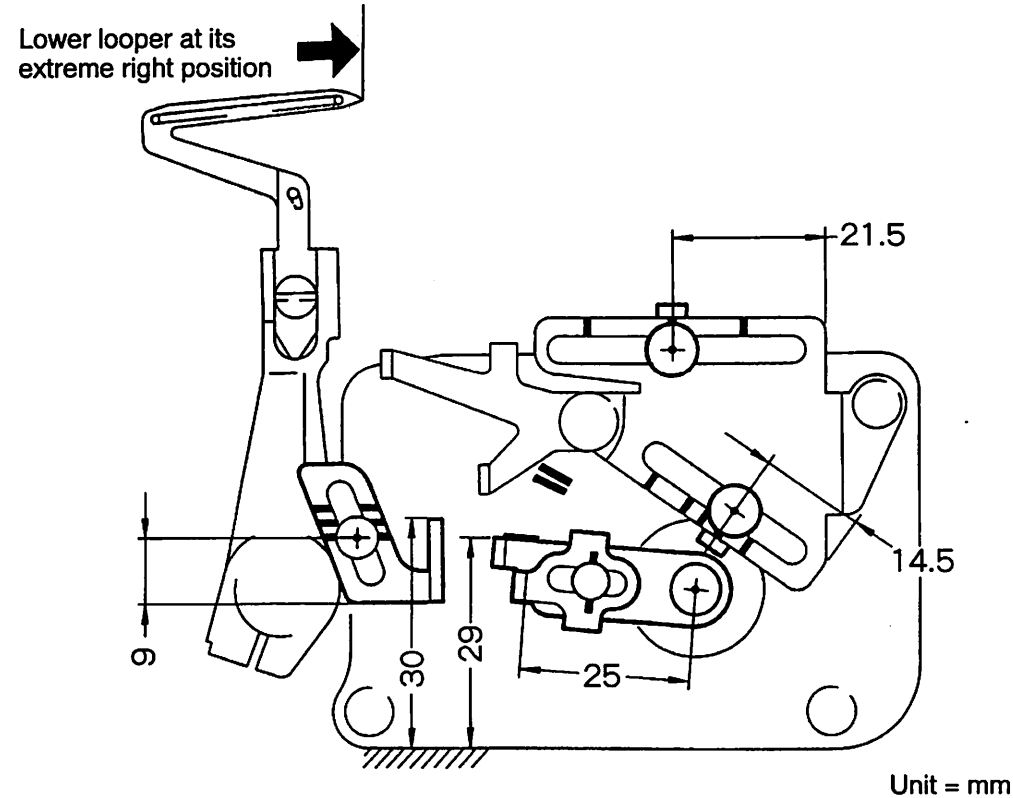
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# **EX5200** looper thread take- up, thread guide adjustment specifications (2 - needle)



## Serging

**EX5214 – 24**


## Tape attaching

**EX5214 – 54**


## Backlatching

**EX5214 – 84**


## Automatic backlatching

**EX5214 – 84B**


adjustment  
specifi-  
cations

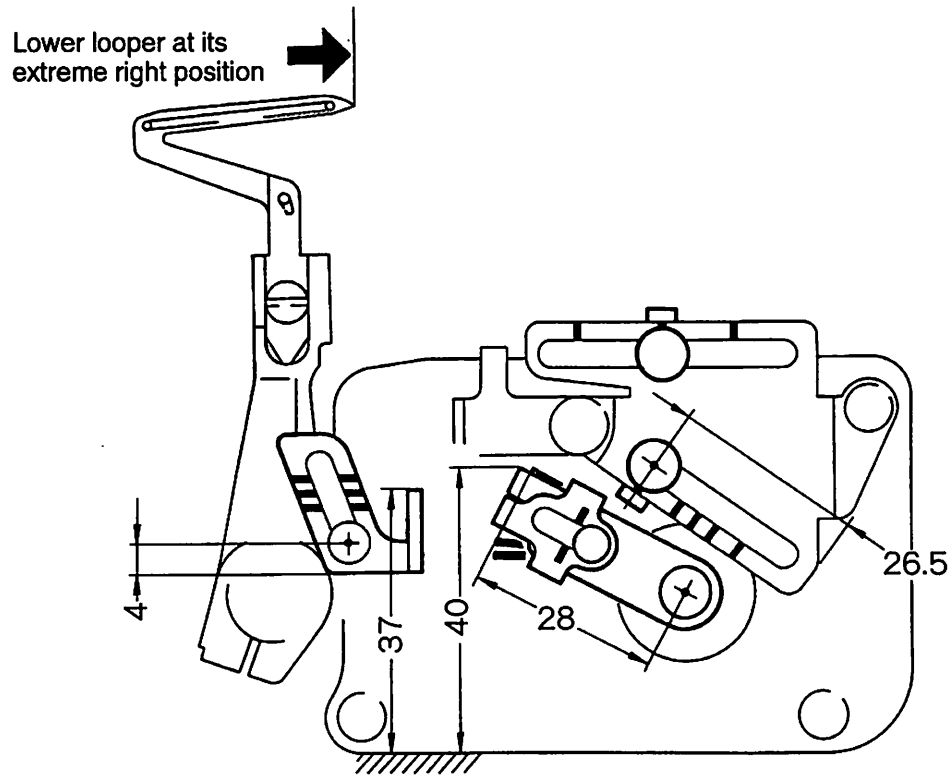
**F<sub>c</sub>**

EX 5200

# EX5200 looper thread take-up, thread guide adjustment specifications (2 - needle)

Plain seaming

EX5212 - 02



Unit = mm

adjustment  
specifi-  
cations  
**F<sub>c</sub>**  
EX 5200

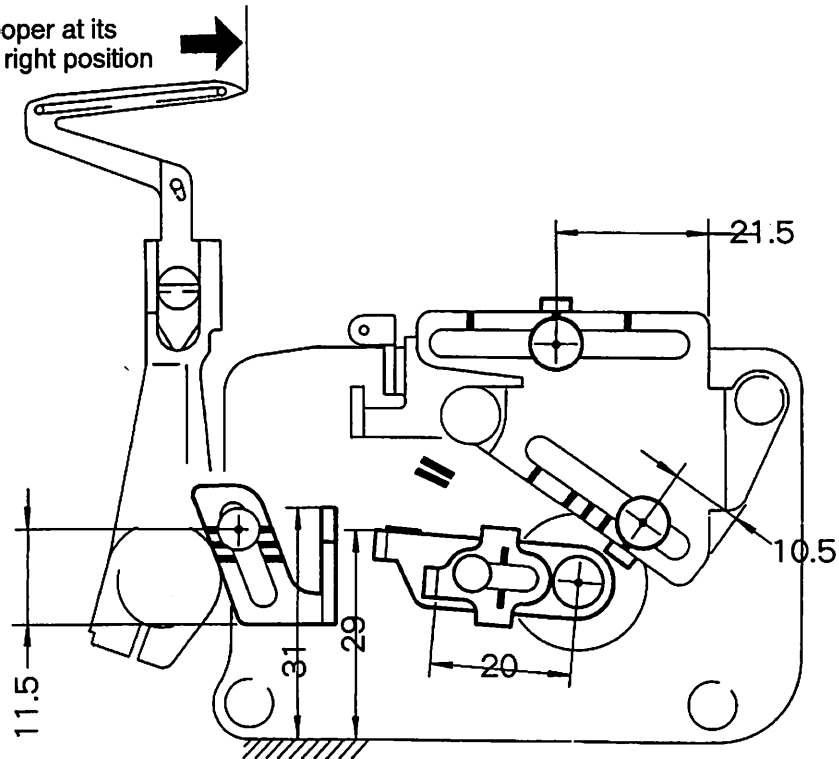
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# EX5200 looper thread take-up, thread guide adjustment specifications (2 - needle)

Lower looper at its extreme right position →



Unit = mm

Tape attaching

EX5214H - 55

EX5214H - 55




adjustment  
specifi-  
cations

**F<sub>c</sub>**

EX 5200

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# Application table of **EX3200/AT**

## Feature

Type	Driving system	Operation system	Remarks
<b>AT120</b>	Electric	Automatic (Manual available)	For VDE standards Without vacuum chain cutter
<b>AT121</b>	Electric	Automatic (Manual available)	For VDE standards Blower suction (with switching capability to suck each of thread chain and cutting waste)
<b>AT204</b>	Electric	Automatic (Manual available)	For VDE standards Venturi suction
<b>AT221</b>	Electric	Automatic (Manual available)	For VDE standards Venturi suction (with switching capability to suck each of thread chain and cutting waste)

## Plain seaming (2 - needle)

	<b>AT120</b>	<b>AT121</b>	<b>AT204</b>	<b>AT221</b>	
(15) <b>EX3216 – 01/222</b>	○	○	○	○	
(15) <b>EX3216 – 01A/222</b>	○	○	○	○	
(15) <b>EX3216 – 02/223</b>	○	○	○	○	
(15) <b>EX3216 – 02A/223</b>	○	○	○	○	
(15) <b>EX3216 – 03/233</b>	○	○	○	○	
(15) <b>EX3216 – 04/435</b>	○	○	○	○	
(15) <b>EX3216H – 05/535</b>	○	○	○	○	

## Plain seaming (3 - needle)

<b>EX3244 – 03/333</b>	○	○	○	○	
<b>EX3244 – 04/435</b>	○	○	○	○	

Application  
table of  
AT



EX 3200

# Application table of EX3200/AT

## Feature

Type	Driving system	Operation system	Remarks
<b>AT120</b>	Electric	Automatic (Manual available)	For VDE standards Without vacuum chain cutter
<b>AT121</b>	Electric	Automatic (Manual available)	For VDE standards Blower suction (with switching capability to suck each of thread chain and cutting waste)
<b>AT204</b>	Electric	Automatic (Manual available)	For VDE standards Venturi suction
<b>AT221</b>	Electric	Automatic (Manual available)	For VDE standards Venturi suction (with switching capability to suck each of thread chain and cutting waste)

## Shirring ( P : piping)

	<b>AT120</b>	<b>AT121</b>	<b>AT204</b>	<b>AT221</b>	
<b>(15)</b> <b>EX3216 – 42/233</b>	○	○	○	○	
<b>(15)</b> <b>EX3216 – 43/335</b>	○	○	○	○	

## Tape attaching

<b>EX3216 – 53/233</b>	○	○	○	○	

Application  
table of  
AT



EX 3200

# Application table of EX5200/AT

## Feature

Type	Driving system	Operation system	Remarks
<b>AT120</b>	Electric	Automatic (Manual available)	For VDE standards Without vacuum chain cutter
<b>AT121</b>	Electric	Automatic (Manual available)	For VDE standards Blower suction (with switching capability to suck each of thread chain and cutting waste)
<b>AT204</b>	Electric	Automatic (Manual available)	For VDE standards Venturi suction
<b>AT221</b>	Electric	Automatic (Manual available)	For VDE standards Venturi suction (with switching capability to suck each of thread chain and cutting waste)

## Plain seaming (1 - needle)

	<b>AT120</b>	<b>AT121</b>	<b>AT204</b>	<b>AT221</b>	
<b>EX5204 - 01/223</b>	○	○	○	○	
<b>EX5204 - 02/233</b>	○	○	○	○	

## Plain seaming (2 - needle)

<b>EX5214 - 01/233</b>	○	○	○	○	
<b>EX5214 - 03/333</b>	○	○	○	○	
<b>EX5214 - 03C3/333</b>	○	○	○	○	

Application  
table of  
AT



EX 5200

# Application table of EX5200/AT

## Feature

Type	Driving system	Operation system	Remarks
<b>AT120</b>	Electric	Automatic (Manual available)	For VDE standards Without vacuum chain cutter
<b>AT121</b>	Electric	Automatic (Manual available)	For VDE standards Blower suction (with switching capability to suck each of thread chain and cutting waste)
<b>AT204</b>	Electric	Automatic (Manual available)	For VDE standards Venturi suction
<b>AT221</b>	Electric	Automatic (Manual available)	For VDE standards Venturi suction (with switching capability to suck each of thread chain and cutting waste)

## Serging

	AT120	AT121	AT204	AT221	
<b>EX5203 – 22/233</b>	○	○	○	○	
<b>EX5204 – 24/455</b>	○	○	○	○	
<b>EX5214 – 24/445</b>	○	○	○	○	

## Turn – up/down hemming

<b>EX5204 – 32R1/223</b>	○	○	○	○	
<b>EX5204 – 32R2/223L</b>	○	○	○	○	
<b>EX5204 – 32R2/223</b>	○	○	○	○	

Application  
table of  
AT



EX 5200

# Application table of EX5200/AT

## Feature

Type	Driving system	Operation system	Remarks
<b>AT120</b>	Electric	Automatic (Manual available)	For VDE standards Without vacuum chain cutter
<b>AT121</b>	Electric	Automatic (Manual available)	For VDE standards Blower suction (with switching capability to suck each of thread chain and cutting waste)
<b>AT204</b>	Electric	Automatic (Manual available)	For VDE standards Venturi suction
<b>AT221</b>	Electric	Automatic (Manual available)	For VDE standards Venturi suction (with switching capability to suck each of thread chain and cutting waste)

## Shirring ( P : piping)

	<b>AT120</b>	<b>AT121</b>	<b>AT204</b>	<b>AT221</b>	
<b>EX5214 – 43/333</b>	○	○	○	○	
<b>EX5214 – 43P1/333</b>	○	○	○	○	
<b>EX5214 – 43P2/333</b>	○	○	○	○	

## Tape attaching

<b>EX5214 – 53/333</b>	○	○	○	○	
<b>EX5214 – 53C3/333</b>	○	○	○	○	
<b>EX5214 – 54/433</b>	○	○	○	○	
<b>EX5214 – 54/443</b>	○	○	○	○	
<b>EX5214 – 54/445</b>	○	○	○	○	
<b>EX5214H – 55/545</b>	○	○	○	○	

Application  
table of  
AT



EX 5200



# Component parts list for **EX/AT**

Type	Feature	Component part							Special part		Equipment
		Tape cutter	Solenoid complete	Sensor set	Dust drum set	Manual switch complete	AT controller	Power source cord	Fan complete	Cloth plate	Blower
<b>AT120</b>	Without vacuum chain cutter	<b>308000 - 91 91Y</b>	<b>811073 - 91</b>	<b>308016 - 91 91Y</b>	—	<b>303510</b>	<b>760153 - 91</b>	(100V) <b>742244A91</b>	<b>270505B</b>	Narrow type <b>270037A</b>  Wide type <b>270035A</b>	—
<b>AT121</b>	With switching capability to suck each of thread chain and cutting waste Blower motor				<b>300388A9J</b>			(200V) <b>742244 - 91</b>			<b>500005,500006,500007 500008,500009,500011 500013,500015,500017</b>
<b>AT204</b>	With vacuum chain cutter Venturi suction				<b>300517 - 91</b>			(220V) <b>742244B91</b>			—
<b>AT221</b>	With switching capability to suck each of thread chain and cutting waste Venturi suction				<b>300414A9J</b>			(240V) <b>742244C91</b>			

Component parts list for AT



EX Series

# Application table of EX3200/TK

## Feature

Type	Driving system	Operation system	Remarks
<b>TK020</b>	Electric (output 200V)	Finger switch	For Japan, Southeast Asia
<b>TK021</b>	Electric (output 200V)	Knee switch	For Japan, Southeast Asia
<b>TK022</b>	Pneumatic	Knee switch	
<b>TK120</b>	Electric	Finger switch	For VDE standards
<b>TK121</b>	Electric	Knee switch	For VDE standards

## Plain seaming (2-needle)

	TK020	TK021	TK022	TK120	TK121
(15) <b>EX3216 – 01/222</b>	○	○	○	○	○
(15) <b>EX3216 – 01A/222</b>	○	○	○	○	○
(15) <b>EX3216 – 02/223</b>	○	○	○	○	○
(15) <b>EX3216 – 02A/223</b>	○	○	○	○	○
(15) <b>EX3216 – 03/233</b>	○	○	○	○	○
(15) <b>EX3216 – 04/435</b>	○	○	○	○	○
(15) <b>EX3216H – 05/535</b>			○	○	○

Application  
table of  
TK



EX 3200

## Plain seaming (3-needle)

<b>EX3244 – 03/333</b>	○	○	○	○	○
<b>EX3244 – 04/435</b>	○	○	○	○	○

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# Application table of EX3200/TK

## Feature

Type	Driving system	Operation system	Remarks
<b>TK020</b>	Electric (output 200V)	Finger switch	For Japan, Southeast Asia
<b>TK021</b>	Electric (output 200V)	Knee switch	For Japan, Southeast Asia
<b>TK022</b>	Pneumatic	Knee switch	
<b>TK120</b>	Electric	Finger switch	For VDE standards
<b>TK121</b>	Electric	Knee switch	For VDE standards

## Shirring (P: piping)

	TK020	TK021	TK022	TK120	TK121
<b>(15) EX3216 – 42/233</b>	○	○	○	○	○
<b>(15) EX3216 – 43/335</b>	○	○	○	○	○

## Tape attaching

<b>EX3216 – 53/233</b>	○	○	○	○	○

Application  
table of  
TK



EX 3200

# Application table of EX5200/TK

## Feature

Type	Driving system	Operation system	Remarks
<b>TK020</b>	Electric (output 200V)	Finger switch	For Japan, Southeast Asia
<b>TK021</b>	Electric (output 200V)	Knee switch	For Japan, Southeast Asia
<b>TK022</b>	Pneumatic	Knee switch	
<b>TK120</b>	Electric	Finger switch	For VDE standards
<b>TK121</b>	Electric	Knee switch	For VDE standards

## Plain seaming (1 - needle)

	TK020	TK021	TK022	TK120	TK121
<b>EX5204 – 01/223</b>	○	○	○	○	○
<b>EX5204 – 02/233</b>	○	○	○	○	○

## Plain seaming (2 - needle)

<b>EX5214 – 01/233</b>	○	○	○	○	○
<b>EX5214 – 03/333</b>	○	○	○	○	○
<b>EX5214 – 03C3/333</b>	○	○	○	○	○

Application  
table of  
TK



EX 5200

# Application table of EX5200/TK

## Feature

Type	Driving system	Operation system	Remarks
<b>TK020</b>	Electric (output 200V)	Finger switch	For Japan, Southeast Asia
<b>TK021</b>	Electric (output 200V)	Knee switch	For Japan, Southeast Asia
<b>TK022</b>	Pneumatic	Knee switch	
<b>TK120</b>	Electric	Finger switch	For VDE standards
<b>TK121</b>	Electric	Knee switch	For VDE standards

## Serging

	TK020	TK021	TK022	TK120	TK121
<b>EX5203 – 22/233</b>	○	○	○	○	○
<b>EX5204 – 24/455</b>	○	○	○	○	○
<b>EX5214 – 24/445</b>	○	○	○	○	○

## Turn- up/down hemming

<b>EX5204 – 32R1/223</b>	○	○	○	○	○
<b>EX5204 – 32R2/223L</b>	○	○	○	○	○
<b>EX5204 – 32R2/223</b>	○	○	○	○	○

Application  
table of  
TK



EX 5200

# Application table of EX5200/TK

## Feature

Type	Driving system	Operation system	Remarks
<b>TK020</b>	Electric (output 200V)	Finger switch	For Japan, Southeast Asia
<b>TK021</b>	Electric (output 200V)	Knee switch	For Japan, Southeast Asia
<b>TK022</b>	Pneumatic	Knee switch	
<b>TK120</b>	Electric	Finger switch	For VDE standards
<b>TK121</b>	Electric	Knee switch	For VDE standards

## Shirring (P: piping)

	TK020	TK021	TK022	TK120	TK121
<b>EX5214 – 43/333</b>	○	○	○	○	○
<b>EX5214 – 43P1/333</b>	○	○	○	○	○
<b>EX5214 – 43P2/333</b>	○	○	○	○	○

## Tape attaching

<b>EX5214 – 53/333</b>	○	○	○	○	○
<b>EX5214 – 53C3/333</b>	○	○	○	○	○
<b>EX5214 – 54/433</b>	○	○	○	○	○
<b>EX5214 – 54/443</b>	○	○	○	○	○
<b>EX5214 – 54/445</b>	○	○	○	○	○
<b>EX5214H – 55/545</b>	○	○	○	○	○

Application  
table of  
TK



EX 5200

# Component parts list for EX/TK

Type	Feature		Component part								
	Driving system	Cutting system	Tape cutter complete	Solenoid complete	Air cylinder complete	Manual switch complete	Knee switch complete	Bracket complete	Control unit	TK controller	Power source cord
TK020	Electric (output 200V)	Manual switch	308000 – 91 – 91Y	811018	–	303510	–	–	–	(100V) 760041 (200V) 760040 (220V) 760040 (240V) 760040 (380V) 760044	–
TK021		Knee switch				–	708004	303010			
TK022	Pneumatic	Knee switch		–	513016		–	–	605008 – 91	–	
TK120	Electric	Manual switch		811073 – 91	–	303510	–	–	–	760154 – 91	(100V) 742257A91 (200V) 742257 – 91 (220V) 742257B91 (240V) 742257C91
TK121		Knee switch				–	708004	303010			

Component  
parts list for  
TK



EX Series

# Application table of EX3200/KS

## Feature

Type	Driving system	Operation system	Remarks
<b>KS372</b>	Upper knife holder driven	—	Rear suction type
<b>KS373</b>	Upper knife holder driven	—	Rear suction type (with blower pipe)

## Plain seaming (2-needle)

	<b>KS372</b>	<b>KS373</b>			
(15) <b>EX3216 – 01/222</b>	○	○			
(15) <b>EX3216 – 01A/222</b>	○	○			
(15) <b>EX3216 – 02/223</b>	○	○			
(15) <b>EX3216 – 02A/223</b>	○	○			
(15) <b>EX3216 – 03/233</b> — 3 × □	○	○			

Component  
parts list for  
KS



EX 3200



# Application table of **EX3200/KS**

## Feature

Type	Driving system	Operation system	Remarks
<b>KS372</b>	Upper knife holder driven	–	Rear suction type
<b>KS373</b>	Upper knife holder driven	–	Rear suction type (with blower pipe)

## Shirring

	<b>KS372</b>	<b>KS373</b>			
(15) <b>EX3216 – 42/233</b> – 3 × □	○	○			
(15) <b>EX3216 – 43/335</b>		○			

Component  
parts list for  
KS



EX 3200

# Application table of EX5200/KS

“○” means the best combination while “△” the better.

## Feature

Type	Driving system	Operation system	Remarks
<b>KS371</b>	Upper knife holder driven	—	Middle suction type
<b>KS372</b>	Upper knife holder driven	—	Rear suction type
<b>KS373</b>	Upper knife holder driven	—	Rear suction type (with blower pipe)

## Plain seaming (1 - needle)

	<b>KS371</b>	<b>KS372</b>	<b>KS373</b>		
<b>EX5204 – 01/223</b>	○	△	△		
<b>EX5204 – 02/233</b>	○	△	△		
<b>EX5204 – 02H/223</b>	○				

## Plain seaming (2 - needle)

<b>EX5214 – 01/233</b>		○	○		
<b>EX5214 – 03/333</b>		○	○		
<b>EX5214 – 03C3/333</b>		○	○		

Application  
table of  
KS



EX 5200

# Application table of EX5200/KS

## Feature

Type	Driving system	Operation system	Remarks
<b>KS371</b>	Upper knife holder driven	—	Middle suction type
<b>KS372</b>	Upper knife holder driven	—	Rear suction type
<b>KS373</b>	Upper knife holder driven	—	Rear suction type (with blower pipe)

## Blindstitch hemming

	KS371	KS372	KS373		
<b>EX5205 – 12/223</b>	○				
<b>EX5203 – 12/223</b>	○				

## Serging

<b>EX5203 – 22/233</b>		○	○		
<b>EX5204 – 24/455</b>		○	○		
<b>EX5214 – 24/445</b>		○	○		

Application  
table of  
KS



EX 5200

# Application table of EX5200/KS

## Feature

Type	Driving system	Operation system	Remarks
<b>KS371</b>	Upper knife holder driven	—	Middle suction type
<b>KS372</b>	Upper knife holder driven	—	Rear suction type
<b>KS373</b>	Upper knife holder driven	—	Rear suction type (with blower pipe)

## Turn-up/down hemming

	<b>KS371</b>	<b>KS372</b>	<b>KS373</b>		
<b>EX5204 – 32R1/223</b>		○	○		
<b>EX5204 – 32R2/223L</b>		○	○		
<b>EX5204 – 32R2/223</b>		○	○		

## Shirring

<b>EX5214 – 43/333</b>		○	○		

## Versatile

<b>EX5204 – 92M1/223</b>	○				
<b>EX5214 – 92M2/223</b>	○				

Application  
table of  
KS



EX 5200

# Component parts list for EX/KS

Type	Feature	Chain cutter complete	Equipment						
			Blower	Lint collector	H - dust collector	T - dust collector	Venturi complete (0N device)	Venturi complete (0Q device)	
<b>KS371</b>	Middle suction type	<b>308045 - 91</b> <b>91Y</b>	<b>500005,500006</b> <b>500007,500008</b> <b>500009,500011</b>	<b>300305</b>	<b>(100V) 304039</b> <b>(200V) 304040</b>	<b>(100V) 304039A</b> <b>(200V) 304040A</b>	<b>300364 - 91</b>	<b>300464A91</b>	
<b>KS372</b>	Rear suction type	<b>308046 - 91</b> <b>91Y</b>	<b>500013,500015</b> <b>500017</b>						
<b>KS373</b>	Rear suction type (with blower pipe)	<b>308047 - 91</b> <b>91Y</b>	-	-	-	-			

Component parts list for KS



EX Series

# Application table of EX3200/KH

## Feature

Type	Driving system	Operation system	Remarks
<b>KH020A</b>	Upper knife holder driven	–	Standard
<b>KH020B</b>	Upper knife holder driven	–	For heavy weight fabrics
<b>KH020C</b>	Upper knife holder driven	–	For wide seam
<b>KH020H</b>	Upper knife holder driven	–	For light weight fabrics

## Plain seaming (2 – needle)

	<b>KH020A</b>	<b>KH020B</b>	<b>KH020C</b>	<b>KH020H</b>	
<b>(15)</b> <b>EX3216 – 01/222</b>				○	
<b>(15)</b> <b>EX3216 – 01A/222</b>				○	
<b>(15)</b> <b>EX3216 – 02/223</b>				○	
<b>(15)</b> <b>EX3216 – 02A/223</b>				○	
<b>(15)</b> <b>EX3216 – 03/233</b> – 3 × □				○	
<b>(15)</b> <b>EX3216 – 03/233</b> – 5 × □	○				
<b>(15)</b> <b>EX3216 – 04/435</b>		○			
<b>(15)</b> <b>EX3216H – 05/535</b>		○			

## Plain seaming (3 – needle)

<b>EX3244 – 03/333</b>			○		
<b>EX3244 – 04/435</b>		○			

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Application  
table of  
KH



EX 3200

# Application table of EX3200/KH

## Feature

Type	Driving system	Operation system	Remarks
<b>KH020A</b>	Upper knife holder driven	—	Standard
<b>KH020B</b>	Upper knife holder driven	—	For heavy weight fabrics
<b>KH020C</b>	Upper knife holder driven	—	For wide seam
<b>KH020H</b>	Upper knife holder driven	—	For light weight fabrics

## Shirring

	<b>KH020A</b>	<b>KH020B</b>	<b>KH020C</b>	<b>KH020H</b>	
(15) <b>EX3216 — 42/233</b>				○	
(15) <b>EX3216 — 42/233</b> — 5 × □	○				
(15) <b>EX3216 — 43/335</b>	○				

Application  
table of  
KH



EX 3200

# Application table of **EX5200/KH**

## Feature

Type	Driving system	Operation system	Remarks
<b>KH020A</b>	Upper knife holder driven	–	Standard
<b>KH020B</b>	Upper knife holder driven	–	For heavy weight fabrics
<b>KH020C</b>	Upper knife holder driven	–	For wide seam
<b>KH020D</b>	Upper knife holder driven	–	For serging
<b>KH020E</b>	Upper knife holder driven	–	For toe closing
<b>KH020H</b>	Upper knife holder driven	–	For light weight fabrics

## Plain seaming (1 - needle)

	<b>KH020A</b>	<b>KH020B</b>	<b>KH020C</b>	<b>KH020D</b>	<b>KH020E</b>	<b>KH020H</b>	
<b>EX5204 – 01/223</b>						○	
<b>EX5204 – 02/233</b>						○	

## Plain seaming (2 - needle)

<b>EX5214 – 01/233</b>						○	
<b>EX5214 – 03/333</b>	○						
<b>EX5214 – 03C3/333</b>	○						

Application  
table of  
KH



EX 5200



# Application table of EX5200/KH

## Feature

Type	Driving system	Operation system	Remarks
<b>KH020A</b>	Upper knife holder driven	–	Standard
<b>KH020B</b>	Upper knife holder driven	–	For heavy weight fabrics
<b>KH020C</b>	Upper knife driven	–	For wide seam
<b>KH020D</b>	Upper knife holder driven	–	For serging
<b>KH020E</b>	Upper knife holder driven	–	For toe closing
<b>KH020H</b>	Upper knife holder driven	–	For light weight fabrics

## Serging

	KH020A	KH020B	KH020C	KH020D	KH020E	KH020H	
<b>EX5203 – 22/233</b>				○			
<b>EX5204 – 24/455</b>				○			
<b>EX5214 – 24/445</b>			○				

## Turn – up/down hemming

<b>EX5204 – 32R1/223</b>					○		
<b>EX5204 – 32R2/223L</b>					○		
<b>EX5204 – 32R2/223</b>					○		

## Shirring

<b>EX5214 – 43/333</b>	○						

Application  
table of  
KH



EX 5200

# Component parts list for **EX/KH**

Type	Feature	Chain cutter complete	Chain cutter	Fabric guide	Equipment					
					Blower	Lint collector	H - dust collector	T - dust collector	Venturi complete (0N device)	Venturi complete (0Q device)
<b>KH020A</b>	Standard	<b>308020A91Y</b>	<b>308021 - 91</b>	<b>308022A</b>	<b>500005</b> <b>500006</b> <b>500007</b> <b>500008</b> <b>500009</b> <b>500011</b> <b>500013</b> <b>500015</b> <b>500017</b>	<b>300305</b>	<b>(100V) 304039</b> <b>(200V) 304040</b>	<b>(100V) 304039A</b> <b>(200V) 304040A</b>	<b>300364 - 91</b>	<b>300464A91</b>
<b>KH020B</b>	For heavy weight fabrics	<b>308020B91Y</b>		<b>308022B</b>						
<b>KH020C</b>	For wide seam	<b>308020C91Y</b>		<b>308022C</b>						
<b>KH020D</b>	For serging	<b>308020D91Y</b>		<b>308022D</b>						
<b>KH020E</b>	For toe closing	<b>308020E91Y</b>		<b>308022E</b>						
<b>KH020H</b>	For light weight fabrics	<b>308020H91Y</b>		<b>308022H</b>						

Component parts list for KH



EX Series

# Application table of **EX5200/EH**

## Feature

Type	Driving system	Operation system	Remarks
<b>EH010</b>	Electric	—	
<b>EH011</b>	Electric	—	For Hong Kong
<b>EH012</b>	Electric	—	For AL
<b>EH013</b>	Electric	—	For AL
<b>EH110</b>	Electric	—	With solenoid to lift the folder (Knee switch)

## Blindstitch hemming

	<b>EH010</b>	<b>EH011</b>	<b>EH110</b>		
<b>EX5204 — 02H/223</b>		○			
<b>EX5203 — 12/223</b>	○		○		
<b>EX5205 — 12/223</b>	○		○		

## Blindstitch hemming (with label attaching)

	<b>EH012</b>	<b>EH013</b>			
<b>EX5204 — 02H/AL</b>		○			
<b>EX5203 — 12/AL</b>	○				
<b>EX5205 — 12/AL</b>	○				

Application  
table of  
EH



EX 5200

# Component parts list for EX/EH

※ Option

Type	Component part			Special part					
	Hemming guide complete	EH controller	Power source cord	Fan complete	Cloth plate	Knee switch complete	Bracket complete		
EH010	301250C91	760200 – 9J	(100V)742257A91 (200V)742257 - 91 (220V)742257B91 (240V)742257C91	270505A	270037B	※ 708004	※ 303010		
EH011	301791C91				270037F				
EH012	301250D91								
EH013	301791D91				—	708004	303010		
EH110	308135 – 91								

Component  
parts list for  
EH



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# Application table of **EX3200/PL**

## Feature

Type	Driving system	Operation system	Remarks
<b>PL020</b>	Pneumatic	Heel treadle	

## Plain seaming (2- needle)

	<b>PL020</b>				
(15) <b>EX3216 – 01/222</b>	○				
(15) <b>EX3216 – 01A/222</b>	○				
(15) <b>EX3216 – 02/223</b>	○				
(15) <b>EX3216 – 02A/223</b>	○				
(15) <b>EX3216 – 03/233</b>	○				
(15) <b>EX3216 – 04/435</b>	○				
(15) <b>EX3216H – 05/535</b>	○				

Application  
table of  
PL



EX 3200

## Plain seaming (3- needle)

<b>EX3244 – 03/333</b>	○				
<b>EX3244 – 04/435</b>	○				

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# Application table of EX3200/PL

## Feature

Type	Driving system	Operation system	Remarks
PL020	Pneumatic	Heel treadle	

## Shirring (P:piping)

	PL020				
(15) EX3216 – 42/233	○				
(15) EX3216 – 43/335	○				

## Tape attaching

EX3216 – 53/233	○				

Application  
table of  
PL



EX 3200

# Application table of **EX5200/PL**

## Feature

Type	Driving system	Operation system	Remarks
<b>PL020</b>	Pneumatic	Heel treadle	

## Plain seaming (1 - needle)

	<b>PL020</b>				
<b>EX5204 - 01/223</b>	○				
<b>EX5204 - 02/233</b>	○				
<b>EX5204 - 02H/223</b>	○				

## Plain seaming (2 - needle)

<b>EX5214 - 01/233</b>	○				
<b>EX5214 - 03/333</b>	○				
<b>EX5214 - 03C3/333</b>	○				

Application  
table of  
PL



EX 5200

# Application table of **EX5200/PL**

## Feature

Type	Driving system	Operation system	Remarks
<b>PL020</b>	Pneumatic	Heel treadle	

## Serging

	<b>PL020</b>				
<b>EX5203 – 22/233</b>	○				
<b>EX5204 – 24/455</b>	○				
<b>EX5214 – 24/445</b>	○				

Application  
table of  
PL



## Turn- up/down hemming

<b>EX5204 – 32R1/223</b>	○				
<b>EX5204 – 32R2/223L</b>	○				
<b>EX5204 – 32R2/223</b>	○				



# Application table of **EX5200/PL**

## Feature

Type	Driving system	Operation system	Remarks
<b>PL020</b>	Pneumatic	Heel treadle	

## Shirring (P:piping)

	<b>PL020</b>				
<b>EX5214 – 43/333</b>	○				
<b>EX5214 – 43P1/333</b>	○				
<b>EX5214 – 43P2/333</b>	○				

Application  
table of  
PL



EX 5200

## Tape attaching

<b>EX5214 – 53/333</b>	○				
<b>EX5214 – 53C3/333</b>	○				
<b>EX5214 – 54/433</b>	○				
<b>EX5214 – 54/443</b>	○				
<b>EX5214 – 54/445</b>	○				
<b>EX5214H – 55/545</b>	○				

# Application table of **EX5200/PL**

## Feature

Type	Driving system	Operation system	Remarks
<b>PL020</b>	Pneumatic	Heel treadle	

## Backlatching

	<b>PL020</b>				
<b>EX5204 – 82/223</b>	○				
<b>EX5204 – 82/233</b>	○				
<b>EX5214 – 83/323</b>	○				
<b>EX5214 – 84/423</b>	○				

## Versatile

<b>EX5204 – 92M1/223</b>	○				
<b>EX5214 – 92M2/223</b>	○				

Application  
table of  
PL



EX 5200

# Component parts list for **EX/PL**

Type	Air cylinder complete	Air valve complete	Filter regulator complete	
<b>PL020</b>	<b>511017 – 91 91Y</b>	<b>532006 – 91</b>	<b>522007</b>	

Component  
parts list for  
PL



EX Series

# Application table of **EX5200/BT**

## Feature

Type	Driving system	Operation system	Remarks
<b>BT103</b>	–	Manual	For 1 - needle Without thread releaser mechanism
<b>BT103A</b>	–	Manual	For 1 - needle Without thread releaser mechanism
<b>BT184</b>	–	Manual	For 1 - needle With simple type of thread releaser mechanism
<b>BT220</b>	–	Manual	For 1 - needle With automatic thread releaser mechanism
<b>BT250</b>	–	Manual	For 2 - needle With automatic thread releaser mechanism

## Backlatching

	<b>BT103</b>	<b>BT103A</b>	<b>BT184</b>	<b>BT220</b>	<b>BT250</b>
<b>EX5204 – 82/223</b>	○		○	○	
<b>EX5204 – 82/233</b>	○		○	○	
<b>EX5214 – 83/323</b>					○
<b>EX5214 – 84/423</b>					○

## Versatile

<b>EX5204 – 92M1/223</b>		○			

Application  
table of  
BT

**G<sub>g</sub>**

EX 5200

# Component parts list for EX/BT

Except special parts of subclass

Type	Number of needle	Feature	Component part								
			Knife complete	Thread releaser complete	Thread tensioner complete	Chaining finger drive complete	Retractable finger	Sensor set	Controller	Power source cord	
BT103	1 – needle	Without thread releaser mechanism	308083 – 91	–	–	–	–	–	–	–	
BT103A				–	308094 – 9U						
BT184		With simple type of thread releaser mechanism		308040 – 91	–						
BT220		With automatic thread releaser mechanism		–	308081 – 9U			308018 – 91 91Y	760168 – 9J	(100V) 742257A91 (200V) 742257 – 91 (220V) 742257B91 (240V) 742257C91	
BT250	2 – needle	308084 – 91	–	308081A9U	302059 – 9U	308086					

Component parts list for BT



EX 5200

Type	Component part		Special part		
	Stopper complete	Presser foot finger	Fan	Cloth plate	
BT103	—	—	—	270037C	
BT103A					
BT184		Overedge width 3mm=277116 Overedge width 4-5mm=277109			
BT220	308038 – 91	—	270505B	270037D	
BT250			—		

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# Application table of **EX3200/AL**

## Feature

Type	Driving system	Operation system	Remarks
<b>AL114</b>	Pneumatic	Automatic	For small labels. With the clamp capable of standing by during operations.
<b>AL124</b>	Pneumatic	Automatic	With the clamp capable of standing by during operations.

## Auto – labeller

	AL114	AL124			
(15) <b>EX3216 – 01/222</b>	○	○			
(15) <b>EX3216 – 01A/222</b>	○	○			
(15) <b>EX3216 – 02/223</b>	○	○			
(15) <b>EX3216 – 02A/223</b>	○	○			
(15) <b>EX3216 – 03/233</b>	○	○			

Application  
table of  
AL



EX 3200

# Application table of EX5200/AL

## Feature

Type	Driving system	Operation system	Remarks
<b>AL114</b>	Pneumatic	Automatic	For small labels. With the clamp capable of standing by during operations. Available for side seaming and blindstitch hemming operations.
<b>AL115</b>	Pneumatic	Automatic	For small labels. Available for side seaming and blindstitch hemming operations.
<b>AL124</b>	Pneumatic	Automatic	With the clamp capable of standing by during operations. Available for side seaming and blindstitch hemming operations.
<b>AL125</b>	Pneumatic	Automatic	Available for side seaming and blindstitch hemming operations.

## Auto — labeller

	AL114	AL115	AL124	AL125	
<b>EX5203 – 12/223</b>	○	○	○	○	
<b>EX5203 – 12/223/EH012</b>	○	○	○	○	
<b>EX5204 – 02/233</b>	○		○		
<b>EX5204 – 02H/223</b>	○	○	○	○	
<b>EX5204 – 02H/223/EH013</b>	○	○	○	○	
<b>EX5205 – 12/223</b>	○	○	○	○	
<b>EX5205 – 12/223/EH012</b>	○	○	○	○	
<b>EX5212 – 02/333</b>	○		○		
<b>EX5214 – 03/333</b>	○		○		
<b>EX5214 – 03C3/333</b>	○		○		
<b>EX5214 – 53/333</b>	○		○		
<b>EX5214 – 53C3/333</b>	○		○		
<b>EX5214 – 54/433</b>	○		○		
<b>EX5214 – 92M2/223</b>	○		○		

Application  
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AL

**G<sub>h</sub>**

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# Component parts list for **EX/AL**

Type	Applicable model	Component part							
		Label setter complete	AL controller	Extension cord set	Sensor set	2-way extension cord (Rotation signal branch)	Instruction manual		
<b>AL114</b>	<b>EX3200•EX5200</b> (Available for both side seaming and blindstitch hemming operations.)	<b>302637D9H</b>	<b>760171 – 9D</b>	(100V) <b>742295A91</b> (200V) <b>742295 – 91</b> (220V) <b>742295B91</b> (240V) <b>742295C91</b>	<b>308018 – 91</b>	Only when used with EH device. <b>742317 – 91</b>	<b>9A2565</b>		
<b>AL115</b>	<b>EX5200</b> (Specified for blindstitch hemming operation)	<b>302637E9H</b>							
<b>AL124</b>	<b>EX3200•EX5200</b> (Available for both side seaming and blindstitch hemming operations.)	<b>302637B9H</b>							
<b>AL125</b>	<b>EX5200</b> (Specified for blindstitch hemming operation)	<b>302637C9H</b>							

Component parts list for AL



EX Series



# Special parts list for EX3200/AL

Model	Gauge	Special parts										
		Presser foot / Presser foot complete	Label guide	Screw	Cloth plate	Fan complete	Applicable AL					
(15) EX3216 – 01/222	2 × 3•4	277117B	(302631) [ Presser foot complete component parts ]	(001333)	270035E(W)	270505A	AL114 AL124					
	3 × 3•4•5	277118B										
(15) EX3216 – 01A/222	2 × 3•4	211907A	302630	005366								
	3 × 3•4	211909A										
	3 × 5	211910A										
(15) EX3216 – 02/223	2 × 3•4	277117B	(302631) [ Presser foot complete component parts ]	(001333)								
	3 × 3•4•5	277118D										
(15) EX3216 – 02A/223	2 × 3•4	211907A	302630	005366								
	3 × 3•4	211909A										
	3 × 5	211910A										
(15) EX3216 – 03/233	3 × 4•5	277118D	(302631) [ Presser foot complete component parts ]	(001333)								
	5 × 5•6	277119D										

Special  
parts list for  
AL



EX 3200

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# Special parts list for EX5200/AL

Standard machines are equipped with parenthesized parts.

Model	Gauge	Special parts													
		Presser foot / Presser foot complete	Auxiliary presser foot	Screw	Label guide	Screw	Cloth plate	Cloth guide complete (hemming guide complete )	Spacer	Screw	Fan complete	Aplicable AL			
EX5204 – 02/233	3•4•5	211984A	211557	001333	302626	001198	270035E(W)	—	—	—	270505A	AL114 AL124			
EX5214 – 03/333	2 × 3•4•5														
EX5214 – 03C3/333															
EX5212 – 02/333	2 × 3•4•5														
EX5203 – 12/223	3•4	201152G	—	—			270037E(N)	210891B91	212287B	007025		AL114 AL115 AL124 AL125			
EX5205 – 12/223	3•4														
EX5203 – 12/223/ EH012	3•4									270037F(N)			(301250D91) (EH012 component part)	—	—
EX5205 – 12/223/ EH012															
EX5214 – 53/333	2 × 3•4•5	(277112)	—	—	302628		270035E(W)	—	—	—		AL114 AL124			
EX5214 – 53C3/333															
EX5214 – 54/433															
EX5204 – 02H/223	3•4	211991B	(211994)	(001333)	302627		270037E(N)	212265B91	212287B	007025		AL114 AL115 AL124 AL125			
EX5204 – 02H/223/ EH013	3•4						270037F(N)	(301791D91) (EH013 component part)	—	—					
EX5214 – 92M2/223	2 × 3•4						201152G	—	—	302626			270037E(N)	210891B91	212287B

Special  
parts list for  
AL



EX 5200

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# Application table of **EX5200/BL**

## Feature

Type	Driving system	Operation system	Remarks
<b>BL510</b>	Pneumatic	Automatic	1 – needle Lint collector
<b>BL511</b>	"	"	1 – needle Dust drum
<b>BL520A</b>	"	"	2 – needle Lint collector
<b>BL521A</b>	"	"	2 – needle Dust drum

## Automatic backlatching

	<b>BL510</b>	<b>BL511</b>	<b>BL520A</b>	<b>BL521A</b>	
<b>EX5204 – 82B/233</b>	○	○			
<b>EX5214 – 82B/323</b>			○	○	
<b>EX5214 – 83B/333</b>			○	○	
<b>EX5214 – 84B/433</b>			○	○	

Application  
table of  
BL



EX 5200

# Component parts list for EX5200/BL

Type	Number of needle	Feature	Component part										
			Controller complete	Controller box complete	Multiple socket complete	Switch complete	Extention cord (for motor)	Extention cord (for chaining-off finger)	Ground wire	Power cord	Power relay box	Waste chute complete	Lint collector complete
BL510	1	Lint collector	302762 – 91	760195 – 9D	601109 – 91			—		(100V) 742257A91	3 – phase (200-220V) 750006A91	308177 – 91	300524 – 91
BL511	1	Dust drum	302762A91							(200V) 742257 – 91	1 – phase (100-200-220) 240V	—	—
BL520A	2	Lint collector	302762D91		601109A91	708015 – 91	742346 – 91			(220-380V) 742257B91	3 – phase (380-415-440V)	308177 – 91	300524 – 91
BL521A	2	Dust drum	302762E91					742374 – 91		(240-415-440V) 742257C91	750006B91	—	—

Type	Component part										
	Dust drum complete	Air cylinder complete	Instruction manual	Stopper	Table (semi- submerged)	T- shape metal leg complete	Pushbutton switch	Motor	Pulley	V belt	
BL510	—	—	9A2608	308038 – 91	308176	304135	No need at 100-240V of the supply voltage Need at more than 380V 702009	For BL device See the machine motor list	For BL device See the motor pully / V belt application table	For BL device See the motor pully / V belt application table	
BL511	300520C9J										
BL520A	—										
BL521A	300520C9J										

Component parts list for BL



EX5200

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# Application table of **EX5200/BL** device motor pulley / V belt

## Automatic backlatching

	BL510	BL511	BL520A	BL521A			Machine standard speed 50/60Hz (s.p.m)	Motor pulley (circumference)		V belt (length)	
								50Hz	60Hz	50Hz	60Hz
EX5204 – 82B/233	○	○				EX5204 – 82B/233	7500/7300	000530 (φ 150)	000531 (φ 120)	000520 (M38)	000306 (M36)
EX5214 – 82B/323			○	○		EX5214 – 82B/323	6800/6700	000548 (φ 135)	000516 (φ 110)	000307 (M37)	000418 (M35)
EX5214 – 83B/333			○	○		EX5214 – 83B/333	"	"	"	"	"
EX5214 – 84B/433			○	○		EX5214 – 84B/433	5800/5800	000583 (φ 115)	000584 (φ 95)	000306 (M36)	000549 (M34)

Motor pulley  
V belt for  
BL



EX5200

# Machine motors for **EX/BL**

[3 – phase] 200~220V

Nation	Voltage(V)	Frequency(Hz)	Part number of motor
JAPAN	200	50/60	802064 – 91
COLOMBIA ECUADOR PHILIPINE TRINIDAD AND TOBAGO	220	60	802065 – 91
DOMINICA KOREA TAIWAN			
CANADA U.S.A.	220	60	802065A91
ARGENTINA POLAND	220	50	802066B91
PARAGUAY THAILAND			

[1 – phase]

JAPAN	100	50/60	802063 – 91
COLOMBIA ECUADOR KOREA TRINIDAD AND TOBAGO VENEZUELA	110	60	802063A91
COSTA RICA GUATEMALA TAIWAN			
CANADA U.S.A.	110~120	60	802063B91
ARGENTINA CAMEROON CHINA GREECE IRAN KENYA NIGERIA PERU POLAND SPAIN THAILAND U.S.S.R.	110/220	50/60	802068 – 91
BEIRUT CHILE ETHIOPIA INDIA IRAQ MOROCCO PARAGUAY PHILIPINE PORTUGAL TANZANIA TURKEY VIETNAM			

[3 – phase] 380~440V

Nation	Voltage(V)	Frequency(Hz)	Part number of motor
CHILE PORTUGAL SWEDEN ZIMBABWE	380	50	802066 – 91
CHINA SOUTH AFRICA SWITZERLAND			
AUSTRIA FINLAND	380	50	802066A91
DENMARK NETHERLANDS			
ARGENTINA GERMANY POLAND	380	50	802066B91
FRANCE PARAGUAY THAILAND			
HONG KONG	346	50	802066C91
AUSTRALIA U.K.	415	50	802067 – 91

[1 – phase]

HONG KONG	200	50	802068A91
FINLAND NETHERLANDS	220	50	802068B91
GERMANY			
BOLIVIA INDONESIA SYRIA	110/220	50/60	802068C91
EGYPT LEBANON TUNISIA			
AUSTRALIA FIJI SINGAPORE U.K.	240	50	802069 – 91
CYPRUS KUWAIT SOUTH AFRICA URUGUAY			
NEW ZEALAND SRI LANKA	230	50	802069A91
FRANCE	230	50	802069B91

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Machine  
motors for  
BL



EX5200

# Comparison table of **EX3200**, E Series and L Series subclasses

Plain seaming (2 – needle)

EX Series	E Series	L Series		
		PEGASUS	PFAFF. W&G	Needle space x Overedge width
(15) EX3216 – 01/222 – 2 × 3•4	E32 – 410/516 – 212 – 2 × 3•4•5•6			
(15) EX3216 – 01/222 – 3 × 3•4•5	E32 – 410/516 – 212 – 3 × 3•4•5•6			
(15) EX3216 – 01A/222 – 2 × 3•4	E32 – 410A/516 – 212 – 2 × 3•4•5•6			
(15) EX3216 – 01A/222 – 3 × 3•4•5	E32 – 410A/516 – 212 – 3 × 3•4•5•6			
(15) EX3216 – 02/223 – 2 × 3•4		L32 – 07 ( – 08)	516 – 4/29	2 × 3•4•5•6
(15) EX3216 – 02/223 – 3 × 3•4•5	E32 – 420/516 – 213 – 3 × 3•4•5•6	L32 – 38 ( – 39)	516 – 4/29	3 × 3•4•5•6
(15) EX3216 – 02A/223 – 2 × 3•4				
(15) EX3216 – 02A/223 – 3 × 3•4•5	E32 – 420A/516 – 213 – 3 × 3•4•5•6			
(15) EX3216 – 03/233 – 3 × 4•5	E32 – 430/516 – 233 – 3 × 3•4•5•6	L32 – 31 ( – 33)	516 – 4/26	3 × 3•4•5•6
(15) EX3216 – 03/233 – 5 × 5•6	E32 – 430/516 – 233 – 5 × 3•4•5•6	L32 – 70 ( – 71)	516 – 4/26	5 × 3•4•5•6
(15) EX3216 – 04/435 – 5 × 5•6	E32 – 420A/516 – 213 – 3 × 3•4•5•6			
(15) EX3216H – 05/535 – 5 × 5•6•7				

Com-  
parison  
table



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# Comparison table of **EX3200**, E Series and L Series subclasses

Plain seaming (3 – needle)

EX Series	E Series	L Series		
		PEGASUS	PFAFF. W&G	Needle space × Overedge width
<b>EX3244 – 03/333 – 3 × 2 × 4</b>	<b>E32 – 355/313 – 3 × 2 × 3•4</b>	<b>L32 – 355</b>	<b>355</b>	<b>3 × 2 × 3•4</b>
<b>EX3244 – 03/333 – 5 × 2 × 4</b>	<b>E32 – 555/333 – 5 × 2 × 3•4</b>	<b>L32 – 555</b>	<b>555</b>	<b>5 × 2 × 3•4</b>
<b>EX3244 – 04/435 – 5 × 3 × 4</b>	<b>E32 – 555A/455 – 5 × 3 × 4</b>			

Com-  
parison  
table





# Comparison table of **EX3200**, E Series and L Series subclasses

## Shirring

EX Series	E Series	L Series		
		PEGASUS	PFAFF. W&G	Needle space × Overedge width
(15) EX3216 – 42/233 – 3 × 4•5	E32 – 542/516 – 253 – 3 × 3•4•5•6	L32 – 48 ( – 49)	516 – 4/38	3 × 3•4•5•6
(15) EX3216 – 42/233 – 3 × 4•5	E32 – 542/516 – 253 – 5 × 3•4•5•6	L32 – 78 ( – 79)	516 – 4/38	5 × 3•4•5•6
(15) EX3216 – 43/335 – 5 × 5•6	E32 – 543/516 – 355 – 5 × 3•4•5•6	L32 – 80 ( – 81)	516 – 4/39	5 × 3•4•5•6

Com-  
parison  
table



EX 3200

## Tape attaching

EX3216 – 53/233 – 3 × 4•5	E32 – 551/516 – 233 – 3 × 4•5	L32 – 551	516 – 4/551	3 × 4•5
EX3216 – 53/233 – 5 × 5	E32 – 551/516 – 233 – 5 × 4•5	L32 – 551	516 – 4/551	5 × 4•5

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# Comparison table of **EX5200**, E Series and L Series subclasses

## Plain seaming (1 – needle)

EX Series	E Series	L Series		
		PEGASUS	PFAFF, W&G	Needle space x Overedge width
<b>EX5204 – 01/223 – 3•4•5W</b>				
<b>EX5204 – 02/233 – 3•4•5W</b>	<b>E52 – 130/504 – 253 – W3•4•5•6</b>	<b>L52 – 57</b>	<b>504 – 4/47</b>	<b>3•4•5•6</b>
	<b>E52 – 130/504 – 263 – N3•4•5•6</b>	<b>L52 – 17</b>	<b>504 – 4/7</b>	<b>3•4•5•6</b>

Com-  
parison  
table



EX 5200

## Plain seaming (2 – needle)

<b>EX5214 – 01/233 – 2 × 3•4W</b>				
<b>EX5214 – 03/333 – 2 × 3•4•5W</b>	<b>E52 – 133M/514 – 363 – N2 × 2•3•4•5</b>			
<b>EX5214 – 03C3/333 – 2 × 3•4•5W</b>	<b>E52 – 132M/514 – 363 – W2 × 2•3•4•5</b>			
<b>EX5212 – 02/333 – 2 × 3•4•5W</b>	<b>E52 – 131M/512 – 353 – W2 × 2•3•4•5</b>	<b>L52 – 51</b>	<b>512 – 4/64</b>	<b>2 × 4•5</b>

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# Comparison table of **EX5200**, E Series and L Series subclasses

## Blindstitch hemming

EX Series	E Series	L Series		
		PEGASUS	PFAFF. W&G	Needle space x Overedge width
EX5205 – 12/223 – 3•4N	E52 – 210/505 – 223 – N2•3•4•5	L52 – 01	505 – 4/25	2•3•4•5
EX5203 – 12/223 – 3•4N	E52 – 211/503 – 223 – N2•3•4•5			

Com-  
parison  
table



## Serging

EX5204 – 24/455 – 7•8W	E52 – 227/504 – 485 – W7•8			
EX5203 – 22/233 – 5•6W	E52 – 220/503 – 233 – W3•4•5•6	L52 – 03	503 – 4/44	3•4•5•6
EX5214 – 24/445 – 3 × 4•5W	E52 – 228/514 – 473 – W3 × 4			

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# Comparison table of **EX5200**, E Series and L Series subclasses

## Turn-up/down hemming

EX Series	E Series	L Series		
		PEGASUS	PFAFF. W&G	Needle space × Overedge width
<b>EX5204 – 32R1/223 – 3W</b>	<b>E52 – 230/504 – 233 – W3</b>			
<b>EX5204 – 32R2/223L – 1.5W</b>	<b>E52 – 231/504 – 223 – N1.5</b>	<b>L52 – 16S2</b>	<b>504 – 4/16S2</b>	<b>1.5</b>
<b>EX5204 – 32R2/223 – 1.5W</b>				

Com-  
parison  
table

**H**

EX 5200

## Shirring (P : piping)

<b>EX5214 – 43/333 – 2 × 3•4W</b>	<b>E52 – 243M/514 – 353 – W2 × 2•3•4•5</b>			
<b>EX5214 – 43P1/333 – 2 × 3•4W</b>	<b>E52 – 243MP1/514 – 353 – W2 × 2•3•4•5</b>	<b>L52 – 34P1</b>	<b>514 – 4/62P1</b>	<b>2 × 3•4</b>
<b>EX5214 – 43P2/333 – 2 × 3•4W</b>	<b>E52 – 243MP2/514 – 353 – W2 × 2•3•4•5</b>	<b>L52 – 34P2</b>	<b>514 – 4/62P2</b>	<b>2 × 3•4</b>

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# Comparison table of **EX5200**, E Series and L Series subclasses

## Tape attaching

EX Series	E Series	L Series		
		PEGASUS	PFAFF. W&G	Needle space x Overedge width
EX5214 – 53/333 – 2 × 3•4•5W	E52 – 250M/514 – 363 – N2 × 2•3•4•5			
EX5214 – 53C3/333 – 2 × 3•4•5W	E52 – 250MC/514 – 363 – N2 × 2•3•4•5	L52 – 18	514 – 4/18	2 × 2•3•4
EX5214 – 54/433 – 2 × 3•4•5W	E52 – 252/514 – 463 – W2 × 2•3•4•5	L52 – 18S2	514 – 4/18S2	2 × 2•3•4
EX5214 – 54/443 – 2 × 4•5W	E52 – 253/514 – 493 – W2 × 3•4•5	L52 – 18S5	514 – 4/18S5	2 × 3•4
EX5214 – 54/443 – 2.5 × 3.5•4.5W	E52 – 253/514 – 493 – W2.5 × 2.5•3.5•4.5	L52 – 18S5	514 – 4/18S5	2.5 × 2.5•3.5•4.5
EX5214 – 54/445 – 3 × 4•5W	E52 – 253/514 – 493 – W3 × 4•5			
EX5214H – 55/545 – 2.5 × 3.5•4.5•5W 3 × 4•5W				

Com-  
parison  
table



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# Comparison table of **EX5200**, E Series and L Series subclasses

## Backlatching

EX Series	E Series	L Series		
		PEGASUS	PFAFF. W&G	Needle space x Overedge width
EX5204 – 82/223 – 3•4•5N	E52 – 183T/504 – 243 – N3•4•5			
EX5204 – 82/233 – 3•4•5N				
EX5214 – 83/323 – 2 × 3•4N	E52 – 185M/514 – 343 – N2 × 3•4			
EX5214 – 84/423 – 2 × 3•4N	E52 – 184/514 – 443 – N2 × 3•4			

Com-  
parison  
table

**H**

EX 5200

## Automatic backlatching

EX5204 – 82B/233 – 3•4•5	E52 – 186A/504 – 263 – W4•5			
EX5214 – 83B/333 – 2 × 3•4	E52 – 187MA/514 – 363 – W2 × 3•4			
EX5214 – 84B/433 – 2 × 3•4	E52 – 188A/514 – 463 – W2 × 3•4			
EX5214 – 82B/323 – 2 × 3•4	E52 – 189M/514 – 393 – W2 × 3•4			

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# Comparison table of **EX5200**, E Series and L Series subclasses

## Versatile

EXSeries	ESeries	L Series		
		PEGASUS	PFAFF. W&G	Needle space x Overedge width
EX5214 – 92M2/223 – 2 × 3•4N	(E51 – 137/514 – 223 – 2 × 2•3)			
EX5204 – 02H/223 – 3•4N	E52 – 212/505 – 223 – N2•3•4•5			
EX5204 – 92M1/223 – 3•4N	E52 – 212T/504 – 243 – N3•4			

Com-  
parison  
table

**H**

EX 5200

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