

FITTINGS GUIDE

for

HIGH SPEED TRIMMING

AND OVEREDGING MACHINES

460K20 AND 460K50

DESIGN FEATURES

Designed for trimming and overedging light and medium weight fabrics, the 460K50 is a two needle, two looper, automatically lubricated drop feed machine.

Bight	:	3/32" to 7/32"
Clearance under Presser Foot	:	3/16" with .109" and 2 m.m. gauge. 1/8" with 1/16" gauge fittings.
Maximum stitch length	:	10) Standard .109" gauge
Minimum stitch length	:	24) machine is fitted for 10 s.p.i.: 1/16" or 2 m.m. gauge machines are fitted for 14 s.p.i.
Needle Spacing	:	.109" (Standard). 1/16" or 2 m.m. (Alternatives).
Needle	:	Cat. 1435 (Size 14 standard). Cat. 1437 (Alternative).
Speed	:	Up to 6,500 s.p.m.
Stitch Type	:	No. 512 (Standard), No. 506 (Modified) (Alternative when using 1/16" or 2 m.m. fittings), No. 504 for single needle work.
Thread	:	Either left or right twist used.
Oil	:	Type "H".

SINGER

INDUSTRIAL PRODUCTS

The applications quoted in this guide are only an indication of the type of operation the various groups of fittings can perform. To find out fully how they can be related to your specific operational requirements contact your nearest Industrial Sales Office or write direct to:

*The Singer Company,
Industrial Products Division,
30, Rockefeller Plaza,
New York,
N.Y. 10020.*

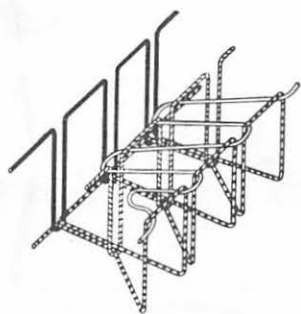
**A Trademark of The Singer Company.*

Copyright © 1967 by The Singer Company.

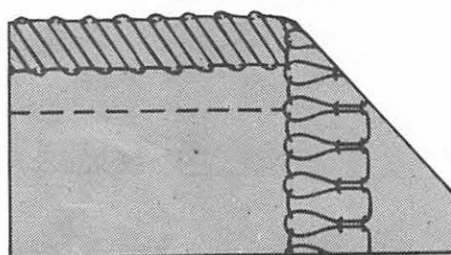
STANDARD FITTINGS

SUPPLIED WITH 460K50 MACHINE UNLESS OTHERWISE
SPECIFIED ON ORDER

STANDARD *Trimming and overedging light*
APPLICATION: *and medium weight fabrics using*
a four-thread dual stitch, Type 512

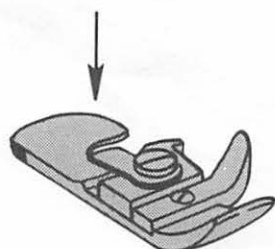


Needle spacing .109"

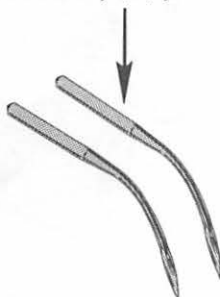


STANDARD FITTINGS

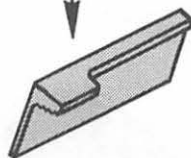
164627
Presser Foot



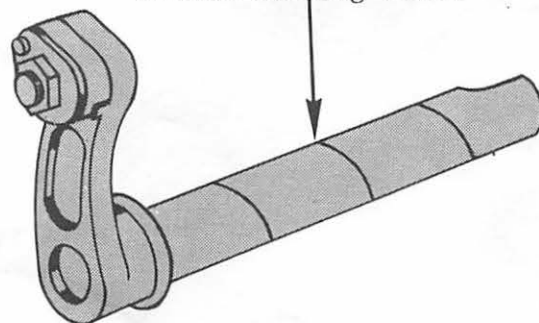
Cat. 1435
Needles, (2), size 14



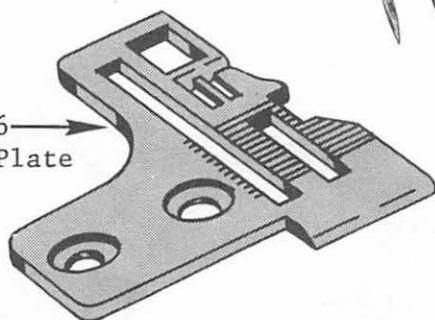
164556
Knife (movable)



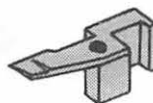
82319
Needle Driving Shaft



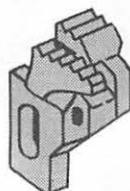
81426
Throat Plate



165060
Needle Guard



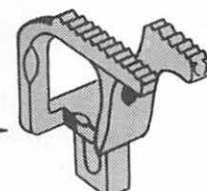
164617
Feed (back) Dog



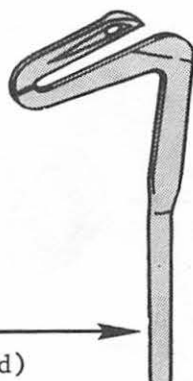
87027
Looper (right hand)



165108
Feed (front) Dog



87025
Looper (left hand)



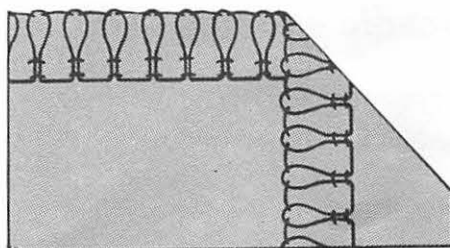
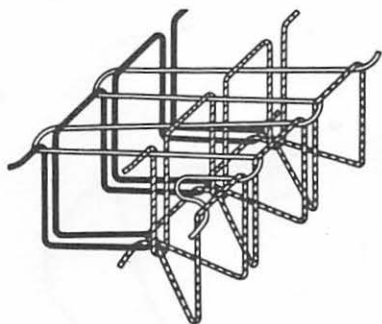
81201-010
Feed Eccentric (2)



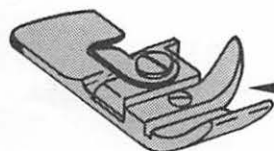
From the library of: Superior Sewing Machine & Supply LLC

APPLICATION: *Trimming and overedging light and medium weight fabrics using a four-thread stitch, Type 506 modified*

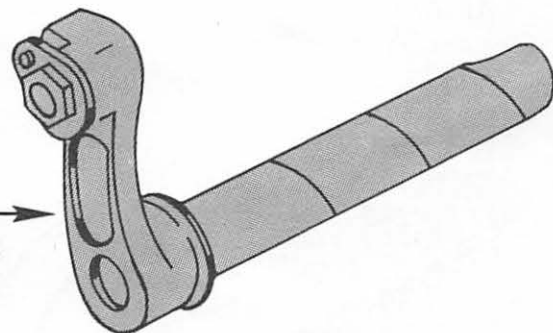
Needle spacing $\frac{1}{16}$



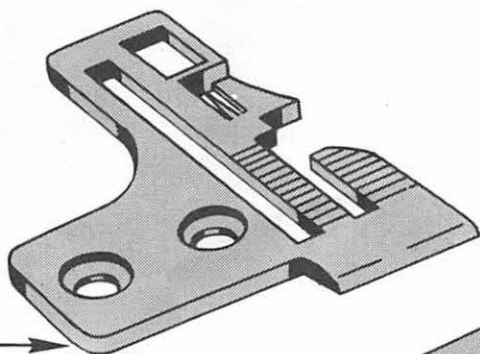
FITTINGS REQUIRED



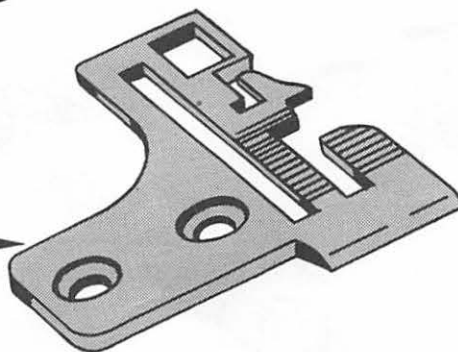
164642
Presser Foot
with Chain Cutter



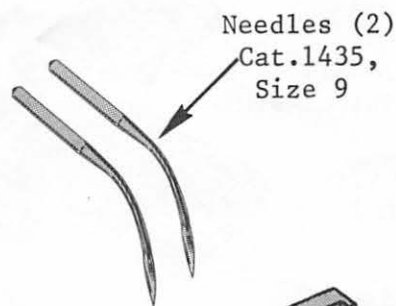
82325
Needle Driving
Shaft Complete



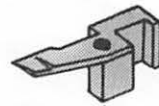
81427
Throat Plate
(1/8" bight)
(for Cat.1435 needles
size 10 and above)



81428
Throat Plate
(1/8" bight)
(for Cat.1435 needles
size 9).



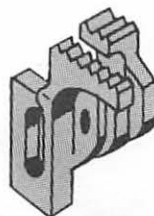
Needles (2)
Cat.1435,
Size 9



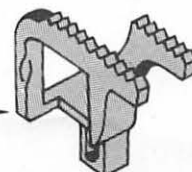
165061
Needle Guard



81201-014
Feed Eccentric (2)



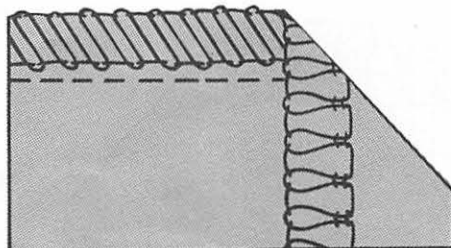
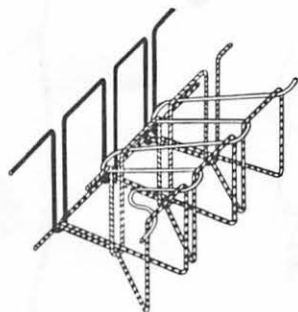
164635
Feed (back) Dog



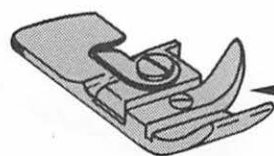
164636
Feed (front) Dog

APPLICATION: *Trimming and overedging light and medium weight fabrics using a four-thread dual stitch, Type 512*

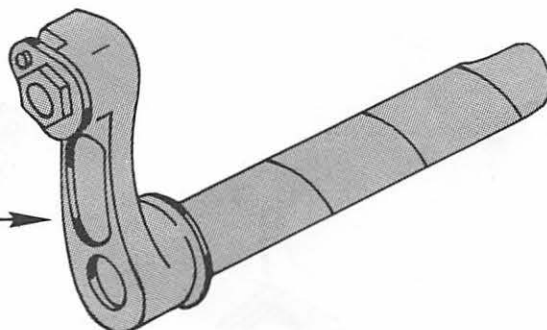
Needle spacing $\frac{1}{16}$



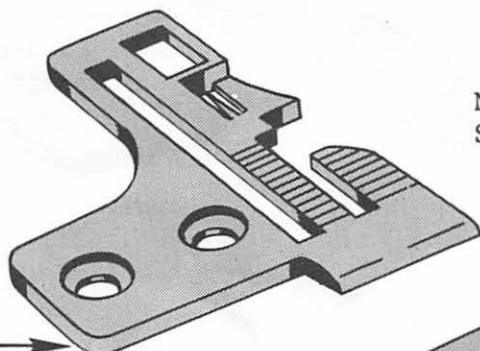
FITTINGS REQUIRED



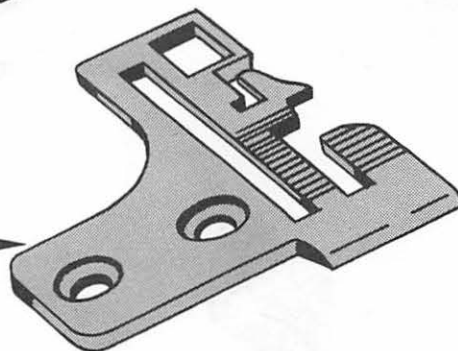
164642
Presser Foot
with Chain Cutter



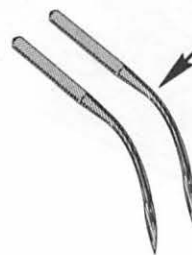
98729
Needle Driving
Shaft Complete



81427
Throat Plate
(1/8" bight)
(for Cat.1435 needles
size 10 and above)



81428
Throat Plate
(1/8" bight)
(for Cat.1435 needles
size 9).



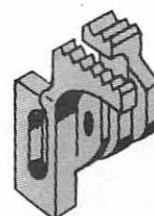
Needles (2)
Cat.1435,
Size 9



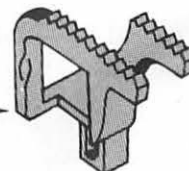
98727
Needle Guard



81201-014
Feed Eccentric (2)



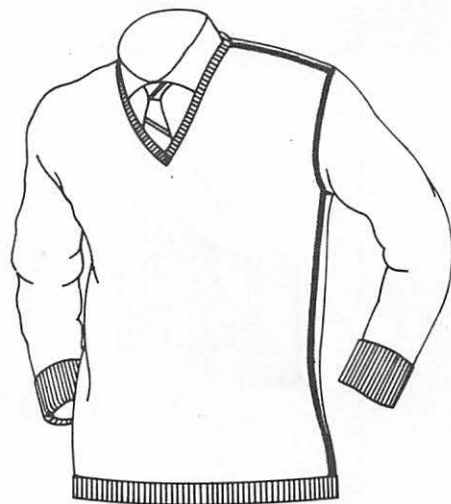
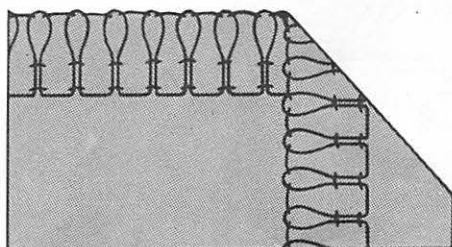
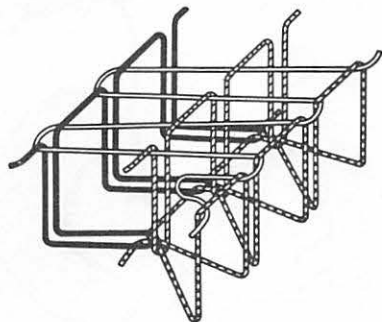
164635
Feed (back) Dog



164636
Feed (front) Dog

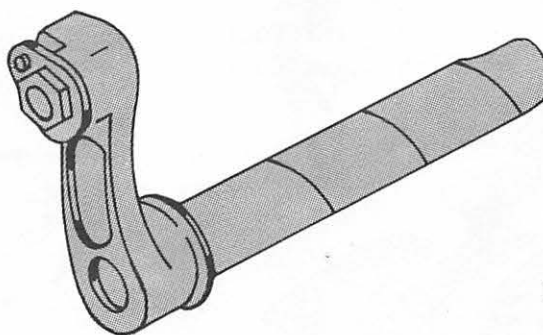
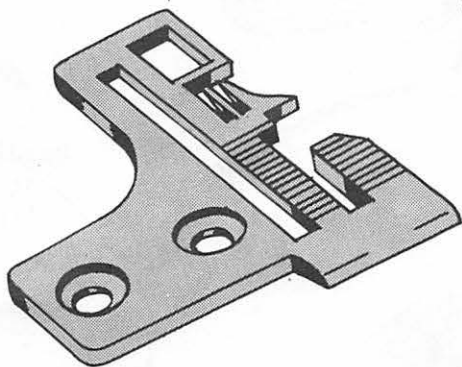
APPLICATION: *Trimming and overedging light and medium weight fabrics using a four-thread stitch, Type 506 modified*

Needle spacing 2 m/m.



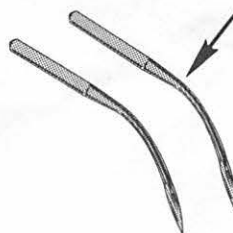
FITTINGS REQUIRED

81448
Throat Plate

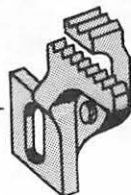


82328
Needle Driving
Shaft Complete

Needles (2)
Cat.1435,
Size 12



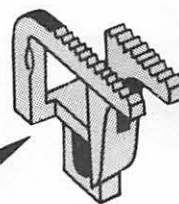
81282
Feed (back) Dog



81201-014
Feed Eccentric (2)



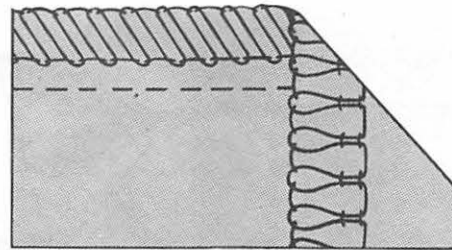
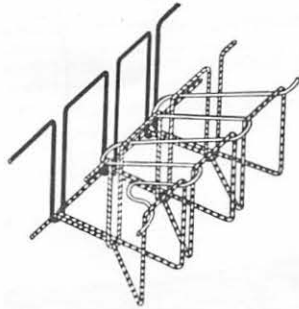
81279
Feed (front) Dog



165061
Needle Guard

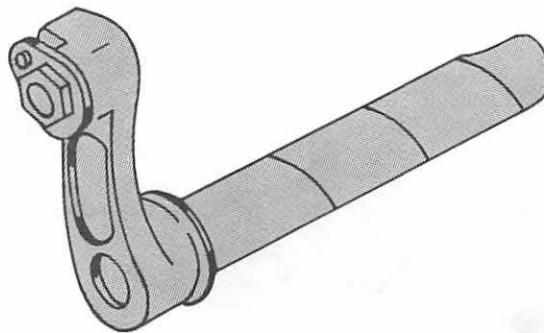
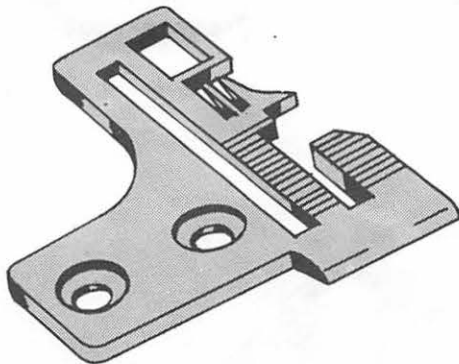
APPLICATION: *Trimming and overedging light and medium weight fabrics using a four-thread dual stitch, Type 512*

Needle spacing 2 m/m.



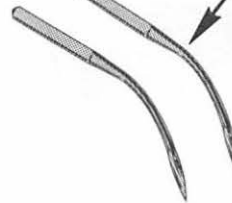
FITTINGS REQUIRED

81448
Throat Plate

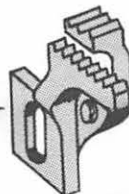


98728
Needle Driving
Shaft Complete

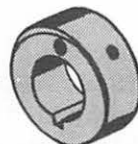
Needles (2)
Cat.1435,
Size 12



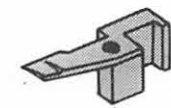
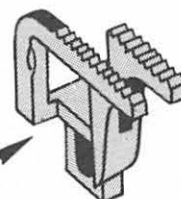
81282
Feed (back) Dog



81201-014
Feed Eccentric (2)



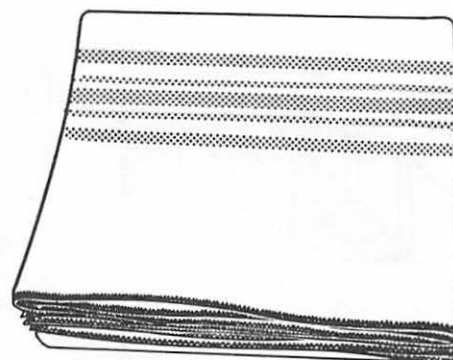
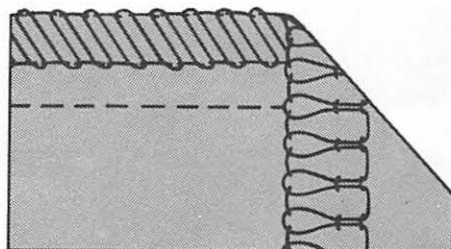
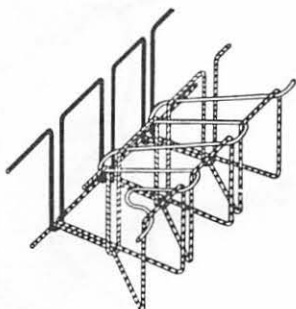
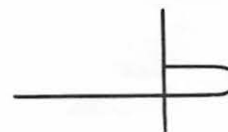
81279
Feed (front) Dog



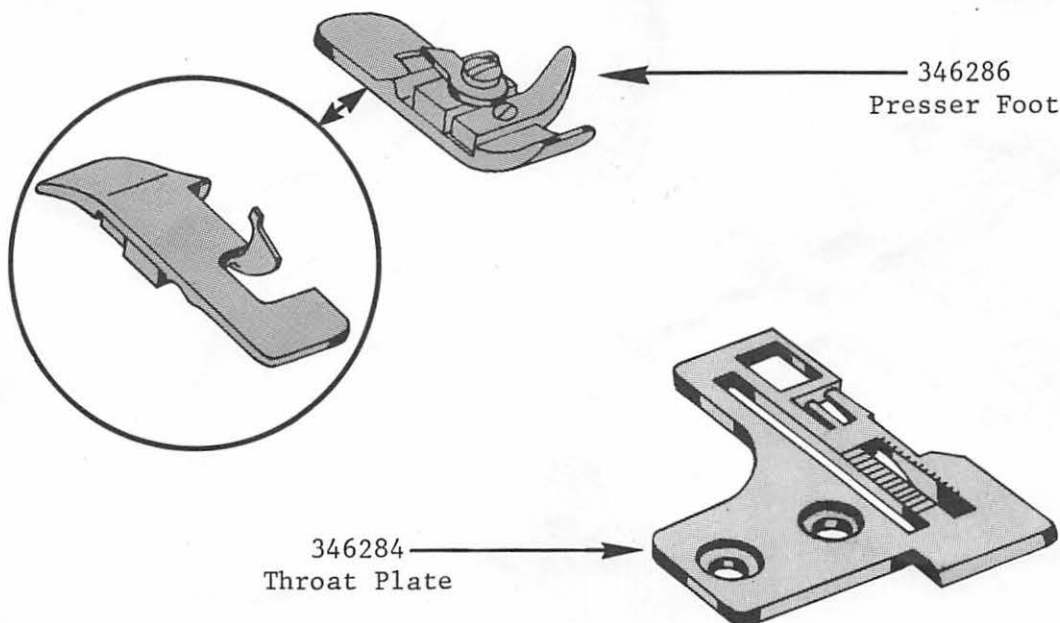
98727
Needle Guard

APPLICATION: *Trimming, turning-up and overedging blankets, using a four-thread dual stitch, Type 512*

Needle spacing .109"

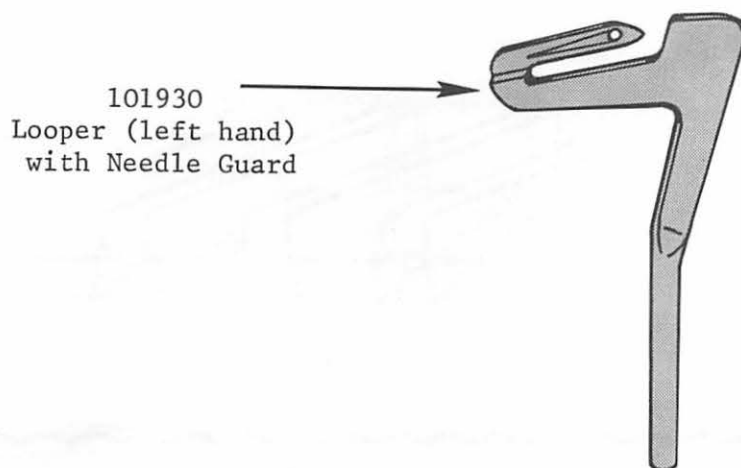


FITTINGS REQUIRED

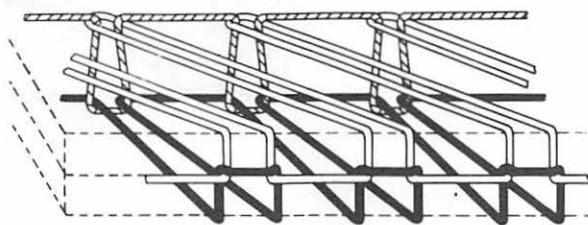


NOTE: WHEN USING THESE FITTINGS, THE KNIFE (STATIONARY) SHOULD BE SET ON THE OUTSIDE OF THE RIGHT HAND WALL OF THE PRESSER FOOT CHAINING-OFF FINGER FOR THE NECESSARY WIDE BIGHT, AND THE OVERALL LENGTH OF THE KNIFE (MOVABLE) SHOULD BE REDUCED BY ABOUT 1/16 INCH. ALSO THE PRESSER FOOT CHAINING-OFF FINGER IS FRAGILE AND REQUIRES CAREFUL HANDLING.

APPLICATION: *Standard application but using a looper (left hand) with integral needle guard to minimise inward needle deflection*



APPLICATION: *Trimming and overedging using one needle and producing a three-thread tight stitch, Type 504*

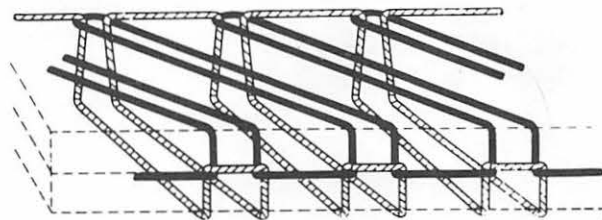


FITTINGS REQUIRED

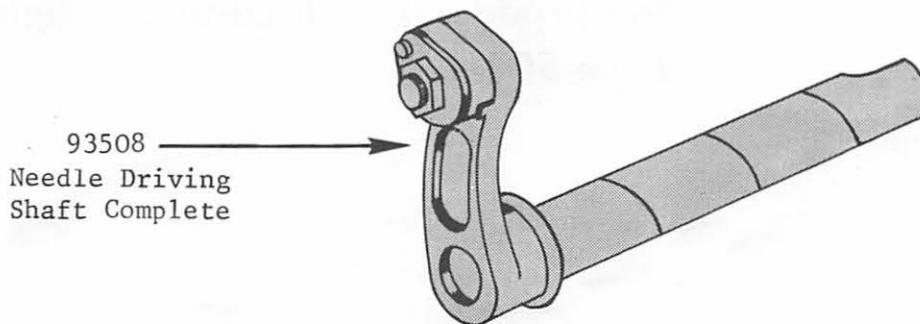


87033
Needle Holder Washer

APPLICATION: *Trimming and overedging using one needle and producing a two-thread overedge stitch, Type 503*



FITTINGS REQUIRED



93508
Needle Driving
Shaft Complete

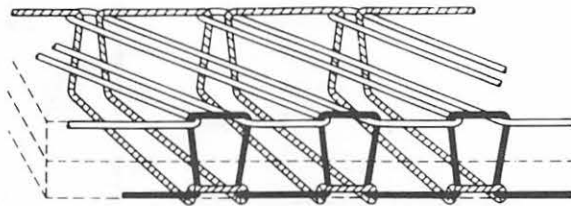


87058
Spreader

NOTE: WHEN USING THESE FITTINGS IT IS NECESSARY TO INTERCHANGE SPRINGS ON THE LOOPER TENSIONS.

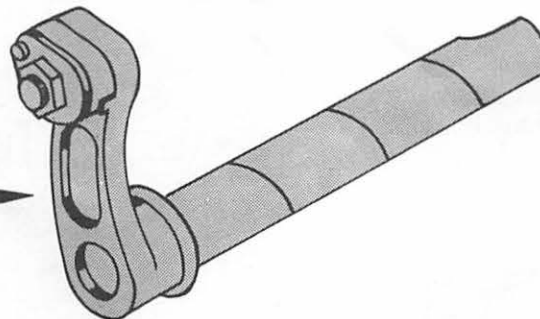
From the library of: Superior Sewing Machine & Supply LLC

APPLICATION: *Trimming and overedging using one needle and producing a three-thread purl-on-edge stitch, Type 505*



FITTINGS REQUIRED

93508
Needle Driving
Shaft Complete



NOTE: WHEN USING THESE FITTINGS IT IS NECESSARY TO INTERCHANGE SPRINGS ON THE LOOPER TENSIONS.

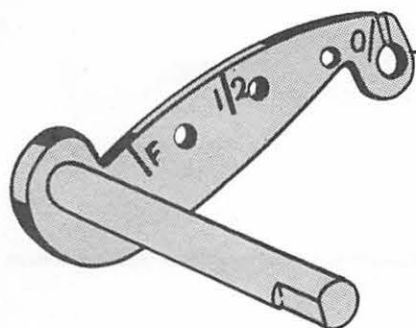
From the library of: Superior Sewing Machine & Supply LLC

CONVERSION KIT

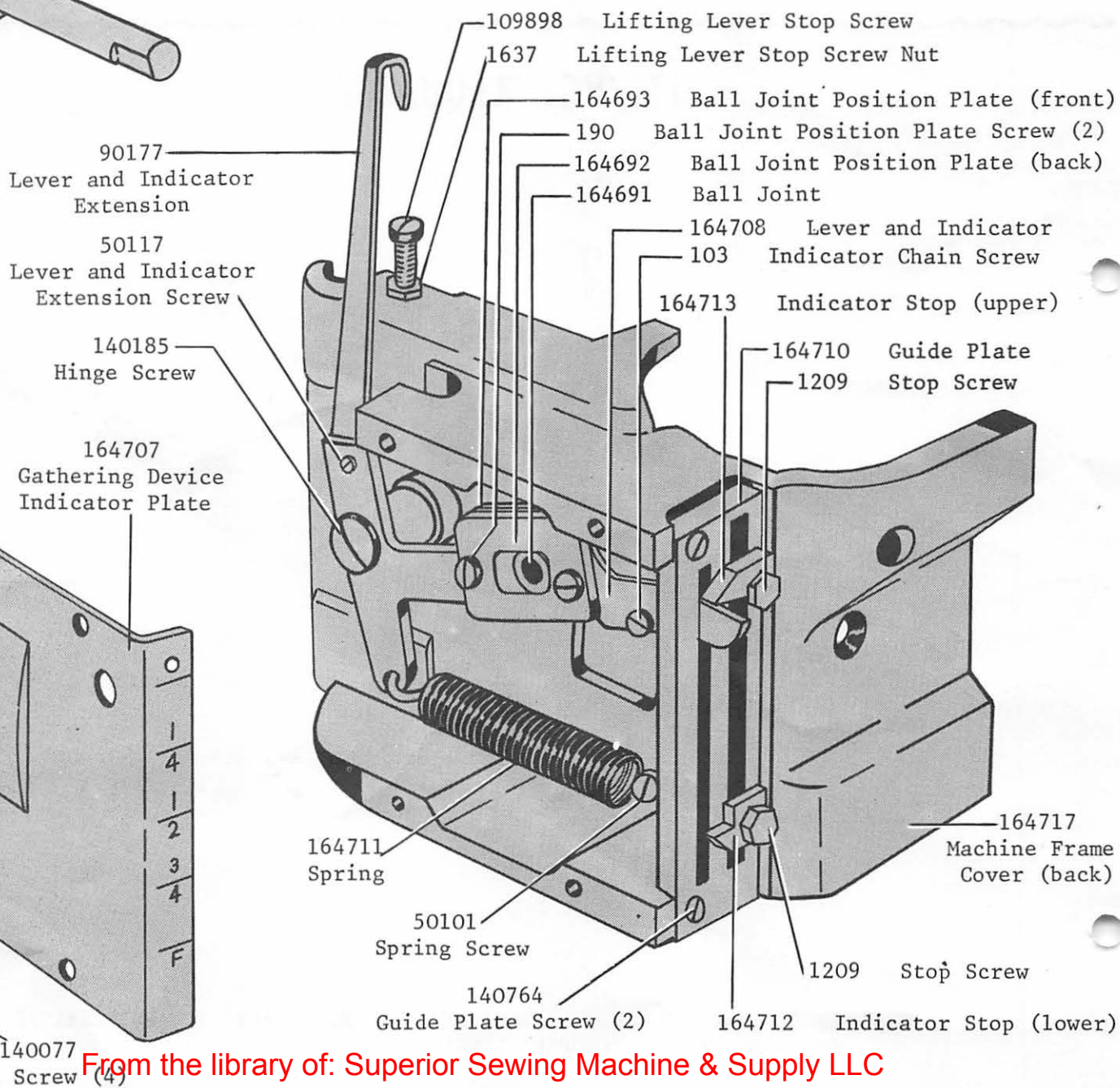
for

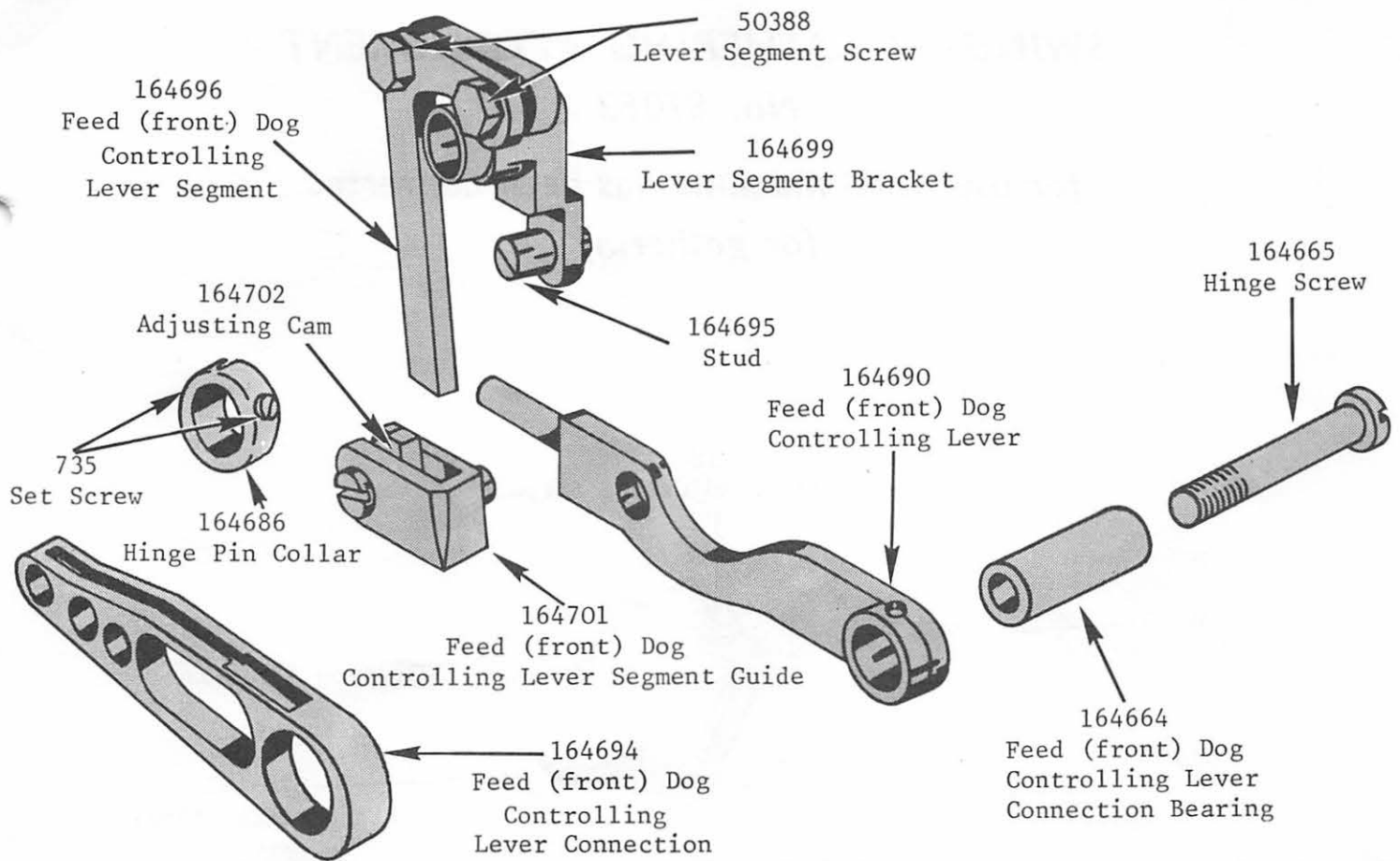
GATHERING

No. 90179

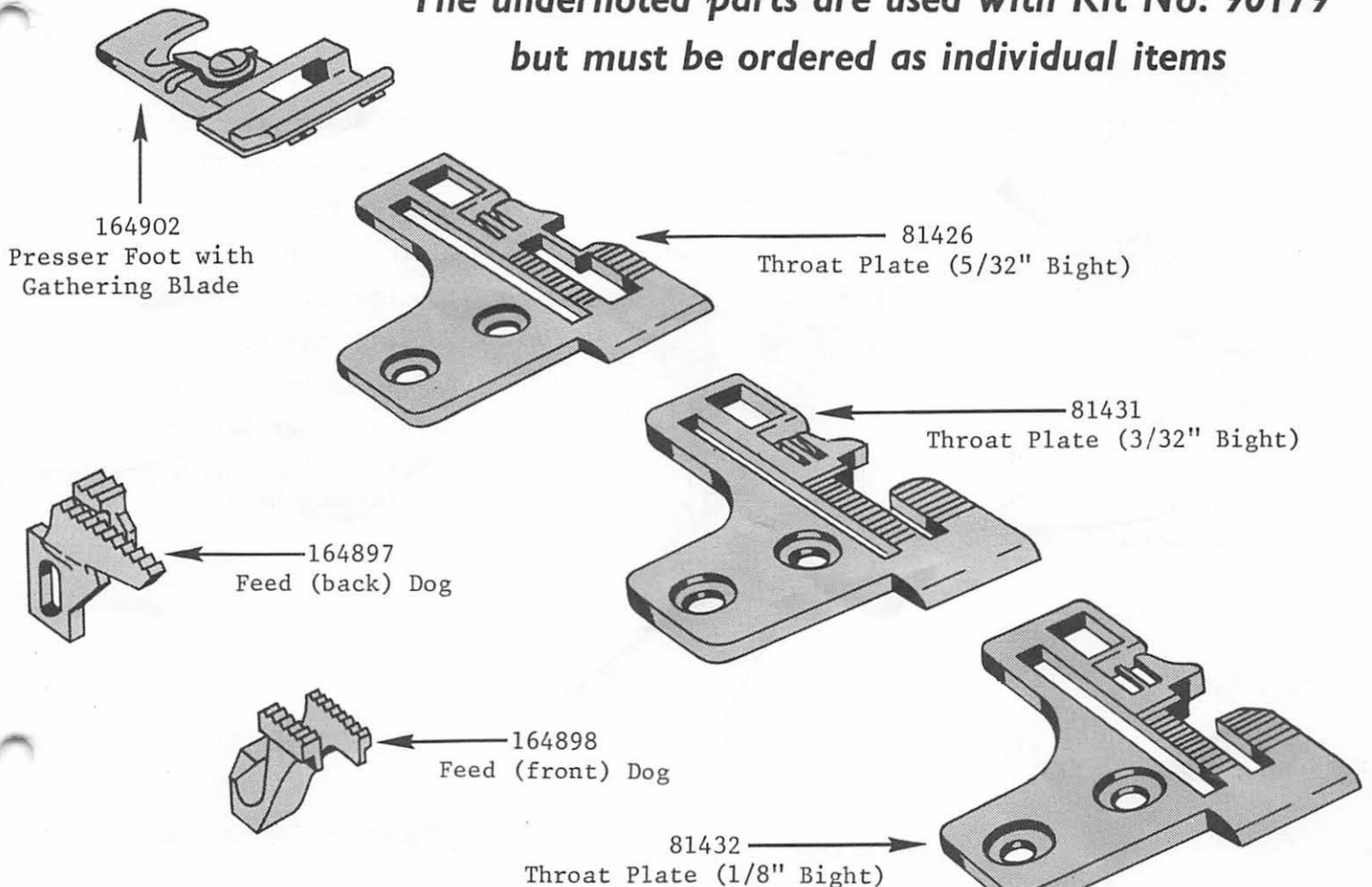


90435
Presser Bar Lifting Lever





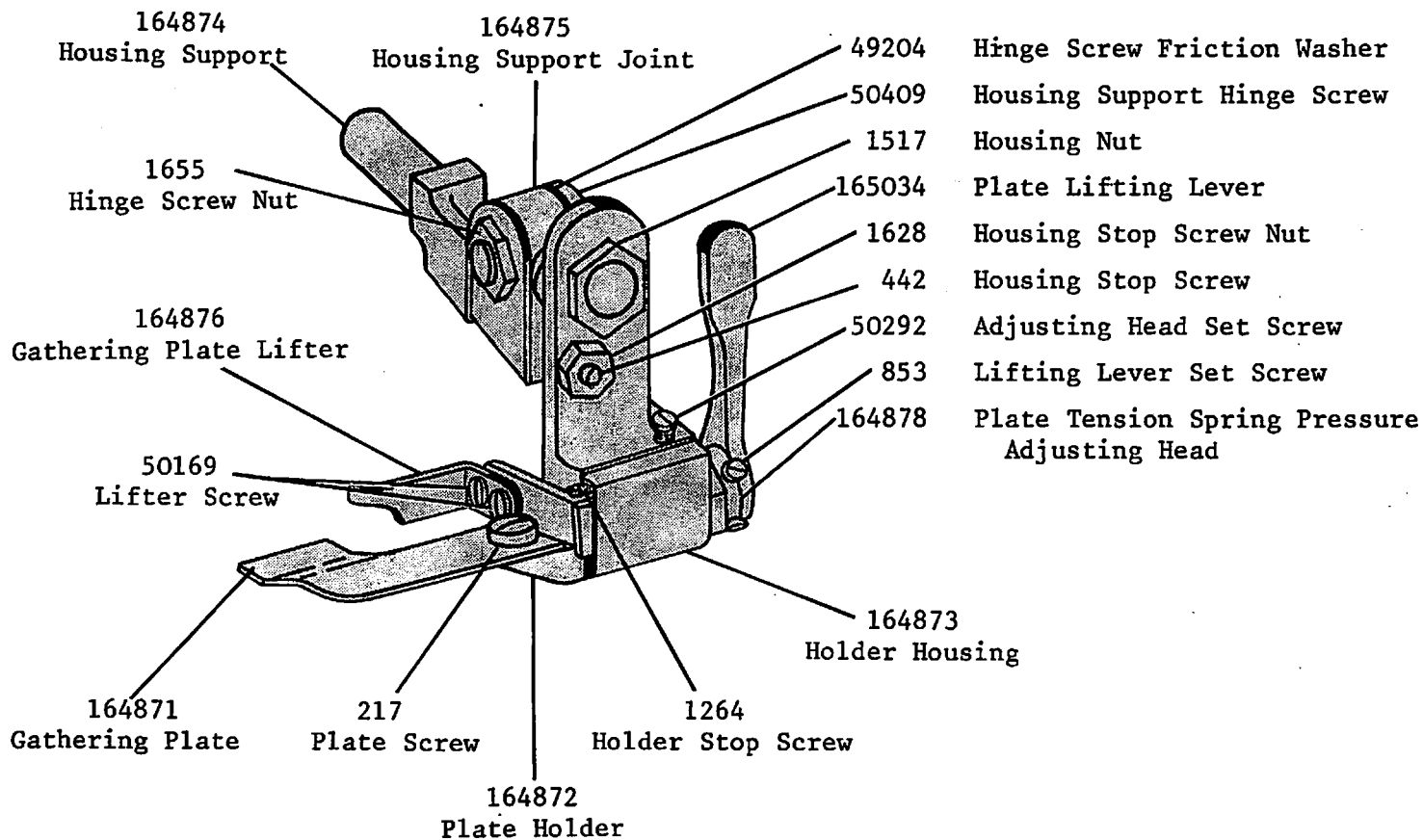
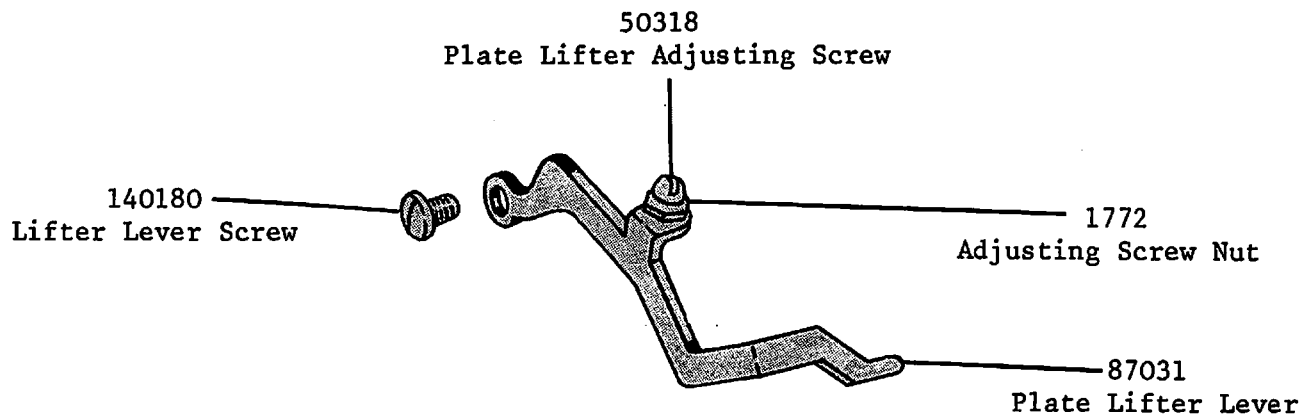
***The undernoted parts are used with Kit No. 90179
but must be ordered as individual items***

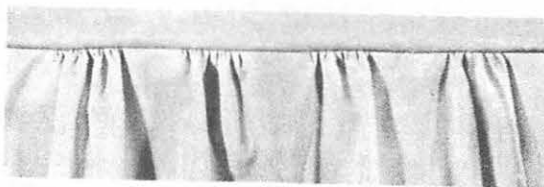
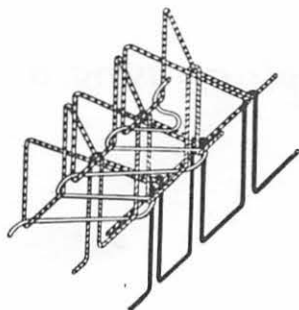


SWING-UP GATHERING ATTACHMENT

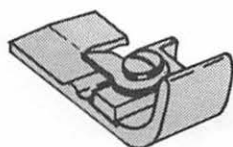
No. 87063

*for use when machine has been converted
for gathering*

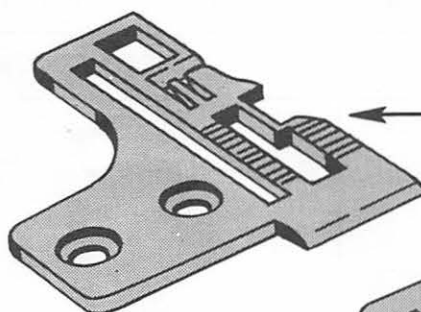




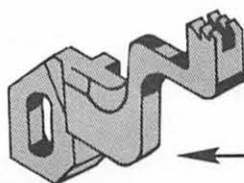
***The undernoted parts are used with Kit No. 87063
but must be ordered as individual items***



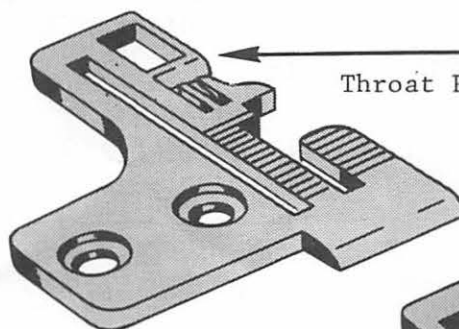
164907
Presser Foot



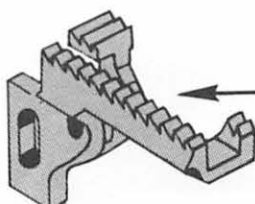
81426
Throat Plate (5/32" Bight)



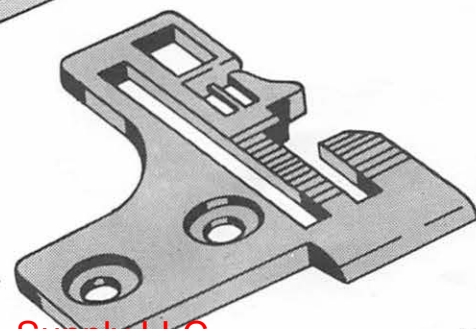
164904
Feed (back) Dog



81431
Throat Plate (3/32" Bight)



164905
Feed (front) Dog



81432
Throat Plate (1/8" Bight)

APPLICATION: *Trimming bulky knit materials or using a wide bight*

For this application it is only necessary to substitute screw No. 50650 in place of screw No. 114032 and washer No. 3146.

APPLICATION: *Changing stitch length*



FEED ECCENTRIC

FEED ECCENTRICS WHICH CAN BE USED ON SINGER* 460K20 & 460K50 MACHINES	
PART NUMBER	STITCH LENGTH PER INCH
81201-010	10
81201-011	11
81201-012	12
81201-013	13
81201-014	14
81201-015	15
81201-016	16
81201-018	18
81201-020	20
81201-022	22
81201-024	24