

interlock

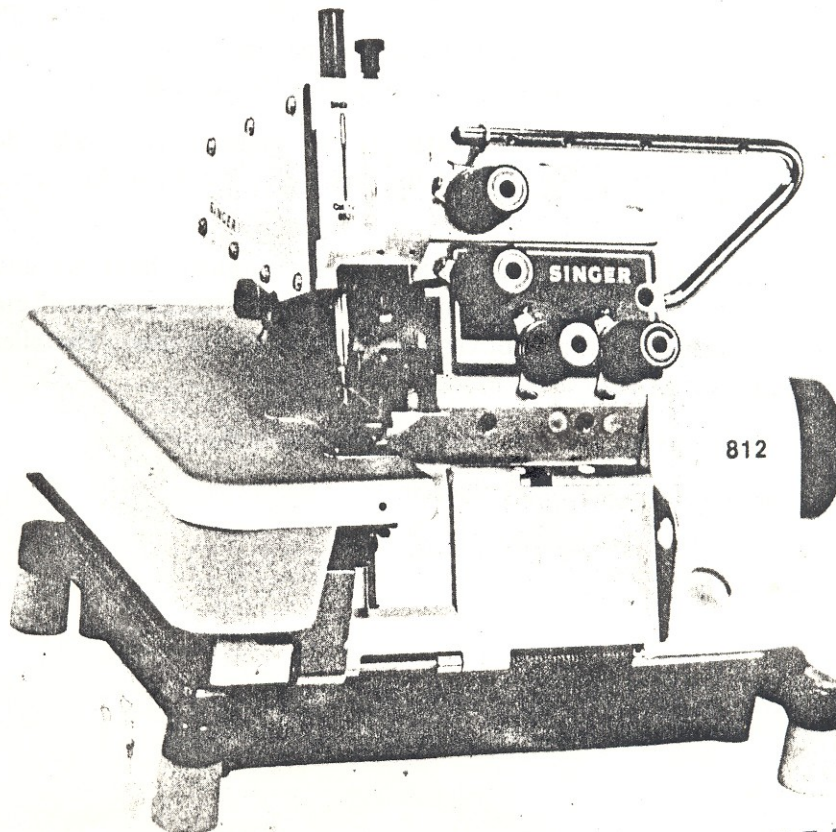
HIGH SPEED SAFETY STITCH SEWING MACHINE
SICHERHEITS-SCHNELLNÄHMASCHINE
MACHINE A POINT DE SURETE A HAUTE VITESSE
MAQUINA PARA COSTURA DE SEGURIDAD RAPIDA

B584
BROTHER ~~B571~~

SINGER 812U

PARTS BOOK
TEILEKATALOG
LIVRE DES PIECES
LIBRO DE REFERENCIA DE PIEZAS

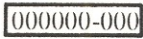
P812402



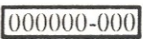
THE SINGER COMPANY

ESCANEADO

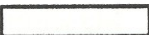
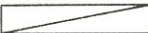
Notes for using this parts book

1. This book is applicable to sewing machines which have the same plate number as shown on the cover of this book (or correction sheet).
2. If the symbol  or  is in the "Parts No." column or the "Assembly No." column, please refer to the separate parts list (page 19).
3. The symbol  in the "Parts No." column indicates that the parts is not available for supply. If, however, there is a number in the "Assembly No." column, the parts can be ordered as an assembly. Please, therefore, order by using the assembly No.
4. This book was prepared based on information available in April 1984.
5. Parts are subject to changes in design without prior notice.

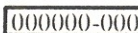
Anmerkungen zum Gebrauch dieses Stücklistebuches

1. Dieses Buch bezieht sich auf die Nähmaschinen mit derselben Kennungsnummer wie auf diesem Buchumschlag (oder auf dem Korrekturblatt).
2. Wenn in der Stücknummer oder Gerätesatznummer Spalte das Zeichen  oder  steht, schlagen Sie bitte bei der gesonderte Stückliste (Seite 19) nach.
3. Dieses Zeichen  in der Spalte "Teilnummer" bedeutet, daß dieser Teil nicht lieferbar ist. Wenn jedoch in der Spalte "Gerätesatznummer" eine Nummer steht, kann dieser Teil als ein Geräteteilsatz bestellt werden. Bestellen Sie daher bitte mit dieser Gerätesatznummer.
4. Dieses Buch basiert auf den Informationen vom April 1984.
5. Modelländerungen sind vorbehalten.

Notes sur l'utilisation de ce manuel de pièces détachées

1. Ce manuel est destiné aux machines à coudre ayant le même numéro de plaque montré sur la couverture de ce manuel (ou sur la feuille de corrections).
2. Si le symbole  ou  est présent dans la colonne "No. de pièce" ou dans la colonne "No. de ensemble", se référer à la liste de pièces annexe (page 19).
3. Le symbole  dans la colonne "N° de pièce" signifie que la pièce ne peut être fournie. Si, dans la colonne "N° jeu de pces", il y a un numéro de nomenclature, la pièce peut être commandée comme faisant partie d'un jeu de pièces. Donc, pour toute commande, veuillez spécifier le n° du jeu de pièces.
4. Ce manuel a été fait d'après les renseignements valables au mois Avril 1984.
5. Les pièces peuvent être sujettes à des modifications sans préavis.

Notas para usar este Libro de Piezas

1. Este libro sirve para todas las máquinas de coser que llevan la misma placa de identificación que la que se puede ver en la tapa de este libro (o en la hoja de erratas).
2. De haber el símbolo  o el  en la columna del "Número de Pieza" o en la del "Número de Juego", habrá que ver la lista de piezas separada (página 19).
3. El símbolo , que se encuentra en la columna del "Número de Pieza", quiere decir que no se dispone de dicha pieza sola. Cuando, empero, hay un número en la columna del "Número de Juego", se podrá ordenar la pieza con todo el juego. Por lo tanto, será mejor hacer el pedido recurriendo al número del juego respectivo.
4. Este libro ha sido compilado basándose en los datos de que se disponía en abril de 1984.
5. Las piezas quedan sujetas a cambios de diseño sin aviso previo.

CONTENTS

A. Machine body (1)	1
A. Machine body (2)	2
B. Crank shaft mechanism	3
C. Needle bar mechanism	4
D. Presser foot mechanism (1)	5
D. Presser foot mechanism (2)	6
E. Feed mechanism (1)	7
E. Feed mechanism (2)	8
F. Knife mechanism	9
G. Over looper mechanism	10
H. Under looper mechanism	11
J. Double chain stitch looper mechanism	12
K. Lubrication	13
L. Thread tension	14
M. Ruffler Attachment (1)	15
M. Ruffler Attachment (2)	16
Z. Accessories (1)	17
Z. Accessories (2)	18
DIFFERENT PARTS LIST	19
INDEX	23

INHALTSVERZEICHNIS

A. Maschinengehäuse (1)	1
A. Maschinengehäuse (2)	2
B. Kurbelwelle	3
C. Nadelstangenvorrichtung	4
D. Stoffdrückerfuß (1)	5
D. Stoffdrückerfuß (2)	6
E. Transportvorrichtung (1)	7
E. Transportvorrichtung (2)	8
F. Messer	9
G. Oberen Greifer	10
H. Unterer Greifer	11
J. Doppelkettenstichgreifer	12
K. Schmierung	13
L. Fadenspannung	14
M. Kräuselvorrichtung (1)	15
M. Kräuselvorrichtung (2)	16
Z. Zubehör (1)	17
Z. Zubehör (2)	18
ZUBEHÖRLISTE	19
VERZEICHNIS	23

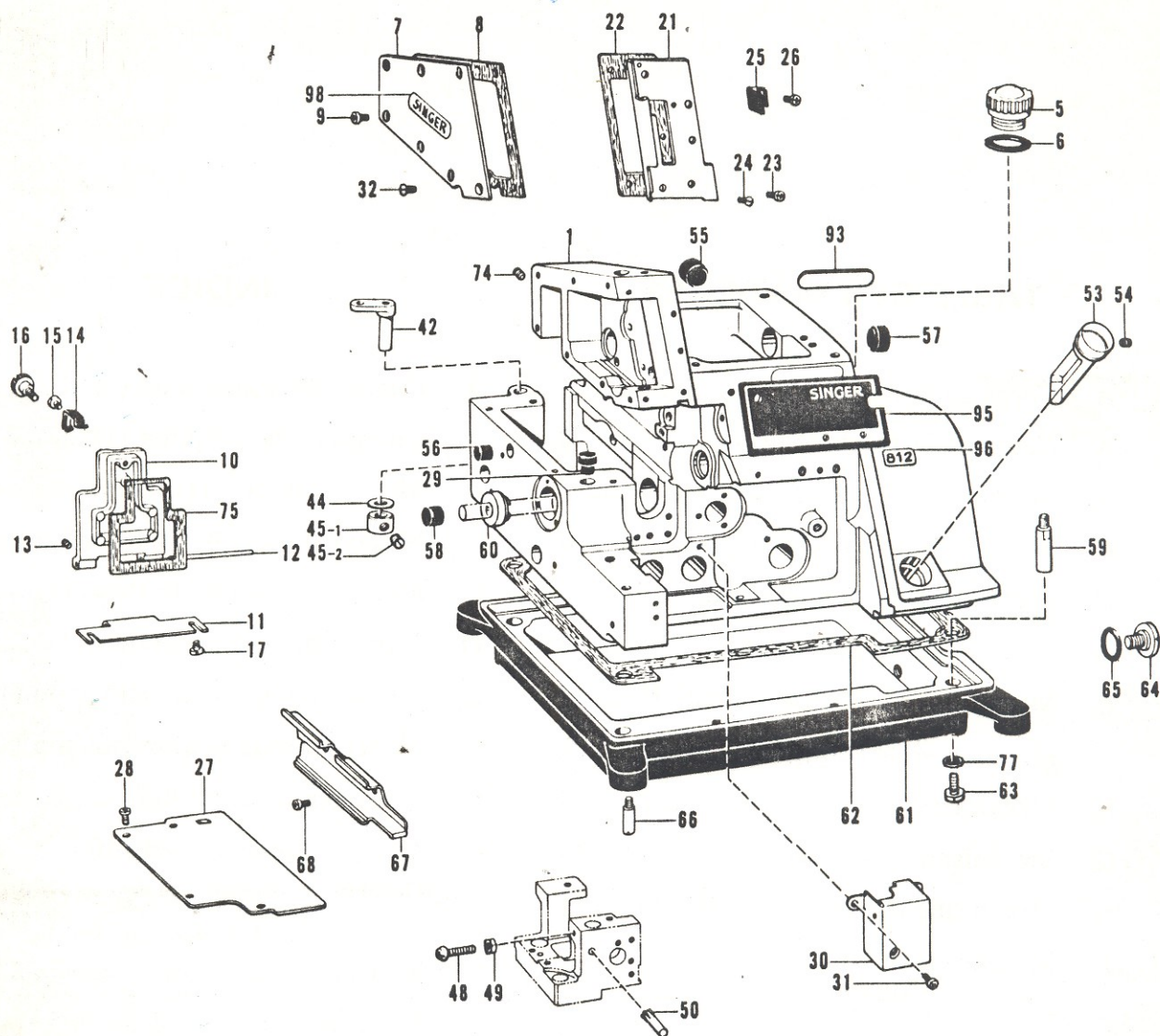
TABLE DES MATIERES

A. Corps de la machine (1)	1
A. Corps de la machine (2)	2
B. Mécanisme de vilebrequin	3
C. Mécanisme de barre à aiguille	4
D. Mécanisme du pied presseur (1)	5
D. Mécanisme du pied presseur (2)	6
E. Mécanisme de l'entraînement (1)	7
E. Mécanisme de l'entraînement (2)	8
F. Mécanisme du couteau	9
G. Mécanisme du boucleur supérieur ..	10
H. Mécanisme du boucleur inférieur	11
J. Mécanisme de boucleur pour point de chaînette double	12
K. Lubrification	13
L. Tension du fil	14
M. Accessoire pour fronces (1)	15
M. Accessoire pour fronces (2)	16
Z. Accessoires (1)	17
Z. Accessoires (2)	18
LISTE DES PIECES ACCESSOIRES	19
INDEX	23

INDICE

A. Cuerpo de la máquina (1)	1
A. Cuerpo de la máquina (2)	2
B. Mecanismo del cigüeñal	3
C. Mecanismo del barra de aguja	4
D. Mecanismo del prensatelas (1)	5
D. Mecanismo del prensatelas (2)	6
E. Mecanismo de la alimentación (1) ..	7
E. Mecanismo de la alimentación (2) ..	8
F. Mecanismo del cuchilla	9
G. Mecanismo del presilladora superior	10
H. Mecanismo del presilladora inferior	11
J. Mecanismo del presilladora de doble cadeneta	12
K. Lubricación	13
L. Tension del hilo	14
M. Accesorio de fruncido (1)	15
M. Accesorio de fruncido (2)	16
Z. Accesorios (1)	17
Z. Accesorios (2)	18
LISTA DE PIEZAS ACCESORIAS	19
INDICE	23

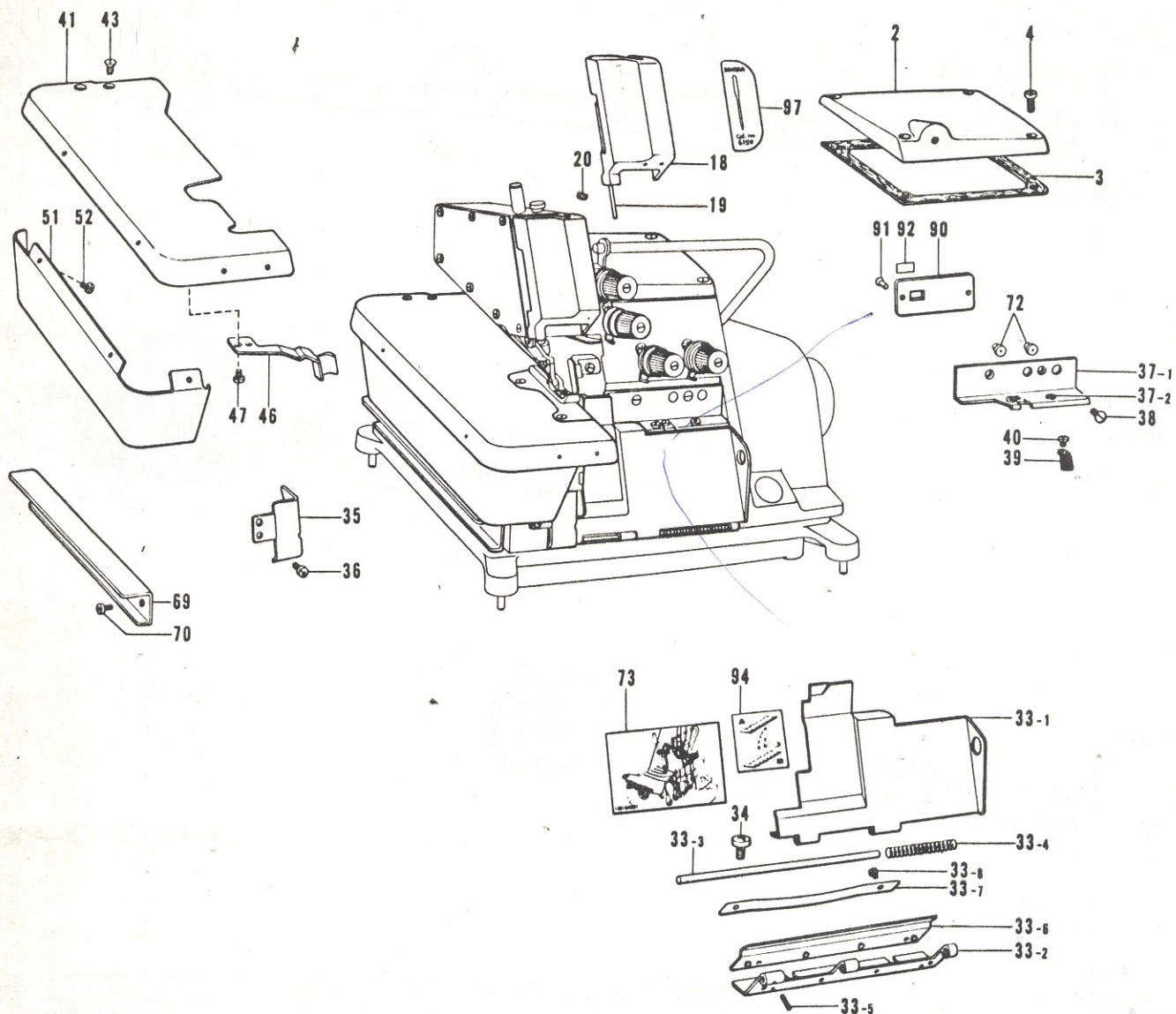
A. Machine body (1) / Maschinengehäuse (1)
Corps de la machine (1) / Cuerpo de la máquina (1)



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
1	Machine Body	1	146421-000		45-1	Set Collar	1		A-45
5	Cap For Oil Feeding Hole	1	113589-001		45-2	Screw 6.35	2	101706-001	Collar Assembly
6	Gasket	1	148067-001		48	Screw 357 - 40 x 14	1	062671-412	181969-003
7	Cover For Needle Driving Mechanism	1	148068-000		49	Nut 3.57	1	021670-202	
8	Gasket	1	062680-716		50	Pin	1	117608-001	
9	Screw 437 - 40 x 7	6	148069-001		53	Oil Gauge	1	148084-001	
10	Cover For Feed Mechanism (B)	1	148070-001		54	Screw 4.37	1	014680-422	
11	Feed Mechanism Cover Hinge	1	148071-000		55	Oil Cap	1	140066-001	
12	Hinge Shaft	1	146427-001		56	Oil Cap	1	146315-000	
13	Screw 3.18	1	148072-001		57	Oil Cap	1	140066-001	
14	Stopper Spring	1	062670-612		58	Oil Cap	1	140065-001	
15	Screw 357 - 40 x 6	1	129984-002		59	Machine Body Leg	4	148085-001	
16	Screw 3.57	1	062680-712		60	Bushing	1	148086-000	
17	Screw 437 - 40 x 7	2	148074-001		61	Oil Reservoir	1	148087-002	
21	Face Plate	1	148075-000		62	Gasket	1	148088-000	
22	Gasket	1	062670-612		63	Screw 6.35 x 16	4	017771-612	
23	Screw 357 - 40 x 6	1	102843-004		64	Screw 9.52	1	110641-002	
24	Screw 3.57	1	140041-001		65	"O" Ring	1	109203-001	
25	Stopper Spring	1	062670-612		66	Set Pin For Cushion	4	140077-001	
26	Screw 357 - 40 x 6	1	148076-001		67	Cloth Guide (L)	1	148089-001	
27	Cover For Feed Mechanism (A)	1	062670-612		68	Screw 357 - 40 x 6	2	062670-612	
28	Screw 357 - 40 x 6	4	148077-001		74	Screw 5.95	2	013760-612	
29	Cloth Plate Cushion	1	148078-001		75	Gasket	1	148859-000	
30	Inside Cover	1			77	Washer	4	159476-000	
31	Screw 357 - 40 x 6	2	062670-612		93	Parts Book Number Plate	1		
32	Screw 4.37	1	100032-003		95	Name Plate	1		
42	Cloth Plate Supporter	1	143374-001		96	Label	1		
44	Washer	1	141183-000		98	Label	1		

[NOTE! PREFIX ALL NUMBERS BY 'BR.']
EXAMPLE BR146222-001

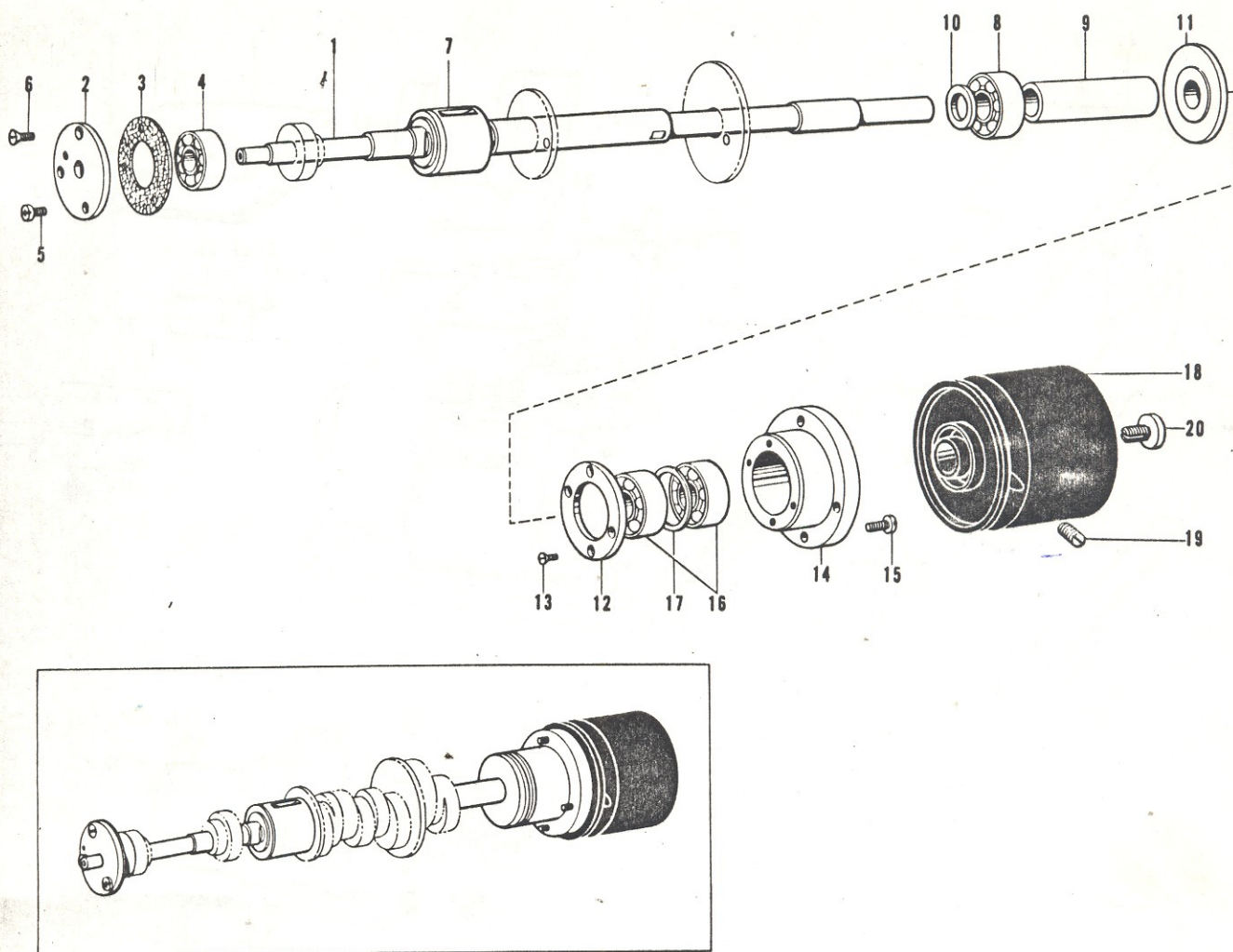
A. Machine body (2) / Maschinengehäuse (2)
Corps de la machine (2) / Cuerpo de la máquina (2)



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
2	Top Cover	1	148065-001		38	Screw 4.37	2	117160-001	
3	Gasket	1	148066-000		39	Stopper Spring For Front Cover	1	146446-001	
4	Screw 437 - 40 x 14	4	062681-412		40	Screw 357 - 40 x 4	1	062670-412	
18	Face Plate Cover	1	148073-001		41	Cloth Plate	1	148082-001	
19	Pin For Face Plate	1	146426-000		43	Screw 4.37	2	100032-003	
20	Screw 3.18	1	146427-001		46	Stopper Spring For Cloth Plate	1	148304-001	
33-1	Front Cover	1		A-33 Front Cover Assembly 148987-001	47	Screw 357 - 40 x 6	2	062670-612	
33-2	Front Cover Hinge	1	146440-001		51	Cloth Plate Lower	1	148083-001	
33-3	Shaft For Front Cover	1	146441-000		52	Screw 357 - 40 x 4	3	062670-412	
33-4	Spring	1	146442-001		69	Frame Hanger	1	148090-001	
33-5	Spring Pin 1.4 x 8	1	047140-842		70	Screw 437 - 40 x 7	3	062680-712	
33-6	Hinge Cover	1	148984-001		72	Oil Cap	2	143196-001	
33-7	Hinge Cover Presser Plate	1	152194-001		73	Threading Diagram	1	148104-001	
33-8	Screw 357 - 40 x 4	2	062670-412		90	Model Plate 812U	1		
34	Screw 437 - 40 x 8	2	060680-812		91	Pin	2		
35	Front Cover Guide	1	148103-001		92	Label	1	146976-	
36	Screw 357 - 40 x 6	2	062670-612		94	Label	1	147943-001	
37-1	Supporter For Front Cover	1		A-37 Supporter For Front Cover Assembly 146444-001	97	Label	1		
37-2	Thread Bushing	2	146924-000						

[NOTE! PREFIX ALL NUMBERS BY 'BR.']
[EXAMPLE BR146222-001]

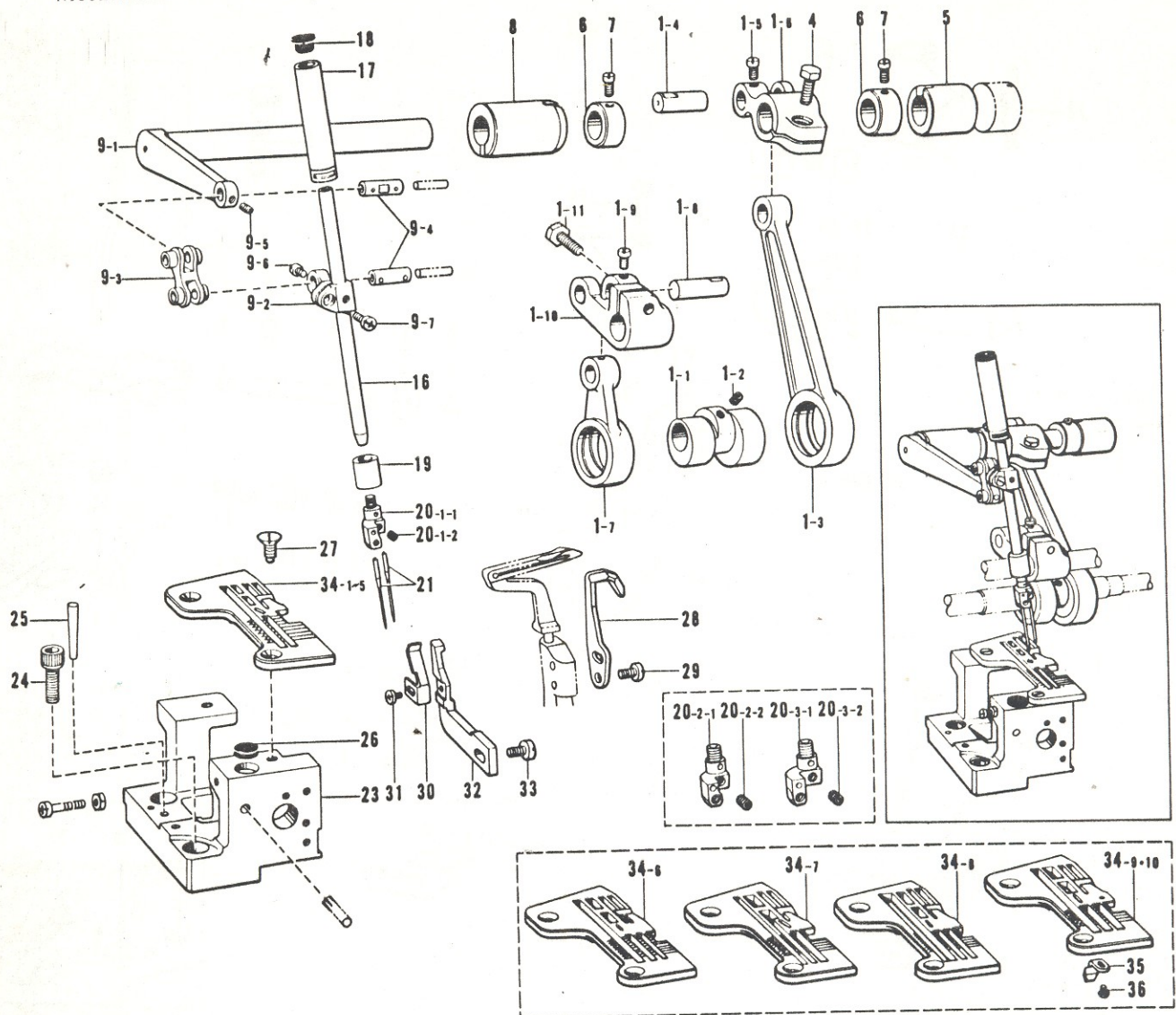
B. Crank shaft mechanism / Kurbelwelle
M canisme de vilebrequin / Mecanismo del cigue al



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
1	Crank Shaft	1	148113-001		11	Oil Rejector	1	140084-000	
2	Bearing Cap	1	150806-001		12	Bearing Cover	1	110673-000	
3	Gasket	1	143312-000		13	Screw 3.18	4	107244-001	
4	Bearing 6000	1	072600-000		14	Bearing Case	1	110670-000	
5	Screw 3.57 - 40 x 8.	2	062670-812		15	Screw 4.37 - 40 x 10	4	062681-012	
6	Screw 3.57	1	102538-002		16	Bearing 6001	2	072600-100	
7	Crank Shaft Bushing (L) Assembly	1	148373-000		17	Thrust Washer	1	110672-000	
8	Bearing 6001	1	072600-100		18	Pulley	1	140085-004	
9	Crank Shaft Bushing (L) Assembly	1	148111-000		19	Screw 5.95	2	013761-410	
10	Spacer	1	148112-000		20	Screw	1	140180-001	

[NOTE! PREFIX ALL NUMBERS BY 'BR.']
[EXAMPLE BR146222-001]

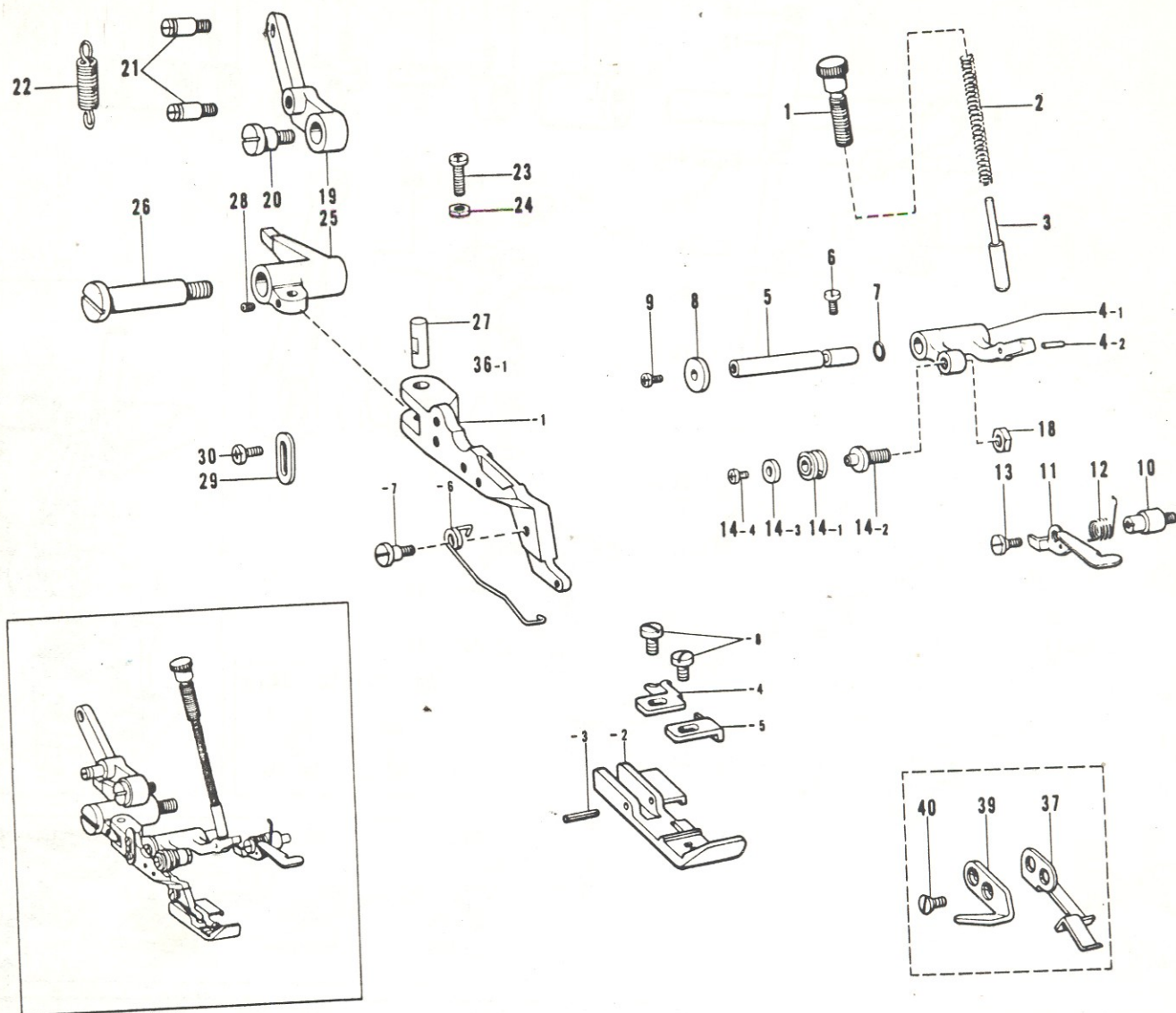
C. Needle bar mechanism / Nadelstangenvorrichtung
Mécanisme de barre à aiguille / Mecanismo del barra de aguja



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
1-1	Needle Bar, Upper Knife Eccentric Cam	1		C-1 Needle Arm Driving Crank Rod Assembly 148858-001	20-2-1	Needle Clamp 3	1		C-20-2 Needle Clamp 3 Assembly 146489-001
1-2	Screw 6.35	2	148857-001		20-2-2	Screw 3.18	2	146427-001	
1-3	Needle Bar Driving Crank Rod	1			20-3-1	Needle Clamp 5	1		C-20-3 Needle Clamp 5 Assembly 146491-001
1-4	Rod Pin	1	148117-001		20-3-2	Screw 3.18	2	146427-001	
1-5	Screw 4.37	1	100366-001		21	Needle (Cat. No. 6120)	2	151200-	
1-6	Needle Arm Driving Lever	1	148118-001		23	Needle Plate Support Bracket	1	148124-002	
1-7	Upper Knife Driving Rod	1			24	Screw 6 x 16	2	018061-622	
1-8	Rod Pin	1	148117-001		25	Pin	1	107351-001	
1-9	Screw 4.37	1	100366-001		26	Cloth Plate Cushion (B)	1	111486-001	
1-10	Upper Knife Driving Lever	1			27	Screw 4.37	2	100032-003	
1-11	Screw 5.95 x 16	1	017761-612	C-9 Needle Bar Crank Shaft Assembly 148269-001	28	Movable Needle Guard	1	144127-001	
4	Screw 5.95 x 16	1	017761-612		29	Screw 357 - 40 x 8	2	062670-812	
5	Needle Shaft Bushing (Right)	1	148120-000		30	Chain Stitch Needle Guard (F)	1	148125-001	
6	Set Collar	2	140092-001		31	Screw 318 - 40 x 4	1	062660-412	
7	Screw 4.37	4	100366-001		32	Chain Stitch Needle Guard (B)	1	148126-001	
8	Needle Shaft Bushing (Left)	1	148121-000		33	Screw 437 - 40 x 7	1	062680-712	
9-1	Needle Bar Crank Shaft	1			34-1	Throat Plate	1	146498-001	
9-2	Needle Bar Clamp	1	148122-001		34-2	Throat Plate	1	146499-001	
9-3	Needle Bar Link	1	148270-001		34-3	Throat Plate	1	146501-001	
9-4	Needle Bar Link Stud	2	148271-001		34-4	Throat Plate	1	146502-001	
9-5	Screw 3.18	1	146427-001	C-20-1 Needle Clamp 2 Assembly 146487-001	34-5	Throat Plate	1	146503-001	
9-6	Screw 318 - 40 x 4	1	062660-412		34-6	Throat Plate	1	146504-001	
9-7	Screw 357 - 40 x 8	1	062670-812		34-7	Throat Plate (Ruffling)	1	S01770-001	
16	Needle Bar	1	146483-001		34-8	Throat Plate (Ruffling)	1	S01775-001	
17	Needle Bar Bushing (U)	1	148123-001		34-9	Throat Plate	1	159769-001	
18	Cap	1	114255-002		34-10	Throat Plate (Denim)	1	159770-001	
19	Needle Bar Bushing (D)	1	146486-000		35	Needle Guide	1	159757-001	
20-1-1	Needle Clamp 2	1			36	Screw 2.38	1	100105-005	
20-1-2	Screw 3.18	2	146427-001						

[NOTE! PREFIX ALL NUMBERS BY 'BR']
EXAMPLE BR146222-001

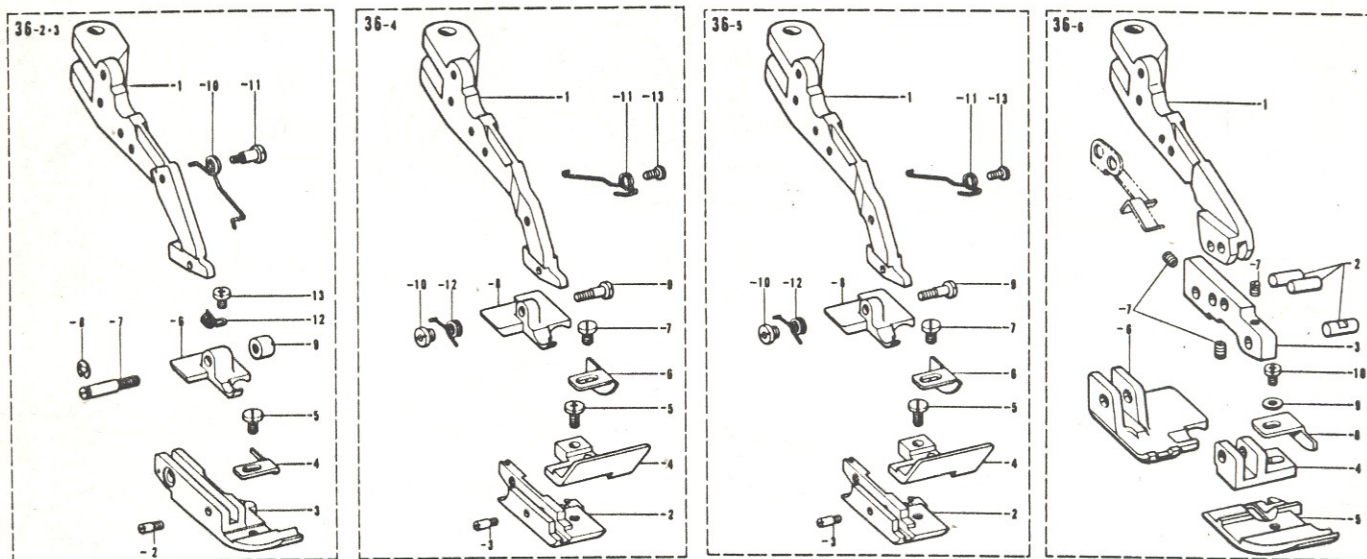
D. Presser foot mechanism (1) / Stoffdrückerfuß (1)
Mécanisme du pied presseur (1) / Mecanismo del prensatelas (1)



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
1	Presser Adjusting Screw	1	148128-001		21	Spring Hook	2	148144-001	
2	Spring	1	148129-001		22	Spring	1	148145-001	
3	Pin	1	148130-001		23	Screw 437 - 40 x 16	1	062681-612	
4-1	Presser Bar Lever	1		D-4 Presser Bar Lever Assembly 148131-001	24	Nut 4.37	1	021680-202	
4-2	Roller	1	148133-001		25	Presser Foot Supporter	1	148146-001	
5	Presser Bar Lever Shaft	1	148134-001		26	Stud Screw 7.94	1	148147-001	
6	Screw 4.37	1	104908-001		27	Pin	1	158438-001	
7	"O" Ring PW2	1	081002-670		28	Screw 3.18	1	146427-001	
8	Washer	1	148135-001		29	Presser Arm Stopper	1	148148-001	
9	Screw 437 - 40 x 7	1	062680-712		30	Screw 318 - 40 x 4	2	062660-412	
10	Presser Bar Lifter Bracket	1	148136-001		36-1-1	Presser Arm	1		
11	Presser Bar Lifter	1	148137-001		36-1-2	Presser Foot 2C	1		
12	Spring	1	148138-001		36-1-3	Pin	1	142243-000	D-36-1 Presser Foot Assembly 148155-001 (2 mm)
13	Stud Screw 3.57	1	148139-001		36-1-4	Stitch Tongue 3C	1	142244-001	
14-1	Presser Roller	1		D-14 Presser Arm Roller Assembly 148346-001	36-1-5	Chip Guard (3)	1	142245-001	
14-2	Presser Arm Roller Stud	1			36-1-6	Spring 3C	1	142246-001	
14-3	Washer	1	148813-001		36-1-7	Screw	1	142247-001	
14-4	Screw 357 - 40 x 5	1	062670-512		36-1-8	Screw 2.38 x 3.5	2	S01295-001	
18	Nut 5.95	1	100022-005		37	Spring Plate	1	156448-001	
19	Presser Foot Lifter Lever	1	148143-001		39	Trimming Knife	1	148259-001	
20	Stud Screw 6.35	1	141528-002		40	Screw 3.18	2	141542-001	

[NOTE! PREFIX ALL NUMBERS BY 'BR.']
EXAMPLE BR146222-001

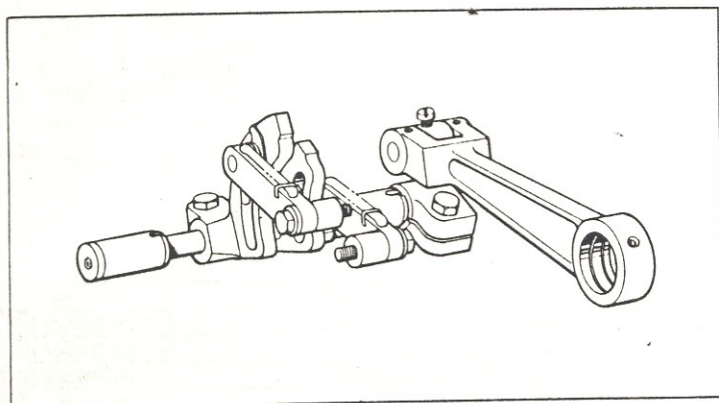
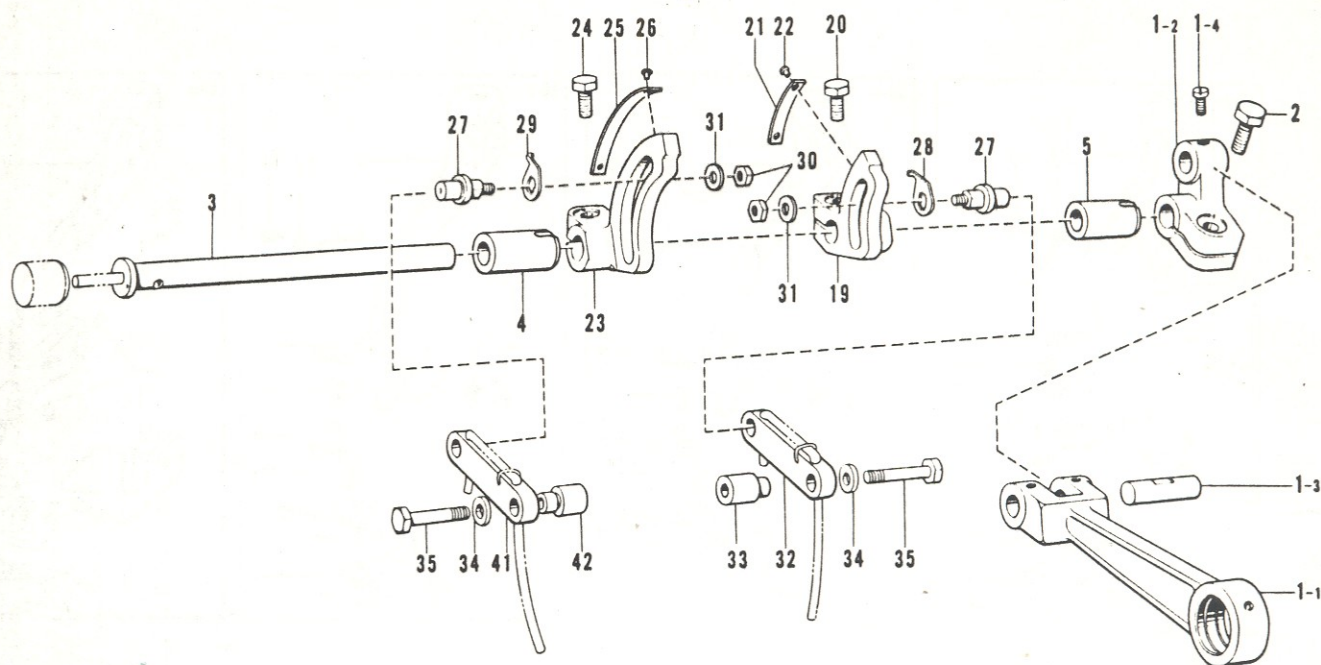
D. Presser foot mechanism (2) / Stoffdrückerfuß (2)
Mécánisme du pied presseur (2) / Mecanismo del prensatelas (2)



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
36-2- 1	Presser Arm	1		D-36-2 Presser Foot Assembly 148150-101 (3 mm)	36-4- 6	Presser Foot (Front)	1	144778-001	D-36-4 Presser Foot Assembly 148158-001 (Ruffling 2 mm)
36-2- 2	Screw	1	146865-001		36-4- 7	Screw 2.38	1	105288-001	
36-2- 3	Presser Foot	1			36-4- 8	Presser Foot (Rear)	1	146880-001	
36-2- 4	Presser Foot (Front)	1	145147-001		36-4- 9	Screw 3.18	1	140272-001	
36-2- 5	Screw 2.38	1	105288-001		36-4-10	Nut	1	140273-001	
36-2- 6	Presser Foot (Rear)	1	149260-001		36-4-11	Spring	1	140993-001	
36-2- 7	Screw	1	149261-001		36-4-12	Spring	1	140275-001	
36-2- 8	Stop Ring 2.5	1	048025-342		36-4-13	Set Screw	1	140992-001	
36-2- 9	Nut 3.18	1	149262-001		36-5- 1	Presser Arm	1		D-36-5 Presser Foot Assembly 148749-001 (Ruffling W/Piping 5 mm)
36-2-10	Spring	1	146869-001		36-5- 2	Presser Foot	1		
36-2-11	Stud Screw 3.18	1	146901-001		36-5- 3	Screw	1	140270-001	
36-2-12	Spring	1	146870-001		36-5- 4	Presser Foot (U)	1	144777-001	
36-2-13	Screw 2.38	1	122771-002		36-5- 5	Screw 318 - 40 x 7	1	062660-712	
36-3- 1	Presser Arm	1		D-36-3 Presser Foot Assembly 148153-101 (5 mm)	36-5- 6	Presser Foot (Front)	1	144778-001	
36-3- 2	Screw	1	140270-001		36-5- 7	Screw 2.38	1	105288-001	
36-3- 3	Presser Foot	1			36-5- 8	Presser Foot (Rear)	1	147489-001	
36-3- 4	Presser Foot (Front)	1	145147-001		36-5- 9	Screw 3.18	1	140272-001	
36-3- 5	Screw 2.38	1	105288-001		36-5-10	Nut	1	140273-001	
36-3- 6	Presser Foot (Rear)	1	149265-001		36-5-11	Spring	1	140993-001	
36-3- 7	Screw	1	149266-001		36-5-12	Spring	1	140275-001	
36-3- 8	Stop Ring 2.5	1	048025-342		36-5-13	Set Screw	1	140992-001	
36-3- 9	Nut 3.18	1	149262-001		36-6- 1	Presser Arm	1		D-36-6 Presser Foot Assembly 148260-101 (Denim)
36-3-10	Spring	1	146869-001		36-6- 2	Hinge Shaft	3	S01375-001	
36-3-11	Stud Screw 3.18	1	146901-001		36-6- 3	Presser Foot Supporter	1	S01373-001	
36-3-12	Spring	1	146870-001		36-6- 4	Presser Foot Under Supporter	1	S01372-001	
36-3-13	Screw 2.38	1	122771-002		36-6- 5	Presser Foot	1		
36-4- 1	Presser Arm	1		D-36-4 Presser Foot Assembly 148158-001 (Ruffling 2 mm)	36-6- 6	Presser Foot (Rear)	1	S01371-001	
36-4- 2	Presser Foot	1			36-6- 7	Screw 2.38	3	S01374-001	
36-4- 3	Screw	1	140270-001		36-6- 8	Presser Foot (Front)	1	148020-001	
36-4- 4	Presser Foot (U)	1	144777-001		36-6- 9	Washer 3	1	025030-232	
36-4- 5	Screw 318 - 40 x 7	1	062660-712		36-6-10	Screw 318 - 40 x 6	1	062660-612	

[NOTE! PREFIX ALL NUMBERS BY 'BR.']
EXAMPLE BR146222-001

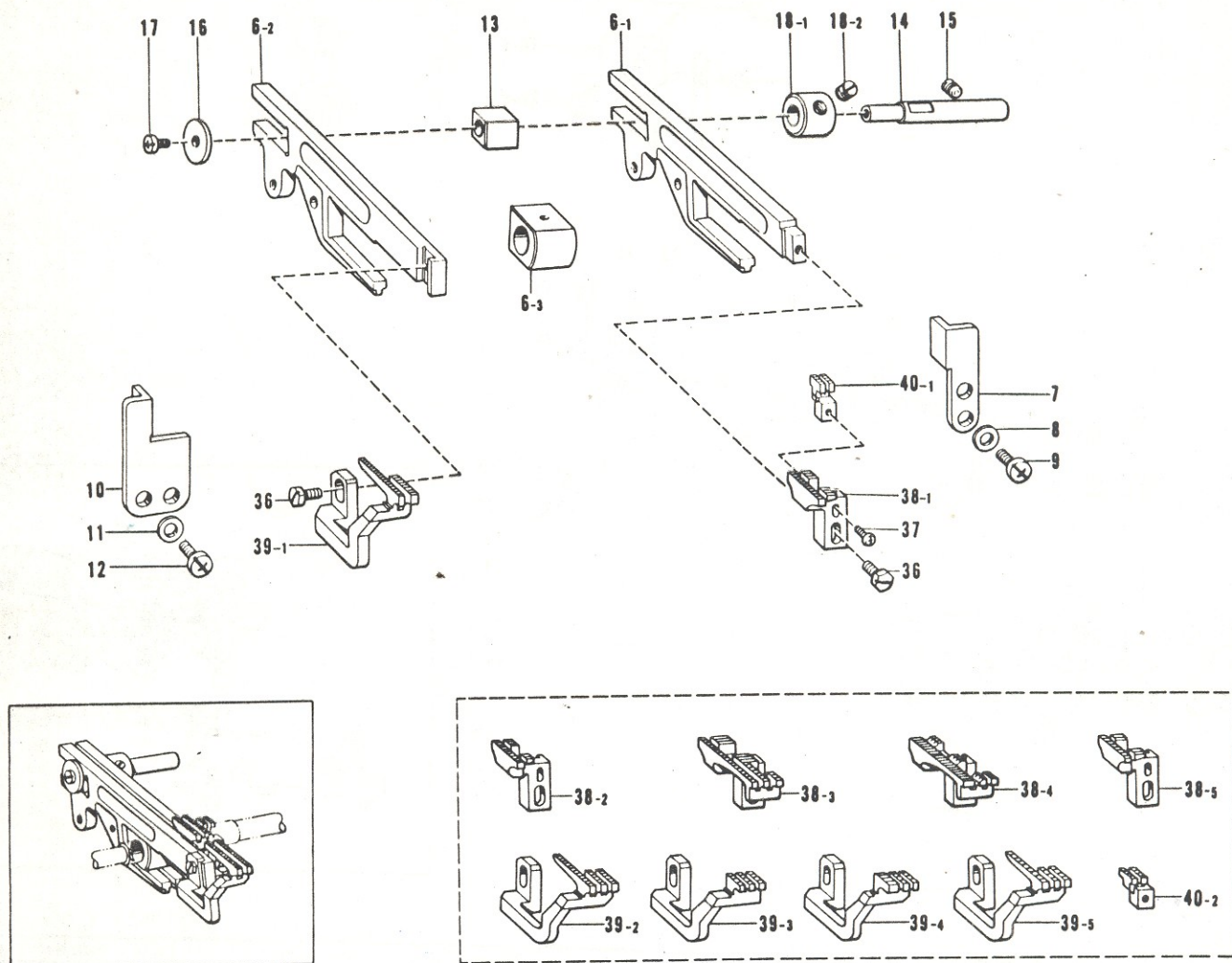
E. Feed mechanism (I) / Transportvorrichtung (I)
 Mécanisme de l'entraînement (I) / Mecanismo de la alimentación (I)



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
1-1	Feed Rod	1		E-1 Feed Rod Assembly 148163-001	25	Indicator Plate	1	148180-001	
1-2	Feed Arm	1			26	Pin	2	116231-001	
1-3	Feed Arm Pin	1	148166-001		27	Feed Link Shaft	2	148181-001	
1-4	Screw 4.37	1	100366-001		28	Feed Link Indicator Plate (Right)	1	148182-001	
2	Screw 5.95 x 14	1	017761-412		29	Feed Link Indicator Plate (Left)	1	148183-001	
3	Feed Shaft	1	148167-001		30	Nut 4.76	2	148838-001	
4	Feed Shaft Bushing (Left)	1	148168-000		31	Washer	2	148847-001	
5	Feed Shaft Bushing (Right)	1	148169-000		32	Feed Link	1	148184-000	
19	Main Feed Arm	1	148177-001		33	Feed Link Bushing	1	148185-001	
20	Screw 5.95 x 14	1	017761-412		34	Washer	2	140208-001	
21	Indicator Plate	1	148178-001		35	Screw 4.76	2	148186-001	
22	Pin	2	116231-001		41	Feed Link	1	148403-001	
23	Differential Feed Arm	1	148179-001		42	Feed Link Bushing	1	148404-001	
24	Screw 5.95 x 14	1	017761-412						

[NOTE! PREFIX ALL NUMBERS BY 'BR']
 [EXAMPLE BR146222-001]

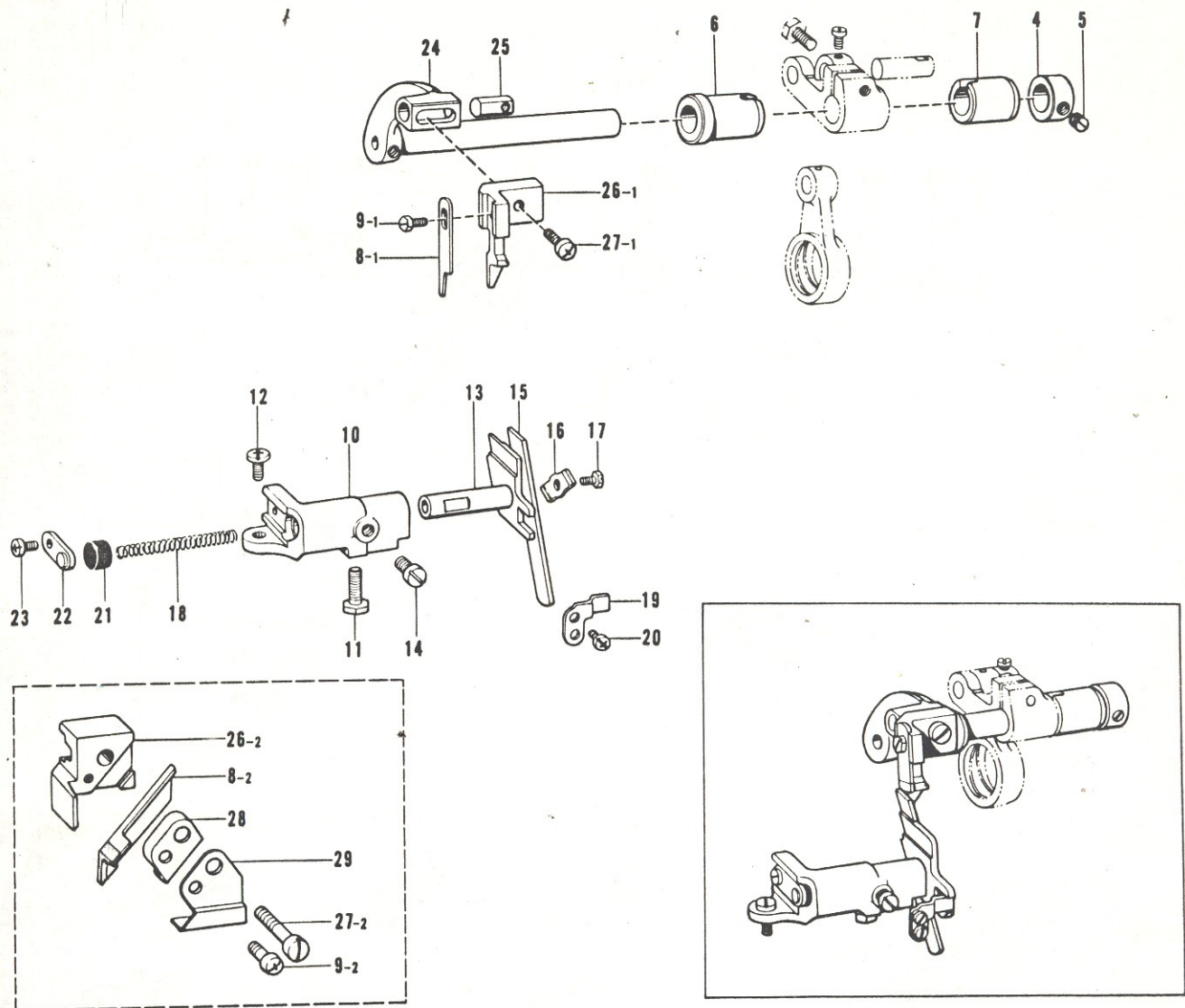
E. Feed mechanism (2) / Transportvorrichtung (2)
 Mécanisme de l'entraînement (2) / Mecanismo de la alimentación (2)



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
6-1	Main Feed Bar	1		E-6	37	Screw 238 - 56 x 8	1	062630-812	
6-2	Differential Feed Bar	1		Feed Bar Guide	38-1	Main Feed (Back) Dog	1	146567-001	
6-3	Feed Lifting Slide Block	1	148173-000	Block Assembly	38-2	Main Feed (Back) Dog	1	146568-001	
7	Feed Bar Guide (Right)	1	148174-000	148262-001	38-3	Main Feed (Back) Dog (Ruffling)	1	S01781-001	
8	Washer	2	100645-003		38-4	Main Feed (Back) Dog (Ruffling, W/Piping)	1	S01785-001	
9	Screw 437 - 40 x 8	2	060680-812		38-5	Main Feed (Back) Dog (Denim)	1	146569-001	
10	Feed Bar Guide (Left)	1	148175-000		39-1	Differential Feed (Front) Dog	1	146572-001	
11	Washer	2	100645-003		39-2	Differential Feed (Front) Dog	1	146573-001	
12	Screw 437 - 40 x 8	2	060680-812		39-3	Differential Feed (Front) Dog (Ruffling)	1	146575-001	
13	Feed Bar Guide Block	1	146547-000		39-4	Differential Feed (Front) Dog (Ruffling)	1	146576-001	
14	Feed Bar Guide Block Shaft	1	148176-001		39-5	Differential Feed (Front) Dog (Denim)	1	146574-001	
15	Screw 6.35 x 6	1	014770-622		40-1	Chain Feed Dog	1	146577-001	
16	Slide Plate	1	146549-001		40-2	Chain Feed Dog (Bulky, Ruffling)	1	148189-001	
17	Screw 437 - 40 x 7	1	062680-712						
18-1	Set Collar	1		E-18					
18-2	Screw 6.35	2	101706-001	Collar Assembly					
36	Screw 4.37	2	117516-001	181995-001					

[NOTE! PREFIX ALL NUMBERS BY 'BR.']
 [EXAMPLE BR146222-001]

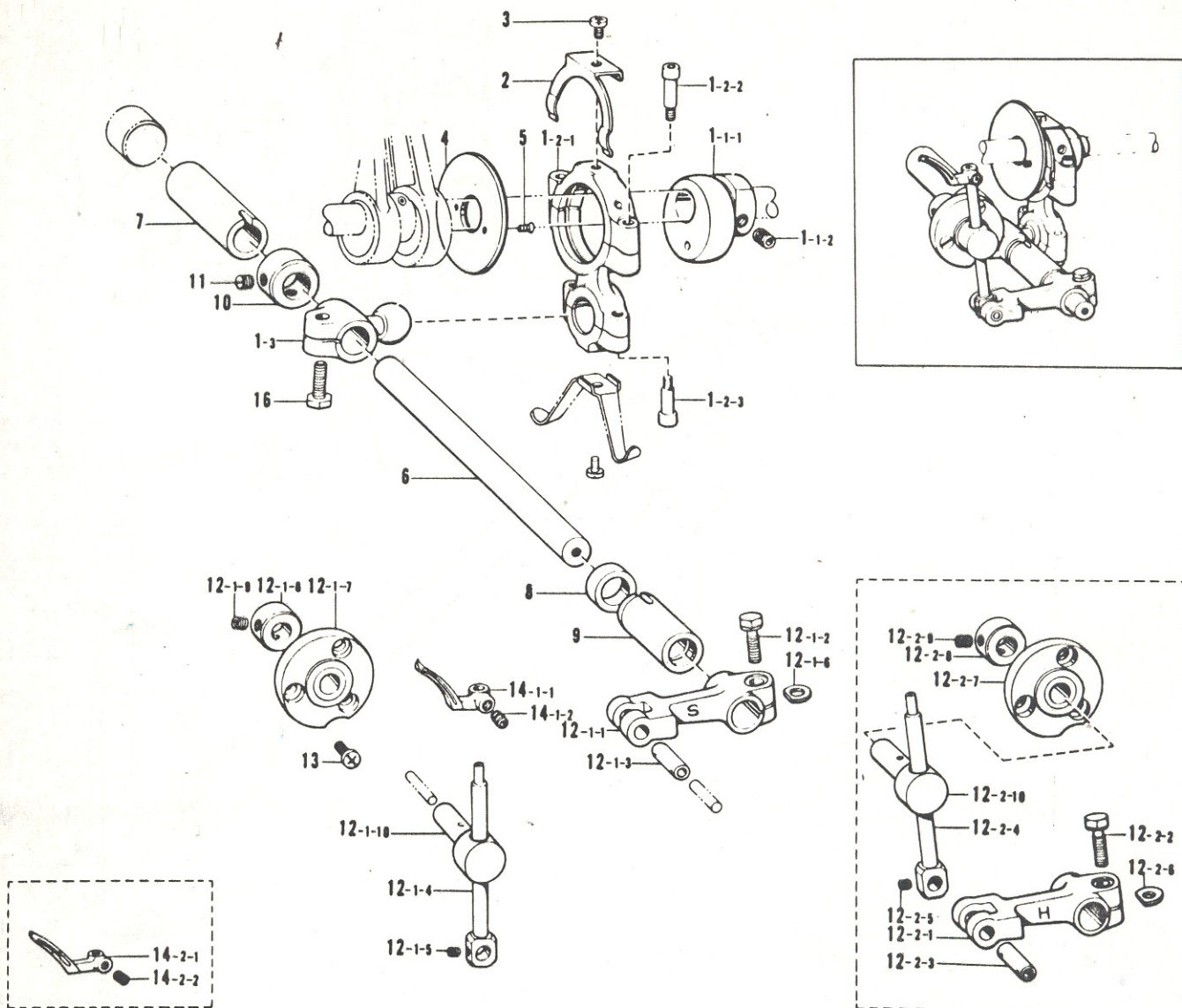
F. Knife mechanism / Messer
Mécanisme du couteau / Mecanismo del cuchilla



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
4	Set Collar	1	146581-001		17	Screw 4.37	1	117516-001	
5	Screw 5.95	2	100260-001		18	Spring	1	146584-001	
6	Knife Driving Shaft Bushing (Left)	1	148196-000		19	Lower Knife Holder Guide	1	146585-001	
7	Knife Driving Shaft Bushing (Right)	1	148197-000		20	Screw 357 - 40 x 6	2	062670-612	
8-1	Upper Knife	1	148198-001		21	Cap	1	146586-000	
8-2	Upper Knife	1	148342-001		22	Lower Knife Holder Spring Stopper	1	140248-001	
9-1	Screw 3.57	1	144075-001		23	Screw 437 - 40 x 7	1	062680-712	
9-2	Screw 357 - 40 x 10	1	062671-016		24	Upper Knife Driving Arm	1	146580-001	
10	Lower Knife Holder Supporter	1	146582-001		25	Nut	1	148281-001	
11	Screw 6.35 x 16	1	017771-612		26-1	Upper Knife Holder	1	144179-001	
12	Screw 437 - 40 x 8	1	060680-812		26-2	Upper Knife Holder	1	148345-001	
13	Lower Knife Holder	1	146583-001		27-1	Screw 437 - 40 x 8	1	060680-812	
14	Screw 6.35	1	102627-001		27-2	Screw 4.37	1	102424-003	
15	Lower Knife	1	112436-001		28	Upper Knife Presser	1	148343-001	
16	Lower Knife Presser Plate	1	117515-001		29	Presser Plate	1	148344-001	

[NOTE! PREFIX ALL NUMBERS BY 'BR.'
EXAMPLE BR146222-001]

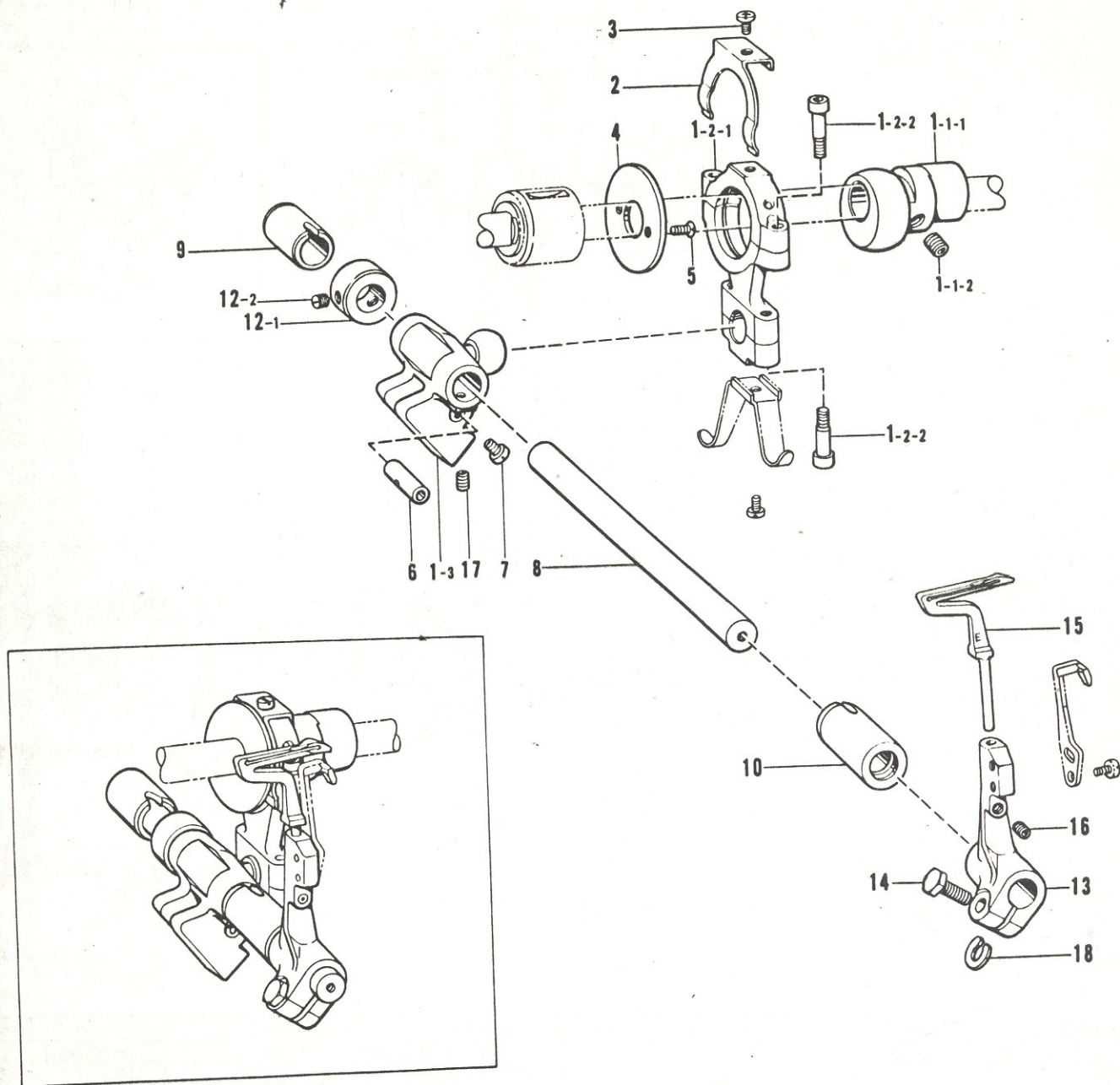
G. Over looper mechanism / Oberen Greifer
Mécanisme du boucleur supérieur / Mecanismo del presilladora superior



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
1-1-1	Over Looper Eccentric Cam	1		G-1-1	12-1- 3	Over Looper Holder Pin	1	148212-001	G-12-1 Over Looper Assemble 148209-001 (Standard)
1-1-2	Screw 6.35	2	148857-001	G-1-1	12-1- 4	Over Looper Holder	1	148213-101	
1-2-1	Over Looper Connecting Rod	1		G-1-2	12-1- 5	Screw 4.76	1	013719-412	
1-2-2	Screw 4.37 x 18	2	150382-001	G-1-2	12-1- 6	Spacer	1	148783-001	
1-2-3	Screw 4.37 x 14	2	148425-001	G-1-2	12-1- 7	Over Looper Holder Guide Base	1		
1-3	Over Looper Connecting Lever	1		G-1-2	12-1- 8	Set Collar	1		
2	Looper Connecting Rod Stopper	1	148204-001	G-1-2	12-1- 9	Screw 4.37	2	014680-422	
3	Screw 357 - 40 x 5	1	062670-512	G-1-2	12-1-10	Over Looper Holder Guide Block	1		
4	Looper Connecting Rod Stopper Guide (R)	1	148205-001	G-1-2	12-2- 1	Over Looper Driving Lever	1		
5	Screw 3.57	2	102843-004	G-1-2	12-2- 2	Screw 5.95 x 16	1	149172-001	G-12-2 Over Looper Assemble 148217-001 (High-lift)
6	Over Looper Shaft	1	148206-001	G-1-2	12-2- 3	Over Looper Holder Pin	1	148212-001	
7	Over Looper Shaft Bushing Back	1	148207-000	G-1-2	12-2- 4	Over Looper Holder	1	148213-101	
8	Thrust Collar	1	148208-001	G-1-2	12-2- 5	Screw 4.76	1	013719-412	
9	Bushing	1	144031-000	G-1-2	12-2- 6	Spacer	1	148783-001	
10	Set Collar	1	146581-001	G-1-2	12-2- 7	Over Looper Holder Guide Base	1		
11	Screw 5.95	2	100260-001	G-1-2	12-2- 8	Set Collar	1		
12-1- 1	Over Looper Driving Lever	1		G-1-2	12-2- 9	Screw 4.37	2	014680-422	
12-1- 2	Screw 5.95 x 16	1	149172-001	G-1-2	12-2-10	Over Looper Holder Guide Block	1		
				G-1-2	13	Screw 437 - 40 x 7	3	062680-712	
				G-1-2	14-1-1	Over Looper (Standard)	1		G-14-1 Over Looper 147934-001
				G-1-2	14-1-2	Screw 4.37	1	014680-422	
				G-1-2	14-2-1	Over Looper (High-lift)	1		G-14-2 Over Looper 159686-001
				G-1-2	14-2-2	Screw 4.37	1	014680-422	
				G-1-2	16	Screw 6.35 x 16	1	017771-612	

[NOTE! PREFIX ALL NUMBERS BY 'BR.']
[EXAMPLE BR146222-001]

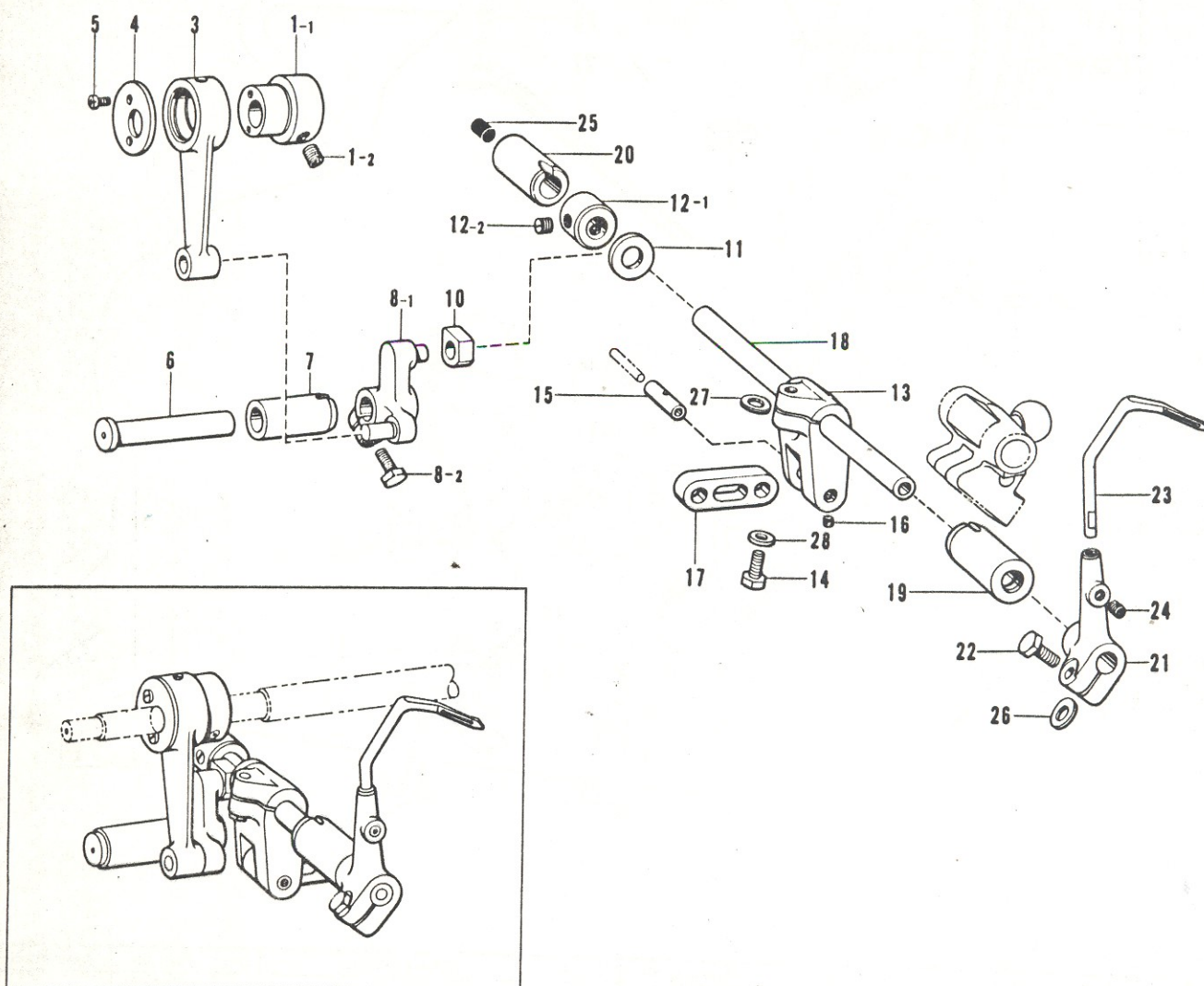
H. Under looper mechanism / Unterer Greifer
Mécanisme du boucleur inférieur / Mecanismo del presilladora inferior



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
1-1-1	Under Looper Eccentric Cam	1	148857-001	H-1-1 Under Looper Eccentric Cam Assembly 181629-001	5	Screw 3.57	2	102843-004	
1-1-2	Screw 6.35	2			6	Under Looper Holder Pin	1	148232-001	
1-2-1	Under Looper Connecting Rod	1	148425-001	H-1-2 Under Looper Connecting Rod With Screw S01227-001	7	Screw 3.57	1	144458-001	
1-2-2	Screw 4.37 x 14	4			8	Under Looper Shaft	1	148226-001	
1-3	Under Looper Connecting Lever	1	148224-001	H-1 Under Looper Connecting Rod Assembly 148230-001	9	Under Looper Shaft Bushing Back	1	148227-000	
2	Looper Connecting Rod Stopper	1			10	Under Looper Shaft Bushing Front	1	148228-000	
3	Screw 357 - 40 x 5	1	062670-512		12-1	Set Collar	1	013760-612	H-12 Collar Assembly 180323-001
4	Looper Connecting Rod Stopper Guide (L)	1	148225-001		12-2	Screw 5.95	2		
					13	Under Looper Holder	1	146617-001	
					14	Screw 5.56 x 14	1	149171-001	
					15	Under Looper	1	S01248-001	
					16	Screw 4.37	1	014680-422	
					17	Screw 4.37	2	014680-422	
					18	Spacer	1	148782-001	

[NOTE! PREFIX ALL NUMBERS BY 'BR.']
EXAMPLE BR146222-001

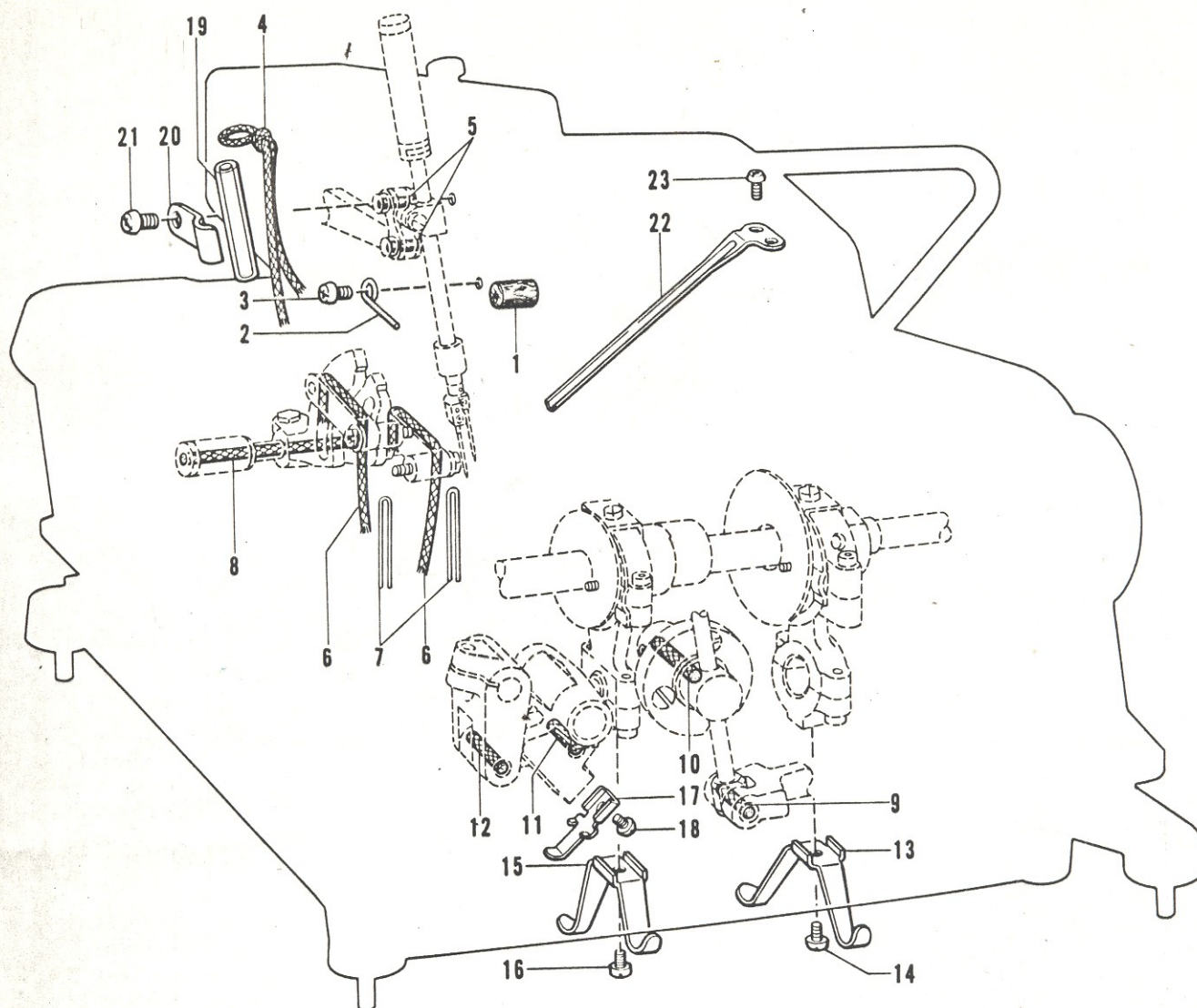
J. Double chain stitch looper mechanism / Doppelkettenstichgreifer
 Mécanisme de boucleur pour point de chaînette double / Mecanismo del presilladora de doble cadeneta



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
1-1	Longitudinal Eccentric Cam	1		J-1 Longitudinal Eccentric Cam Assembly 181657-001	14	Screw 5.95 x 14	1	017761-412	
1-2	Screw 6.35	2	148857-001		15	Chain Stitch Looper Driving Lever Pin	1	148241-001	
3	Longitudinal Feed Driving Rod	1	148234-000		16	Screw 3.18	1	146247-001	
4	Driving Rod Presser Plate	1	148235-001		17	Chain Stitch Looper Link	1	148242-001	
5	Screw 238 - 56 x 6	2	062630-612		18	Longitudinal Feed	1	148243-001	
6	Longitudinal Feed Lever Shaft	1	148236-001		19	Bushing (Front)	1	148244-000	
7	Longitudinal Feed Lever Shaft Bushing	1	148237-000		20	Bushing (Back)	1	148245-000	
8-1	Longitudinal Feed Lever	1		J-8 Longitudinal Feed Lever With Screw 181668-001	21	Chain Stitch Looper Holder	1	146634-001	
8-2	Screw 6.35 x 14	1	017771-412		22	Screw 5.56 x 14	1	149171-001	
10	Slide Block	1	140313-001		23	Chain Stitch Looper	1	146635-001	
11	Thrust Collar	1	148239-001		24	Screw 4.37	1	014680-422	
12-1	Set Collar	1		J-12 Collar Assembly 181995-001	25	Oil Cap	1	140327-001	
12-2	Screw 6.35	2	101706-001		26	Spacer	1	148782-001	
13	Chain Stitch Looper Driving Lever	1	148240-001		27	Washer 6	1	025060-232	
					28	Washer 6	1	025060-132	

[NOTE! PREFIX ALL NUMBERS BY 'BR.']
 [EXAMPLE BR146222-001]

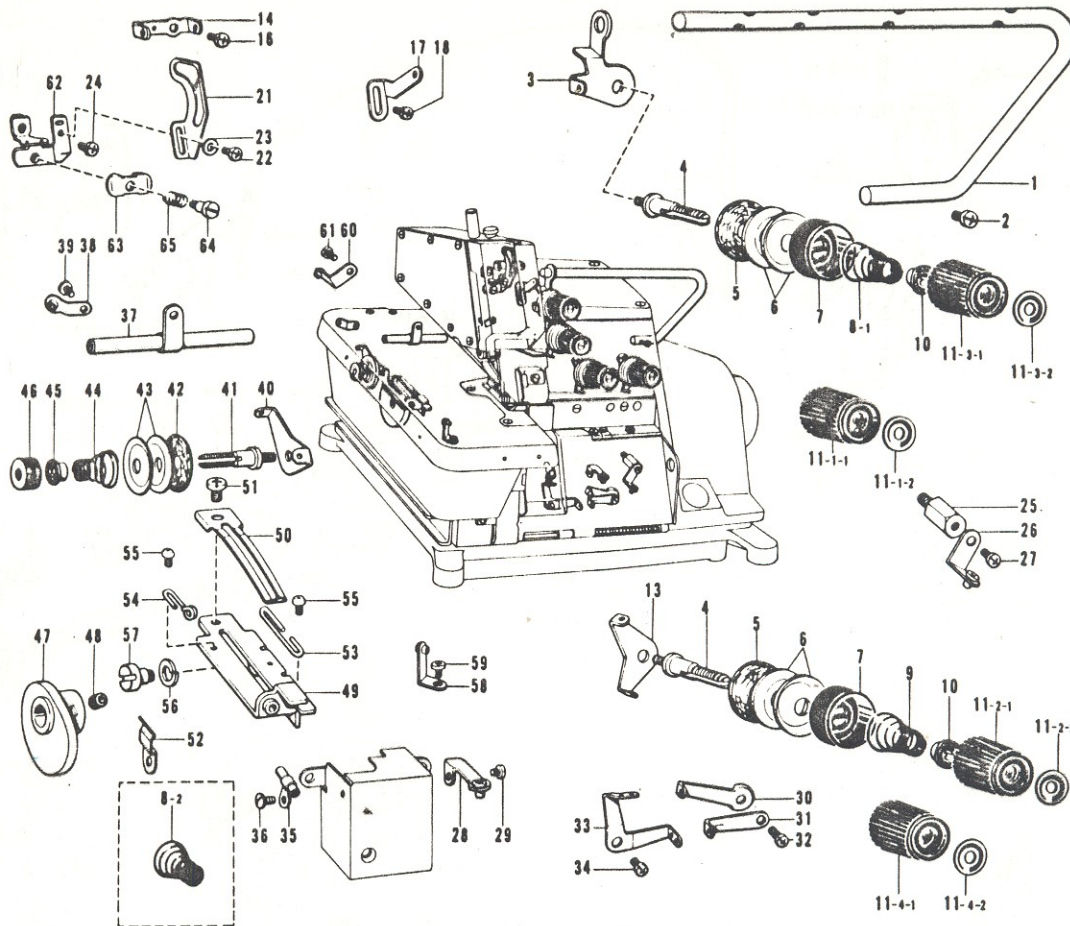
K. Lubrication / Schmierung
Lubrification / Lubricación



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
1	Felt	1	112754-001		13	Oil Jumping Plate (R)	1	148250-001	
2	Felt Holder	1	148247-001		14	Screw 357 - 40 x 5	1	062670-512	
3	Screw 437 - 40 x 7	1	062680-712		15	Oil Jumping Plate (L)	1	148251-001	
4	Wick	1	118768-001		16	Screw 357 - 40 x 5	1	062670-512	
5	Felt	2	147691-000		17	Oil Jumping Plate (D)	1	148252-001	
6	Wick	2	142674-000		18	Screw 357 - 40 x 5	1	062670-512	
7	Cap	2	140774-000		19	Vinyl Tube	1	146644-000	
8	Wick	1	148248-000		20	Tube Holder	1	148315-001	
9	Wick	1	108809-001		21	Screw 437 - 40 x 7	1	062680-712	
10	Wick	1	148249-000		22	Oil Guide	1	154288-001	
11	Wick	1	143444-001		23	Screw 437 - 40 x 7	2	062680-712	
12	Wick	1	117591-001						

[NOTE! PREFIX ALL NUMBERS BY 'BR.']
[EXAMPLE BR146222-001]

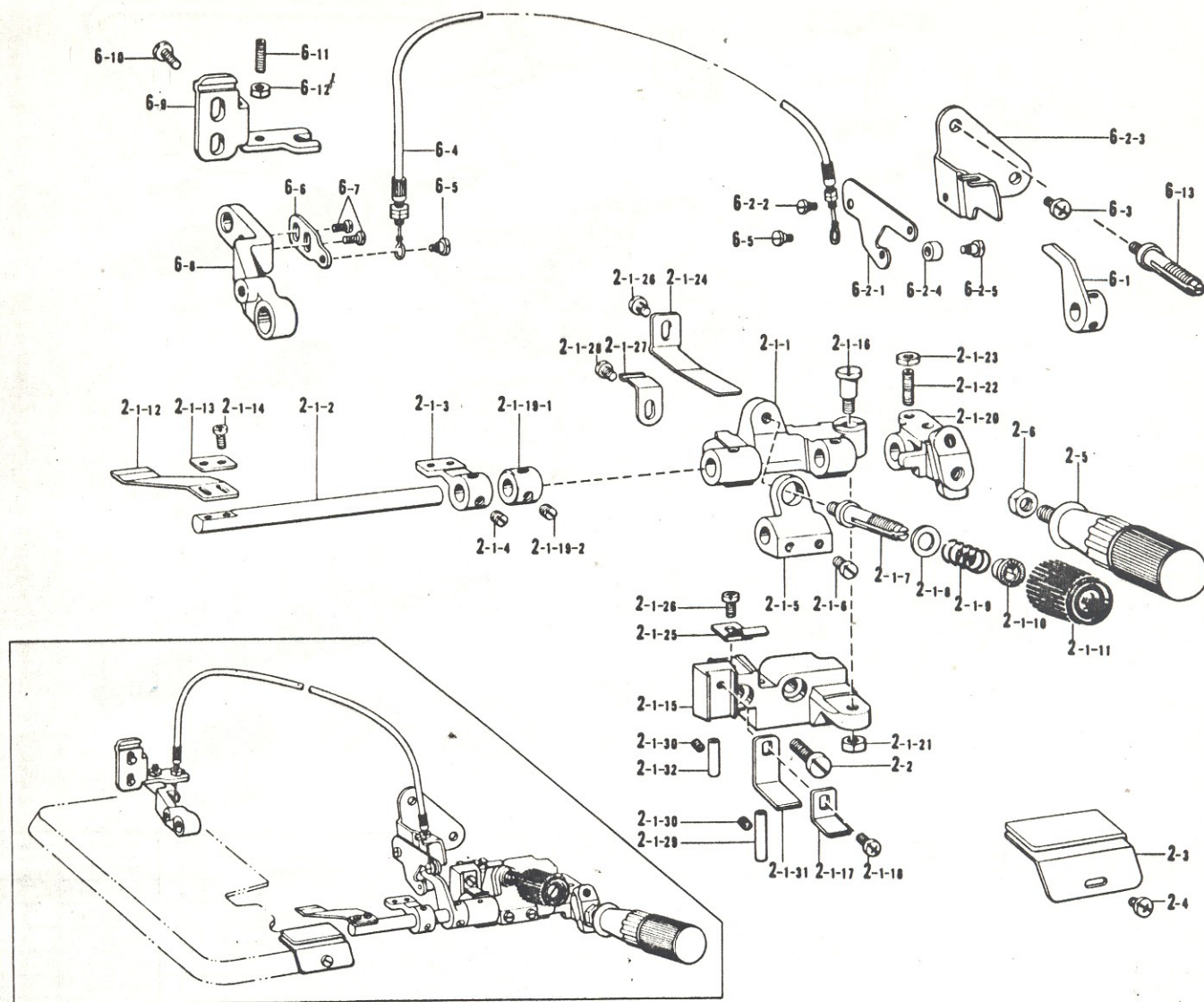
L. Thread tension / Fadernspannung
Tension du fil / Tension del hilo



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
1	Main Thread Guide	1	148253-001		28	Over Looper Thread Guide	1	146929-001	
2	Screw 437 - 40 x 14	1	062681-412		29	Screw 357 - 40 x 6	1	062670-612	
3	Thread Guide Supporter	1	146649-001		30	Over Looper Thread Take-up (R)	1	146652-001	
4	Looper Thread Tension Control Stud	1	110820-101		31	Under Looper Thread Take-up (R)	1	146653-001	
5	Felt	4	110832-001		32	Screw 357 - 40 x 8	1	062670-812	
6	Tension Disc	8	145446-001		33	Looper Thread Take-up (L)	1	146654-001	
7	Presser For Tension Disc	4	144103-003		34	Screw 357 - 40 x 6	1	062670-612	
8-1	Spring	2	144104-001		35	Over Looper Thread Guide	1	142669-002	
8-2	Spring	2	148851-001		36	Screw 2.38	1	100105-005	
9	Spring	2	144110-001		37	Over Looper Thread Guide	1	148256-001	
10	Tension Spring Washer	4	144105-000		38	Chain Stitch Looper Thread Guide	1	151617-001	
11-1-1	Thread Tension Control Nut	1	149566-002	L-11-1 Thread Tension Control Nut Assembly 151201-001	39	Screw 357 - 40 x 6	1	062670-612	
11-1-2	Tension Indicating Plate	1	147049-001		40	Needle Thread Guide Plate	1	110813-001	
11-2-1	Thread Tension Control Nut	1	149566-002	L-11-2 Thread Tension Control Nut Assembly 151201-002	41	Thread Tension Control Stud	1	147148-001	
11-2-2	Tension Indicating Plate	1	147049-002		42	Felt	1	110832-001	
11-3-1	Thread Tension Control Nut	1	149566-002	L-11-3 Thread Tension Control Nut Assembly 151201-003	43	Tension Disc	2	145446-001	
11-3-2	Tension Indicating Plate	1	147049-003		44	Spring	1	147149-001	
11-4-1	Thread Tension Control Nut	1	149566-002	L-11-4 Thread Tension Control Nut Assembly 151201-004	45	Tension Spring Washer	1	144105-000	
11-4-2	Tension Indicating Plate	1	147049-004		46	Nut	1	151012-001	
13	Needle Thread Guide Plate	3	110813-001		47	Chain Stitch Looper Take-up	1	150807-101	
14	Needle Thread Guide Plate (A)	1	143757-001		48	Screw 4.37	2	014680-422	
16	Screw 357 - 40 x 8	1	062670-812		49	Chain Stitch Base Plate Assembly	1	150808-001	
17	Chain Stitch Needle Thread Guide	1	148255-001		50	Thread Handler	1	150810-001	
18	Screw 357 - 40 x 8	1	062670-812		51	Screw 357 - 40 x 4	1	062670-412	
21	Needle Thread Take-up	1	144108-001		52	Spring	1	150813-001	
22	Screw 318 - 40 x 4	1	062660-412		53	Thread Guide (R)	1	146663-001	
23	Washer	1	105248-003		54	Thread Guide (L)	1	150811-001	
24	Screw 357 - 40 x 5	1	062670-512		55	Screw 238 - 56 x 4	2	060630-412	
25	Thread Guide Holder	1	148254-001		56	Spring Washer 2 - 5	1	028050-242	
26	Under Looper Thread Guide	1	146926-002		57	Stud Screw 4.37	1	150812-001	
27	Screw 357 - 40 x 6	1	062670-612		58	Under Looper Thread Guide	1	146930-001	
					59	Screw 357 - 40 x 6	1	062670-612	
					60	Under Looper Thread Guide	1	146926-001	
					61	Screw 357 - 40 x 6	1	062670-612	
					62	Needle Thread Take-up Supporter	1	147344-001	
					63	Needle Thread Guard	1	112300-001	
					64	Stud Screw 3.18	1	112301-001	
					65	Needle Thread Guard Spring	1	112299-001	

[NOTE! PREFIX ALL NUMBERS BY 'BR']
EXAMPLE BR146222-001

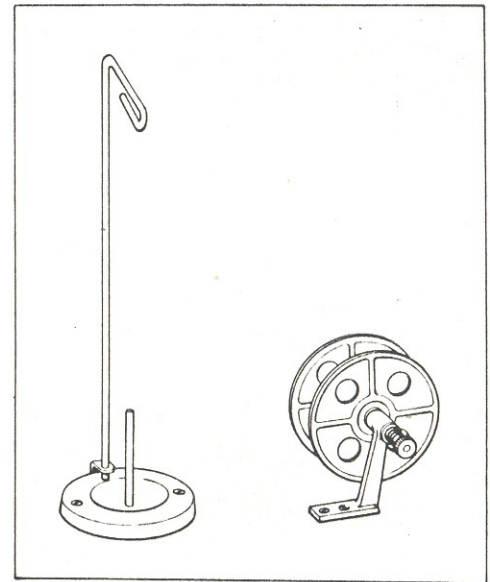
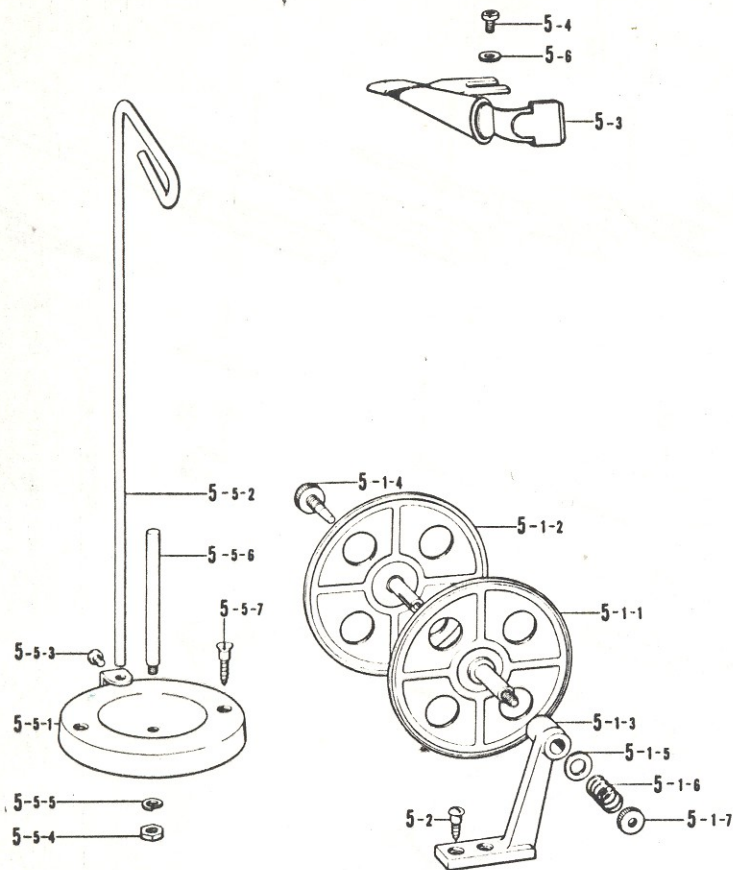
M. Ruffling Attachment (I) / Kräuselvorrichtung (I)
 Accessoire pour fronces (I) / Accesorio de fruncido (I)



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
2-1-1	Bracket For Ruffling Blade	1	146588-001	M-2-1 Ruffling Attachment Assembly 146587-202	2-1-28	Screw 357 - 40 x 5	1	060670-512	M-2-1 Ruffling Attachment Assembly 146587-202
2-1-2	Ruffling Blade Base Shaft	1	145803-001		2-1-29	Thread Guide Pipe	1	146592-001	
2-1-3	Wrapper Base	1	146589-001		2-1-30	Screw 3.57	2	013679-412	
2-1-4	Screw 6.35	2	101706-001		2-1-31	Ruffling Blade Guide Plate (D)	1	154795-001	
2-1-5	Spring Bace	1	146590-001		2-1-32	Thread Guide Pipe	1	S01614-001	M-6-2 Ruffling Plate Lifter Lever Assembly 148395-001
2-1-6	Screw 5.95	2	105163-001		2-2	Screw 6.35 x 18	2	S01304-001	
2-1-7	Looper Thread Tension Control Stud	1	110820-101		2-3	Ruffler Guide	1	144793-000	
2-1-8	Washer 6.35	1	025770-232		2-4	Screw 357 - 40 x 6	1	060670-616	
2-1-9	Spring	1	144788-001		2-5	Handle	1	145809-001	M-6 Ruffler Interlocking Parts Assembly 151238-002
2-1-10	Tension Spring Washer	1	144105-000		2-6	Nut 6.35	1	150556-002	
2-1-11	Tension Nut	1	149566-001		6-1	Ruffling Plate Lifter	1	148387-001	
2-1-12	Ruffling Blade	1	144783-001		6-2-1	Ruffling Plate Lifter Lever	1	148388-001	
2-1-13	Washer	1	144784-001		6-2-2	Screw	1	141514-001	M-6 Ruffler Interlocking Parts Assembly 151238-002
2-1-14	Screw 318 - 40 x 7	2	062660-712		6-2-3	Presser Foot Lifter Lever Supporter	1	148389-001	
2-1-15	Ruffler Base	1			6-2-4	Roller	1	148390-001	
2-1-16	Stud Screw 5.95	1	147933-001		6-2-5	Stud Screw 3.18	1	112301-001	
2-1-17	Ruffling Blade Guide	1	145807-001	M-2-1-19 Collar Assembly 181995-002	6-3	Screw 437 - 40 x 8	1	062680-812	M-6 Ruffler Interlocking Parts Assembly 151238-002
2-1-18	Screw 437 - 40 x 8	1	062680-812		6-4	Flexible Wire Assembly	1	149253-001	
2-1-19-1	Set Collar	1			6-5	Screw	2	141514-001	
2-1-19-2	Screw 6.35	2	101706-001		6-6	Wire Plate	1	149255-001	
2-1-20	Handle Fixing Plate	1	145810-001		6-7	Screw 357 - 40 x 6	2	062670-612	M-6 Ruffler Interlocking Parts Assembly 151238-002
2-1-21	Nut 5.95	1	150553-002		6-8	Presser Foot Lifter Lever	1	149256-001	
2-1-22	Screw 4.37	1	110230-001		6-9	Lever Adjusting Plate	1	151614-001	
2-1-23	Nut 4.37	1	105234-003		6-10	Screw 594 - 28 x 10	2	062761-012	
2-1-24	Spring Plate	1	145811-001		6-11	Screw 4.76	1	153483-001	M-6 Ruffler Interlocking Parts Assembly 151238-002
2-1-25	Spring Plate	1	145808-001		6-12	Nut 4.76	1	110161-006	
2-1-26	Screw 437 - 40 x 6	2	062680-612		6-13	Thread Tension Control Stud	2	159574-001	
2-1-27	Spring	1	144764-001						

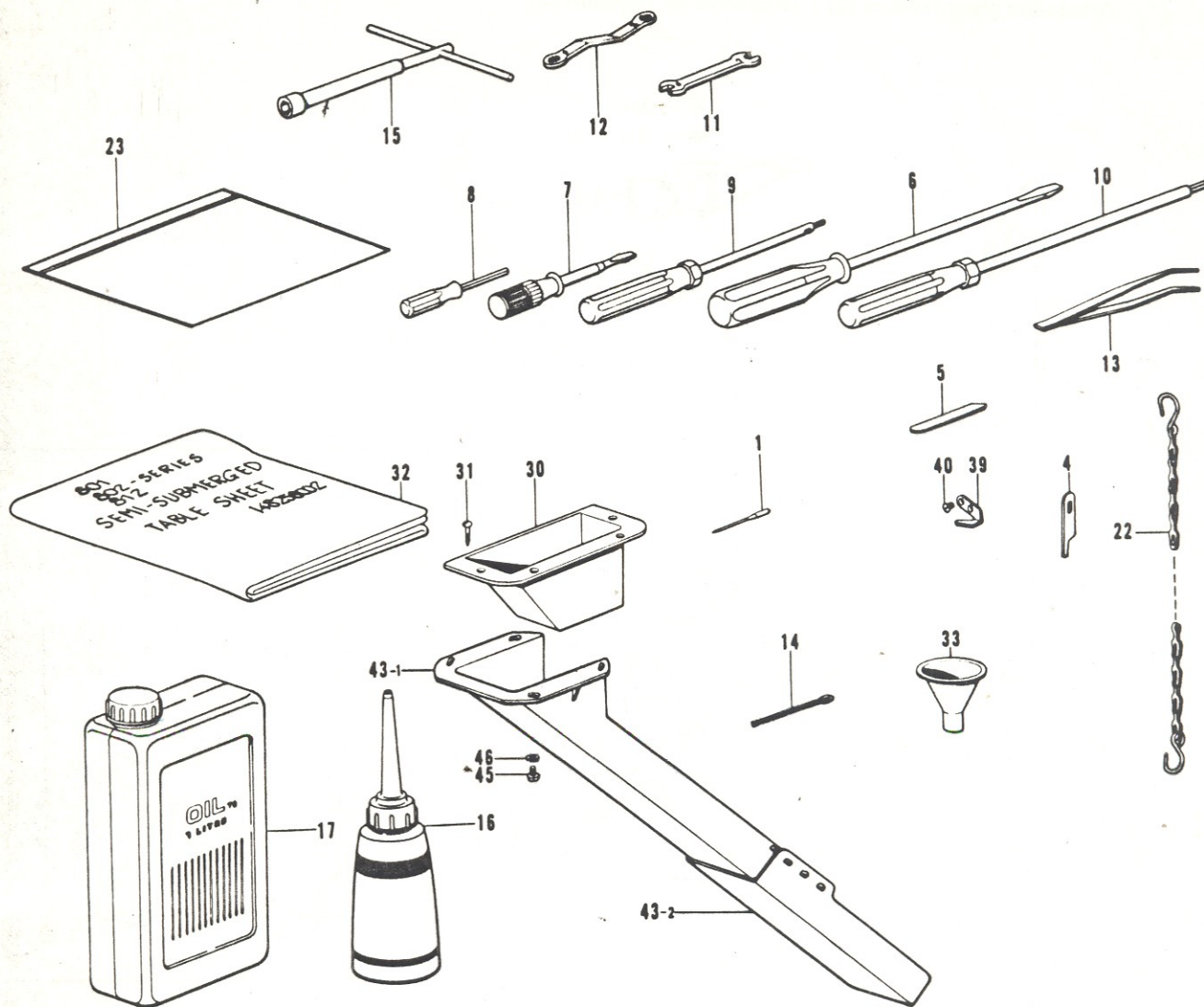
[NOTE! PREFIX ALL NUMBERS BY 'BR.']
 [EXAMPLE BR146222-001]

M. Ruffling Attachment (2) / Kräuselvorrichtung (2)
 Accessoire pour fronces (2) / Accesorio de fruncido (2)



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
5-1-1	Tape Winder Wheel (R)	1		M-5-1 Tape Winder Assembly 143767-002	5-4	Screw 437 - 40 x 6	2	062680-612	
5-1-2	Tape Winder Wheel (L)	1			5-5-1	Spool Disc	1	109852-001	
5-1-3	Tape Winder Bracket	1			5-5-2	Thread Guide Stud	1	109853-001	
5-1-4	Screw	1	143980-001		5-5-3	Screw 3.18	1	100080-004	M-5-5 Thread Unwinder Assembly 181031-001
5-1-5	Washer	1	108494-001		5-5-4	Nut 4.76	1	110161-003	
5-1-6	Spring	1	108495-001		5-5-5	Spring Washer 2 - 5	1	028050-242	
5-1-7	Tension Control Nut	1	100136-001		5-5-6	Spool Stud	1	100444-002	
5-2	Screw 4.5 x 20	2	101118-001		5-5-7	Screw 4.5 x 32	2	100447-001	
5-3	Wrapper Assembly	1	147440-000		5-6	Washer	2	110735-002	

[NOTE! PREFIX ALL NUMBERS BY 'BR.']
 [EXAMPLE BR146222-001]



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
1	Needle (Cat. No. 6120)	10	151200-		17	Oil Tank	1	145277-105	
4	Upper Knife	1	148198-001		22	Chain Assembly	1	142262-001	
5	Lower Knife	1	112436-001		23	Vinyl Bag	1	122991-002	
6	Screw Driver 5.5 x 190	1	101572-101		30	Duster Drop	1	148430-101	
7	Screw Driver 3.4 x 70	1	118837-001		31	Screw 3.1 x 13	4	031311-302	
8	Screw Driver 1.6	1	S01943-000		32	Table Sheet	1	148258-002	
9	Driver Wrench 2	1	146700-001		33	Funnel	1	140759-000	
10	Screw Driver 3	1	149173-001		39	Trimming Knife	1	148259-001	
11	Spanner 6 x 7	1	107779-001		40	Screw 3.18	2	141542-001	
12	Wrench 8 x 9	1	105343-001		43-1	Duster Shoot (L)	1	148341-101	Z-43 Duster Shoot Assembly 183161-101
13	Tweezers	1	117466-000		43-2	Duster Shoot (S)	1	148432-001	
14	Threading Wire	3	142125-000		45	Screw 437 - 40 x 10	4	062681-012	
15	Wrench	1	140342-001		46	Washer 4.37	4	025680-232	
16	Oiler	1	114483-002						

* The details of included accessories are subject to change.

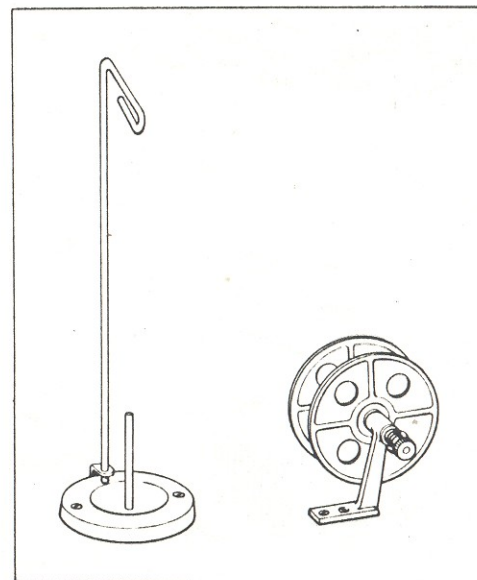
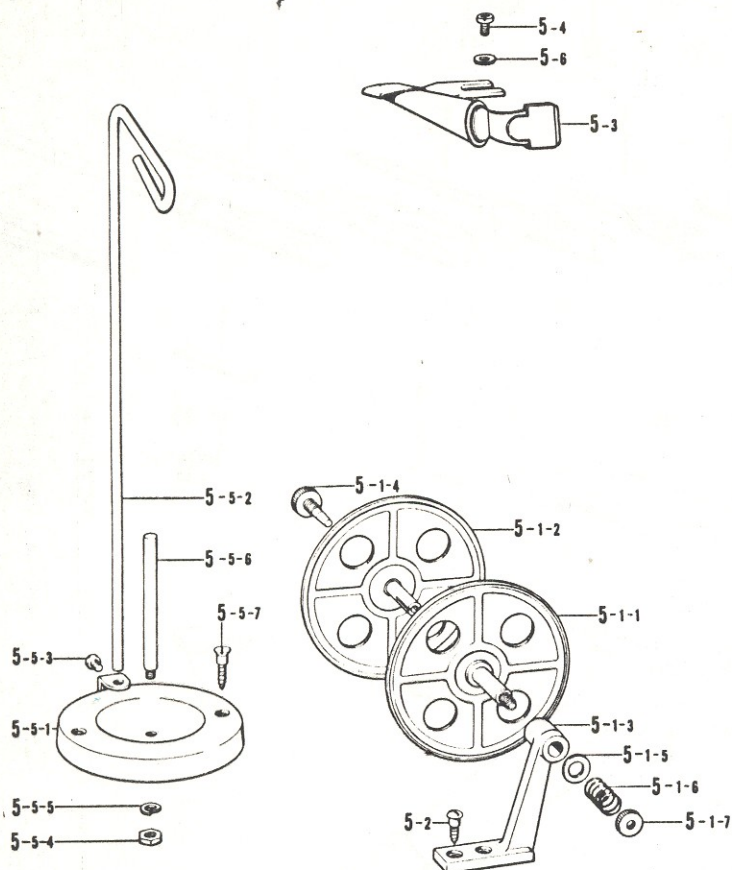
* Änderungen in der Aufstellung der mitgelieferten Zubehöre sind vorbehalten.

* Les détails des accessoires inclus sont sujets à des changements.

* Los detalles de los accesorios incluidos pueden variar.

[NOTE! PREFIX ALL NUMBERS BY 'BR']
EXAMPLE BR146222-001

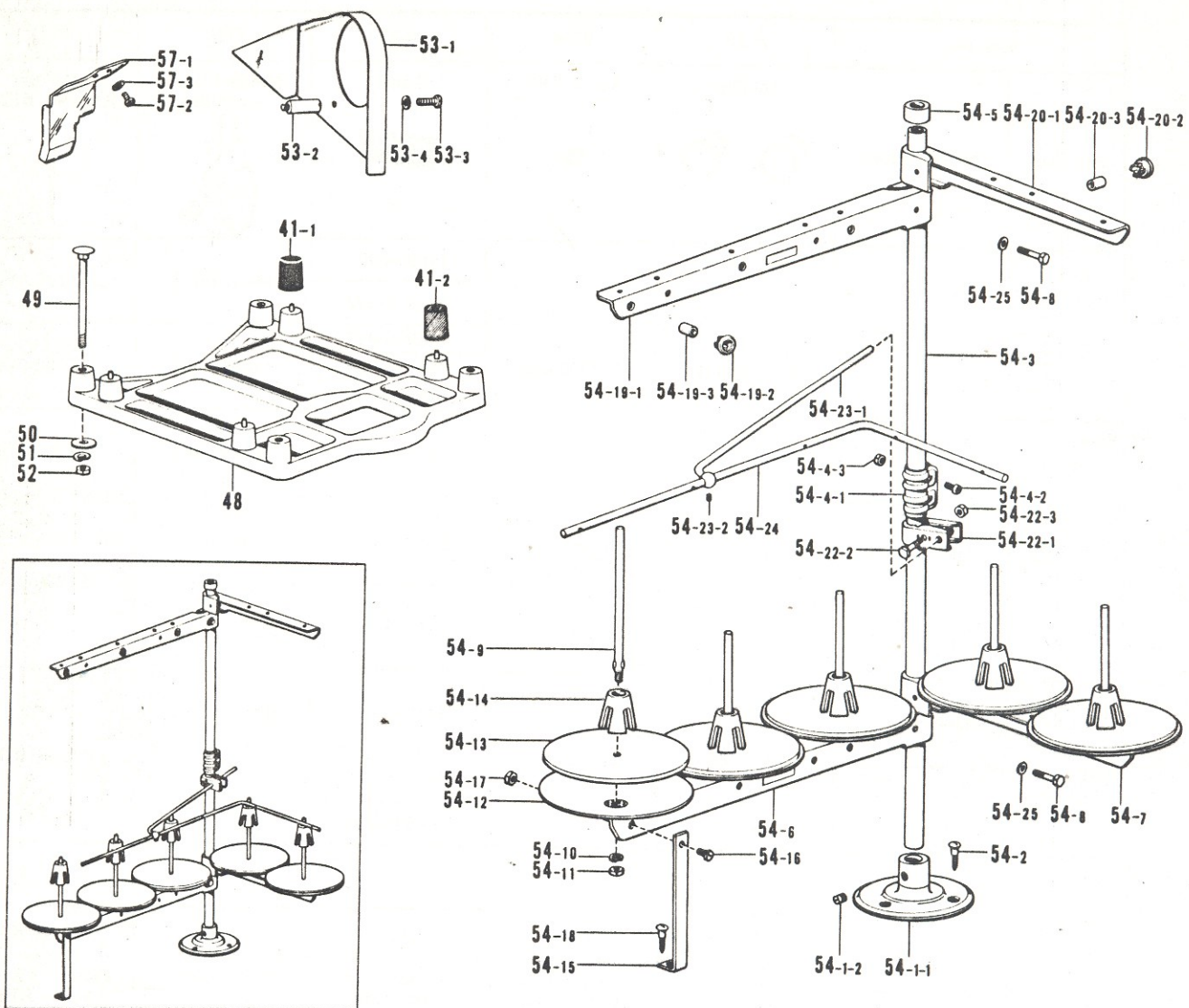
M. Ruffling Attachment (2) / Kräuselvorrichtung (2)
 Accessoire pour fronces (2) / Accesorio de fruncido (2)



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
5-1-1	Tape Winder Wheel (R)	1		M-5-1 Tape Winder Assembly 143767-002	5-4	Screw 437 - 40 x 6	2	062680-612	
5-1-2	Tape Winder Wheel (L)	1			5-5-1	Spool Disc	1	109852-001	
5-1-3	Tape Winder Bracket	1			5-5-2	Thread Guide Stud	1	109853-001	
5-1-4	Screw	1	143980-001		5-5-3	Screw 3.18	1	100080-004	M-5-5 Thread Unwinder Assembly 181031-001
5-1-5	Washer	1	108494-001		5-5-4	Nut 4.76	1	110161-003	
5-1-6	Spring	1	108495-001		5-5-5	Spring Washer 2 - 5	1	028050-242	
5-1-7	Tension Control Nut	1	100136-001		5-5-6	Spool Stud	1	100444-002	
5-2	Screw 4.5 x 20	2	101118-001		5-5-7	Screw 4.5 x 32	2	100447-001	
5-3	Wrapper Assembly	1	147440-000		5-6	Washer	2	110735-002	

[NOTE! PREFIX ALL NUMBERS BY 'BR.']
 [EXAMPLE BR146222-001]

Z. Accessories (2) / Zubehör (2) / Accessoires (2) / Accesorios (2)



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
41-1	Cushion	1	147919-001		54-12	Spool Stand Base	5	150180-000	
41-2	Cushion	3	147919-002		54-13	Spool Mat	5	150182-000	
48	Bottom Board	1	148433-000		54-14	Spool Cushion	5	126863-000	Z-54
49	Screw 8 x 85	4	210973-001		54-15	Spool Holder Supporter (A)	1	150188-001	Thread
50	Washer 8	4	025080-236		54-16	Screw 5 x 10	1	007501-003	Unwinder 5THF
51	Spring Washer 2-8	4	028080-242		54-17	Nut 5	1	021500-103	150162-003
52	Nut 8	4	021080-106		54-18	Screw 4.5 x 22	1	031452-203	
53-1	Belt Cover	1			54-19-1	Spool Holder 2	1	150178-001	Z-54-19
53-2	Belt Cover Stud	2	148042-001	Z-53	54-19-2	Thread Hanger	2		Thread Hanger
53-3	Screw 437 - 40 x 10	2	062681-012	Belt Cover Assembly	54-19-3	Thread Bushing	2	142990-001	Assembly
53-4	Washer	2	100645-003	148348-001	54-20-1	Spool Holder 3	1	150176-001	147055-003
54- 1-1	Cotton Stand Base	1	150189-001	Z-54-1	54-20-2	Thread Hanger	3		Z-54-20
54- 1-2	Screw 6 x 7	3	150181-101	Cotton Stand Base Assembly	54-20-3	Thread Bushing	3	142990-001	Thread Hanger
54- 2	Screw 4.5 x 22	3	031452-203	150139-001	54-22-1	Thread Guide Holder	1	150185-001	Assembly
54- 3	Pipe	2	150172-001		54-22-2	Screw 5 x 28	1	017502-803	147056-003
54- 4-1	Joint	1	150173-001	Z-54-4	54-22-3	Nut 5	1	021500-103	Z-54-22
54- 4-2	Screw 5 x 14	2	150202-001	Joint For Cotton Stand	54-23-1	Thread Guide Stopper Bar	1	142996-001	Thread Guide
54- 4-3	Nut 5	2	021500-103	150162-001	54-23-2	Screw 4.76	1	013719-412	Stopper Bar
54- 5	Cap	1			54-24	Thread Guide 5	1	142999-001	Assembly
54- 6	Spool Holder 2	1	150178-001		54-25	Washer 5	4	025050-233	
54- 7	Spool Holder	1	150176-001		57-1	Eye Guard For Overlock	1	150550-000	Z-57
54- 8	Screw 5 x 28	2	017502-803	Z-54	57-2	Screw 318 - 40 x 5	2	062660-512	Eye Guard
54- 9	Spool Shaft (B)	5	150179-001	Thread Unwinder 5THF	57-3	Washer 3	2	025030-232	Assembly
54-10	Spring Washer 2-5	5	028050-243	150162-003					151017-001
54-11	Nut 5	5	021500-103						

* The details of included accessories are subject to change.

* Änderungen in der Aufstellung der mitgelieferten Zubehöre sind vorbehalten.

* Les détails des accessoires inclus sont sujets à des changements.

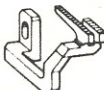
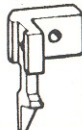
* Los detalles de los accesorios incluidos pueden variar.

[NOTE! PREFIX ALL NUMBERS BY 'BR.']
EXAMPLE BR146222-001

DIFFERENT PARTS LIST / ZK PARTLISTE LISTE DES PIÉCES ACCESSOIRES / LISTA DE PIEZAS ACCESORIAS

Ref. No.		A-72	A-74	A-92	C-20	C-21		
Sub Class	Specifications	Oil Cap 	Screw 5.95 	Label 	Needle Clamp Assembly 	Needle (Cat. No. 6120) 		
061-3	Thin	143196-001	013760-612	146976-001	146487-001	151200-011		
4				146976-002				
063-3	Thin medium			146976-007	146489-001	151200-014		
4				146976-008				
-5				146976-009				
065-5	Thick			146976-013	146491-001	151200-016		
067-4	Ruffling				146976-019	146487-001	151200-014	
077-6	Ruffling (W/Piping)				146976-029			
087-6	Heavy			143196-001	013760-612	146976-051	146491-001	151200-018
092-5	Heavy					146976-089		
-6						146976-090		

Ref. No.	C-34	C-35/C-36	D-19	D-36	D-37	D-39/D-40
Sub-Class	Throat Plate 	Throat Guide (F) Screw 2.38 	Presser Foot Lifter Lever 	Presser Foot Assembly 	Spring Plate 	Trimming Knife Screw 3.18 
061-3	146498-001		148143-001	148155-001		
-4	146499-001					
063-3	146501-001			148150-101		
-4	146502-001					
-5	146503-001					
065-5	146504-001			148153-101		
067-4	S01770-001		M-6-8 149256-001	148158-001		
077-6	S01775-001			148749-001		
087-6	159770-001	159757-001 100105-005	148143-001	148260-101	156448-001	148259-001 141542-001
092-5	159769-001					
-6	159770-001					

Ref. No.	E-38	E-39	E-40	F-8	F-9	F-26
Sub-Class	Main Feed (Back) Dog 	Differential (Front) Feed Dog 	Chain Feed Dog 	Upper Knife 	Screw 3.57 Screw 357-40x10 	Upper Knife Holder 
061-3	146567-001	146572-001	146577-001	148198-001	144075-001	144179-001
-4						
063-3						
-4						
-5						
065-5	146568-001	146573-001	148189-001			
067-4	S01781-001	146575-001				
077-6	S01785-001	146576-001				
087-6	146569-001	146574-001	146577-001	148342-001	062671-016	148345-001
092-5						
-6						

Ref. No.	F-27	F-28	F-29	G-12	G-14	L-4
Sub-Class	Screw 437-40x8 Screw 4.37 	Upper Knife Presser 	Upper Knife Presser Plate 	Over Looper Assembly 	Over Looper 	Thread Tension Control Stud 
061-3	060680-812			148209-001	147934-001	110820-101 (Q'ty 4)
-4						
063-3						
-4						
-5						
065-5	060680-812			148209-001	147934-001	110820-101 (Q'ty 2) M-6-13 159574-001 (Q'ty 2)
067-4						
077-6						
087-6						
092-5	102424-003	148343-001	148344-001	148217-001	159686-001	110820-101 (Q'ty 4)
-6						

Ref. No.	L-8	M-2-1/M-2-2	M-2-3/M-2-4	M-2-5/M-2-6	M-5-1/M-5-2	M-5-3/M-5-4 M-5-6
Sub-Class	Spring 	Ruffling Attachment Assembly Screw 6.35x18 	Ruffler Guide Screw 357-40x6 	Handle Nut 6.35 	Tape Winder Assembly Screw 4.5x20 	Wrapper Assembly Screw 437-40x6 Washer 
061-3	144104-001					
-4						
063-3						
-4						
-5						
065-5						
067-4	148851-001	146587-202 S01304-001	144793-000 060670-616	145809-001 150556-002		
077-6					143767-002 101118-001	147440-000 062680-612 110735-002
087-6	148851-001					
092-5						
-6						

Ref. No.	M-5-5	M-6	Z-1	Z-4	Z-39/Z-40	
Sub-Class	Thread Unwinder Assembly 	Ruffler Interlocking Parts Assembly 	Needle (Cat. No. 6120) 	Upper Knife 	Trimming Knife Screw 3.18 	
061-3			151200-011	148198-001	148259-001 141542-001	
-4						
063-3			151200-014			
-4						
-5						
065-5			151200-016	148198-001	148259-001 141542-001	
067-4		151238-002	151200-014			
077-6	181031-001					
087-6			151200-018			
092-5						
-6						

INDEX / VERZEICHNIS INDEX / INDICE

Parts No.	Ref. No.	Remark	Parts No.	Ref. No.	Remark	Parts No.	Ref. No.	Remark	Parts No.	Ref. No.	Remark
S01226-001	G- 1- 2		048025-342	D-36-2- 8		062680-812	M- 6- 3		110813-001	L-13	
S01227-001	H- 1- 2			D-36-3- 8		062681-012	B-15			L-40	
S01248-001	H-15		060630-412	L-55			Z-45		110820-101	L- 4	
S01295-001	D-36-1-8		060670-512	M- 2-1-28			Z-53-3			M- 2-1- 7	
S01304-001	M- 2-2		060670-616	M- 2-4		062681-412	A- 4		110832-001	L- 5	
S01371-001	D-36-6- 6		060680-812	A-34			L- 2			L-42	
S01372-001	D-36-6- 4			E- 9		062681-612	D-23		111486-001	C-26	
S01373-001	D-36-6- 3			E-12		062761-012	M- 6-10		112299-001	L-65	
S01374-001	D-36-6- 7			F-12		072600-000	B- 4		112300-001	L-63	
S01375-001	D-36-6- 2			F-27-1		072600-100	B- 8		112301-001	L-64	
S01614-001	M- 2-1-32		062630-612	J- 5			B-16			M- 6- 2-5	
S01770-001	C-34- 7		062630-812	E-37		081002-670	D- 7		112436-001	F-15	
S01775-001	C-34- 8		062660-412	C- 9-6		100022-005	D-18			Z- 5	
S01781-001	E-38-3			C-31		100032-003	A-32		112754-001	K- 1	
S01785-001	E-38-4			D-30			A-43		113589-001	A- 6	
S01943-000	Z- 8			L-22			C-27		114255-002	C-18	
007501-003	Z-54-16		062660-512	Z-57-2		100080-004	M- 5-5-3		114483-002	Z-16	
013679-412	M- 2-1-30		062660-612	D-36-6-10		100105-005	C-36		116231-001	E-22	
013719-412	G-12-1- 5		062660-712	D-36-4- 5			L-36			E-26	
	G-12-2- 5			D-36-5- 5		100136-001	M- 5-1-7		117160-001	A-38	
	Z-54-23-2			M- 2-1-14		100260-001	F- 5		117466-000	Z-13	
013760-612	A-74		062670-412	A-33-8			G-11		117515-001	F-16	
	H-12-2			A-40		100366-001	C- 1- 5			E-36	
013761-410	B-19			A-52			C- 1- 9			F-17	
014680-422	A-54			L-51			C- 7		117591-001	K-12	
	G-12-1- 9		062670-512	D-14-4			E- 1-4		117608-001	A-50	
	G-12-2- 9			G- 3		100444-002	M- 5-5-6		118768-001	K- 4	
	G-14-1-2			H- 3		100447-001	M- 5-5-7		118837-001	Z- 7	
	G-14-2-2			K-14		100645-003	E- 8		122771-002	D-36-2-13	
	H-16			K-16			E-11			D-36-3-13	
	H-17			K-18			Z-53-4		122991-002	Z-23	
	J-24			L-24		101118-001	M- 5-2		126863-000	Z-54-14	
	L-48		062670-612	A-15		101572-101	Z- 6		129984-002	A-16	
014770-622	E-15			A-23		101706-001	A-45-2		140041-001	A-25	
017502-803	Z-54- 8			A-26			E-18-2		140065-001	A-58	
	Z-54-22-2			A-28			J-12-2		140066-001	A-55	
017761-412	E- 2			A-31			M- 2-1- 4			A-57	
	E-20			A-36			M- 2-1-19-2		140077-001	A-66	
	E-24			A-47		102424-003	F-27-2		140084-000	B-11	
	J-14			A-68		102538-002	B- 6		140085-004	B-18	
017761-612	C- 1-11			F-20		102627-001	F-14		140092-001	C- 6	
	C- 4			L-27		102843-004	A-24		140180-001	B-20	
017771-412	J- 8-2			L-29			G- 5		140208-001	E-34	
017771-612	A-63			L-34			H- 5		140248-001	F-22	
	F-11			L-39		104908-001	D- 6		140270-001	D-36-3- 2	
	G-16			L-59						D-36-4- 3	
018061-622	C-24			L-61		105163-001	M- 2-1- 6			D-36-5- 3	
021080-106	Z-52			M- 6- 7		105234-003	M- 2-1-23			D-36-5- 9	
021500-103	Z-54- 4-3		062670-812	B- 5		105248-003	L-23		140272-001	D-36-4- 9	
	Z-54-11			C- 9-7		105288-001	D-36-2- 5			D-36-5- 9	
	Z-54-17			C-29			D-36-3- 5		140273-001	D-36-4-10	
	Z-54-22-3			L-16			D-36-4- 7			D-36-5-10	
021670-202	A-49			L-18		105343-001	Z-12		140275-001	D-36-4-12	
021680-202	D-24			L-32		107244-001	B-13			D-36-5-12	
025030-232	D-36-6- 9		062671-016	F- 9-2		107351-001	C-25		140313-001	J-10	
	Z-57-3		062671-412	A-48		107779-001	Z-11		140327-001	J-25	
025050-233	Z-54-25		062680-612	M- 2-1-26		108494-001	M- 5-1-5		140342-001	Z-15	
025060-132	J-28			M- 5-4		108495-001	M- 5-1-6		140759-000	Z-33	
025060-232	J-27		062680-712	A-17		108809-001	K- 9		140774-000	K- 7	
025080-236	Z-50			A-70		109203-001	A-65		140992-001	D-36-4-13	
025680-232	Z-46			C-33		109852-001	M- 5-5-1			D-36-5-13	
025770-232	M- 2-1- 8			D- 9		109853-001	M- 5-5-2		140993-001	D-36-4-11	
028050-242	L-56			E-17		110161-003	M- 5-5-4			D-36-5-11	
	M- 5-5-5			F-23		110161-006	M- 6-12		141183-000	A-44	
028050-243	Z-54-10			G-13		110230-001	M- 2-1-22		141514-001	M- 6- 2-2	
028080-242	Z-51			K- 3		110641-002	A-64			M- 6- 5	
031311-302	Z-31			K-21		110670-000	B-14		141528-002	D-20	
031452-203	Z-54- 2			K-23		110672-000	B-17		141542-001	D-40	
	Z-54-18		062680-716	A- 9		110673-000	B-12			Z-40	
047140-842	A-33-5		062680-812	M- 2-1-18		110735-002	M- 5-6		142125-000	Z-14	
									142243-000	D-36-1-3	

Parts No.	Ref. No.	Remark	Parts No.	Ref. No.	Remark	Parts No.	Ref. No.	Remark	Parts No.	Ref. No.	Remark
142244-001	D-36-1-4		146489-001	C-20- 2		147055-003	Z-54-19		148150-101	D-36- 2	
142245-001	D-36-1-5		146491-001	C-20- 3		147056-003	Z-54-20		148153-101	D-36- 3	
142246-001	D-36-1-6		146498-001	C-34- 1		147148-001	L-41		148155-001	D-36- 1	
142247-001	D-36-1-7		146499-001	C-34- 2		147149-001	L-44		148158-001	D-36- 4	
142262-001	Z-22		146501-001	C-34- 3		147344-001	L-62		148163-001	E- 1	
142669-002	L-35		146502-001	C-34- 4		147440-000	M- 5-3		148166-001	E- 1-3	
142674-000	K- 6		146503-001	C-34- 5		147489-001	D-36-5- 8		148167-001	E- 3	
142971-001	Z-54-23		146504-001	C-34- 6		147691-000	K- 5		148168-000	E- 4	
142990-001	Z-54-19-3		146547-000	E-13		147919-001	Z-41-1		148169-000	E- 5	
	Z-54-20-3		146549-001	E-16		147919-002	Z-41-2		148173-000	E- 6-3	
142996-001	Z-54-23-1		146567-001	E-38-1		147933-001	M- 2-1-16		148174-000	E- 7	
142999-001	Z-54-24		146568-001	E-38-2		147934-001	G-14- 1		148175-000	E-10	
143196-001	A-72		146569-001	E-38-5		147943-001	A-94		148176-001	E-14	
143312-000	B- 3		146572-001	E-39-1		148020-001	D-36-6- 8		148177-001	E-19	
143374-001	A-42		146573-001	E-39-2		148042-001	Z-53-2		148178-001	E-21	
143444-001	K-11		146574-001	E-39-5		148065-001	A- 2		148179-001	E-23	
143757-001	L-14		146575-001	E-39-3		148066-000	A- 3		148180-001	E-25	
143767-002	M- 5- 1		146576-001	E-39-4		148067-001	A- 7		148181-001	E-27	
143980-001	M- 5-1-4		146577-001	E-40-1		148068-000	A- 8		148182-001	E-28	
144031-000	G- 9		146580-001	F-24		148069-001	A-10		148183-001	E-29	
144075-001	F- 9-1		146581-001	F- 4		148070-001	A-11		148184-000	E-32	
144103-003	L- 7			G-10		148071-000	A-12		148185-001	E-33	
144104-001	L- 8-1		146582-001	F-10		148072-001	A-14		148186-001	E-35	
144105-000	L-10		146583-001	F-13		148073-001	A-18		148189-001	E-40-2	
	L-45		146584-001	F-18		148074-001	A-21		148196-000	F- 6	
	M- 2-1-10		146585-001	F-19		148075-000	A-22		148197-000	F- 7	
144108-001	L-21		146586-000	F-21		148076-001	A-27		148198-001	F- 8-1	
144110-001	L- 9		146587-202	M- 2- 1		148077-001	A-29			Z- 4	
144127-001	C-28		146588-001	M- 2-1- 1		148078-001	A-30		148200-001	G- 1	
144179-001	F-26-1		146589-001	M- 2-1- 3		148082-001	A-41		148204-001	G- 2	
144458-001	H- 7		146590-001	M- 2-1- 5		148083-001	A-51		148205-001	G- 4	
144764-001	M- 2-1-27		146592-001	M- 2-1-29		148084-001	A-53		148206-001	G- 6	
144777-001	D-36-4- 4		146617-001	H-13		148085-001	A-59		148207-000	G- 7	
	D-36-5- 4		146634-001	J-21		148086-000	A-60		148208-001	G- 8	
144778-001	D-36-4- 6		146635-001	J-23		148087-002	A-61		148209-001	G-12- 1	
	D-36-5- 6		146644-000	K-19		148088-000	A-62		148212-001	G-12-1- 3	
144783-001	M- 2-1-12		146649-001	L- 3		148089-001	A-67			G-12-2- 3	
144784-001	M- 2-1-13		146652-001	L-30		148090-001	A-69		148213-101	G-12-1- 4	
144788-001	M- 2-1- 9		146653-001	L-31		148103-001	A-35			G-12-2- 4	
144793-000	M- 2-3		146654-001	L-33		148104-001	A-73		148217-001	G-12- 2	
145147-001	D-36-2- 4		146663-001	L-53		148111-000	B- 9		148224-001	H- 2	
	D-36-3- 4		146700-001	Z- 9		148112-000	B-10		148225-001	H- 4	
145277-105	Z-17		146865-001	D-36-2- 2		148113-001	B- 1		148226-001	H- 8	
145446-001	L- 6		146869-001	D-36-2-10		148117-001	C- 1- 4		148227-000	H- 9	
	L-43			D-36-3-10			C- 1- 8		148228-000	H-10	
145803-001	M- 2-1- 2		146870-001	D-36-2-12		148118-001	C- 1- 6		148230-001	H- 1	
145807-001	M- 2-1-17			D-36-3-12		148120-000	C- 5		148232-001	H- 6	
145808-001	M- 2-1-25		146880-001	D-36-4- 8		148121-000	C- 8		148234-000	J- 3	
145809-001	M- 2-5		146901-001	D-36-2-11		148122-001	C- 9-2		148235-001	J- 4	
145810-001	M- 2-1-20			D-36-3-11		148123-001	C-17		148236-001	J- 6	
145811-001	M- 2-1-24		146924-000	A-37-2		148124-002	C-23		148237-000	J- 7	
146247-001	J-16		146926-001	L-60		148125-001	C-30		148239-001	J-11	
146315-000	A-56		146926-002	L-26		148126-001	C-32		148240-001	J-13	
146421-000	A- 5		146929-001	L-28		148128-001	D- 1		148241-001	J-15	
146426-000	A-19		146930-001	L-58		148129-001	D- 2		148242-001	J-17	
146427-001	A-13		146976-001	A-92		148130-001	D- 3		148243-001	J-18	
	A-20		146976-002	A-92		148131-001	D- 4		148244-000	J-19	
	C- 9-5		146976-007	A-92		148133-001	D- 4-2		148245-000	J-20	
	C-20-1-2		146976-008	A-92		148134-001	D- 5		148247-001	K- 2	
	C-20-2-2		146976-009	A-92		148135-001	D- 8		148248-000	K- 8	
	C-20-3-2		146976-013	A-92		148136-001	D-10		148249-000	K-10	
	D-28		146976-019	A-92		148137-001	D-11		148250-001	K-13	
146440-001	A-33-2		146976-029	A-92		148138-001	D-12		148251-001	K-15	
146441-000	A-33-3		146976-051	A-92		148139-001	D-13		148252-001	K-17	
146442-001	A-33-4		146976-089	A-92		148143-001	D-19		148253-001	L- 1	
146444-001	A-37		146976-090	A-92		148144-001	D-21		148254-001	L-25	
146446-001	A-39		147049-001	L-11-1-2		148145-001	D-22		148255-001	L-17	
146483-001	C-16		147049-002	L-11-2-2		148146-001	D-25		148256-001	L-37	
146486-000	C-19		147049-003	L-11-3-2		148147-001	D-26		148258-002	Z-32	
146487-001	C-20- 1		147049-004	L-11-4-2		148148-001	D-29		148259-001	D-39	

Parts No.	Ref. No.	Remark	Parts No.	Ref. No.	Remark	Parts No.	Ref. No.	Remark	Parts No.	Ref. No.	Remark
148259-001	Z-39		150173-001	Z-54- 4-1							
148260-101	D-36- 6		150176-001	Z-54- 7							
148262-001	E- 6			Z-54-20-1							
148269-001	C- 9		150178-001	Z-54- 6							
148270-001	C- 9-3			Z-54-19-1							
148271-001	C- 9-4		150179-001	Z-54- 9							
148281-001	F-25		150180-000	Z-54-12							
148304-001	A-46		150181-101	Z-54- 1-2							
148315-001	K-20		150182-000	Z-54-13							
148341-101	Z-43-1		150185-001	Z-54-22-1							
148342-001	F- 8-2		150188-001	Z-54-15							
148343-001	F-28		150189-001	Z-54- 1-1							
148344-001	F-29		150202-001	Z-54- 4-2							
148345-001	F-26-2		150382-001	G- 1-2-2							
148346-001	D-14		150550-000	Z-57-1							
148348-001	Z-53		150553-002	M- 2-1-21							
148373-000	B- 7		150556-002	M- 2-6							
148387-001	M- 6- 1		150806-001	B- 2							
148388-001	M- 6- 2-1		150807-101	L-47							
148389-001	M- 6- 2-3		150808-001	L-49							
148390-001	M- 6- 2-4		150810-001	L-50							
148395-001	M- 6- 2		150811-001	L-54							
148403-001	E-41		150812-001	L-57							
148404-001	E-42		150813-001	L-52							
148425-001	G- 1-2-3		151012-001	L-46							
	H- 1-2-2		151017-001	Z-57							
148430-101	Z-30		151200-011	C-21							
148432-001	Z-43-2			Z- 1							
148433-000	Z-48		151200-014	C-21							
148749-001	D-36- 5			Z- 1							
148782-001	H-18		151200-016	C-21							
	J-26			Z- 1							
148783-001	G-12-1- 6		151200-018	C-21							
	G-12-2- 6			Z- 1							
148813-001	D-14-3		151201-001	L-11- 1							
148838-001	E-30		151201-002	L-11- 2							
148847-001	E-31		151201-003	L-11- 3							
148851-001	L- 8-2		151201-004	L-11- 4							
148857-001	C- 1- 2		151238-002	M- 6							
	G- 1-1-2		151614-001	M- 6- 9							
	H- 1-1-2		151617-001	L-38							
	J- 1-2		152194-001	A-33-7							
148858-001	C- 1		153483-001	M- 6-11							
148859-000	A-75		154288-001	K-22							
148984-001	A-33-6		154795-001	M- 2-1-31							
148987-001	A-33		156448-001	D-37							
149171-001	H-14		158438-001	D-27							
	J-22		159476-000	A-77							
149172-001	G-12-1- 2		159574-001	M- 6-13							
	G-12-2- 2		159686-001	G-14- 2							
149173-001	Z-10		159757-001	C-35							
149253-001	M- 6- 4		159769-001	C-34- 9							
149255-001	M- 6- 6		159770-001	C-34-10							
149256-001	M- 6- 8		180323-001	H-12							
149260-001	D-36-2- 6		181031-001	M- 5- 5							
149261-001	D-36-2- 7		181628-001	G- 1- 1							
149262-001	D-36-2- 9		181629-001	H- 1- 1							
	D-36-3- 9		181657-001	J- 1							
149265-001	D-36-3- 6		181668-001	J- 8							
149266-001	D-36-3- 7		181969-003	A-45							
149566-001	M- 2-1-11		181995-001	E-18							
149566-002	L-11-1-1			J-12							
	L-11-2-1		181995-002	M- 2- 1-19							
	L-11-3-1		183161-101	Z-43							
	L-11-4-1		210973-001	Z-49							
150139-001	Z-54- 1										
150145-001	Z-54-22										
150162-001	Z-54- 4										
150162-003	Z-54										
150172-001	Z-54- 3										

SINGER