brother

HIGH SPEED TWIN-NEEDLE OVERLOCK SEWING MACHINE WITH UPPER AND LOWER ADJUSTABLE FEED

DOPPELNADEL-OVERLOCK-SCHNELLNÄHMASCHINE MIT OBER UND UNTERTEIL EINSTELLBAREM TRANSPORTEUR

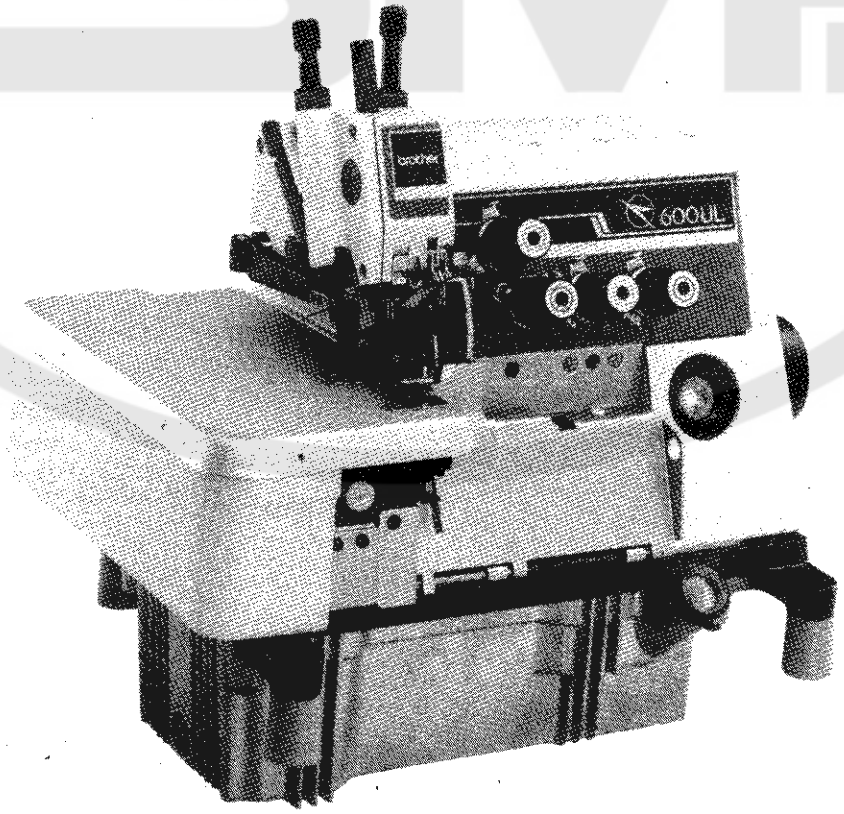
MACHINE A COUDRE A POINTS DE SURJET DEUX AIGUILLES, A GRANDE VITESSE AVEC ENTRAINEMENT REGLABLE SUPERIEUR ET INFERIEUR

MAQUINA DE COSER SOBREORILLADORA RAPIDA CON AGUJA DOBLE Y ALIMENTACION AJUSTABLE SUPERIOR E INFERIOR

EF4-B681
B682

PARTS BOOK
TEILEKATALOG
LIVRE DES PIECES
LIBRO DE REFERENCIA DE PIEZAS

P681102



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 [000000-000] is in the "Parts No." column or the "Assembly No." column, please refer to the different parts list (page 26).
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 number.
4. If the ※ symbol is found before the Parts No., order this parts together with its paired parts.
5. This book was prepared based on information available in June 1983.
6. 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 des Zeichen [ ] der [000000-000] steht, schlagen Sie bitte bei der gesonderte Stückliste (Seite 26) 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. Bei diesem Zeichen ※ vor der Teilnummer bestellen Sie bitte diesen Teil Paarweise, zusammen mit seinem Gegenstück.
5. Dieses Buch basiert auf den Informationen vom Juni 1983.
6. 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 [000000-000] est présent dans la colonne "No. de pièce" ou dans la colonne "No. de ensemble", se référer à la liste de pièces annexe (page 26).
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. Si, devant le n° de pièce, il y a le symbole ※, veuillez commander cette pièce avec sa pièce appariée.
5. Ce manuel a été fait d'après les renseignements valables au mois de Juin 1983.
6. 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 un símbolo [ ] o el [000000-000] en la columna del "Número de Pieza" o en la del "Número de Juego", habrá que ver la lista de piezas separada (página 26).
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. Si antes del número de una pieza, se encuentra el símbolo ※, habrá que ordenar dicha pieza junto con la otra con la que va la misma.
5. Este libro ha sido compilado basándose en los datos de que se disponía en Junio de 1983.
6. Las piezas quedan sujetas a cambios de diseño sin aviso previo.

CONTENTS

A. Machine body (1) 1
A. Machine body (2) 2
A. Machine body (3) 3
B. Crank shaft mechanism 4
C. Needle bar mechanism (1) 5
C. Needle bar mechanism (2) 6
D. Needle cooler 7
E. Presser foot mechanism (1) 8
E. Presser foot mechanism (2) 9
F. Feed mechanism (1) 10
F. Feed mechanism (2) 11
F. Feed mechanism (3) 12
G. Upper feed mechanism (1) 13
G. Upper feed mechanism (2) 14
H. Knife mechanism 15
J. Over looper mechanism 16
K. Under looper mechanism 17
L. Lubrication (1) 18
L. Lubrication (2) 19
M. Thread tension 20
N. Shirring Attachment (1) 21
N. Shirring Attachment (2) 22
N. Shirring Attachment (3) 23
Z. Accessories (1) 24
Z. Accessories (2) 25
DIFFERENT PARTS LIST 26
INDEX 31

INHALTSVERZEICHNIS

A. Maschinengehäuse (1) 1
A. Maschinengehäuse (2) 2
A. Maschinengehäuse (3) 3
B. Kurbelwelle 4
C. Nadelstangenvorrichtung (1) 5
C. Nadelstangenvorrichtung (2) 6
D. Nadelkühlungsvorrichtung 7
E. Stoffdrückerfuß (1) 8
E. Stoffdrückerfuß (2) 9
F. Transportvorrichtung (1) 10
F. Transportvorrichtung (2) 11
F. Transportvorrichtung (3) 12
G. Obertransportvorrichtung (1) 13
G. Obertransportvorrichtung (2) 14
H. Messer 15
J. Oberen Greifer 16
K. Unterer Greifer 17
L. Schmierung (1) 18
L. Schmierung (2) 19
M. Fadenspannung 20
N. Kräuselvorrichtung (1) 21
N. Kräuselvorrichtung (2) 22
N. Kräuselvorrichtung (3) 23
Z. Zubehör (1) 24
Z. Zubehör (2) 25
ZUBEHÖRLISTE 26
VERZEICHNIS 31

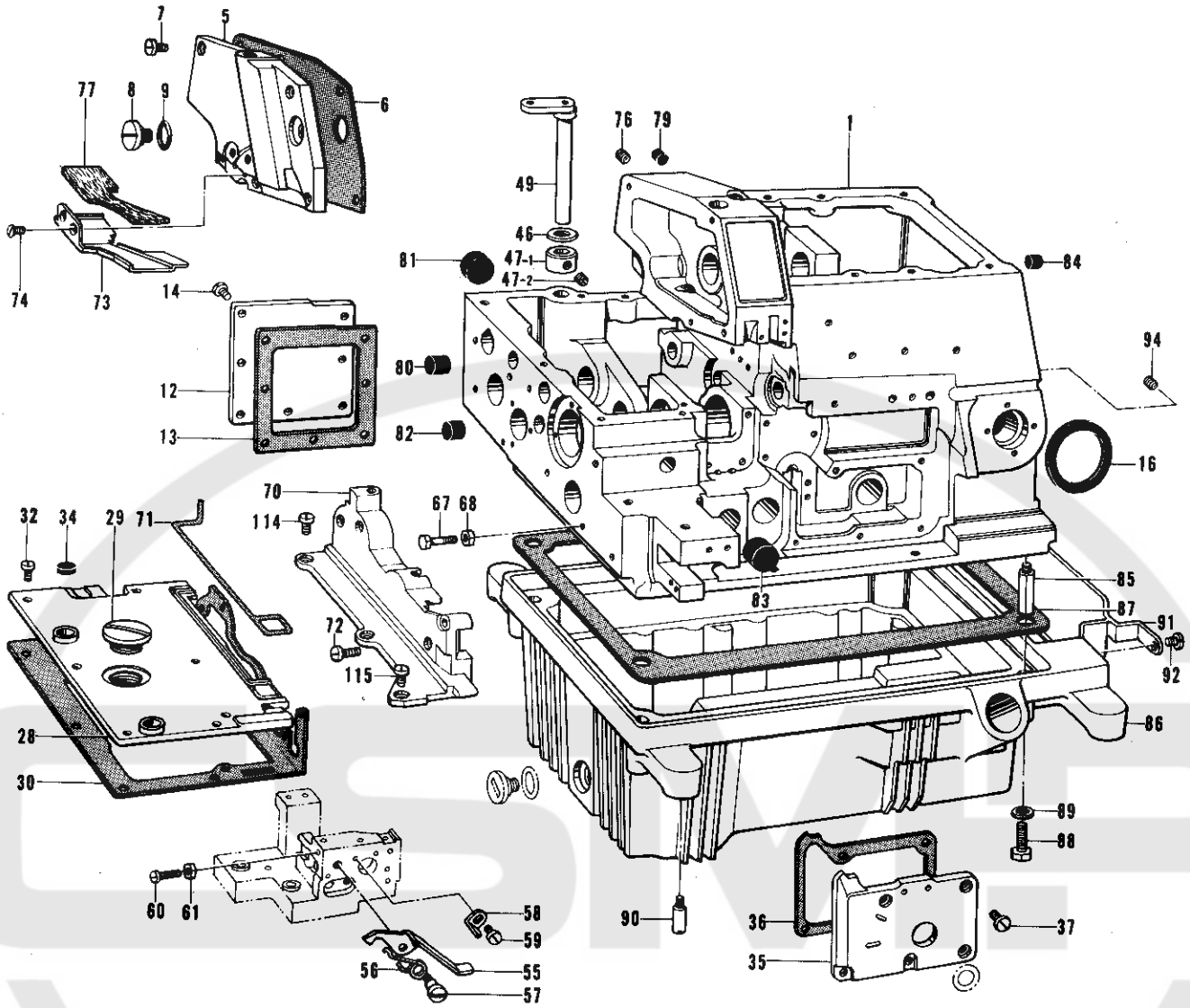
TABLE DES MATIERES

A. Corps de la machine (1) 1
A. Corps de la machine (2) 2
A. Corps de la machine (3) 3
B. Mécanisme du vilebrequin 4
C. Mécanisme de la barre à aiguille (1) 5
C. Mécanisme de la barre à aiguille (2) 6
D. Mécanisme du refroidisseur d'aiguille 7
E. Mécanisme du pied presseur (1) 8
E. Mécanisme du pied presseur (2) 9
F. Mécanisme de l'entrainement (1) 10
F. Mécanisme de l'entrainement (2) 11
F. Mécanisme de l'entrainement (3) 12
G. Mécanisme de l'entrainement supérieur (1) 13
G. Mécanisme de l'entrainement supérieur (2) 14
H. Mécanisme du couteau 15
J. Mécanisme du boucleur supérieur 16
K. Mécanisme du boucleur inférieur 17
L. Lubrification (1) 18
L. Lubrification (2) 19
M. Tension du fil 20
N. Accessoire pour fronces (1) 21
N. Accessoire pour fronces (2) 22
N. Accessoire pour fronces (3) 23
Z. Accessoires (1) 24
Z. Accessoires (2) 25
LISTE DES PIECES ACCESSOIRES 26
INDEX 31

INDICE

A. Cuerpo de la máquina (1) 1
A. Cuerpo de la máquina (2) 2
A. Cuerpo de la máquina (3) 3
B. Mecanismo del cigüeñal 4
C. Mecanismo del barra de aguja (1) .. 5
C. Mecanismo del barra de aguja (2) .. 6
D. Mecanismo del enfriador de aguja 7
E. Mecanismo del prensa telas (1) 8
E. Mecanismo del prensa telas (2) 9
F. Mecanismo de la alimentación (1) .. 10
F. Mecanismo de la alimentación (2) .. 11
F. Mecanismo de la alimentación (3) .. 12
G. Mecanismo de la alimentación superior (1) 13
G. Mecanismo de la alimentación superior (2) 14
H. Mecanismo del cuchilla 15
J. Mecanismo del presilladora superior 16
K. Mecanismo del presilladora inferior 17
L. Lubricación (1) 18
L. Lubricación (2) 19
M. Tension del hilo 20
N. Accesorio de tundido (1) 21
N. Accesorio de tundido (2) 22
N. Accesorio de tundido (3) 23
Z. Accesorios (1) 24
Z. Accesorios (2) 25
LISTA DE PIEZAS ACCESORIAS 26
INDICE 31

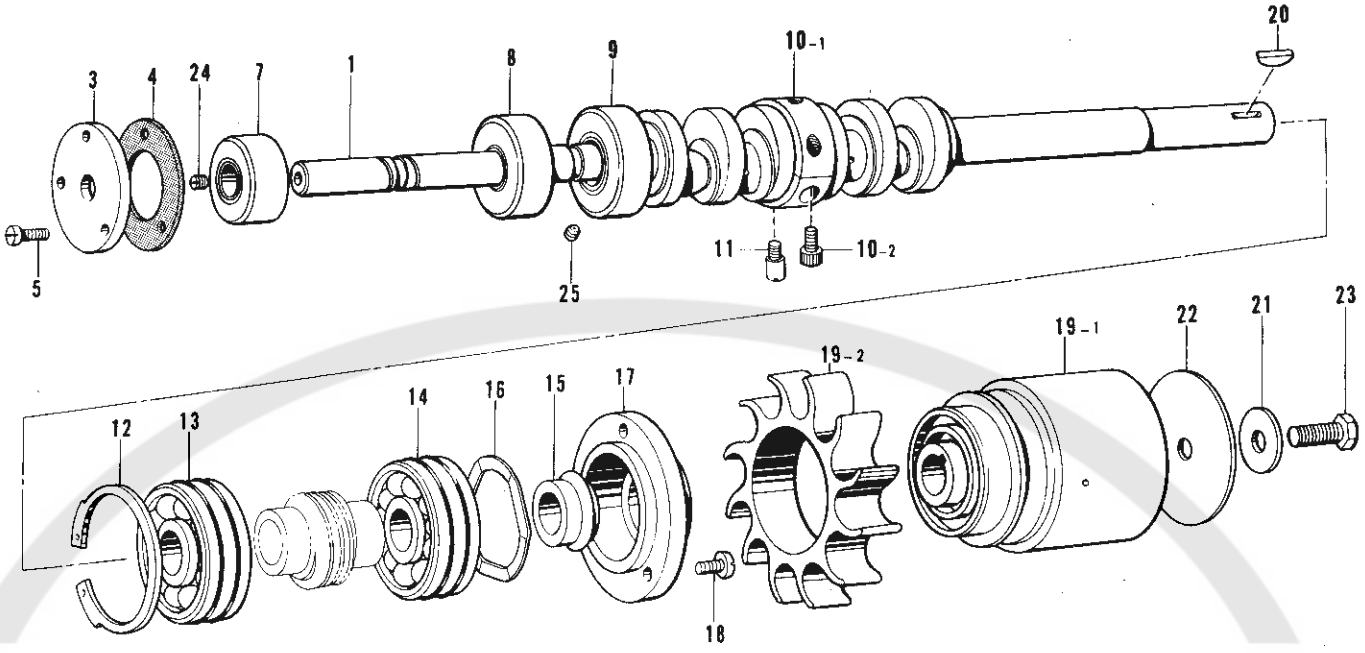
A. Machine body (1) / Maschinengehäuse (1)
Corps de la machine (1) / Cuerpo de la máquina (1)

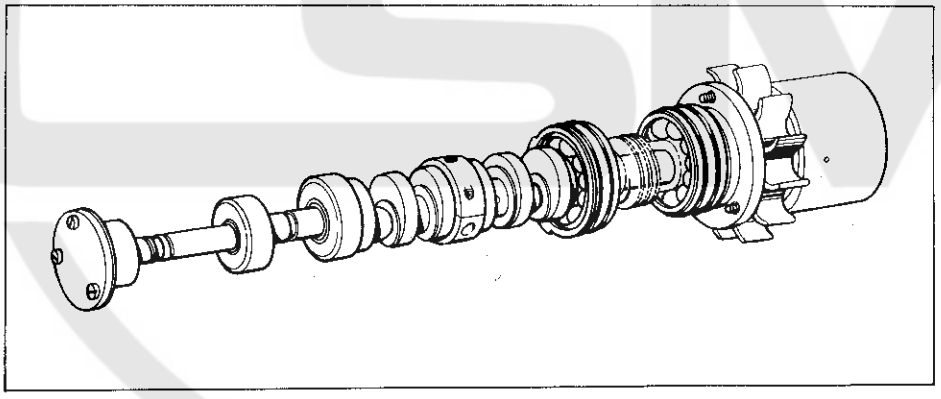


Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
1	Machine body	1		
5	Cover for Needle Driving Mechanism	1	S00092-001	
6	Packing	1	S00007-000	
7	Screw 4.37 x 7	6	009680-712	
8	Screw 9.52	1	S00008-001	
9	"O" Ring	1	109203-001	
12	Cover for Feed Mechanism	1	S00093-001	
13	Packing	1	S00094-000	
14	Screw 4.37	7	107407-003	
16	Rubber	1	S00010-000	
28	Cover for Feed Mechanism	1	S00099-100	
29	Oil Cap	1	S00016-001	
30	Packing	1	S00334-000	
32	Screw 4.37 x 7	4	009680-712	
34	Oil Cap	2	143766-001	
35	Inside Cover	1	154819-000	
36	Packing	1	154820-000	
37	Screw 3.57 x 8	5	009670-812	
46	Washer	1	141183-000	
47-1	Set Collar	1		A-47 Set Collar with Screw 181969-003
47-2	Screw 6.35	2	101706-001	
49	Cloth Plate Supporter	1	S00017-001	
55	Cloth Plate Lever	1	154833-001	
56	Spring	1	146452-001	
57	Screw 3.57	1	146453-001	
58	Cloth Plate Lever Stopper	1	146454-001	
59	Screw 3.57 x 6	1	009670-612	

Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
60	Screw 3.57 x 14	1	009671-412	
61	Nut 3.57	1	021670-202	
67	Bolt 4.37	2	154835-001	
68	Nut 4.37	2	105234-003	
70	Upper Feed Cover	1	S00105-101	
71	Packing	1	S00333-000	
72	Screw 3.57 x 18	4	009671-812	
73	Cloth Guide (S)	1	S00108-001	
74	Screw 3.57	2	108960-002	
76	Screw 5.95	2	013760-612	
77	Felt	1	S00146-000	
79	Oil Cap	1	142274-001	
80	Oil Cap	1	146315-000	
81	Oil Cap	1	140066-001	
82	Oil Cap	1	140361-001	
83	Oil Cap	1	154841-001	
84	Oil Cap	1	146315-000	
85	Machine Body Leg	4	148085-001	
86	Oil Reservoir	1	S00019-001	
87	Packing	1	S00021-000	
88	Bolt 6.35 x 16	4	017771-612	
89	Washer	4	159476-000	
90	Set Pin for Cushion	4	140077-001	
91	Wind Guide Plate	1	S00022-001	
92	Screw 4.37 x 6	2	009680-612	
94	Screw 6.35	2	014780-622	
114	Screw 4.37 x 10	2	007681-012	
115	Screw 3.57 x 10	1	009671-012	

B. Crank shaft mechanism / Kurbelwelle
Mécanisme du vilebrequin / Mecanismo del cigüeñal





Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
1	Crank Shaft	1	※	
3	Bearing Cap	1	154868-001	
4	Packing	1	154869-000	
5	Screw 3.57 x 8	3	009670-812	
7	Bearing 6001Z	1	S00285-000	
8	Crank Shaft Bushing (L) Assembly	1	S00287-000	
9	Crank Shaft Bushing (M) Assembly	1	S00290-000	
10-1	Crank Shaft Bushing	1		B-10 Crank Shaft Bushing Assembly S00297-001
10-2	Screw 4.37 x 14	2	148425-001	
11	Screw 4.37	1	154875-001	
12	Stop Ring	1	154876-001	
13	Bearing 6302	1	154877-001	

Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
14	Bearing 6302Z	1	154878-001	
15	Oil Rejector	1	154879-000	
16	Spring	1	154880-001	
17	Bearing Presser	1	154881-000	
18	Screw 4.37 x 10	3	009681-012	
19-1	Pulley	1		B-19 Pulley Assembly S00034-001
19-2	Fan	1		
20	Key	1	154885-001	
21	Washer	1	154886-001	
22	Pulley Cover	1	154887-001	
23	Bolt 6.35 x 14	1	017771-412	
24	Screw 4.76	2	013719-412	
25	Screw 3.57	1	148294-001	

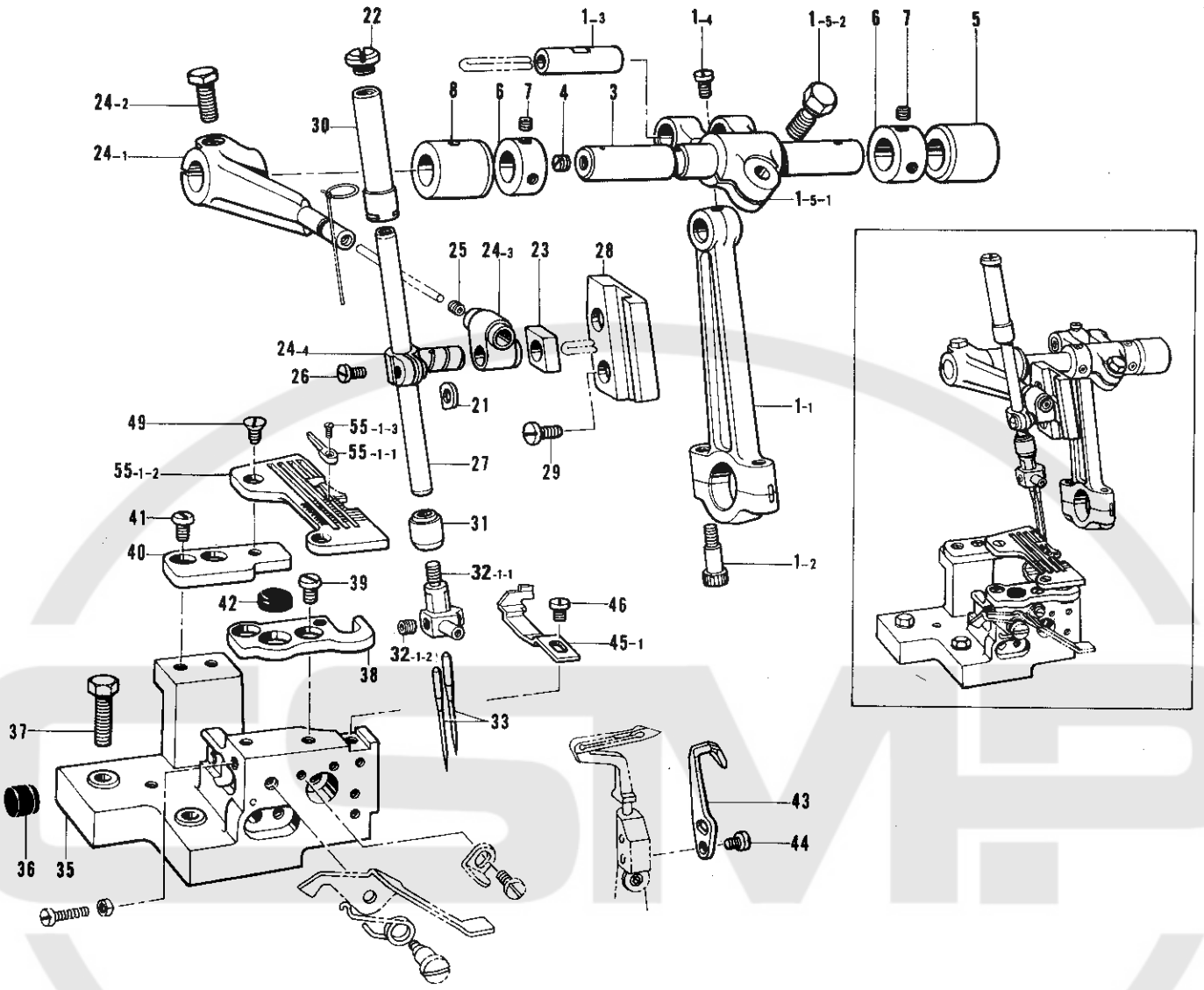
※ Please Crank Shaft Assembly (B-1, C-1, H-1, J-1, K-1) is refer to the different parts list (page 26).

※ Für die Kurbelwelle (B-1, C-1, H-1, J-1, K-1) wird auf die Zubehörlist auf Seite 26 verwiesen.

※ Sur le montage (B-1, C-1, H-1, J-1, K-1), voyez la liste des pièces accessoires (page 26).

※ Para el conjunto del cigüeñal (B-1, C-1, H-1, J-1, K-1) consultar la lista de piezas accesorias (página 26)

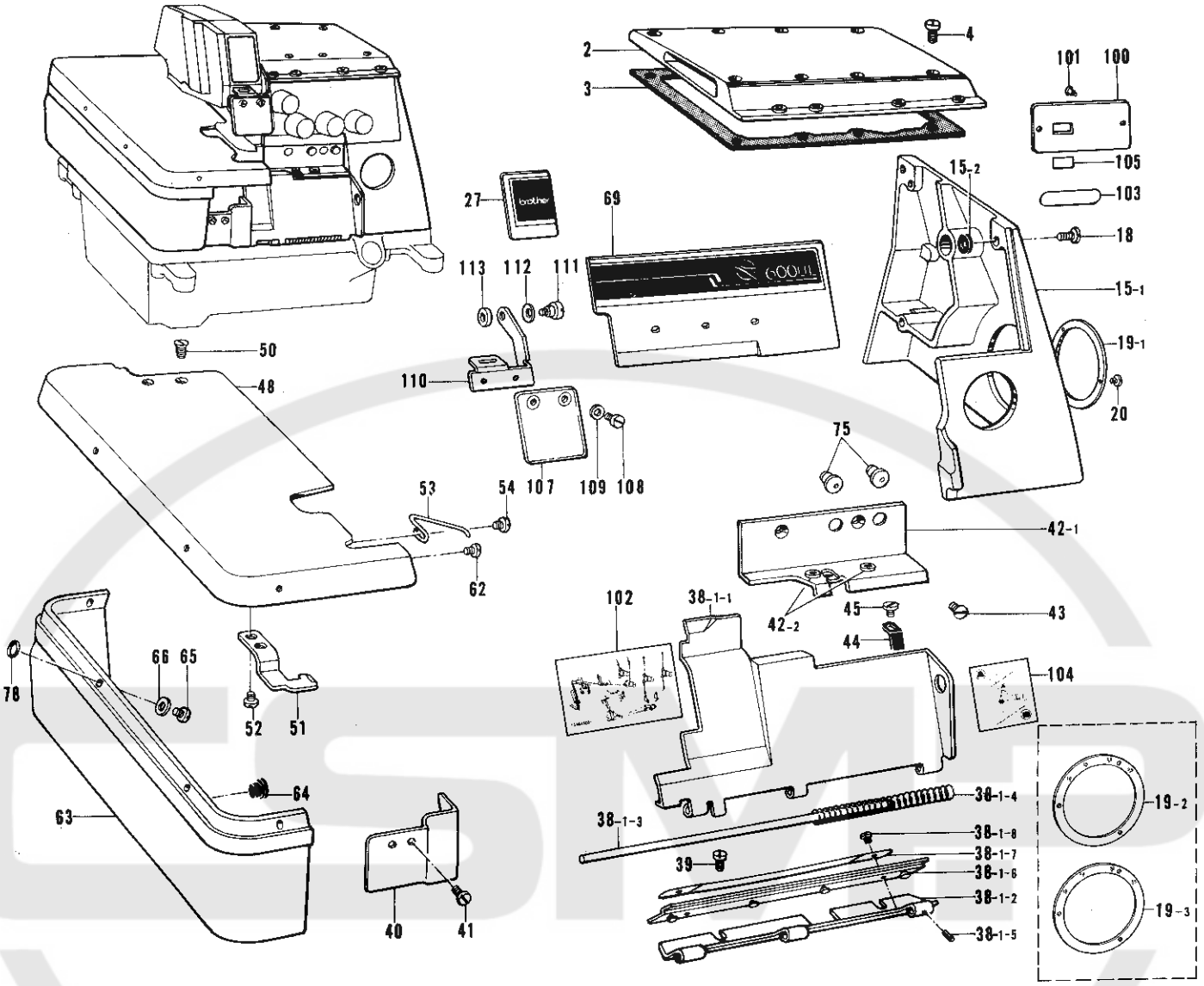
C. Needle bar mechanism (1) / Nadelstangenvorrichtung (1)
Mécanisme de la barre à aiguille (1) / Mecanismo del barra de aguja (1)



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
1-1	Needle Arm Driving Crank Rod	1		C-1 Needle Arm Driving Crank Rod Assembly ※S00037-001
1-2	Screw 4.37 x 14	2	148425-001	
1-3	Pin	1		
1-4	Screw 4.37	1	100366-001	
1-5-1	Needle Bar Crank Shaft Arm	1		C-1-5 Needle Bar Crank Shaft Arm Assembly S00038-001
1-5-2	Bolt 6.35 x 16	1	149170-001	
3	Needle Bar Crank Shaft	1	S00121-001	
4	Screw 5.95	1	100260-001	
5	Bushing (Right)	1	S00041-000	
6	Set Collar	2	140092-001	
7	Screw 4.37	4	014680-422	
8	Bushing (Left)	1	S00042-000	
21	Spacer	1	154901-001	
22	Screw 8.73	1	S00049-001	
23	Needle Bar Guide Slide Block	1	159638-001	
24-1	Needle Arm	1		C-24 Needle Bar Clamp Assembly S00122-001
24-2	Bolt 6.35 x 16	1	017771-612	
24-3	Needle Bar Connector	1		
24-4	Needle Bar Clamp	1		
25	Screw 3.18	1	146427-001	
26	Screw 3.57 x 8	1	009670-812	
27	Needle Bar	1	S00046-001	

Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
28	Needle Bar Guide	1	S00047-001	
29	Screw 4.37 x 7	2	009680-712	
30	Needle Bar Bushing (U)	1	S00048-001	
31	Needle Bar Bushing (D)	1	S00389-000	
32-1-1	Needle Clamp 2.2	1		C-32-1 Needle Clamp Assembly 2.2 154910-001
32-1-2	Screw 3.18	2	146427-001	
33	Needle DC x 27	2	151474-	
35	Needle Plate Support Bracket	1	154922-001	
36	Oil Cap	1	154923-001	
37	Bolt 6.35 x 25	2	017782-512	
38	Needle Plate Supporter (F)	1	146494-001	
39	Screw 4.37 x 5	2	001680-512	
40	Needle Plate Supporter (B)	1	146495-001	
41	Screw 4.37 x 5	2	001680-512	
42	Cloth Plate Cushion (B)	1	111486-001	
43	Movable Needle Guard	1	158433-001	
44	Screw 3.57 x 8	2	009670-812	
45-1	Chain Stitch Needle Guard (F)	1	146777-001	
46	Screw 3.57 x 6	1	009670-612	
49	Screw 4.37	2	100032-003	
55-1-1	Stitch Tongue	1	155993-001	C-55-1 Needle Plate Assembly S00241-001
55-1-2	Needle Plate	1		
55-1-3	Screw 1.59	1	148355-001	

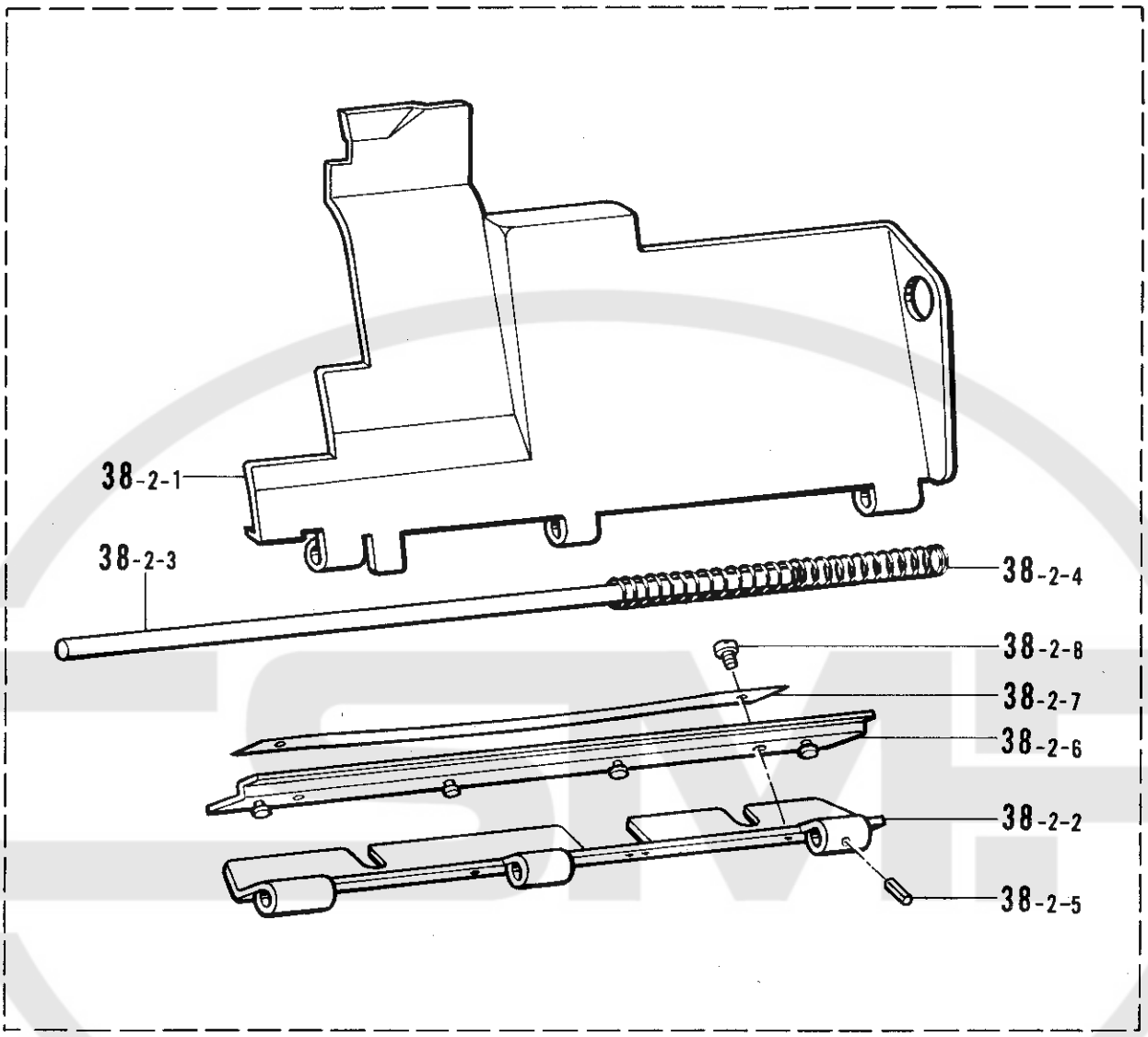
A. Machine body (2) / Maschinengehäuse (2)
Corps de la machine (2) / Cuerpo de la máquina (2)



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
2	Top Cover Assembly	1	S00002-001	
3	Packing	1	S00004-000	
4	Screw 4.37 x 12	8	009681-212	
15-1	Belt Cover	1		A-15 Belt Cover Assembly S00284-001
15-2	Washer	4	155520-000	
18	Screw 4.37 x 10	4	009681-012	
19-1	Stitch Length Control Plate	1	S00095-001	
19-2	Stitch Length Control Plate (Bulky)	1	S01089-001	
19-3	Stitch Length Control Plate (Shirring, Piping)	1	S01090-001	
20	Screw 2.38	3	105288-001	
27	Name Plate	1	S00098-001	
38-1-1	Front Cover	1		A-38-1 Front Cover Assembly 154857-001 (2 mm)
38-1-2	Front Cover Hinge	1	154854-001	
38-1-3	Front Cover Hinge Pin	1	154855-000	
38-1-4	Spring	1	146442-001	
38-1-5	Pin 1.4 x 6	1	047140-642	
38-1-6	Hinge Cover	1	154856-000	
38-1-7	Hinge Cover Presser Plate	1	152194-001	
38-1-8	Screw 3.57 x 4	2	009670-412	
39	Screw 4.37 x 5	2	009680-512	
40	Front Cover Guide	1	154821-001	
41	Screw 3.57 x 6	2	009670-612	
42-1	Supporter for Front Cover	1		A-42 Supporter for Front Cover Assembly 154823-001
42-2	Thread Bushing	2	146924-000	
43	Screw 4.37	2	117160-001	

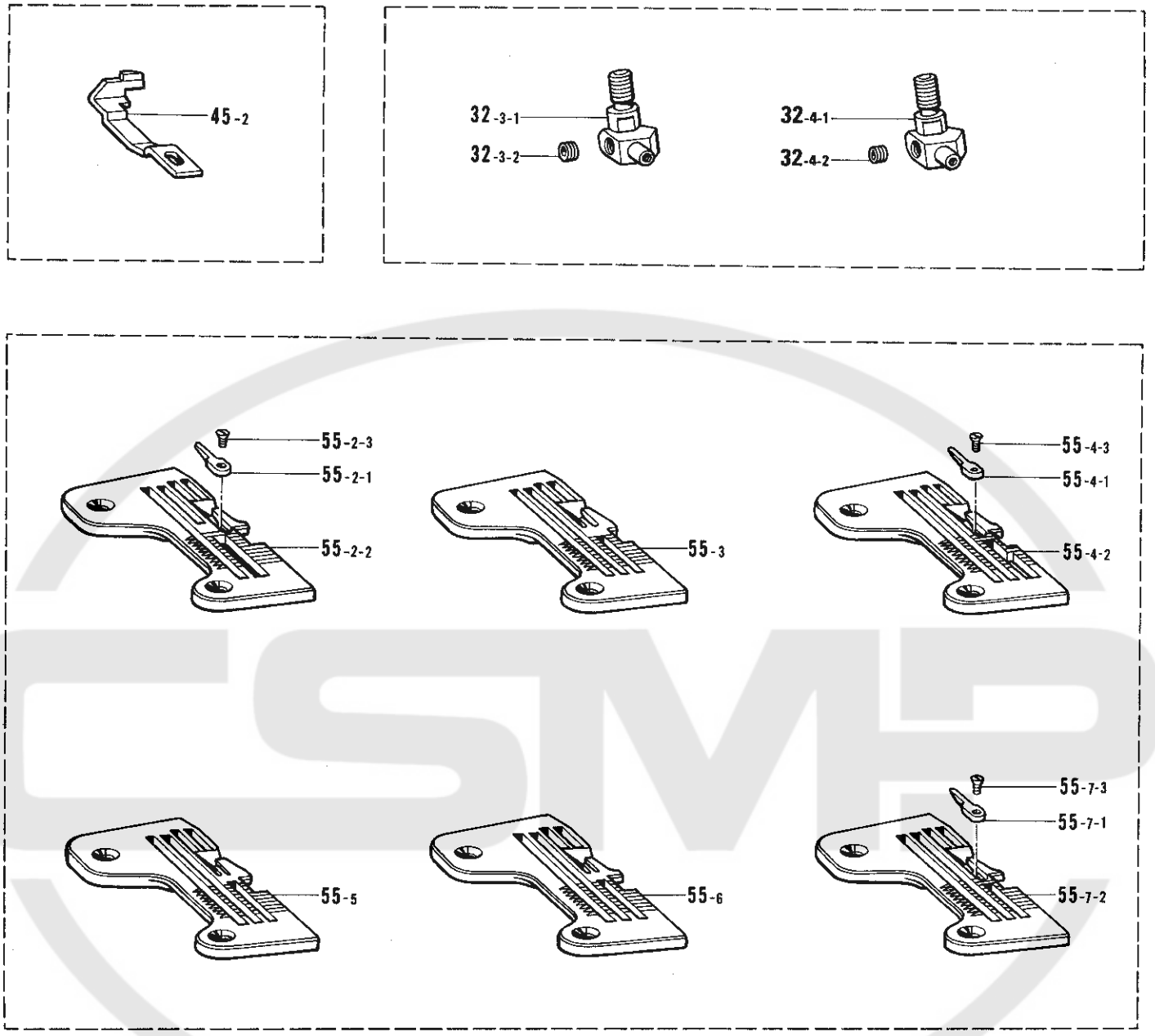
Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
44	Stopper Spring for Front Cover	1	154829-001	
45	Screw 3.57 x 4.5	1	123185-001	
48	Cloth Plate	1	S00101-001	
50	Screw 4.37	2	100032-003	
51	Stopper for Cloth Plate	1	154832-001	
52	Screw 3.57 x 5	2	001670-512	
53	Spring	1	146450-001	
54	Screw 3.57 x 5	1	001670-512	
62	Screw 3.57 x 5	1	007670-513	
63	Cloth Plate Lower	1	S00103-001	
64	Oil Cap	2	104450-001	
65	Screw 3.57 x 7	4	001670-712	
66	Washer	4	105161-003	
69	Emblem Plate	1	S00104-001	
75	Oil Cap	2	143196-001	
78	Packing	4	118770-001	
100	Model Plate	1		
101	Pin	2		
102	Threading Diagram	1	154849-001	
103	Parts Book Number Plate	1		
104	Looper Threading Label	1	155340-001	
105	Label	1	146975-	
107	Eye Guard	1	S00075-000	
108	Screw 3.18 x 5	2	009660-512	
109	Washer 3	2	025030-132	
110	Supporter Plate	1	S00076-001	
111	Screw 4.37	1	146597-101	
112	Spring Washer	1	146598-001	
113	Spacer	1	S00077-000	

A. Machine body (3) / Maschinengehäuse (3)
Corps de la machine (3) / Cuerpo de la máquina (3)



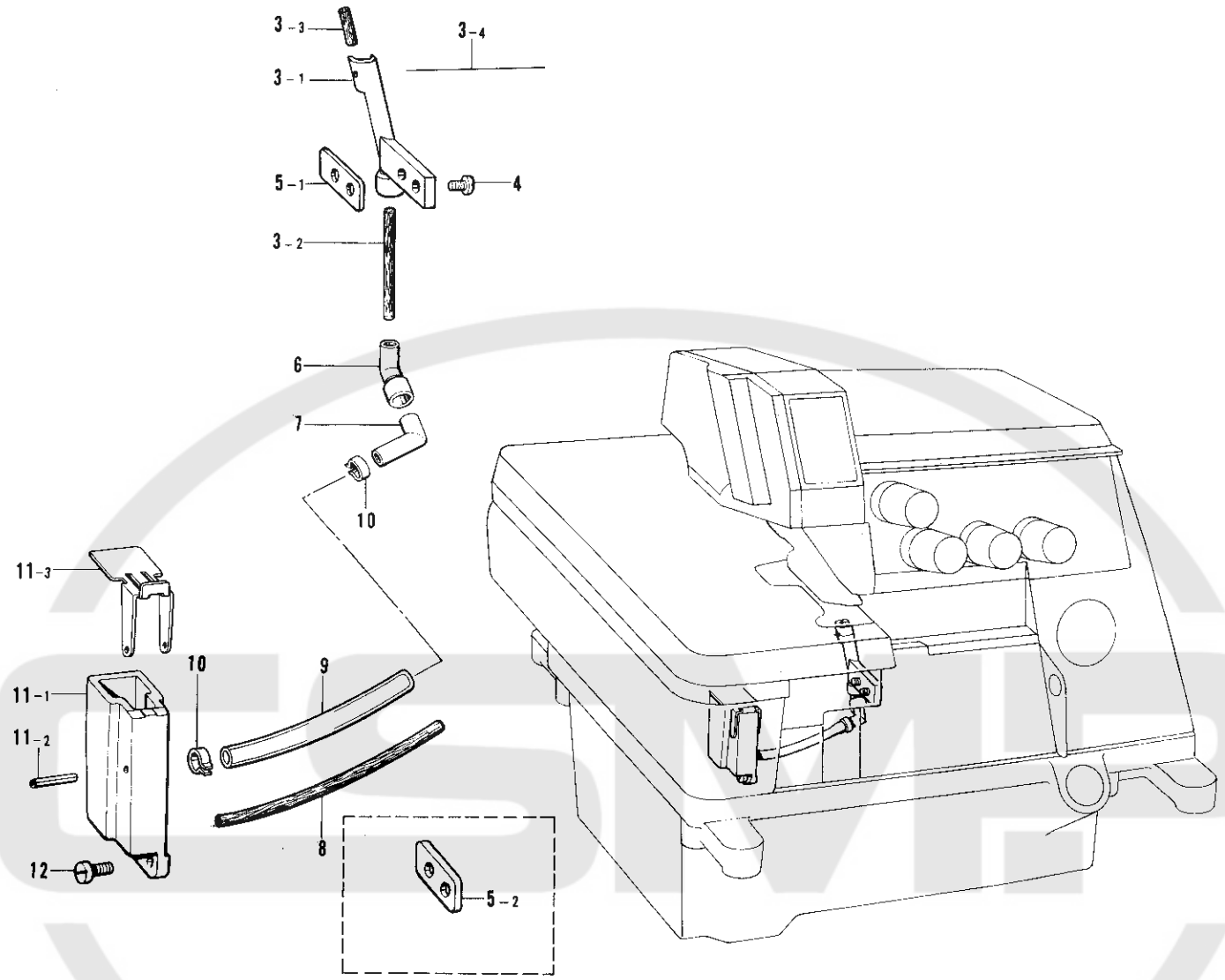
Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
38-2-1	Front Cover	1		A-38-2 Front Cover Assembly 154859-001 (3 mm)	38-2-5	Pin 1.4 x 6	1	047140-642	A-38-2 Front Cover Assembly 154859-001 (3 mm)
38-2-2	Front Cover Hinge	1	154854-001		38-2-6	Hinge Cover	1	154856-000	
38-2-3	Front Cover Hinge Pin	1	154855-000		38-2-7	Hinge Cover Presser Plate	1	152194-001	
38-2-4	Spring	1	146442-001		38-2-8	Screw 3.57 x 4	2	009670-412	

C. Needle bar mechanism (2) / Nadelstangenvorrichtung (2)
Mécanisme de la barre à aiguille (2) / Mecanismo del barra de agufa (2)



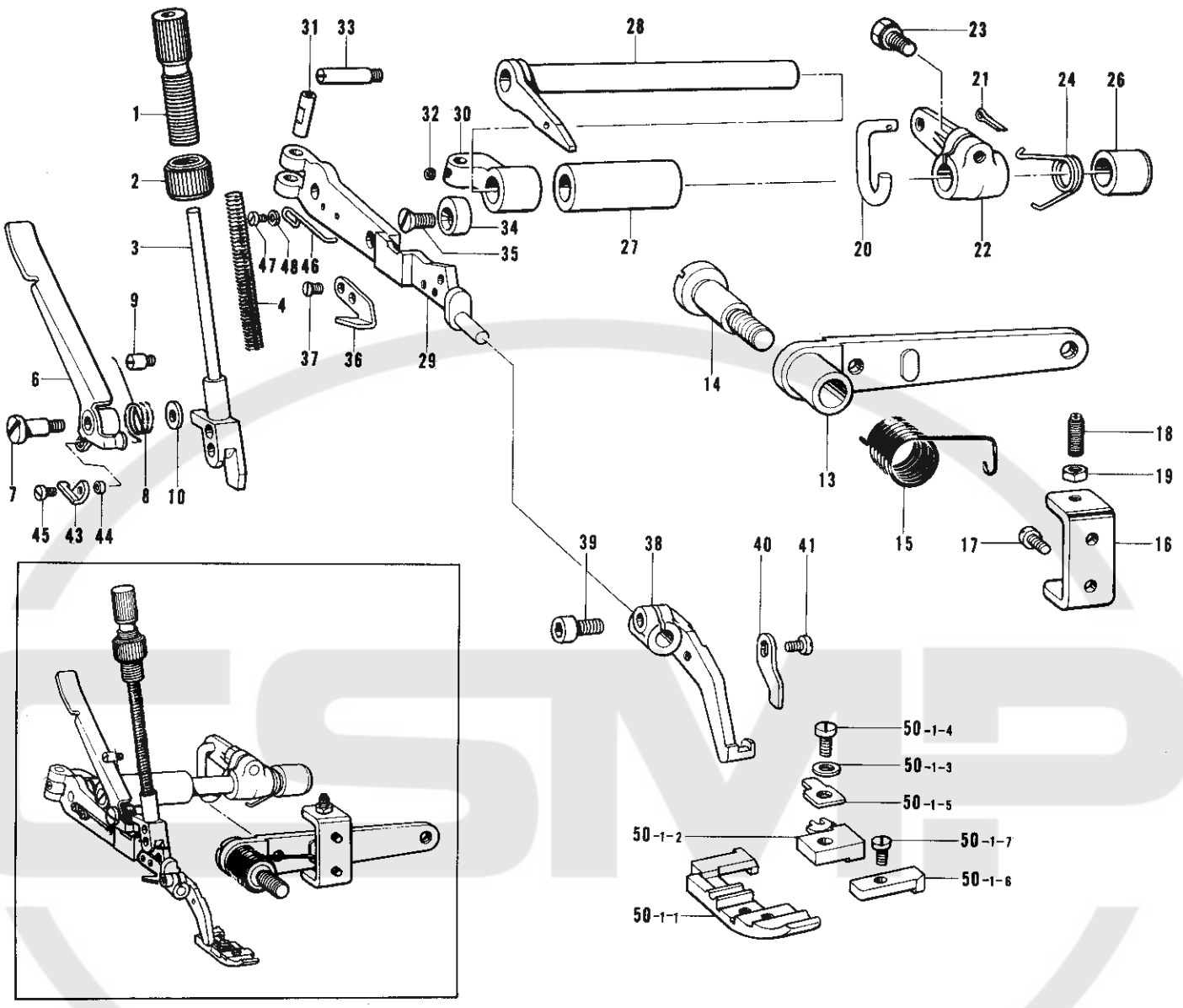
Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
32-3-1	Needle Clamp 3	1		C-32-3 Needle Clamp Assembly 3 154912-001	55-3	Needle Plate (Denim)	1	S01148-001	
32-3-2	Screw 3.18	2	146427-001		55-4-1	Stitch Tongue	1	156014-001	C-55-4 Needle Plate Assembly 156009-001 (Bulky)
32-4-1	Needle Clamp 2.5	1		C-32-4 Needle Clamp Assembly 2.5 159880-001	55-4-2	Needle Plate (Bulky)	1		
					55-4-3	Screw 1.59	1	148355-001	
32-4-2	Screw 3.18	2	146427-001		55-5	Needle Plate (Bulky)	1	159875-001	
					55-6	Needle Plate (Bulky)	1	S01190-001	
45-2	Chain Stitch Needle Guard (F)	1	146778-001		55-7-1	Stitch Tongue	1	156014-001	C-55-7 Needle Plate Assembly S01150-001 (Shirring, Piping Taping)
55-2-1	Stitch Tongue	1	155993-001	C-55-2 Needle Plate Assembly S00283-001	55-7-2	Needle Plate (Shirring·Piping)	1		
55-2-2	Needle Plate	1							
55-2-3	Screw 1.59	1	148355-001		55-7-3	Screw 1.59	1	148355-001	

D. Needle cooler / Nadelkühlungsvorrichtung
Mécanisme du refroidisseur d'aiguille / Mecanismo del enfriador de aguja



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
3-1	Felt Supporter	1	154931-000	D-3 Felt Holder Assembly 154930-001	7	Pipe Joint (B)	1	154940-000	
3-2	Felt	1	154932-000		8	Felt	1	154941-000	
3-3	Felt (S)	1	146740-000		9	Vinyl Tube	1	155283-000	
3-4	Steel Wire	1	147738-000		10	Stop Ring	2	147942-001	
4	Screw 3.57	2	100257-010		11-1	Needle Cooler	1		D-11 Needle Cooler Assembly 154943-001
5-1	Spacer (2 mm)	1	154937-001		11-2	Pin	1	047201-640	
5-2	Spacer (3 mm)	1	154938-001		11-3	Needle Cooler Tank Cover	1	154945-001	
6	Pipe Joint (A)	1	154939-000		12	Screw 3.57 x 10	2	009671-012	

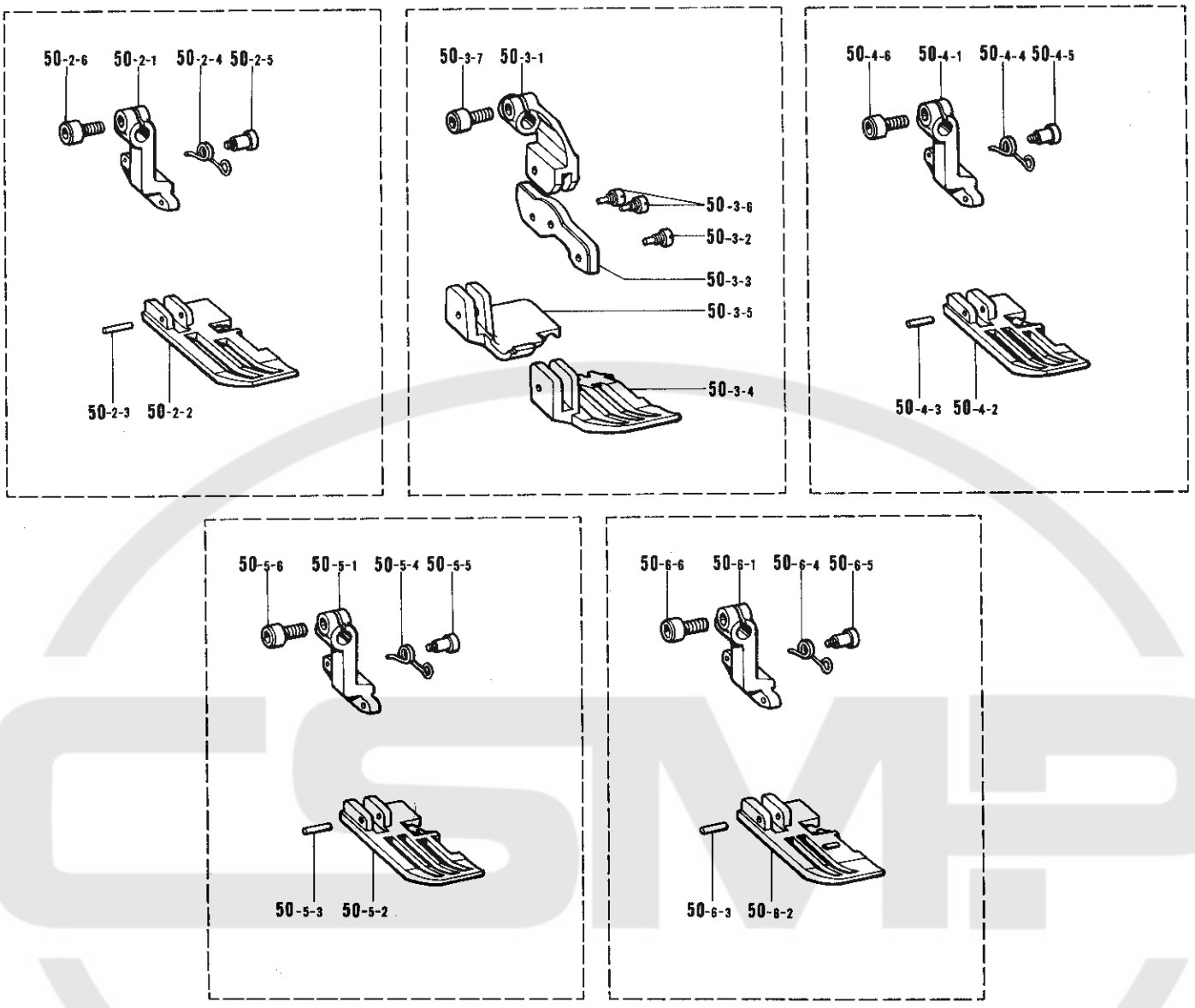
E. Presser foot mechanism (1) / Stoffdrückerfuß (1)
Mécanisme du pied presseur (1) / Mecanismo del prensa telas (1)



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
1	Screw	1	S00050-001	
2	Nut	1	S00051-001	
3	Presser Bar	1	S00052-001	
4	Spring	1	144081-001	
6	Presser Bar Lifter	1	S01082-001	
7	Screw 4.76	1	141598-001	
8	Spring	1	S00054-001	
9	Spring Hook	1	S00055-001	
10	Washer	1	146354-001	
13	Presser Foot Lefter Lever	1	S00125-001	
14	Screw 7.94	1	148372-001	
15	Spring	1	143325-001	
16	Lever Adjust Plate	1	S00126-001	
17	Screw 4.37 x 7	2	009680-712	
18	Screw 4.76	2	153483-001	
19	Nut 4.76	2	110161-006	
20	Presser Foot Lifter Link	1	S00276-001	
21	Pin	1	110793-001	
22	Presser Foot Lifter Inside Lever	1	S00275-001	
23	Bolt 6.35 x 16	1	149170-001	
24	Spring	1	154957-001	
26	Bushing (Right)	1	140262-000	
27	Bushing (Left)	1	S00127-000	
28	Presser Arm Shaft	1	S01080-001	
29	Main Presser Arm	1	S01081-001	

Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
30	Presser Arm Supporter	1	154961-001	
31	Pin for Presser Arm Shaft	1	154962-001	
32	Screw 4.37	1	153675-001	
33	Screw 4.37	1	S00128-001	
34	Presser Arm Stopper	1	144088-001	
35	Screw 4.76	1	107231-002	
36	Trimming Knife	1	148259-001	
37	Screw 3.18	2	141542-001	
38	Sub-Presser Arm	1	S00129-001	
39	Bolt 3.57 x 8	1	154965-001	
40	Presser Stopper	1	S00132-001	
41	Screw 3.18 x 4.5	1	009669-412	
43	Presser Bar Lifter Plate	1	S01083-001	
44	Collar	1	S01084-001	
45	Screw 3.18 x 3.5	1	009669-312	
46	Spring	1	S01086-001	
47	Screw 3.18 x 3.5	2	009669-312	
48	Washer 3.18	2	025660-132	
50-1-1	Presser Foot	1		E-50-1 Presser Foot Assembly S00272-001
50-1-2	Presser Foot Stitch Tongue	1	146903-001	
50-1-3	Washer 3	1	025030-132	
50-1-4	Screw 3.18	1	100080-004	
50-1-5	Presser Foot Hinge Spring	1	146887-001	
50-1-6	Presser Foot (Front)	1	146888-001	
50-1-7	Screw 2.38 x 3.5	1	009639-312	

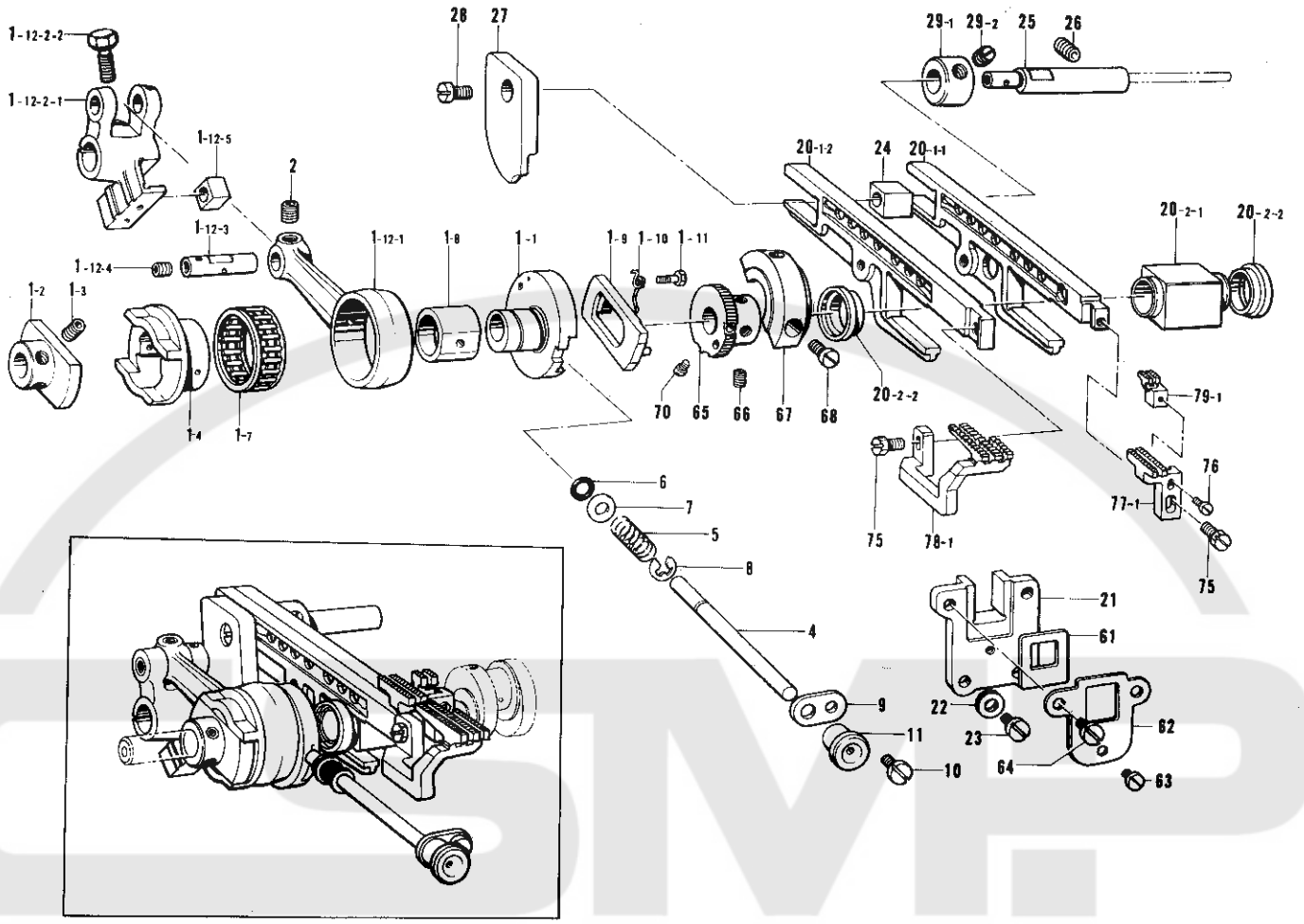
E. Presser foot mechanism (2) / Stoffdrückerfuß (2)
Mécanisme du pied presseur (2) / Mecanismo del prensa telas (2)



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
50-2-1	Sub-Presser Arm	1		E-50-2 Presser Foot Assembly S00243-001
50-2-2	Presser Foot	1		
50-2-3	Pin	1	142243-000	
50-2-4	Spring	1	S00238-001	
50-2-5	Screw	1	142247-001	
50-2-6	Bolt 3.57 x 8	1	154965-001	
50-3-1	Sub-Presser Arm	1		E-50-3 Presser Foot Assembly S01132-001 (Denim)
50-3-2	Screw 3.18	1	148015-001	
50-3-3	Presser Foot Hinge Spring	1	148016-001	
50-3-4	Presser Foot (Front)	1		
50-3-5	Presser Foot (B)	1	S00341-001	
50-3-6	Screw 3.18	2	148015-001	
50-3-7	Bolt 3.57 x 8	1	154965-001	
50-4-1	Sub-Presser Arm	1		E-50-4 Presser Foot Assembly S01134-001 (Shirring)
50-4-2	Presser Foot	1		
50-4-3	Pin	1	142243-000	

Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
50-4-4	Spring	1	S00238-001	E-50-4 Presser Foot Assembly S01134-001 (Shirring)
50-4-5	Screw	1	142247-001	
50-4-6	Bolt 3.57 x 8	1	154965-001	
50-5-1	Sub-Presser Arm	1		E-50-5 Presser Foot Assembly S01135-001 (Piping)
50-5-2	Presser Foot	1		
50-5-3	Pin	1	142243-000	
50-5-4	Spring	1	S00238-001	
50-5-5	Screw	1	142247-001	
50-5-6	Bolt 3.57 x 8	1	154965-001	
50-6-1	Sub-Presser Arm	1		E-50-6 Presser Foot Assembly S01136-001 (Taping)
50-6-2	Presser Foot	1		
50-6-3	Pin	1	142243-000	
50-6-4	Spring	1	S00238-001	
50-6-5	Screw	1	142247-001	
50-6-6	Bolt 3.57 x 8	1	154965-001	

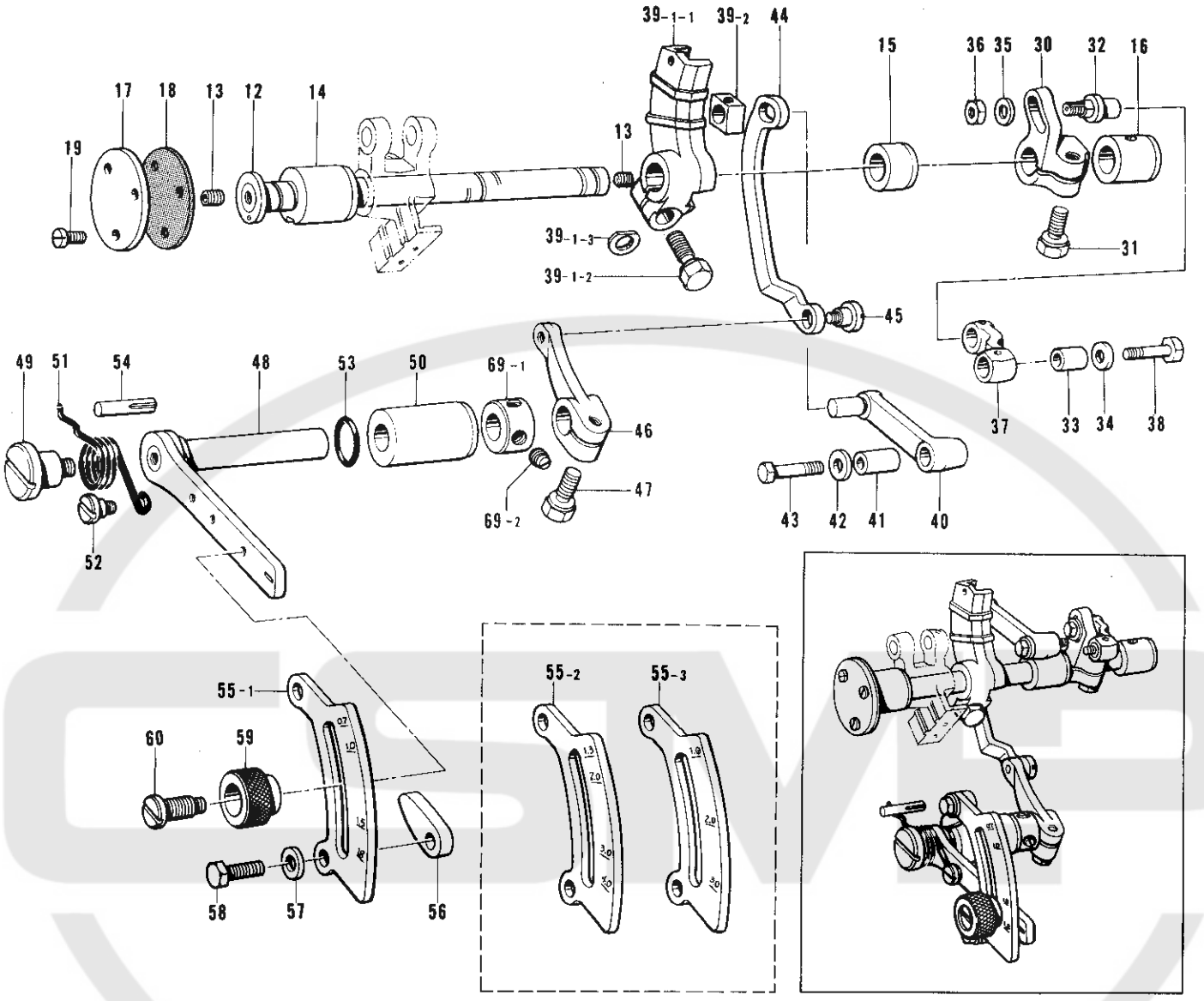
F. Feed mechanism (1) / Transportvorrichtung (1)
Mécanisme de l'entrainement (1) / Mecanismo de la alimentación (1)



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
1- 1	Eccentric Wheel	1		F-1 Eccentric Wheel Assembly S00133-001
1- 2	Eccentric Wheel Holder	1		
1- 3	Screw 4.37	2	014680-422	
1- 4	Eccentric Wheel	1		
1- 7	Needle Roller Bearing 28	1		
1- 8	Eccentric Wheel Block	1		
1- 9	Ratchet Stopper	1		
1-10	Spring	1	155132-001	
1-11	Screw 2.38	1	155133-001	
1-12-1	Feed Connecting Rod	1		
1-12-2-1	Feed Arm	1		
1-12-2-2	Bolt 6.35 x 16	1	149170-001	
1-12-3	Pin	1		
1-12-4	Screw 6.35 x 6	1	014770-622	
1-12-5	Slide Block	1		
2	Screw 4.37	1	014680-422	
4	Feed Adjusting Shaft	1	155138-001	
5	Spring	1	155139-001	
6	Packing	1	118770-001	
7	Washer	1	113431-002	
8	Stop Ring E-4	1	048040-342	
9	Supporter for Feed Adjusting Shaft	1	146536-001	
10	Screw 3.57 x 6	1	009670-612	
11	Cap	1	155348-000	
20- 1-1	Main Feed Bar	1		F-20 Feed Bar Guide Block Assembly S00373-001
20- 1-2	Differential Feed Bar	1		
20- 2-1	Feed Lifting Slide Block	1	S00371-000	
20 -2-2	Block Oil Reject	2	S00372-000	

Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
21	Feed Bar Guide	1	155151-000	
22	Washer	2	100645-003	
23	Screw 4.37	2	107407-003	
24	Feed Bar Guide Block	1	146547-000	
25	Feed Bar Guide Block Shaft	1	155152-001	
26	Screw 6.35	1	014780-622	
27	Differential Link Guide	1	155153-000	
28	Screw 4.37 x 7	1	009680-712	
29-1	Set Collar	1		F-29 Set Collar with Screw 156809-001
29-2	Screw 6.35 x 6	2	014770-622	
61	Fragment Protector	1	155177-000	
62	Fragment Protector Plate	1	155178-001	
63	Screw 3.57	1	106568-003	
64	Screw 4.37	2	107407-003	
65	Ratchet	1	S00153-001	
66	Screw 4.37	2	014680-622	
67	Balance Weight	1	155180-001	
68	Screw 4.37	2	105176-001	
70	Screw 2.38	2	155560-001	
75	Bolt 4.37	2	117516-001	
76	Screw 2.38 x 8	1	009630-812	
77-1	Main Feed Dog	1	S00145-001	
78-1	Differential Feed Dog	1	156036-001	
79-1	Chain Feed Dog (G)	1	S00147-001	

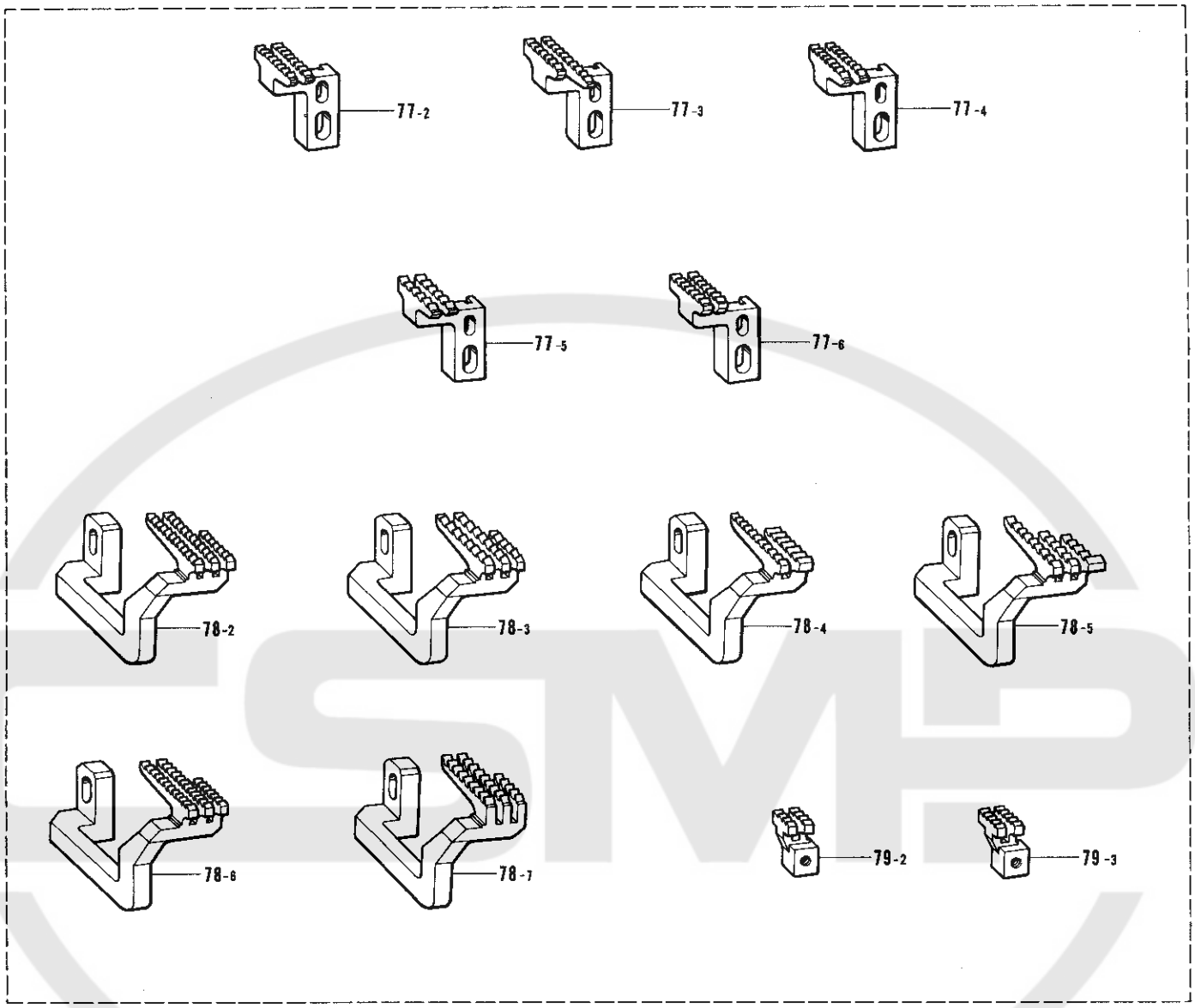
F. Feed mechanism (2) / Transportvorrichtung (2)
Mécanisme de l'entrainement (2) / Mecanismo de la alimentación (2)



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
12	Feed Shaft	1	S00140-001	
13	Screw 6.35 x 6	2	014770-622	
14	Feed Shaft Bushing (L)	1	155141-000	
15	Feed Shaft Bushing (M)	1	S00141-000	
16	Feed Shaft Bushing (R)	1	155143-000	
17	Cover for Feed Shaft Bushing (L)	1	155144-001	
18	Packing	1	155145-000	
19	Screw 3.57 x 8	3	009670-812	
30	Main Feed Arm	1	S00142-001	
31	Bolt 6.35 x 16	1	149170-001	
32	Main Feed Shaft	1	S00143-001	
33	Main Feed Link Bushing	1	155156-001	
34	Washer	1	155157-001	
35	Washer	1	113431-002	
36	Nut 4.76	1	148838-001	
37	Main Feed Link	1	S00144-001	
38	Main Feed Link Shaft (Small)	1	140210-001	
39-1-1	Differential Feed Arm	1		F-39 Differential Feed Arm Block Assembly 155159-001
39-1-2	Bolt 6.35 x 16	1	149170-001	
39-1-3	Spacer	1	155162-001	
39-2	Differential Feed Block	1		
40	Differential Feed Link	1	155164-001	
41	Differential Feed Link Bushing	1	155165-001	
42	Washer	1	155157-001	
43	Feed Link Shaft (Large)	1	140217-001	

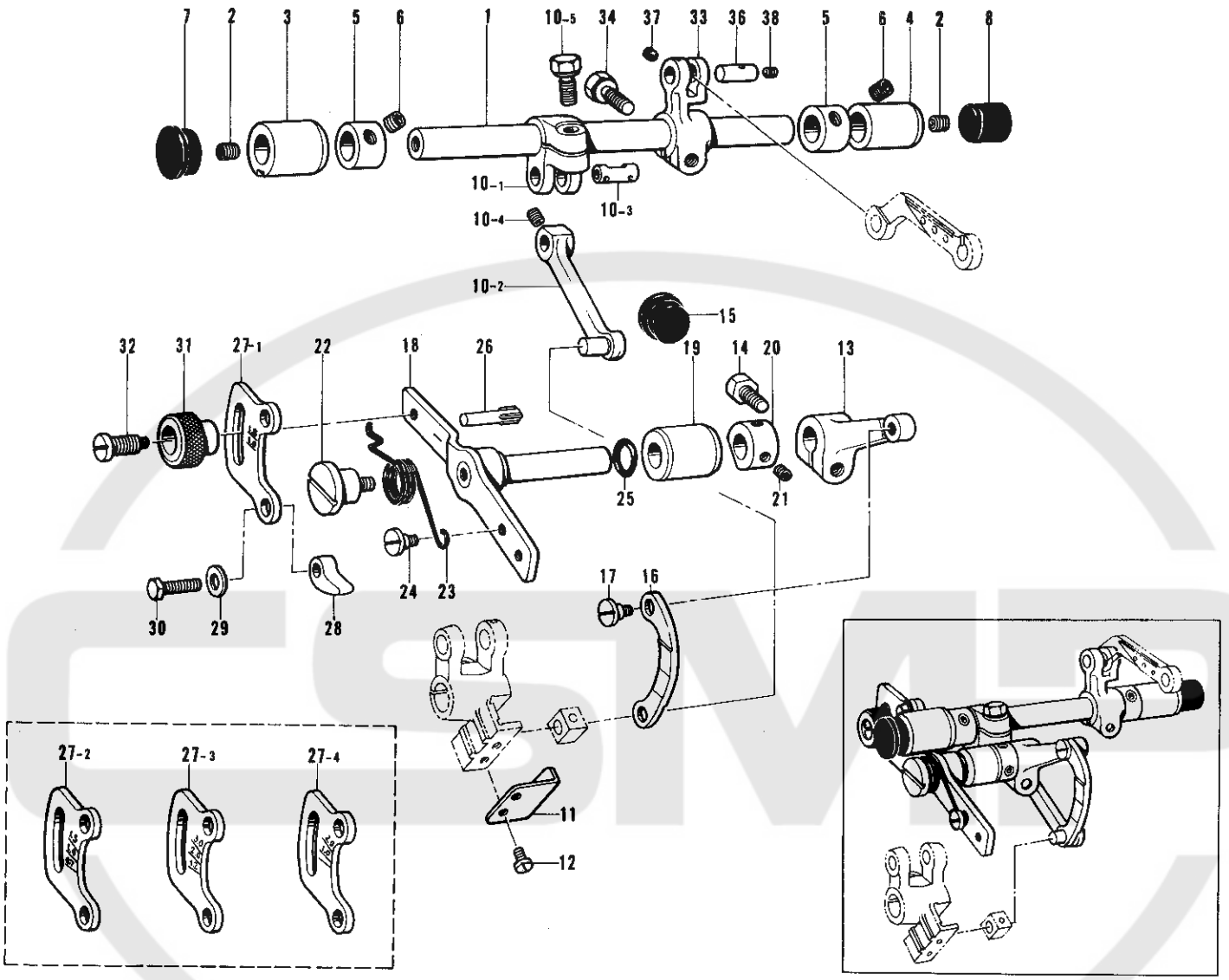
Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
44	Differential Feed Adjuster Link	1	155166-001	
45	Screw 5.56	1	155167-001	
46	Differential Feed Link Lever	1	155168-001	
47	Bolt 6.35 x 14	1	155516-001	
48	Differential Feed Adjusting Lever	1	155169-001	
49	Screw 5.56	1	146559-001	
50	Adjusting Lever Bushing	1	155170-000	
51	Spring	1	155171-001	
52	Screw 4.76	1	100294-002	
53	"O" Ring	1	109203-001	
54	Dowel Pin	1	140063-001	
55-1	Differential Stitch Control Plate	1	S00148-001	
55-2	Differential Stitch Control Plate (Bulky)	1	155173-001	
55-3	Differential Stitch Control Plate (Shirring, Piping)	1	155174-001	
56	Stopper for Differential Stitch Control	2	146563-001	
57	Washer	2	118735-002	
58	Bolt 6.35 x 14	2	017781-412	
59	Knob	1	155175-001	
60	Screw	1	155176-001	
69-1	Set Collar	1		F-69 Set Collar with Screw 181969-003
69-2	Screw 6.35	2	101706-001	

F. Feed mechanism (3) / Transportvorrichtung (3)
Mécanisme de l'entrainement (3) / Mecanismo de la alimentación (3)



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
77-2	Main Feed Dog	1	146744-001		78-4	Differential Feed Dog	1	S00281-001	
77-3	Main Feed Dog (Bulky)	1	146745-001		78-5	Differential Feed Dog (Bulky)	1	156037-001	
77-4	Main Feed Dog (Shirring, Piping, Taping)	1	S01145-001		78-6	Differential Feed Dog (Piping, Taping)	1	S01147-001	
77-5	Main Feed Dog (Denim)	1	S01149-001		78-7	Differential Feed Dog (Bulky)	1	159877-001	
77-6	Main Feed Dog (Bulky)	1	159876-001		79-2	Chain Feed Dog A	1	146577-001	
78-2	Differential Feed Dog (Shirring)	1	S01146-001		79-3	Chain Feed Dog B (Bulky)	1	146578-001	
78-3	Differential Feed Dog (Denim)	1	S01141-001						

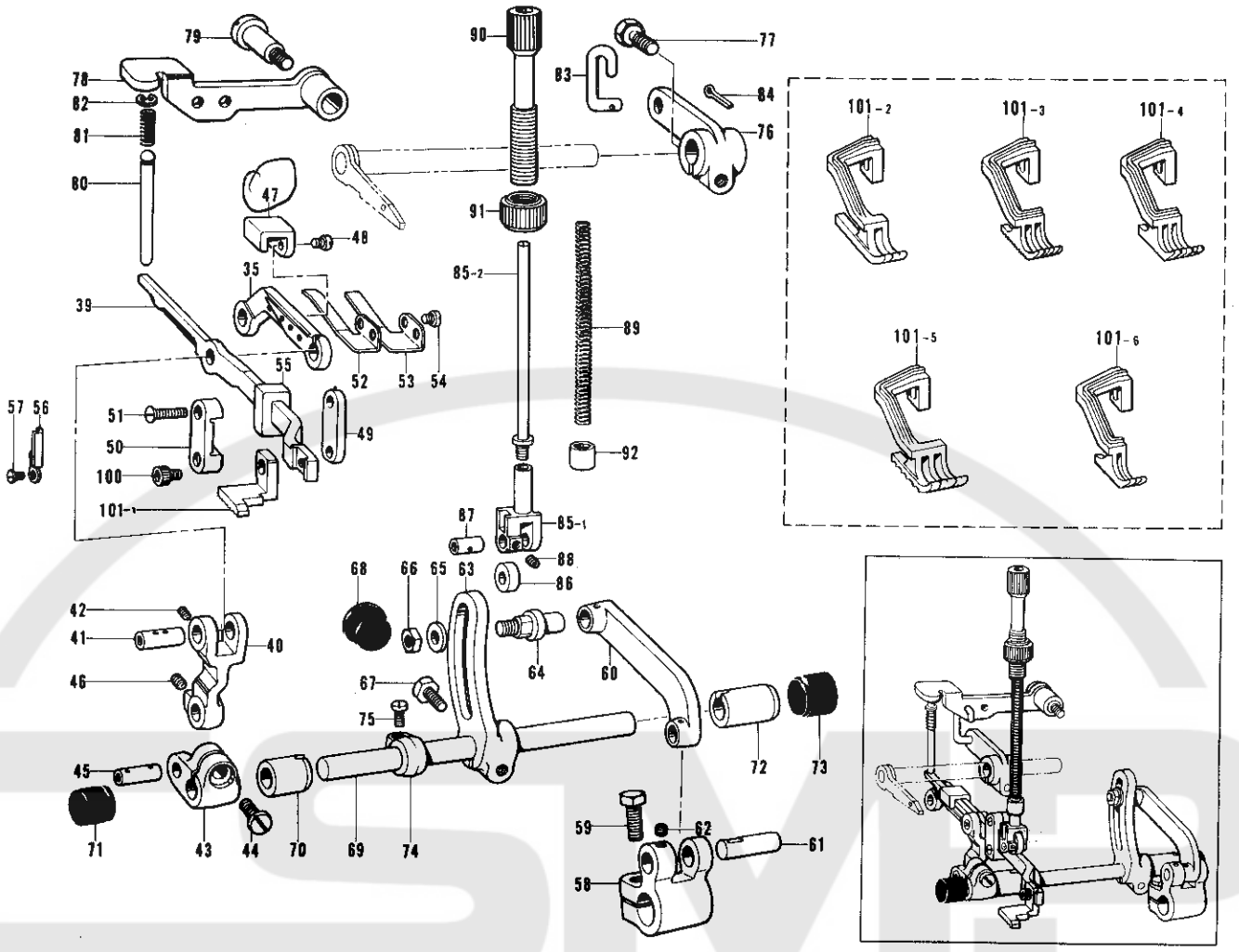
G. Upper feed mechanism (1) / Obertransportvorrichtung (1)
Mécanisme de l'entrainement supérieur (1) / Mecanismo de la alimentación superior (1)



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
1	Feed Rock Shaft	1	S00154-001	
2	Screw 6.35 x 6	2	014770-622	
3	Bushing (Left)	1	S00155-000	
4	Bushing (Right)	1	S00156-000	
5	Set Collar	2	S00157-001	
6	Screw 5.95	4	152718-001	
7	Oil Cap	1	150756-000	
8	Oil Cap	1	S00313-000	
10-1	Feed Rock Arm (A)	1		G-10 Feed Rock Arm Assembly S00158-001
10-2	Feed Link	1		
10-3	Feed Rock Arm Stud	1		
10-4	Screw 4.37	1	014680-422	
10-5	Bolt 6.35 x 16	1	149170-001	
11	Link Guide Plate	1	S00162-001	
12	Screw 3.57 x 5	2	009670-512	
13	Link Lever	1	S00163-001	
14	Bolt 6.35 x 14	1	017771-412	
15	Oil Cap	1	104449-001	
16	Feed Adjusting Link	1	S00164-001	
17	Screw 5.56	1	155167-001	
18	Feed Adjusting Lever	1	S00165-001	
19	Bushing	1	S00166-000	

Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
20	Set Collar	1	155533-001	
21	Screw 4.37	2	014680-422	
22	Screw 5.56	1	146559-001	
23	Spring	1	S00167-001	
24	Screw 4.76	1	100294-002	
25	"O" Ring	1	109203-001	
26	Pin	1	140063-001	
27-1	Upper Feed Regulator Plate	1	S00168-001	
27-2	Upper Feed Regulator Plate	1	S00239-001	
27-3	Upper Feed Regulator Plate (Bulky)	1	S01093-001	
27-4	Upper Feed Regulator Plate (Shirring, Piping)	1	S01094-001	
28	Stopper	2	S00169-001	
29	Washer	2	118735-002	
30	Bolt 6.35 x 14	2	017781-412	
31	Knob	1	155175-001	
32	Screw	1	155176-001	
33	Feed Rock Arm (B)	1	S00170-001	
34	Bolt 6.35 x 16	1	149170-001	
36	Stud	1	S00172-001	
37	Screw 3.57	1	148294-001	
38	Screw 3.18	1	146427-001	

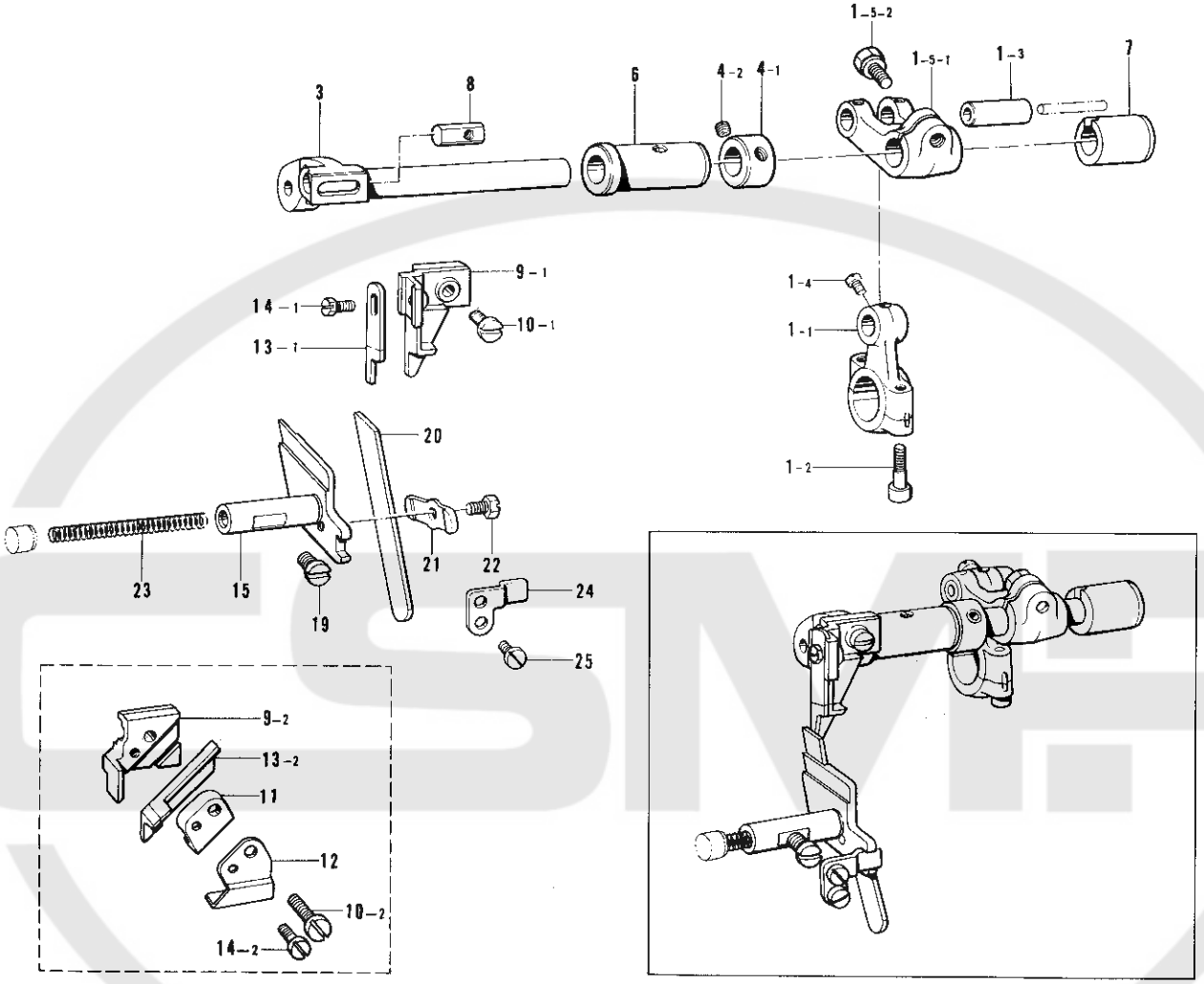
G. Upper feed mechanism (2) / Obertransportvorrichtung (2)
Mécanisme de l'entrainement supérieur (2) / Mecanismo de la alimentación superior (2)



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
35	Upper Feed Connecting Rod	1	S00171-001	
39	Upper Feed Bar	1	S00173-001	
40	Feed Forked Connector	1	S00174-001	
41	Stud	1	S00175-001	
42	Screw 3.57	1	148294-001	
43	Feed Rock Arm	1	S00176-001	
44	Screw 5.95 x 12	1	009761-212	
45	Pin	1	S00177-001	
46	Screw 4.37	1	014680-422	
47	Upper Feed Bar Guide (A)	1	S00178-001	
48	Screw 3.57 x 5	2	001670-512	
49	Upper Feed Bar Guide (B)	1	S00179-000	
50	Upper Feed Bar Guide (B) Cover	1	S00180-000	
51	Screw 3.57 x 14	2	151626-001	
52	Spring Plate (U)	1	S00181-001	
53	Spring Plate (D)	1	S00182-001	
54	Screw 3.57 x 6	2	009670-612	
55	Oil Rejector	1	S00183-000	
56	Fragment Protector Plate	1	S00184-001	
57	Screw 3.57 x 6	1	009670-612	
58	Feed Arm	1	S00185-001	
59	Bolt 6.35 x 16	1	017771-612	
60	Feed Link	1	S00186-001	
61	Feed Rock Shaft Arm Pin	1	109153-001	
62	Screw 4.37	1	014680-422	
63	Feed Adjusting Arm	1	S00187-001	
64	Feed Link Shaft	1	S00188-001	
65	Washer	1	113431-002	
66	Nut 4.76	1	148838-001	
67	Bolt 6.35 x 14	1	017771-412	
68	Oil Cap	1	104449-001	
69	Feed Shaft	1	S00189-001	
70	Bushing (L)	1	S00190-000	

Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
71	Oil Cap	1	140065-001	
72	Bushing (R)	1	S00191-000	
73	Oil Cap	1	154841-001	
74	Set Collar	1	S00192-001	
75	Screw 4.37 x 7	1	009680-712	
76	Upper Feed Lifting Arm	1	S00193-001	
77	Bolt 6.35 x 16	1	149170-001	
78	Upper Feed Lifting Lever	1	S00194-001	
79	Screw 5.95	1	S00195-001	
80	Upper Feed Lifting Shaft	1	S00196-001	
81	Spring	1	S00197-001	
82	Stop Ring E-4	1	048040-342	
83	Presser Lifting Link	1	S00198-001	
84	Pin	1	110793-001	
85-1	Presser Bar Bracket	1	S00200-001	G-85 Upper Feed Presser Bar Assembly S00199-001
85-2	Presser Bar	1	S00201-001	
86	Presser Bar Roller	1	S00202-001	
87	Presser Bar Roller Stud	1	S00203-001	
88	Screw 3.18	1	146427-001	
89	Upper Feed Presser Spring	1	S00204-001	
90	Presser Adjusting Screw	1	S00205-001	
91	Nut for Presser Adjusting Screw	1	S00051-001	
92	Bushing	1	S00207-000	
100	Screw 3.57 x 7	1	S00208-001	
101-1	Upper Feed Dog	1	S00209-001	
101-2	Upper Feed Dog	1	S00240-001	
101-3	Upper Feed Dog (Shirring)	1	S01129-001	
101-4	Upper Feed Dog (Piping)	1	S01131-001	
101-5	Upper Feed Dog (Denim)	1	S01133-001	
101-6	Upper Feed Dog (Taping)	1	S01137-001	

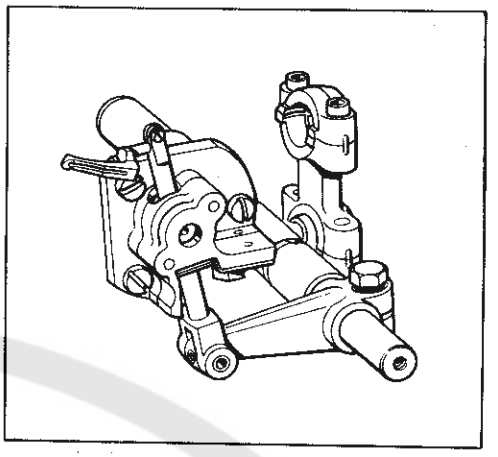
H. Knife mechanism / Messer
Mécanisme du couteau / Mecanismo del cuchilla

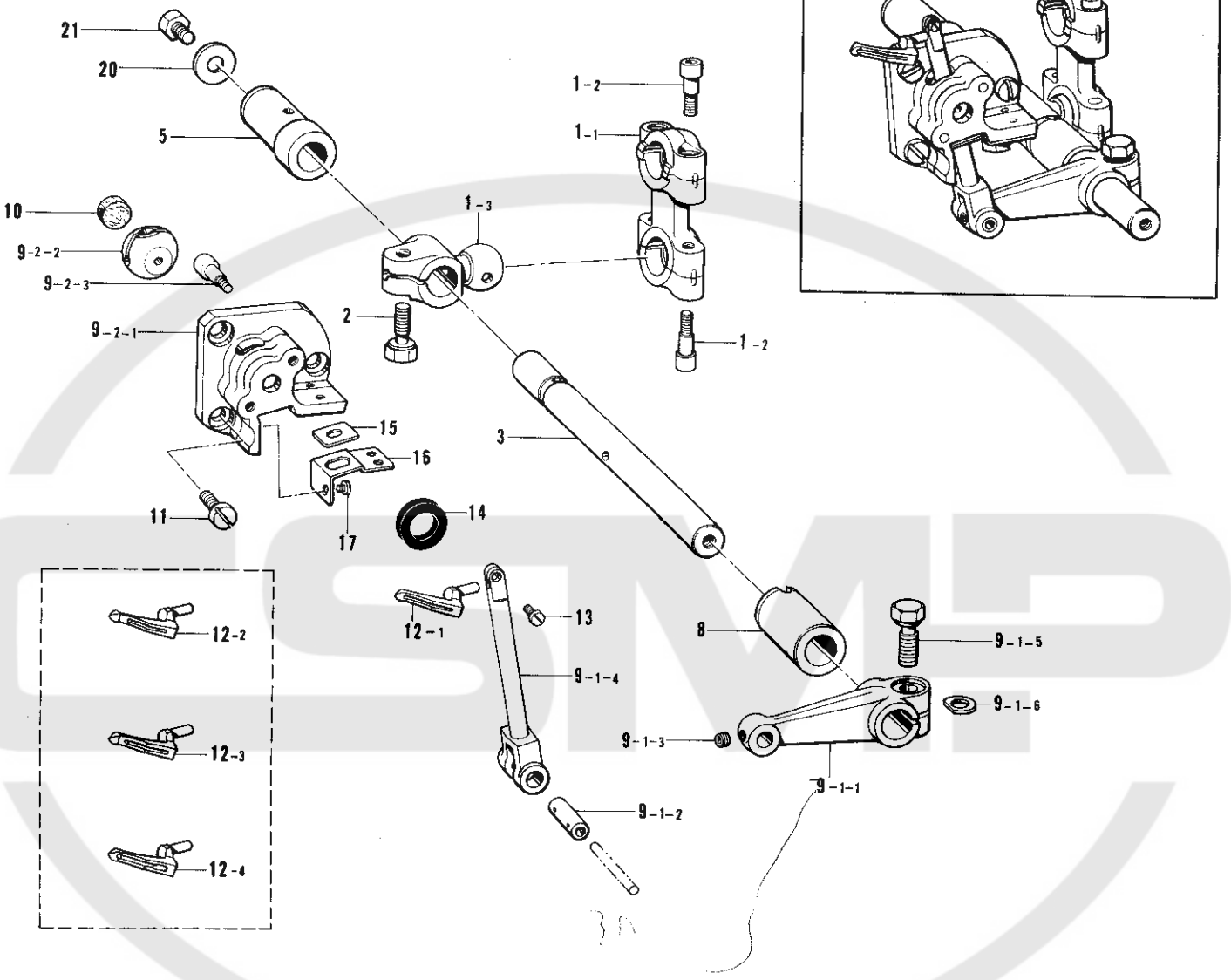


Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
1-1	Upper Knife Driving Rod	1		H-1 Upper Knife Driving Rod Assembly ※155181-001
1-2	Screw 4.37 x 14	2	148425-001	
1-3	Pin	1		
1-4	Screw 4.37	1	100366-001	
1-5-1	Upper Knife Driving Lever	1		H-1-5 Upper Knife Driving Lever Assembly 156318-001
1-5-2	Bolt 6.35 x 16	1	149170-001	
3	Upper Knife Driving Arm	1	S00274-001	
4-1	Set Collar	1		H-4 Set Collar with Screw 159441-001
4-2	Screw 5.95	2	152718-001	
6	Bushing (L)	1	155186-000	
7	Bushing (R)	1	S00210-000	
8	Nut	1	148281-001	
9- 1	Upper Knife Holder	1	155187-001	
9- 2	Upper Knife Holder	1	155189-001	

Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
10- 1	Screw 4.37	1	107407-003	
10- 2	Screw 4.37 x 16	1	009681-612	
11	Upper Knife Presser	1	148343-001	
12	Presser Plate	1	148344-001	
13- 1	Upper Knife	1	144074-000	
13- 2	Angle Knife with Carbide Tip	1	148815-001	
14- 1	Bolt 3.57	1	144075-001	
14- 2	Screw 3.57	1	113050-001	
15	Lower Knife Holder	1	155191-001	
19	Screw 6.35	1	102627-001	
20	Lower Knife	1	155193-001	
21	Lower Knife Presser Plate	1	155194-001	
22	Bolt 4.37	1	117516-001	
23	Spring	1	146584-001	
24	Lower Knife Holder Guide	1	155195-001	
25	Screw 3.57 x 6	2	009670-612	

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

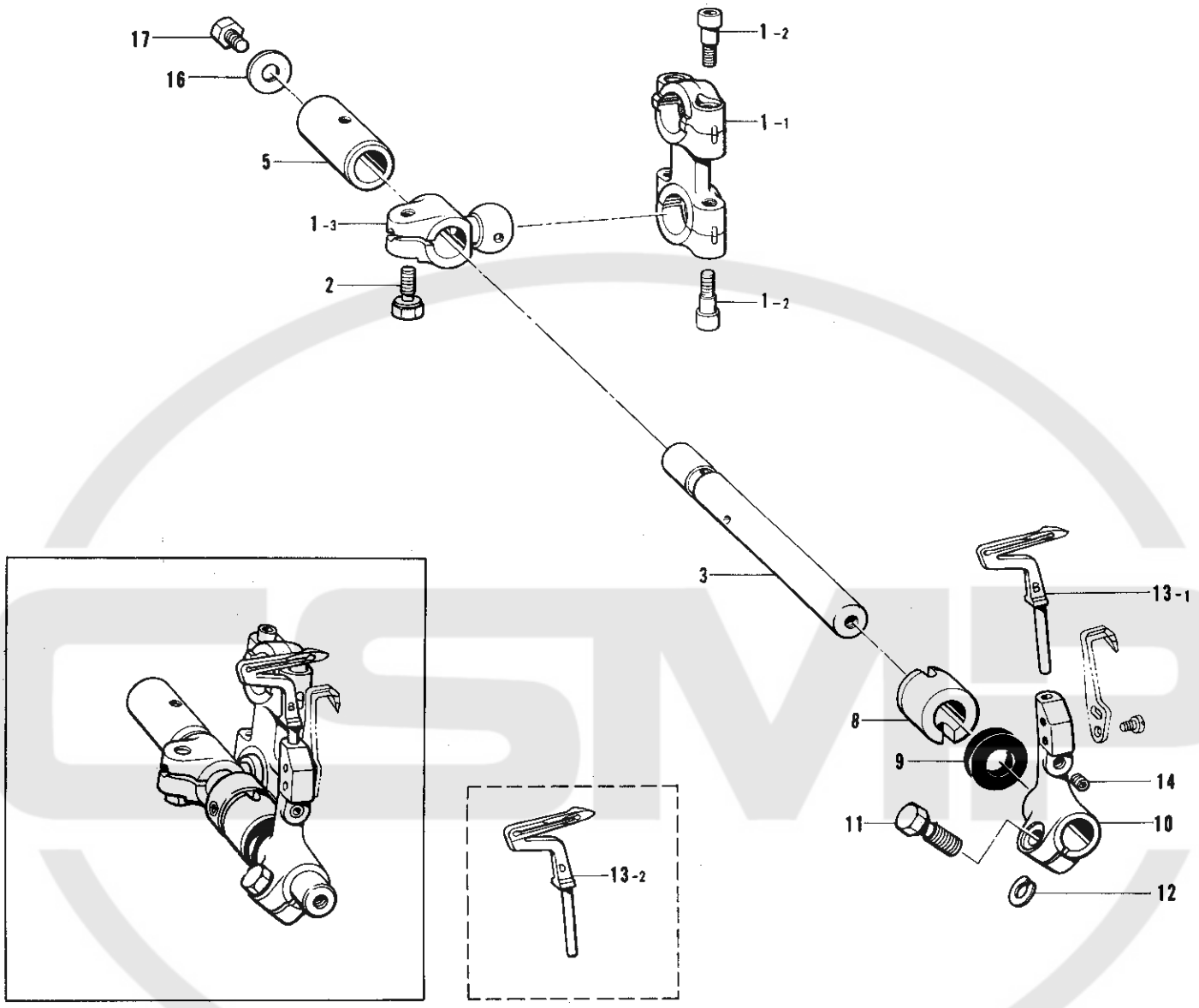




Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
1- 1	Looper Connecting Rod	1		J-1 Looper Connecting Rod Assembly ※155225-001
1- 2	Screw 4.37 x 14	4	148425-001	
1- 3	Looper Connecting Lever	1		
2	Bolt 6.35 x 14	1	155516-001	
3	Looper Shaft	1	155228-001	
5	Bushing (B)	1	155229-000	
8	Bushing (F)	1	S00379-000	
9- 1-1	Over Looper Driving Lever	1		J-9 Over Looper Assembly 155231-001
9- 1-2	Over Looper Holding Shaft	1		
9- 1-3	Screw 4.37	1	014680-422	
9- 1-4	Over Looper Holder	1		
9- 1-5	Bolt 6.35 x 16	1	149170-001	
9- 1-6	Spacer	1	155162-001	
9- 2-1	Over Looper Holder Guide Base	1		
9- 2-2	Over Looper Holder Guide Block	1		
9- 2-3	Screw 4.37 x 14	2	148425-001	

Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
10	Felt	1	155238-000	
11	Screw 4.37 x 8	3	009680-812	
12- 1	Over Looper	1	155240-001	
12- 2	Over Looper	1	155242-001	
12- 3	Over Looper	1	155243-101	
12- 4	Over Looper	1	159883-001	
13	Screw 3.18 x 6	1	009660-612	
14	Seal	1	155247-000	
15	Over Looper Oil Rejector	1	156476-000	
16	Oil Rejector Supporter	1	156491-001	
17	Screw 3.57	3	106568-003	
20	Washer	1	S00356-001	
21	Bolt 5.56 x 8	1	S00383-001	

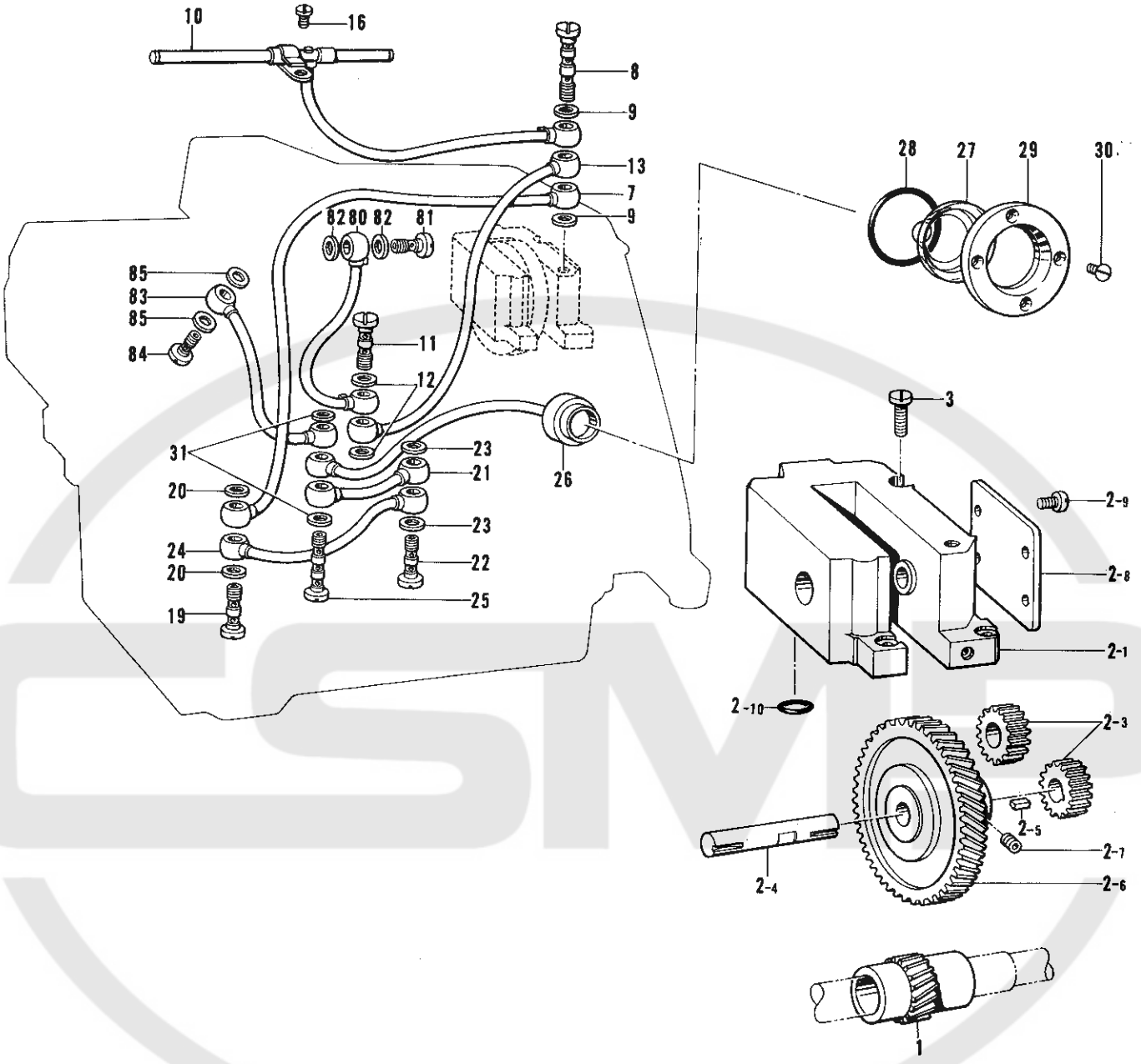
K. Under looper mechanism / Unterer Greifer
Mécanisme du boucleur inférieur / Mecanismo del presilladora inferior



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
1-1	Looper Connecting Rod	1		K-1 Looper Connecting Rod Assembly ※155225-001
1-2	Screw 4.37 x 14	4	148425-001	
1-3	Looper Connecting Lever	1		
2	Bolt 6.35 x 14	1	155516-001	
3	Under Looper Shaft	1	155244-001	
5	Under Looper Shaft Bushing (B)	1	155245-000	
8	Under Looper Shaft Bushing (F)	1	155246-000	
9	Seal	1	155247-000	

Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
10	Under Looper Holder	1	155248-001	
11	Bolt 5.56 x 14	1	149171-001	
12	Spacer	1	148782-001	
13- 1	Under Looper	1	159434-001	
13- 2	Under Looper	1	159885-001	
14	Screw 4.37	1	014680-422	
16	Washer	1	S00356-001	
17	Bolt 5.56 x 8	1	S00383-001	

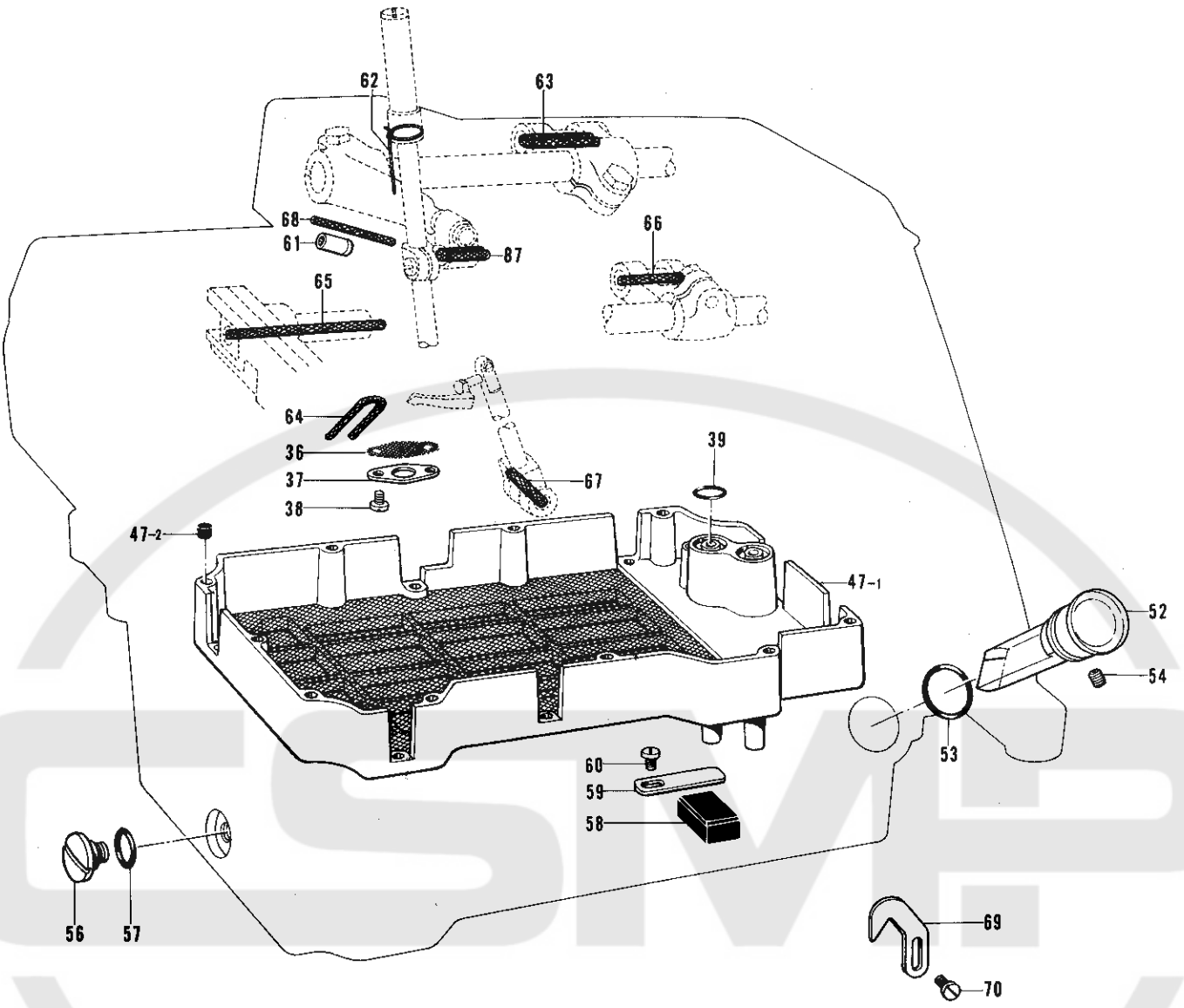
L. Lubrication (1) / Schmierung (1)
Lubrification (1) / Lubricación (1)



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
1	Gear S	1	156432-001	
2- 1	Pump Case	1		L-2 Pump Assembly S00057-001
2- 3	Pump Gear D	2	156426-000	
2- 4	Gear (L) Shaft	1	156427-001	
2- 5	Key	1	156429-001	
2- 6	Gear L	1	156428-000	
2- 7	Screw 4.37 x 6	2	014680-622	
2- 8	Pump Cover	1	156430-001	
2- 9	Screw 3.57 x 6	4	009670-612	
2-10	"O" Ring P8	1	081008-070	
3	Screw 4.37 x 12	4	009681-212	
7	Vinyl Tube	1	156469-001	
8	Oil Feeding Pipe (A)	1	112351-001	
9	Packing	2	112348-001	
10	Main Oil Pipe	1	S00211-001	
11	Oil Feeding Pipe (B)	1	112364-001	
12	Packing	2	112348-001	
13	Tube Assembly	1	155292-001	
16	Screw 3.57 x 6	1	009670-612	

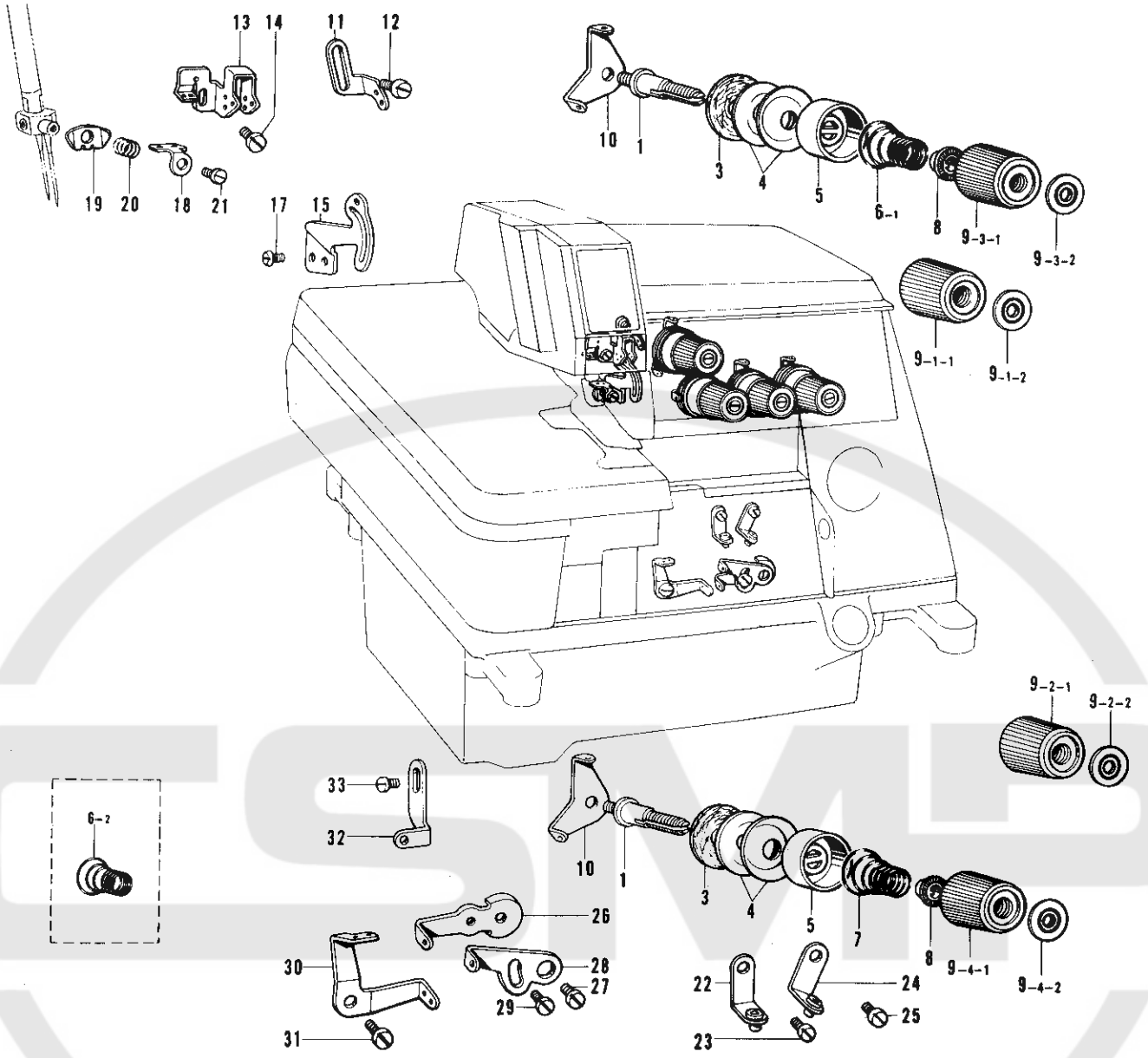
Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
19	Oil Feeding Pipe (A)	1	112364-001	
20	Packing	2	112348-001	
21	Vinyl Tube	1	155282-001	
22	Oil Feeding Pipe (B)	1	112364-001	
23	Packing	2	112348-001	
24	Vinyl Tube	1	155284-001	
25	Oil Feeding Pipe (B)	1	112351-001	
26	Pilot-Light Gauge	1	155286-101	
27	Pilot-Light Lens	1	155290-000	
28	"O" Ring P22	1	081022-070	
29	Lens Presser Plate	1	155291-001	
30	Screw 3.57	4	102538-002	
31	Packing	2	112348-001	
80	Vinyl Tube	1	S00322-001	
81	Screw	1	112359-001	
82	Packing	2	112348-001	
83	Vinyl Tube	1	156897-001	
84	Screw	1	112359-001	
85	Packing	2	112348-001	

L. Lubrication (2) / Schmierung (2)
Lubrification (2) / Lubricación (2)



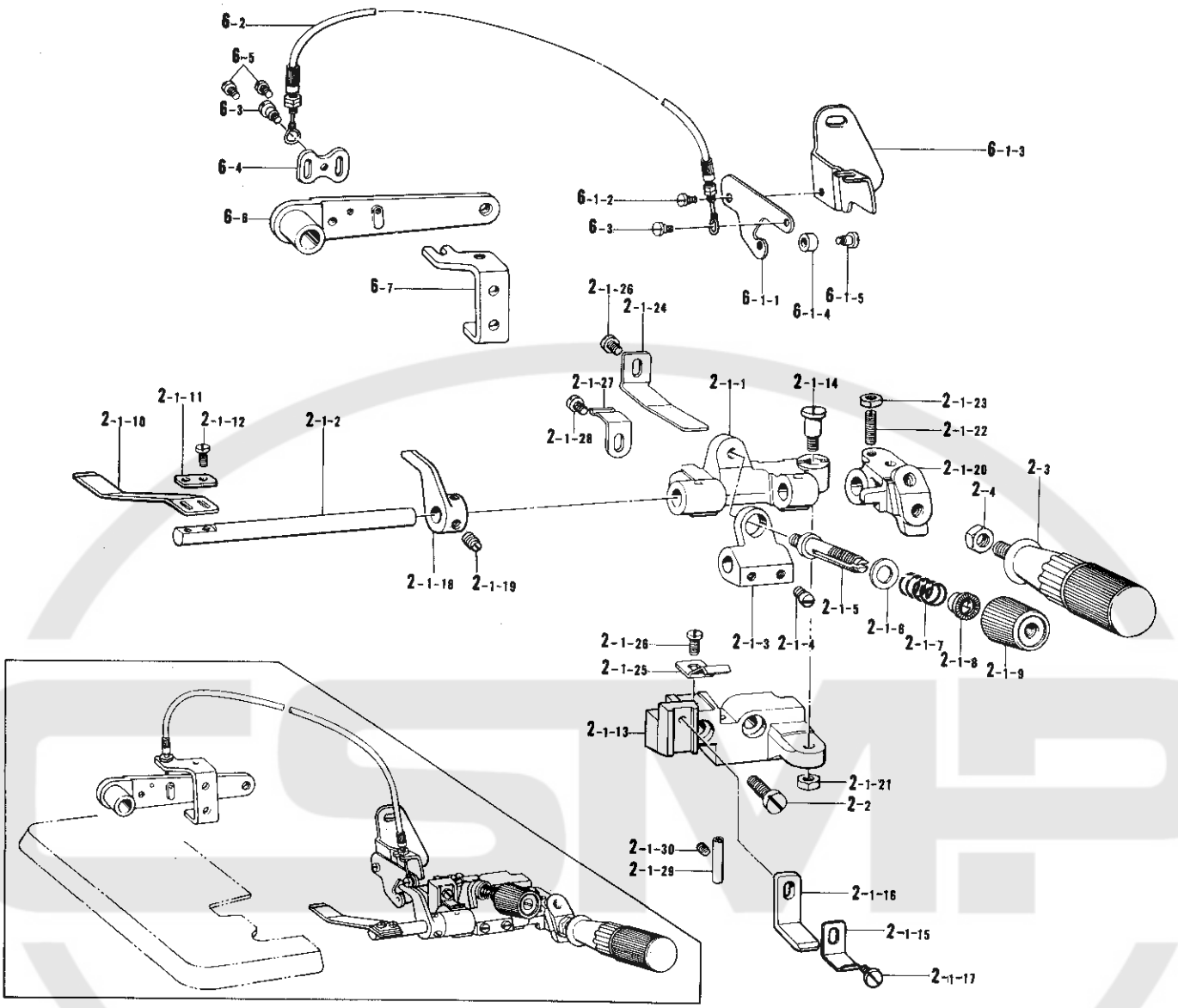
Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
36	Oil Filter Guide	1	155294-000		60	Screw 3.57 x 6	1	009670-612	
37	Oil Filter Frange	1	155295-001		61	Oil Pipe	1	S00213-000	
38	Screw 3.57 x 5	2	009670-512		62	Wick	1	S00305-000	
39	"O" Ring	1	108549-001		63	Wick	1	140320-000	
47-1	Oil Filter	1		L-47 Oil Filter Assembly S00065-001	64	Wick	1	112750-000	
47-2	Oil Cap	10	140327-001		65	Wick	1	147362-000	
52	Oil Gauge Window	1	S00067-001		66	Wick	1	140317-000	
53	"O" Ring	1	081016-070		67	Wick	1	140417-000	
54	Screw 3.57	1	148294-001		68	Wick	1	140430-001	
56	Screw 9.52	1	110641-002		69	Adjusting Plate	1	155552-001	
57	Packing	1	109203-001		70	Screw 3.57 x 6	2	009670-612	
58	Hagnet	1	112525-000		87	Wick	1	S00278-000	
59	Spring Plate	1	152936-001						

M. Thread tension / Fadenspannung
Tension du fil / Tensión 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	Thread Tension Control Stud	4	159574-001		10	Needle Thread Guide Plate	4	110813-001	
3	Felt	4	110832-001		11	Needle Thread Guide (B)	1	S00215-001	
4	Tension Disc	8	145446-001		12	Screw 3.57 x 6	2	009670-612	
5	Tension Disc Washer	4	144103-003		13	Needle Thread Guide (A)	1	155305-101	
6- 1	Spring	2	144104-001		14	Screw 3.57 x 6	1	001670-612	
6- 2	Spring	2	148851-001		15	Needle Thread Take-up	1	155306-001	
7	Spring	2	144110-001		17	Screw 3.57 x 6	2	001670-612	
8	Tension Spring Washer	4	144105-000		18	Needle Thread Guide (C)	1	155307-101	
9- 1- 1	Thread Tension Adjusting Nut	1	149566-002	M-9-1 Thread Tension Adjusting Nut Assembly 155696-001	19	Needle Thread Guard	1	155308-101	
9- 1- 2	Tension Indicating Plate	1	155697-001		20	Needle Thread Guard Spring	1	155310-001	
9- 2- 1	Thread Tension Adjusting Nut	1	149566-002	M-9-2 Thread Tension Adjusting Nut Assembly 155696-002	21	Screw 2.38	1	105288-001	
9- 2- 2	Tension Indicating Plate	1	155697-002		22	Thread Guide	1	146926-003	
9- 3- 1	Thread Tension Adjusting Nut	1	149566-002	M-9-3 Thread Tension Adjusting Nut Assembly 155696-003	23	Screw 3.57 x 6	1	009670-612	
9- 3- 2	Tension Indicating Plate	1	155697-003		24	Under Looper Thread Guide	2	146926-002	
9- 4- 1	Thread Tension Adjusting Nut	1	149566-002	M-9-4 Thread Tension Adjusting Nut Assembly 155696-004	25	Screw 3.57 x 6	1	009670-612	
9- 4- 2	Tension Indicating Plate	1	155697-004		26	Under Looper Thread Take-up	1	155311-001	
					27	Screw 3.57 x 6	1	009670-612	
					28	Over Looper Thread Take-up	1	155312-001	
					29	Screw 3.57 x 6	1	009670-612	
					30	Looper Thread Take-up (L)	1	146654-001	
					31	Screw 3.57 x 6	1	009670-612	
					32	Over Looper Thread Guide	1	155313-001	
					33	Screw 3.57 x 6	1	009670-612	

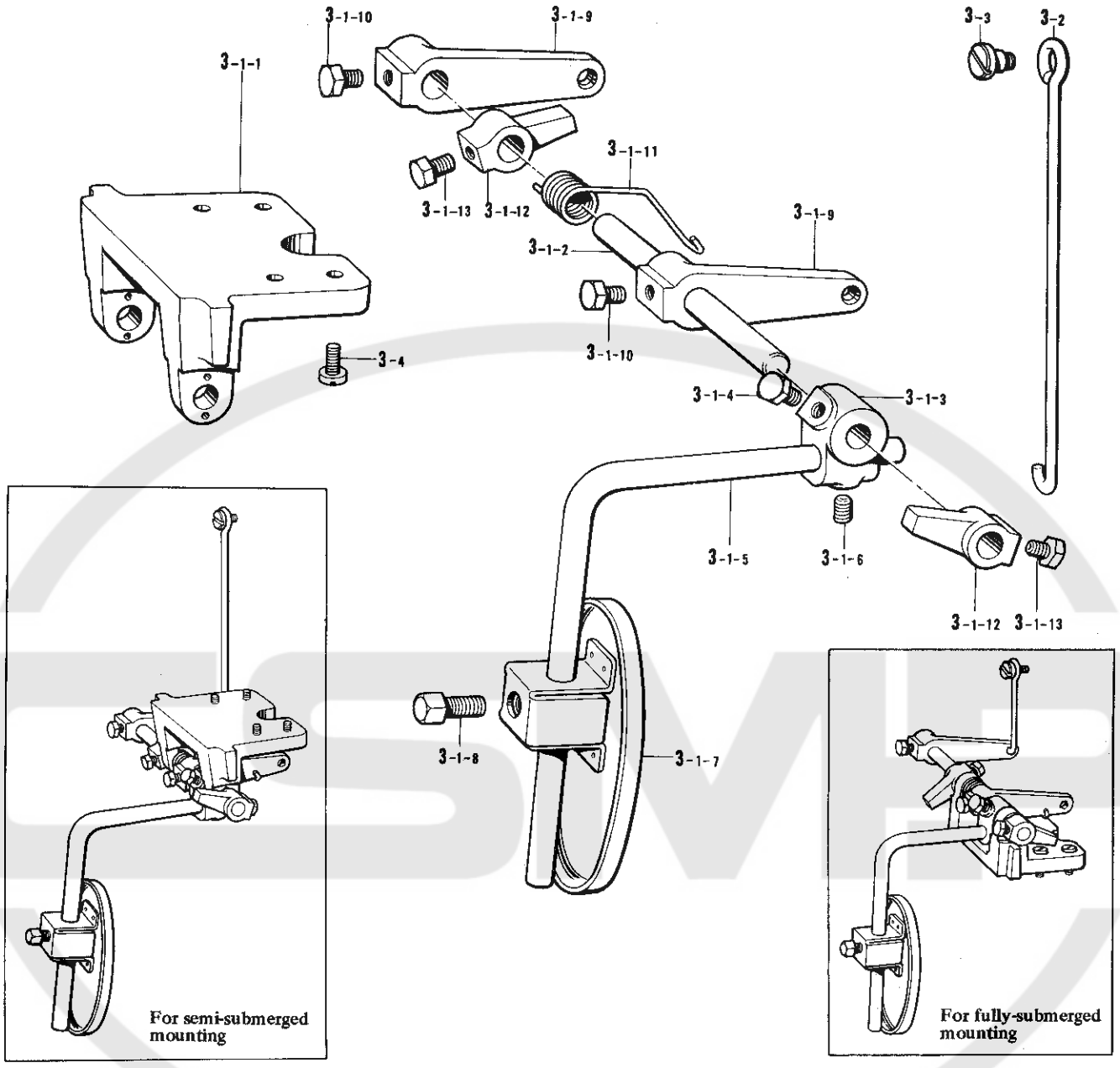
N. Shirring Attachment (1) / Kräuselvorrichtung (1)
Accessoire pour fronces (1) / Accesorio de tundido (1)



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
2-1- 1	Bracket for Ruffling Blade	1	146588-001	N-2-1 Shirring Attachment Assembly S01069-001
2-1- 2	Ruffling Blade Base Shaft	1	145803-001	
2-1- 3	Spring Base	1	146590-001	
2-1- 4	Screw 5.95	2	105163-001	
2-1- 5	Looper Thread Tension Control Stud	1	110820-001	
2-1- 6	Washer 6.35	1	025770-232	
2-1- 7	Spring	1	144788-001	
2-1- 8	Tension Spring Washer	1	144105-000	
2-1- 9	Thread Tension Adjusting Nut	1	149566-002	
2-1-10	Separator	1	S01057-001	
2-1-11	Washer	1	144784-001	
2-1-12	Screw 3.18 x 7	2	009660-712	
2-1-13	Ruffling Base	1		
2-1-14	Stud Screw 5.95	1	147933-001	
2-1-15	Ruffling Blade Guide	1	145807-001	
2-1-16	Ruffling Blade Guide Plate (D)	1	154795-001	
2-1-17	Screw 4.37 x 8	1	009680-812	
2-1-18	Ruffling Plate Lifter	1	148387-001	
2-1-19	Screw 6.35	2	101706-001	
2-1-20	Handle Fixing Plate	1	145810-001	
2-1-21	Nut 5.95	1	150553-002	
2-1-22	Screw 4.37	1	110230-001	

Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
2-1-23	Nut 4.37	1	105234-003	N-2-1 Shirring Attachment Assembly S01069-001
2-1-24	Spring Plate	1	145811-001	
2-1-25	Spring Plate	1	145808-001	
2-1-26	Screw 4.37 x 6	2	009680-612	
2-1-27	Spring	1	144764-001	
2-1-28	Screw 3.57 x 5	1	001670-512	
2-1-29	Thread Guide Pipe	2	146592-001	
2-1-30	Screw 3.57	2	013679-412	
2-2	Screw 6.35 x 18	2	009781-812	N-2 Shirring Assembly S01068-002
2-3	Handle	1	145809-001	
2-4	Nut 6.35	1	150556-002	
6-1- 1	Ruffling Plate Lifter Lever	1	148388-001	N-6-1 Shirring Plate Lifter Lever Assembly S00082-001
6-1- 2	Screw	1	141514-001	
6-1- 3	Presser Foot Lifter Lever Support	1	S00083-001	
6-1- 4	Roller	1	148390-001	
6-1- 5	Stud Screw 3.18	1	112301-001	
6-2	Flexible Wire Assembly	1	148391-001	N-6 Shirring Interlocking Assembly S01073-002
6-3	Screw	2	141514-001	
6-4	Wire Plate	1	147672-001	
6-5	Screw 3.57 x 6	2	009670-612	
6-6	Presser Foot Lifter Lever	1	S01074-001	
6-7	Lever Adjuster Plate	1	S01075-001	

N. Shirring Attachment (2) / Kräuselvorrichtung (2)
Accessoire pour fronces (2) / Accesorio de tundido (2)



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
3-1- 1	Knee Lifter Shaft Bracket	1	155197-001	N-3-1 Differential Feed Adjustment Assembly S01071-001
3-1- 2	Knee Lifter Shaft	1	S01072-001	
3-1- 3	Knee Lifter Bracket	1	155199-001	
3-1- 4	Bolt 6.35 x 10	1	017781-012	
3-1- 5	Knee Lifter Bar (S)	1	148797-001	
3-1- 6	Screw 6.35	1	014780-622	
3-1- 7	Knee Lifter Plate (L)	1	148798-001	
3-1- 8	Bolt 7.94	1	100463-001	

Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
3-1- 9	Knee Lifter Lever	2	155201-001	N-3-1 Differential Feed Adjustment Assembly S01071-001
3-1-10	Bolt 6.35 x 10	2	017781-012	
3-1-11	Spring	1	155202-001	
3-1-12	Collar	2	155203-101	
3-1-13	Bolt 6.35 x 10	2	017781-012	
3-2	Connecting Bar	1	155205-001	N-3 Knee Lifter Shaft Assembly S01168-001
3-3	Stud Screw 4.76	1	146594-001	
3-4	Screw 4.37 x 10	4	009681-012	

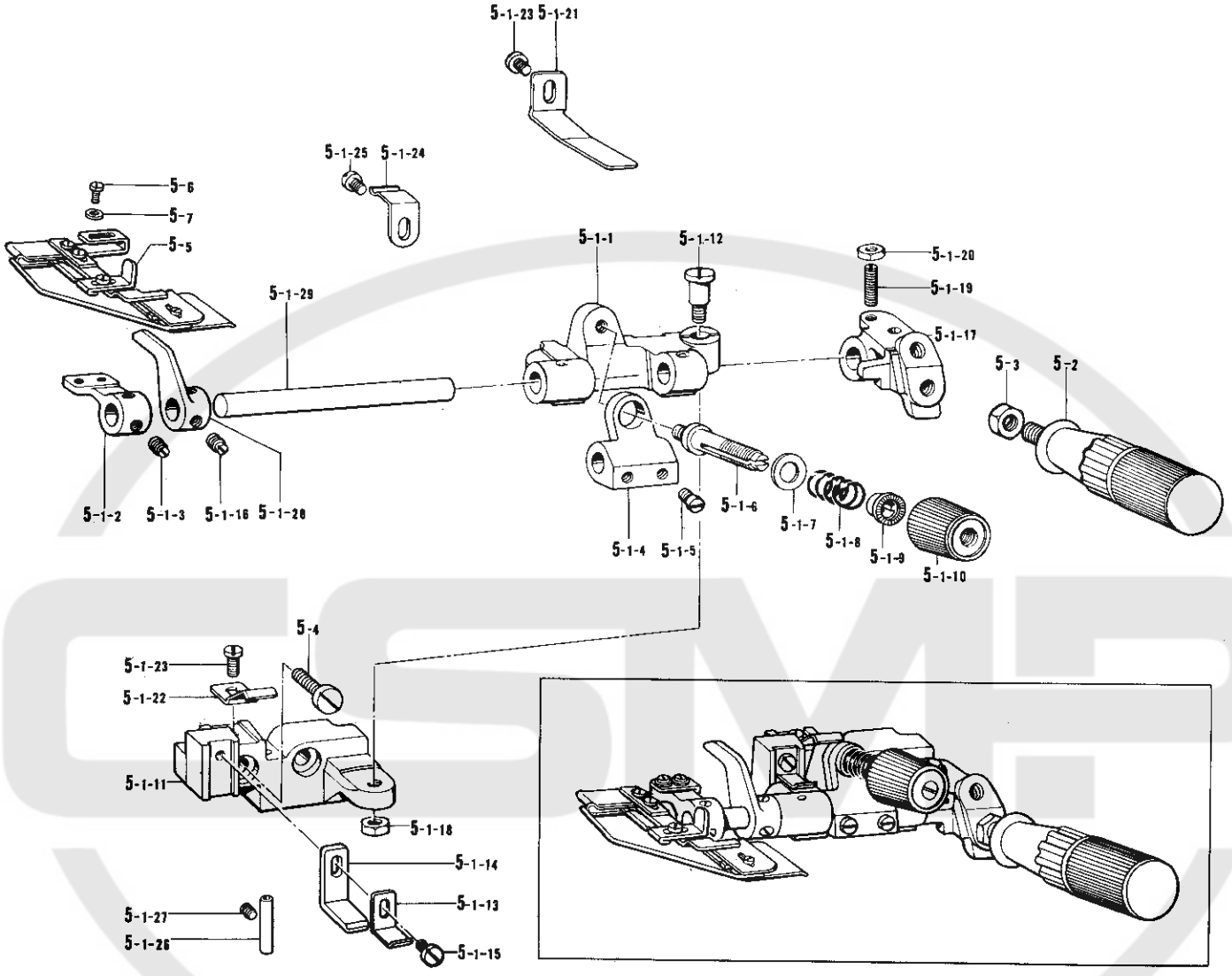
*** Differential feed adjustment assembly**
*** For semi-submerged mounting S01071-001**
*** For fully-submerged mounting S01153-001**

*** Differentialtransporteinstellung kompl.**
*** Für Montage am halbversenkten Maschinenoberteil S01071-001**
*** Für Montage am ganzversenkten Maschinenoberteil S01153-001**

*** Ensemble de réglage de l'entrainement différentiel**
*** Pour un montage semi-plongé S01071-001**
*** Pour un montage entièrement plongé S01153-001**

*** Conjunto de ajuste de transporte diferencial**
*** Para montaje semi-sumergido S01071-001**
*** Para montaje completamente sumergido S01153-001**

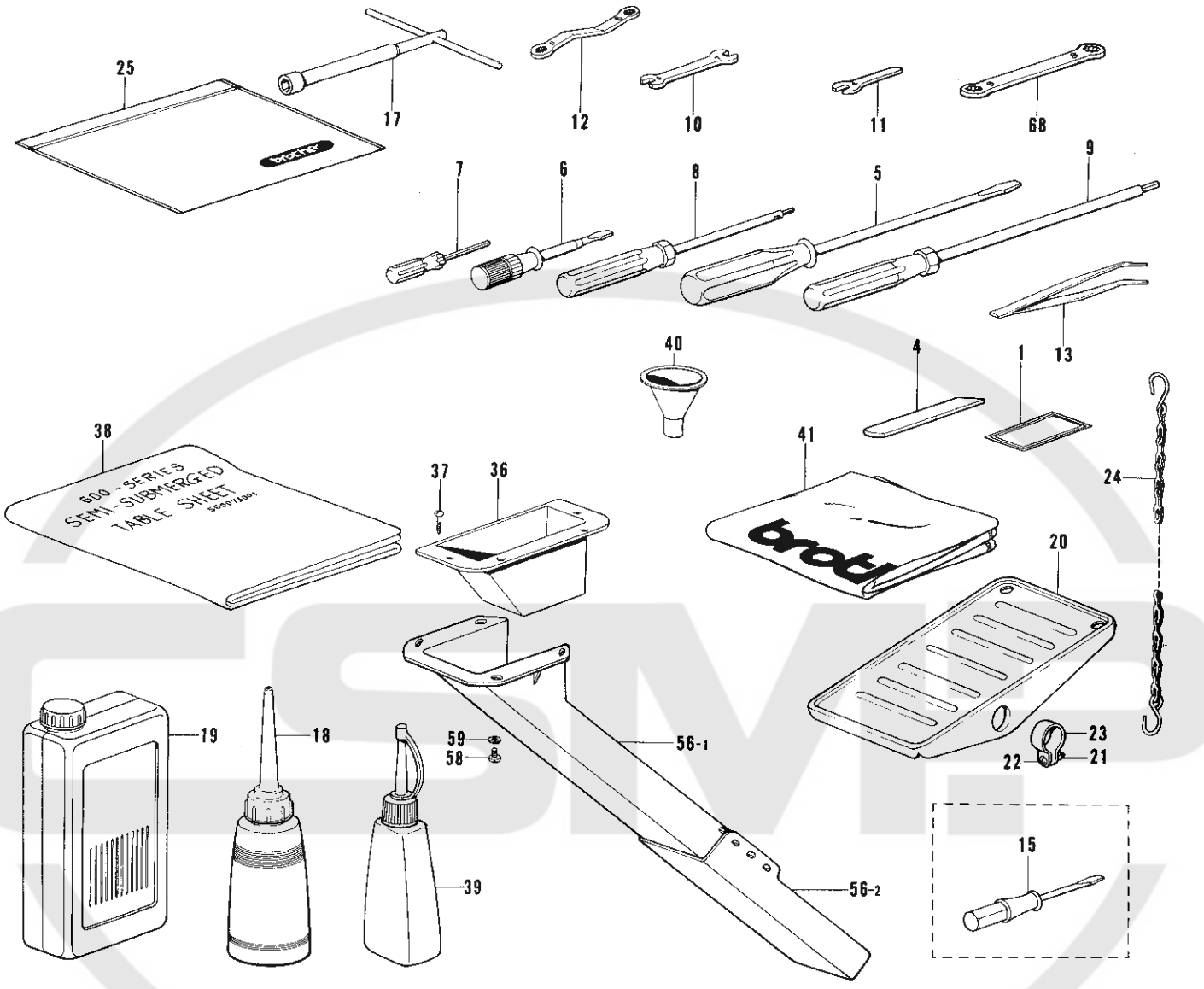
N. Shirring Attachment (3) / Kräuselvorrichtung (3)
Accessoire pour fronces (3) / Accesorio de tundido (3)



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
5-1- 1	Bracket for Ruffling Blade	1	146588-001	N-5-1 Piping Wrapper Base Assembly 149202-202
5-1- 2	Wrapper Base	1	146589-001	
5-1- 3	Screw 6.35	2	101706-001	
5-1- 4	Spring Base	1	146590-001	
5-1- 5	Screw 5.95	2	105163-001	
5-1- 6	Looper Thread Tension Control Stud	1	110820-001	
5-1- 7	Washer 6.35	1	025770-232	
5-1- 8	Spring	1	144788-001	
5-1- 9	Tension Spring Washer	1	144105-000	
5-1-10	Tension Nut	1	149566-002	
5-1-11	Ruffler Base	1		
5-1-12	Stud Screw 5.95	1	147933-001	
5-1-13	Ruffling Blade Gudie	1	145807-001	
5-1-14	Ruffling Blade Guide (D)	1	154795-001	
5-1-15	Screw 4.37 x 8	1	009680-812	
5-1-16	Screw 6.35	2	101706-001	
5-1-17	Handle Fixing Plate	1	145810-001	
5-1-18	Nut 5.95	1	150553-002	

Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
5-1-19	Screw 4.37	1	110230-001	N-5-1 Piping Wrapper Base Assembly 149202-202
5-1-20	Nut 4.37	1	105234-003	
5-1-21	Spring Plate	1	145811-001	
5-1-22	Spring Plate	1	145808-001	
5-1-23	Screw 4.37 x 6	2	009680-612	
5-1-24	Spring	1	144764-001	
5-1-25	Screw 3.57 x 5	1	001670-512	
5-1-26	Thread Guide Pipe	2	146592-001	
5-1-27	Screw 3.57	2	013679-412	
5-1-28	Ruffling Plate Lifter	1	148387-001	
5-1-29	Ruffling Blade Base Shaft	1	149203-001	
5-2	Handle	1	145809-001	N-5 Piping Parts Assembly S01170-001
5-3	Nut 6.35	1	150556-002	
5-4	Screw 6.35 x 18	2	009781-812	
5-5	Wrapper Assembly	1	S01171-001	
5-6	Screw 4.37 x 6	2	009680-612	
5-7	Washer	2	110735-002	

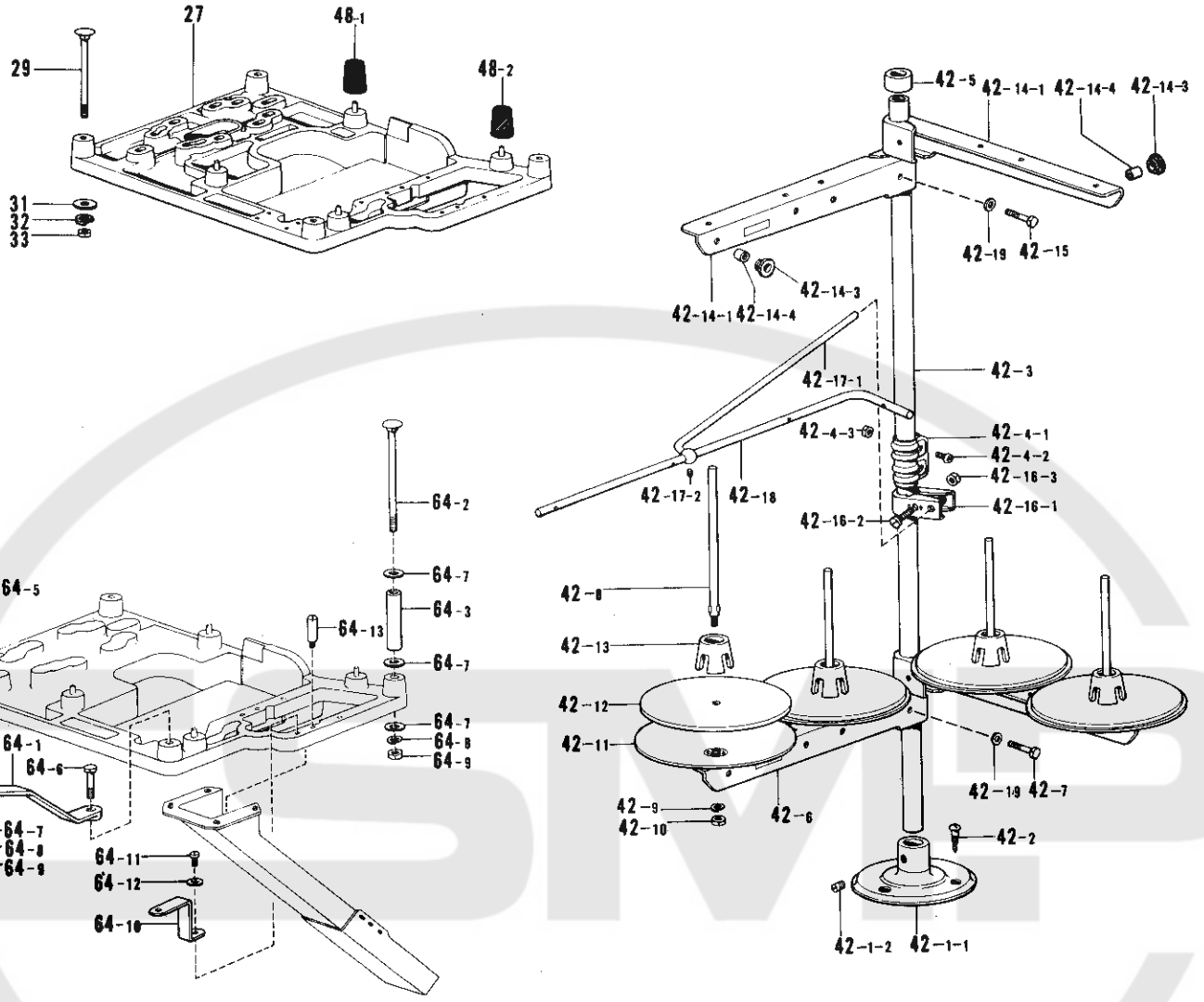
Z. Accessories (1) / Zubehör (1)
Accessoires (1) / Accesorios (1)



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
1	Needle DC x 27	8	151474-		22	Screw 4 x 14	2	001401-406	
4	Lower Knife	1	155193-001		23	Pedal Stopper	2	116016-001	
5	Screw Driver 5.5 x 190	1	101572-101		24	Chain Assembly	1	142262-001	
6	Screw Driver 3.4 x 70	1	118837-001		25	Vinyl Bag	1	122991-001	
7	Screw Driver 1.6	1	144124-001		36	Duster Drop	1	148430-001	
8	Driver Wrench 2	1	146700-001		37	Screw 3.1 x 13	4	031311-302	
9	Screw Driver 3	1	149173-001		38	Table Sheet	1	S00073-001	
10	Spanner 6 x 7	1	107779-001		39	Silicone Oil	1	156334-001	
11	Spanner 4	1	155320-001		40	Funnel	1	140759-000	
12	Wrench 8 x 9	1	105343-001		41	Head Cover	1	144225-002	
13	Tweezers	1	117466-000		56-1	Duster Shoot (L)	1	148431-101	Z-56 Duster Shoot Assembly 183161-101
15	Screw Driver 2.3 x 40	1	148925-001		56-2	Duster Shoot (S)	1	148432-001	
17	Wrench	1	140342-001		58	Screw 4.37 x 10	4	009681-012	
18	Oiler	1	114483-002		59	Washer 4.37	4	025680-232	
19	Oil Tank	1	145277-104		68	Wrench 8 x 9	1	S00217-001	
20	Treadle Pedal	1	147893-002						
21	Nut 4	2	021400-106						

※ The details of included accessories are subject to change.
※ Les détails des accessoires inclus sont sujets à des changements.
※ Änderungen in der Aufstellung der mitgelieferten Zubehöre sind vorbehalten.
※ Los detalles de los accesorios incluídos pueden variar.

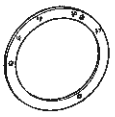
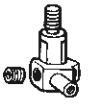
Z. Accessories (2) / Zubehör (2)
Accessoires (2) / Accesorios (2)



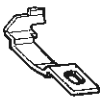
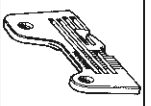
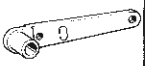
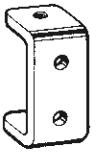
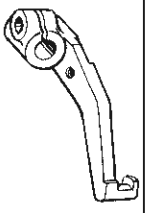
Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
27	Machine Base Plate	1	155321-100	
29	Bolt 8 x 85	4	210973-001	
31	Washer 8	4	025080-236	
32	Spring Washer 2-8	4	028080-242	
33	Nut 8	4	021080-106	
42- 1-1	Cotton Stand Base	1	150189-001	Z-42-1 Cotton Stand Base Assembly 150139-001
42- 1-2	Screw 6 x 7	2	150181-101	
42- 2	Screw 4.5 x 22	3	031452-203	
42- 3	Pipe	2	150172-001	
42- 4-1	Joint	1	150173-001	Z-42-4 Joint for Cotton Stand 150106-001
42- 4-2	Screw 5 x 14	2	150202-001	
42- 4-3	Nut 5	2	021500-103	
42- 5	Cap	1		Z-42 Cotton Stand Assembly 4THF 150161-003
42- 6	Spool Holder 2	2	150178-001	
42- 7	Bolt 5 x 28	2	017502-803	
42- 8	Spool Shaft (B)	4	150179-001	
42- 9	Spring Washer 2–5	4	028050-243	
42-10	Nut 5	4	021500-103	
42-11	Spool Stand Base	4	150180-000	
42-12	Spool Mat	4	150182-000	
42-13	Spool Cushion	4	126863-000	
42-14-1	Spool Holder 2	2	150178-001	Z-42-14 Thread Hanger Assembly 147055-003
42-14-3	Thread Hanger	4		
42-14-4	Thread Bushing	4	142990-001	

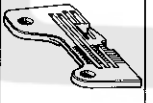
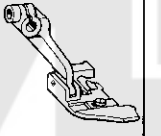
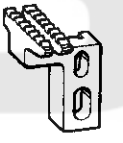
Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
42-15	Bolt 5 x 28	2	017502-803	
42-16-1	Thread Guide Holder	1	150185-001	Z-42-16 Thread Guide Holder Assembly 150145-001
42-16-2	Bolt 5 x 28	1	017502-803	
42-16-3	Nut 5	1	021500-103	
42-17-1	Thread Guide Stopper Bar	1	142996-001	Z-42-17 Thread Guide Stopper Bar 142971-001
42-17-2	Screw 4.76	1	013719-412	
42-18	Thread Guide 4	1	142998-001	
42-19	Washer 5	4	025050-233	
48- 1	Cushion	1	147919-001	
48- 2	Cushion	3	147919-002	
64- 1	Head Plate Supporter	1	153319-001	Z-64 Full-Submerged Set 155324-001 (Option Parts)
64- 2	Bolt	3	153318-001	
64- 3	Collar	3	153317-001	
64- 5	Bolt 8 x 55	1	211964-001	
64- 6	Bolt M8 x 55	1	017085-502	
64- 7	Washer 8	16	025080-236	
64- 8	Spring Washer 2–8	5	028080-242	
64- 9	Nut 8	5	021080-106	
64-10	Duster Shoot Supporter	1	155325-001	
64-11	Screw 4.37 x 10	1	009681-012	
64-12	Washer 4.37	1	025680-232	
64-13	Stud	3	155326-001	

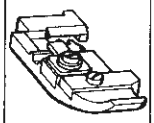
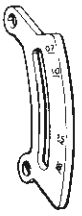
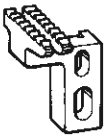
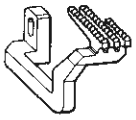
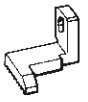
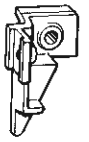
DIFFERENT PARTS LIST / ZUBEHÖRLISTE
LISTE DES PIECES ACCESSOIRES / LISTA DE PIEZAS ACCESORIAS

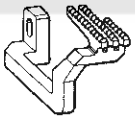
Ref. No.		A-19	A-38	A-75	A-105	B-1	C-32
Sub-Class	Specifications	Stitch Length Control Plate	Front Cover Assembly	Oil Cap	Label	Crank Shaft	Needle Clamp Assembly
							
B681 -022-5	Thin	S00095-001	154857-001	143196-001	146975-004	S00033-001 (S00072-001 Assembly No.)	154910-001
-023-5	Thin medium (Mock-Sefety)				146975-065		

Ref. No.		A-19	A-38	A-75	A-105	B-1	C-32
Sub-Class	Specifications	Stitch Length Control Plate	Front Cover Assembly	Oil Cap	Label	Crank Shaft	Needle Clamp Assembly
B682 -022-5	Thin	S00095-001	154857-001	143196-001	146975-004	S00033-001 (S00072-001 Assembly No.)	154910-001
-031-7	Heavy		154859-001		146975-017		154912-001
-032-7	Heavy (Mock-Sefety)				146975-018		
-033-5	Shirring	S01090-001	154857-001		146975-019		154910-001
-037-5	Piping				146975-021		
-041-5	Taping	S00095-001			146975-023		
-051-6	Bulky Knit	S01089-001		143196-001	146975-081	S00032-001 (S00071-001 Assembly No.)	159880-001
-057-6 -7	Bulky				146975-093 146975-090		

Ref. No.	C-33	C-45	C-55	D-5	E-13	E-16	E-38	E-39	E-40
Sub-Class	Needle DC x 27	Chain Stitch Needle Guard (F) 	Needle Plate Assembly 	Spacer	Presser Foot Lefter Lever 	Lever Adjust Plate 	Sub-Presser Arm 	Bolt 3.57 x 8	Presser Stopper
B681 -022-5	151474-011	146777-001	S00241-001	154937-001	S00125-001	S00126-001	S00129-001	154965-001	S00132-001
-023-5									

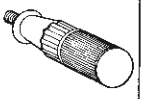
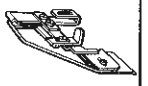
Ref. No.	C-33	C-45	C-55	D-5	E-13	E-16	E-50	F-55	F-77
Sub-Class	Needle DC x 27	Chain Stitch Needle Guard (F)	Needle Plate Assembly 	Spacer	Presser Foot Lefter Lever	Lever Adjust Plate	Presser Foot Assembly 	Differential Stitch Control Plate	Main Feed Dog 
B682 -022-5	151474-011	146777-001	S00283-001	154937-001	S00125-001	S00126-001	S00243-001	S00148-001	146744-001
-023-5	151474-018	146778-001	S01148-001	154938-001			S01132-001		S01149-001
-033-5	151474-011	146777-001	S01150-001	154937-001	N-6-6 S01074-001	N-6-7 S01075-001	S01134-001	155174-001	S01145-001
-037-5							S01135-001		
-041-5					S00125-001	S00126-001	S01136-001	S00148-001	
-043-5	151474-014		156009-001				S00243-001	155173-001	146745-001
-045-5			S01190-001						159876-001
-047-5			159875-001						

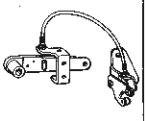
Ref. No.	E-41	E-50	F-55	F-77	F-78	F-79	G-27	G-101	H-9
Sub-Class	Screw 3.18 x 4.5	Presser Foot Assembly 	Differential Stitch Control Plate 	Main Feed Dog 	Differential Feed Dog 	Chain Feed Dog	Upper Feed Regulator Plate	Upper Feed Dog 	Upper Knife Holder 
B681 -022-5	009669-412	S00272-001	S00148-001	S00145-001	156036-001	S00147-001	S00168-001	S00209-001	155189-001
-023-5									155187-001

Ref. No.	F-78	F-79	G-27	G-101	H-9	H-10	H-11	H-12	H-13
Sub-Class	Differential Feed Dog 	Chain Feed Dog	Upper Feed Regulator Plater						
B682 -022-5	S00281-001			S00240-001	155189-001	009681-612	148343-001	148344-001	148815-001
-031-5	S01141-001	146577-001	S00239-001	S01133-001	155187-001	107407-003			144074-000
-033-5	S01146-001		S01094-001	S01129-001					
-037-5	S01147-001			S01131-001					
-041-5			S00239-001	S01137-001					
-051-5	156037-001	146578-001	S01093-001	S00240-001					
-057-5	159877-001								

Ref. No.	H-10	H-11	H-12	H-13	H-14	J-12	K-13	M-6	Z-1
Sub-Class	Screw 4.37	Upper Knife Presser	Presser Plate	Upper Knife	Bolt 3.57 Screw 3.57	Over Looper	Under Looper	Spring	Needle DC x 27
B681 -022-5	009681-612	148343-001	148344-001	148815-001	113050-001	155240-001	159434-001	144104-001	151474-011
-023-5	107407-003			144074-000	144075-001	155242-001			

Ref. No.	H-14	J-12	K-13	M-6	N-2-1	N-2-2	N-2-3	N-2-4	N-3-1
Sub-Class	Bolt 3.57 Screw 3.57	Over Looper	Under Looper	Spring	Shirring Attachment Assembly	Screw 6.35 x 18	Handle	Nut 6.35	Differential Feed Adjustment Assembly
B682 -022-5	113050-001	155240-001	159434-001	144104-001	S01069-001	009781-812	145809-001	150556-002	S01071-001
-031-7	144075-001	155243-101		148851-001					
-033-5		155240-001		144104-001					
-037-5									
-041-5									
-051-4		159883-001	159885-001						
-053-2									

Ref. No.	N-3-2	N-3-3	N-3-4	P-5-1	P-5-2	P-5-3	P-5-4	P-5-5
Sub-Class	Connecting Bar	Stud Screw 4.76	Screw 4.37 x 10	Piping Wrapper Base Assembly	Handle 	Nut 6.35	Screw 6.35 x 18	Wrapper Assembly 
B-682-022-5								
-031-7								
-032-7								
-033-5	155205-001	146594-001	009681-012					
-037-5				149202-202	145809-001	150556-002	009781-812	S01171-001
-041-5								
-051-6								
-057-6/7								

Ref. No.	P-5-6	P-5-7	P-6	Z-1				
Sub-Class	Screw 4.37 x 6	Washer	Shirring Interlocking Assembly 	Needle DC x 27				
B-682-022-5				151474-011				
-031-7				151474-018				
-032-7								
-033-5			S01073-002	151474-011				
-037-5	009680-612	110735-002						
-041-5								
-051-6				151474-014				
-057-6/7								

INDEX / VERZEICHNIS
INDEX / INDICE

Parts No.	Ref. No.	Remark
S00002-001	A- 2	
S00004-000	A- 3	
S00007-000	A- 6	
S00008-001	A- 8	
S00010-000	A-16	
S00016-001	A-29	
S00017-001	A-49	
S00019-001	A-86	
S00021-000	A-87	
S00022-001	A-91	
S00032-001	B- 1	
S00033-001	B- 1	
S00034-001	B-19	
S00037-001	C- 1	
S00038-001	C- 1- 5	
S00041-000	C- 5	
S00042-000	C- 8	
S00046-001	C-27	
S00047-001	C-28	
S00048-001	C-30	
S00049-001	C-22	
S00050-001	E- 1	
S00051-001	E- 2	
	G-91	
S00052-001	E- 3	
S00054-001	E- 8	
S00055-001	E- 9	
S00057-001	L- 2	
S00065-001	L-47	
S00067-001	L-52	
S00071-001	B- 1	
S00072-001	B- 1	
S00073-001	Z-38	
S00075-000	A-107	
S00076-001	A-110	
S00077-000	A-113	
S00082-001	N- 6- 1	
S00083-001	N- 6- 1- 3	
S00092-001	A- 5	
S00093-001	A-12	
S00094-000	A-13	
S00095-001	A-19- 1	
S00098-001	A-27	
S00099-100	A-28	
S00101-001	A-48	
S00103-001	A-63	
S00104-001	A-69	
S00105-101	A-70	
S00108-001	A-73	
S00121-001	C- 3	
S00122-001	C-24	
S00125-001	E-13	
S00126-001	E-16	
S00127-000	E-27	
S00128-001	E-33	
S00129-001	E-38	
S00132-001	E-40	
S00133-001	F- 1	
S00140-001	F-12	
S00141-000	F-15	
S00142-001	F-30	
S00143-001	F-32	
S00144-001	F-37	
S00145-001	F-77- 1	
S00146-000	A-77	
S00147-001	F-79- 1	
S00148-001	F-55- 1	
S00153-001	F-65	
S00154-001	G- 1	
S00155-000	G- 3	

Parts No.	Ref. No.	Remark
S00156-000	G- 4	
S00157-001	G- 5	
S00158-001	G-10	
S00162-001	G-11	
S00163-001	G-13	
S00164-001	G-16	
S00165-001	G-18	
S00166-000	G-19	
S00167-001	G-23	
S00168-001	G-27- 1	
S00169-001	G-28	
S00170-001	G-33	
S00171-001	G-35	
S00172-001	G-36	
S00173-001	G-39	
S00174-001	G-40	
S00175-001	G-41	
S00176-001	G-43	
S00177-001	G-45	
S00178-001	G-47	
S00179-000	G-49	
S00180-000	G-50	
S00181-001	G-52	
S00182-001	G-53	
S00183-000	G-55	
S00184-001	G-56	
S00185-001	G-58	
S00186-001	G-60	
S00187-001	G-63	
S00188-001	G-64	
S00189-001	G-69	
S00190-000	G-70	
S00191-000	G-72	
S00192-001	G-74	
S00193-001	G-76	
S00194-001	G-78	
S00195-001	G-79	
S00196-001	G-80	
S00197-001	G-81	
S00198-001	G-83	
S00199-001	G-85	
S00200-001	G-85- 1	
S00201-001	G-85- 2	
S00202-001	G-86	
S00203-001	G-87	
S00204-001	G-89	
S00205-001	G-90	
S00207-000	G-92	
S00208-001	G-100	
S00209-001	G-101- 1	
S00210-000	H- 7	
S00211-001	L-10	
S00213-000	L-61	
S00215-001	M-11	
S00217-001	Z-68	
S00238-001	E-50- 2- 4	
	E-50- 4- 4	
	E-50- 5- 4	
	E-50- 6- 4	
S00239-001	G-27- 2	
S00240-001	G-101- 2	
S00241-001	C-55- 1	
S00243-001	E-50- 2	
S00272-001	E-50- 1	
S00274-001	H- 3	

Parts No.	Ref. No.	Remark
S00275-001	E-22	
S00276-001	E-20	
S00278-000	L-87	
S00281-001	F-78- 4	
S00283-001	C-55- 2	
S00284-001	A-15	
S00285-000	B- 7	
S00287-000	B- 8	
S00290-000	B- 9	
S00297-001	B-10	
S00305-000	L-62	
S00313-000	G- 8	
S00322-001	L-80	
S00333-000	A-71	
S00334-000	A-30	
S00341-001	E-50- 3- 5	
S00356-001	J-20	
	K-16	
S00373-001	F-20	
S00379-000	J- 8	
S00383-001	J-21	
	K-17	
S00389-000	C-31	
S01057-001	N- 2- 1-10	
S01068-002	N- 2	
S01069-002	N- 2- 1	
S01071-001	N- 3- 1	
S01072-001	N- 3- 1- 2	
S01073-002	N- 6	
S01074-001	N- 6- 6	
S01075-001	N- 6- 7	
S01080-001	E-28	
S01081-001	E-29	
S01082-001	E- 6	
S01083-001	E-43	
S01084-001	E-44	
S01086-001	E-46	
S01089-001	A-19- 2	
S01090-001	A-19- 3	
S01093-001	G-27- 3	
S01094-001	G-27- 4	
S01129-001	G-101- 3	
S01131-001	G-101- 4	
S01132-001	E-50- 3	
S01133-001	G-101- 5	
S01134-001	E-50- 4	
S01135-001	E-50- 5	
S01136-001	E-50- 6	
S01137-001	G-101- 6	
S01141-001	F-78- 3	
S01145-001	F-77- 4	
S01146-001	F-78- 2	
S01147-001	F-78- 6	
S01148-001	C-55- 3	
S01149-001	F-77- 5	
S01150-001	C-55- 7	
S01168-001	N- 3	
S01170-001	N- 5	
S01171-001	N- 5- 5	
S01190-001	C-55- 6	
001401-406	Z-22	
001670-512	A-52	
	A-54	
	G-48	

Parts No.	Ref. No.	Remark
001670-512	N- 2- 1-28	
	N- 5- 1-25	
001670-612		
	M-14	
	M-17	
001680-512	C-39	
	C-41	
007670-513	A-62	
007681-012	A-114	
009630-812	F-76	
009639-312	E-50- 1- 7	
009660-512	A-108	
009660-612	J-13	
009660-712	N- 2- 1-12	
009669-312	E-45	
	E-47	
009669-412	E-41	
009670-412	A-38- 1- 8	
	A-38- 2- 8	
009670-512	G-12	
	L-38	
009670-612	A-41	
	A-59	
	C-46	
	F-10	
	G-54	
	G-57	
	H-25	
	L- 2- 9	
	L-16	
	L-60	
	L-70	
	M-12	
	M-23	
	M-25	
	M-27	
	M-29	
	M-31	
	M-33	
	N- 6- 5	
009670-812	A-37	
	B- 5	
	C-26	
	C-44	
	F-19	
009671-012	A-115	
	D-12	
009671-412	A-60	
009671-812	A-72	
009680-512	A-39	
009680-612	A-92	
	N- 2- 1-26	
	N- 5- 1-23	
	N- 5- 6	
009680-712	A- 7	
	A-32	
	C-29	
	E-17	
	F-28	
	G-75	
009680-812	J-11	
	N- 2- 1-17	
	N- 5- 1-15	
009681-012	A-18	
	B-18	
	N- 3- 4	
	Z-58	
	Z-64-11	
009681-212	A- 4	
	L- 3	

Parts No.	Ref. No.	Remark
009761-212	G-44	
009681-612	H-10- 2	
009781-812	N- 2- 2	
	N- 5- 4	
013679-412	N- 2- 1-30	
	N- 5- 1-27	
013719-412	B-24	
	Z-42-17- 2	
013760-612	A-76	
014680-422	C- 7	
	F- 1- 3	
	F- 2	
	G-10- 4	
	G-21	
	G-46	
	G-62	
	J- 9- 1- 3	
	K-14	
014680-622	F-66	
	L- 2- 7	
014770-622	F- 1-12- 4	
	F-13	
	F-29- 2	
	G- 2	
014780-622	A-94	
	F-26	
	N- 3- 1- 6	
017085-502	Z-64- 6	
017502-803	Z-42- 7	
	Z-42-15	
	Z-42-16- 2	
017771-412	B-23	
	G-14	
	G-67	
017771-612	A-88	
	C-24- 2	
	G-59	
017781-012	N- 3- 1- 4	
	N- 3- 1-10	
	N- 3- 1-13	
017781-412	F-58	
	G-30	
017782-512	C-37	
021080-106	Z-33	
	Z-64- 9	
021400-106	Z-21	
021500-103	Z-42- 4- 3	
	Z-42-10	
	Z-42-16- 3	
021670-202	A-61	
025030-132	A-109	
	E-50- 1- 3	
025050-233	Z-42-19	
025080-236	Z-31	
	Z-64- 7	
025660-132	E-48	
025680-232	Z-59	
	Z-64-12	
025770-232	N- 2- 1- 6	
	N- 5- 1- 7	
028050-243	Z-42- 9	
028080-242	Z-32	
	Z-64- 8	
031311-302	Z-37	
031452-203	Z-42- 2	
047140-642	A-38- 1- 5	
	A-38- 2- 5	
047201-640	D-11- 2	
048040-342	F- 8	

Parts No.	Ref. No.	Remark
048040-342	G-82	
081008-070	L- 2-10	
081016-070	L-53	
081022-070	L-28	
100032-003	A-50	
	C-49	
100080-004	E-50- 1- 4	
100257-010	D- 4	
100260-001	C- 4	
100294-002	F-52	
	G-24	
100366-001	C- 1- 4	
	H- 1- 4	
100463-001	N- 3- 1- 8	
100645-003	F-22	
101572-101	Z- 5	
101706-001	A-47- 2	
	F-69- 2	
	N- 2- 1-19	
	N- 5- 1- 3	
	N- 5- 1-16	
102538-002	L-30	
102627-001	H-19	
104449-001	G-15	
	G-68	
104450-001	A-64	
105163-001	N- 2- 1- 4	
	N- 5- 1- 5	
105176-001	F-68	
105234-003	A-68	
	N- 2- 1-23	
	N- 5- 1-20	
105288-001	A-20	
	M-21	
105343-001	Z-12	
106568-003	F-63	
	J-17	
107231-002	E-35	
107407-003	A-14	
	F-23	
	F-64	
	H-10- 1	
107779-001	Z-10	
108549-001	L-39	
108960-002	A-74	
109153-001	G-61	
109203-001	A- 9	
	F-53	
	G-25	
	L-57	
110161-006	E-19	
110230-001	N- 2- 1-22	
	N- 5- 1-19	
110641-002	L-56	
110735-002	N- 5- 7	
110793-001	E-21	
	G-84	
110813-001	M-10	
110820-001	N- 2- 1- 5	
	N- 5- 1- 6	
110832-001	M- 3	
111486-001	C-42	
112301-001	N- 6- 1- 5	
112348-001	L- 9	
	L-12	
	L-20	
	L-23	
	L-31	
	L-82	
	L-85	

Parts No.	Ref. No.	Remark
112351-001	L- 8	
	L-25	
112359-001	L-81	
	L-84	
112364-001	L-11	
	L-19	
	L-22	
112525-000	L-58	
112750-000	L-64	
113431-002	F- 7	
	F-35	
	G-65	
114483-002	Z-18	
116016-001	Z-23	
117160-001	A-43	
117466-000	Z-13	
117516-001	F-75	
	H-22	
118735-002	F-57	
	G-29	
118770-001	F- 6	A-78
118837-001	Z- 6	
122991-001	Z-25	
123185-001	A-45	
126863-000	Z-42-13	
140063-001	F-54	
	G-26	
140065-001	G-71	
140066-001	A-81	
140077-001	A-90	
140092-001	C- 6	
140210-001	F-38	
140217-001	F-43	
140262-000	E-26	
140317-000	L-66	
140320-000	L-63	
140327-001	L-47- 2	
140342-001	Z-17	
140361-001	A-82	
140417-000	L-67	
140430-001	L-68	
140759-000	Z-40	
141183-000	A-46	
141514-001	N- 6- 1- 2	
	N- 6- 3	
141542-001	E-37	
141598-001	E- 7	
142243-000	E-50- 2- 3	
	E-50- 4- 3	
	E-50- 5- 3	
	E-50- 6- 3	
142247-001	E-50- 2- 5	
	E-50- 4- 5	
	E-50- 5- 5	
	E-50- 6- 5	
142262-001	Z-24	
142274-001	A-79	
142971-001	Z-42-17	
142990-001	Z-42-14- 4	
142996-001	Z-42-17- 1	
142998-001	Z-42-18	
143196-001	A-75	
143325-001	E-15	
143766-001	A-34	
144074-000	H-13- 1	
144075-001	H-14- 1	

Parts No.	Ref. No.	Remark
144081-001	E- 4	
144088-001	E-34	
144103-003	M- 5	
144104-001	M- 6	
144105-000	M- 8	
	N- 2- 1- 8	
	N- 5- 1- 9	
144110-001	M- 7	
144124-001	Z- 7	
144225-002	Z-41	
144764-001	N- 2- 1-27	
	N- 5- 1-24	
144784-001	N- 2- 1-11	
144788-001	N- 2- 1- 7	
	N- 5- 1- 8	
145277-104	Z-19	
145446-001	M- 4	
145803-001	N- 2- 1- 2	
145807-001	N- 2- 1-15	
	N- 5- 1-13	
145808-001	N- 2- 1-25	
	N- 5- 1-22	
145809-001	N- 2- 3	
	N- 5- 2	
145810-001	N- 2- 1-20	
	N- 5- 1-17	
145811-001	N- 2- 1-24	
	N- 5- 1-21	
146315-000	A-80	
	A-84	
146354-001	E-10	
146427-001	C-32- 1- 2	
	C-32- 3- 2	
	C-32- 4- 2	
	G-38	
	G-88	
146442-001	A-38- 1- 4	
	A-38- 2- 4	
146450-001	A-53	
146452-001	A-56	
146453-001	A-57	
146454-001	A-58	
146494-001	C-38	
146495-001	C-40	
146536-001	F- 9	
146547-000	F-24	
146559-001	F-49	
	G-22	
146563-001	F-56	
146577-001	F-79- 2	
146578-001	F-79- 3	
146584-001	H-23	
146588-001	N- 2- 1- 1	
	N- 5- 1- 1	
146589-001	N- 5- 1- 2	
146590-001	N- 2- 1- 3	
	N- 5- 1- 4	
146592-001	N- 2- 1-29	
	N- 5- 1-26	
146594-001	N- 3- 3	
146597-101	A-111	
146598-001	A-112	
146654-001	M-30	
146700-001	Z- 8	
146740-000	D- 3- 3	
146744-001	F-77- 2	
146745-001	F-77- 3	
146777-001	C-45- 1	
146778-001	C-45- 2	
146887-001	E-50- 1- 5	

Parts No.	Ref. No.	Remark
146888-001	E-50- 1- 6	
146903-001	E-50- 1- 2	
146924-000	A-42- 2	
146926-002	M-24	
146926-003	M-22	
146975-004	A-105	
146975-017	A-105	
146975-018	A-105	
146975-019	A-105	
146975-021	A-105	
146975-023	A-105	
146975-081	A-105	
146975-090	A-105	
146975-093	A-105	
147055-003	Z-42-14	
147362-000	L-65	
147672-001	N- 6- 4	
147738-000	D- 3- 4	
147893-002	Z-20	
147919-001	Z-48- 1	
147919-002	Z-48- 2	
147933-001	N- 2- 1-14	
	N- 5- 1-12	
147942-001	D-10	
148015-001	E-50- 3- 2	
	E-50- 3- 6	
148016-001	E-50- 3- 3	
148085-001	A-85	
148259-001	E-36	
148281-001	H- 8	
148294-001	B-25	
	G-37	
	G-42	
	L-54	
148343-001	H-11	
148344-001	H-12	
148355-001	C-55- 1- 3	
	C-55- 2- 3	
	C-55- 4- 3	
	C-55- 7- 3	
148372-001	E-14	
148387-001	N- 2- 1-18	
	N- 5- 1-28	
148388-001	N- 6- 1- 1	
148390-001	N- 6- 1- 4	
148391-001	N- 6- 2	
148425-001	B-10- 2	
	C- 1- 2	
	H- 1- 2	
	J- 1- 2	
	J- 9- 2- 3	
	K- 1- 2	
148430-001	Z-36	
148431-101	Z-56- 1	
148432-001	Z-56- 2	
148782-001	K-12	
148797-001	N- 3- 1- 5	
148798-001	N- 3- 1- 7	
148838-001	F-36	
	G-66	
148851-001	M- 6- 2	
148925-001	Z-15	
149170-001	C- 1- 5- 2	
	E-23	
	F- 1-12-2-2	
	F-31	
	F-39- 1- 2	
	G-10- 5	
	G-34	
149170-001	G-77	
	H- 1- 5- 2	
	J- 9- 1- 5	
149171-001	K-11	
149173-001	Z- 9	
149202-202	N- 5- 1	
149203-001	N- 5- 1-29	
149566-002	M- 9- 1- 1	
	M- 9- 2- 1	
	M- 9- 3- 1	
	M- 9- 4- 1	
	N- 2- 1- 9	
	N- 5- 1-10	
150106-001	Z-42- 4	
150139-001	Z-42- 1	
150145-001	Z-42-16	
150161-003	Z-42	
150172-001	Z-42- 3	
150178-001	Z-42- 6	
	Z-42-14- 1	
150179-001	Z-42- 8	
150180-000	Z-42-11	
150181-101	Z-42- 1- 2	
150182-000	Z-42-12	
150185-001	Z-42-16- 1	
150189-001	Z-42- 1- 1	
150202-001	Z-42- 4- 2	
150553-002	N- 2- 1-21	
	N- 5- 1-18	
150556-002	N- 2- 4	
	N- 5- 3	
150756-000	G- 7	
151474-011	C-33	
	Z- 1	
151474-014	Z- 1	
151474-018	C-33	
	Z- 1	
151626-001	G-51	
152194-001	A-38- 1- 7	
	A-38- 2- 7	
152718-001	G- 6	
	H- 4- 2	
152936-001	L-59	
153317-001	Z-64- 3	
153318-001	Z-64- 2	
153319-001	Z-64- 1	
153483-001	E-18	
153675-001	E-32	
154795-001	N- 2- 1-16	
	N- 5- 1-14	
154819-000	A-35	
154820-000	A-36	
154821-001	A-40	
154823-001	A-42	
154829-001	A-44	
154832-001	A-51	
154833-001	A-55	
154835-001	A-67	
154841-001	A-83	
	G-73	
154849-001	A-102	
154854-001	A-38- 1- 2	
	A-38- 2- 2	
154855-000	A-38- 1- 3	
	A-38- 2- 3	
154856-000	A-38- 1- 6	
	A-38- 2- 6	
154857-001	A-38- 1	
154859-001	A-38- 2	
154868-001	B- 3	
154869-000	B- 4	
154875-001	B-11	
154876-001	B-12	
154877-001	B-13	
154878-001	B-14	
154879-000	B-15	
154880-001	B-16	
154881-000	B-17	
154885-001	B-20	
154886-001	B-21	
154887-001	B-22	
154901-001	C-21	
154910-001	C-32- 1	
154912-001	C-32- 3	
154922-001	C-35	
154923-001	C-36	
154930-001	D- 3	
154931-000	D- 3- 1	
154932-000	D- 3- 2	
154937-001	D- 5- 1	
154938-001	D- 5- 2	
154939-000	D- 6	
154940-000	D- 7	
154941-000	D- 8	
154943-001	D-11	
154945-001	D-11- 3	
154957-001	E-24	
154961-001	E-30	
154962-001	E-31	
154965-001	E-39	
	E-50- 2- 6	
	E-50- 3- 7	
	E-50- 4- 6	
	E-50- 5- 6	
	E-50- 6- 6	
155132-001	F- 1-10	
155133-001	F- 1-11	
155138-001	F- 4	
155139-001	F- 5	
155141-000	F-14	
155143-000	F-16	
155144-001	F-17	
155145-000	F-18	
155151-000	F-21	
155152-001	F-25	
155153-000	F-27	
155156-001	F-33	
155157-001	F-34	
	F-42	
155159-001	F-39	
155162-001	F-39- 1- 3	
	J- 9- 1- 6	
155164-001	F-40	
155165-001	F-41	
155166-001	F-44	
155167-001	F-45	
	G-17	
155168-001	F-46	
155169-001	F-48	
155170-000	F-50	
155171-001	F-51	
155173-001	F-55- 2	
155174-001	F-55- 3	
155175-001	F-59	
	G-31	
155176-001	F-60	
	G-32	
155177-000	F-61	
155178-001	F-62	
155180-001	F-67	
155181-001	H- 1	
155186-000	H- 6	
155187-001	H- 9- 1	
155191-001	H-15	
155193-001	H-20	
	Z- 4	
155194-001	H-21	
155195-001	H-24	
155197-001	N- 3- 1- 1	
155199-001	N- 3- 1- 3	
155201-001	N- 3- 1- 9	
155202-001	N- 3- 1-11	
155203-101	N- 3- 1-12	
155205-001	N- 3- 2	
155225-001	J- 1	
	K- 1	
155228-001	J- 3	
155229-000	J- 5	
155231-001	J- 9	
155238-000	J-10	
155240-001	J-12- 1	
155242-001	J-12- 2	
155243-101	J-12- 3	
155244-001	K- 3	
155245-000	K- 5	
155246-000	K- 8	
155247-000	J-14	
	K- 9	
155248-001	K-10	
155282-001	L-21	
155283-000	D- 9	
155284-001	L-24	
155286-101	L-26	
155290-000	L-27	
155291-001	L-29	
155292-001	L-13	
155294-000	L-36	
155295-001	L-37	
155305-101	M-13	
155306-001	M-15	
155307-101	M-18	
155308-101	M-19	
155310-001	M-20	
155311-001	M-26	
155312-001	M-28	
155313-001	M-32	
155320-001	Z-11	
155321-100	Z-27	
155325-001	Z-64-10	
155326-001	Z-64-13	
155340-001	A-104	
155348-000	F-11	
155516-001	F-47	
	J- 2	
	K- 2	
155520-000	A-15- 2	
155533-001	G-20	
155552-001	L-69	
155560-001	F-70	
155696-001	M- 9- 1	
155696-002	M- 9- 2	
155696-003	M- 9- 3	
155696-004	M- 9- 4	
155697-001	M- 9- 1- 2	
155697-002	M- 9- 2- 2	
155697-003	M- 9- 3- 2	
155697-004	M- 9- 4- 2	

Parts No.	Ref. No.	Remark	Parts No.	Ref. No.	Remark	Parts No.	Ref. No.	Remark	Parts No.	Ref. No.	Remark
155993-001	C-55- 1- 1										
	C-55- 2- 1										
156009-001	C-55- 4										
156014-001	C-55- 4- 1										
	C-55- 7- 1										
156036-001	F-78- 1										
156037-001	F-78- 5										
156318-001	H- 1- 5										
156334-001	Z-39										
156426-000	L- 2- 3										
156427-001	L- 2- 4										
156428-000	L- 2- 6										
156429-001	L- 2- 5										
156430-001	L- 2- 8										
156432-001	L- 1										
156469-001	L- 7										
156476-000	J-15										
156491-001	J-16										
156809-001	F-29										
156897-001	L-83										
158433-001	C-43										
159434-001	K-13- 1										
159441-001	H- 4										
159476-000	A-89										
159574-001	M- 1										
159638-001	C-23										
159875-001	C-55- 5										
159876-001	F-77- 6										
159877-001	F-78- 7										
159880-001	C-32- 4										
159883-001	J-12- 4										
181969-003	A-47										
	F-69										
183161-101	Z-56										
210973-001	Z-29										
211964-001	Z-64- 5										
S00371-000	F-20- 2- 1										
S00372-000	F-20- 2- 2										
001670-712	A-65										
105161-003	A-66										
113050-001	H-14- 2										
146427-001	C-25										
148815-001	H-13- 2										
150173-001	Z-42- 4- 1										
155324-001	Z-64										
155489-001	H- 9- 2										
159885-001	K-13- 2										

CSMP

118-681
195681-102
1983, 8

BROTHER INDUSTRIES, LTD. NAGOYA, JAPAN

Printed in Japan/Gebruckt in Japan/Imprimé au Japon/Impreso en Japón