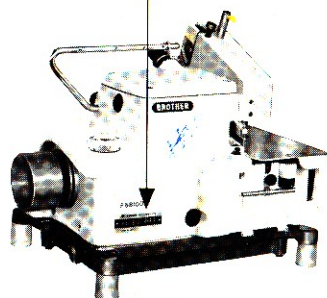
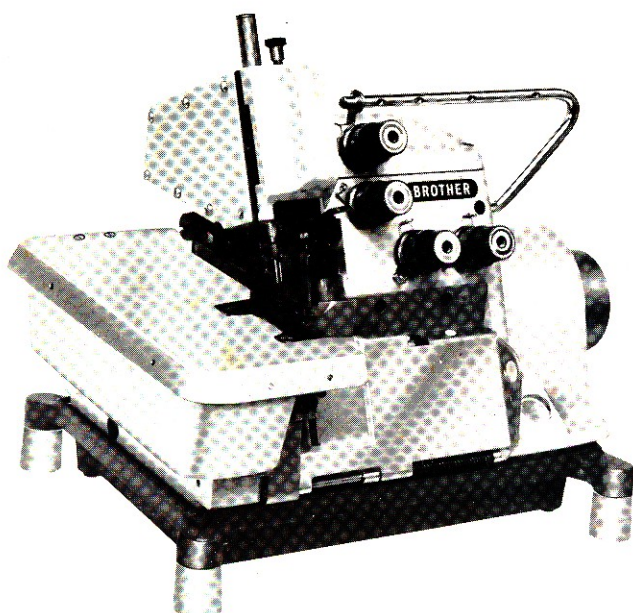


PARTS BOOK

FOR

BROTHER MA4-B581

P581202

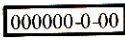


Safety Stitch Sewing Machine

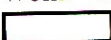
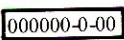
**EDIÇÃO
02**

BROTHER INDUSTRIES, LTD.
NAGOYA, JAPAN

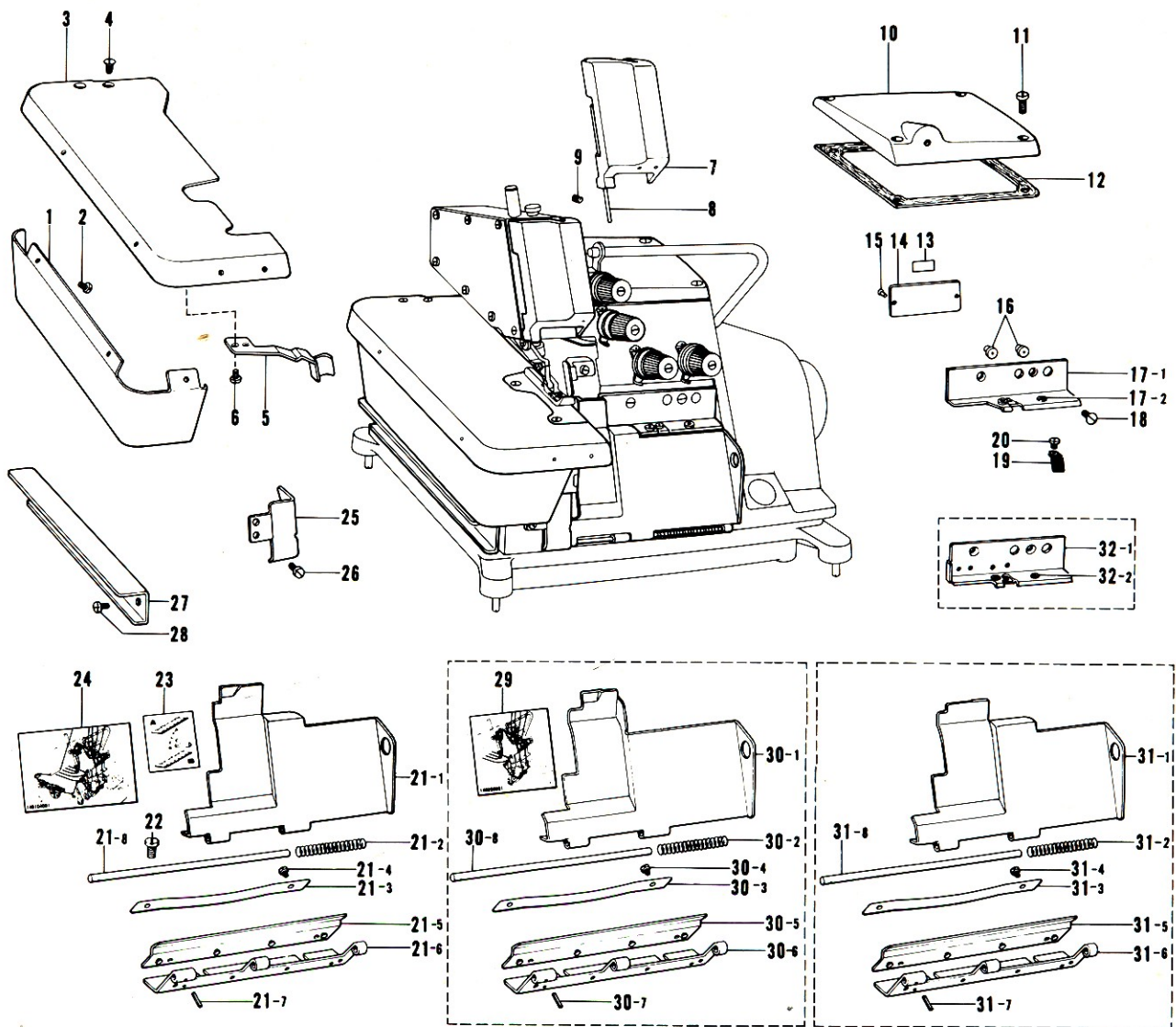
Notes for using this parts book

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 July, 1979.
5. Parts are subject to changes in design without prior notice.

Anmerkungen zum Gebrauch dieses Stücklistebuches

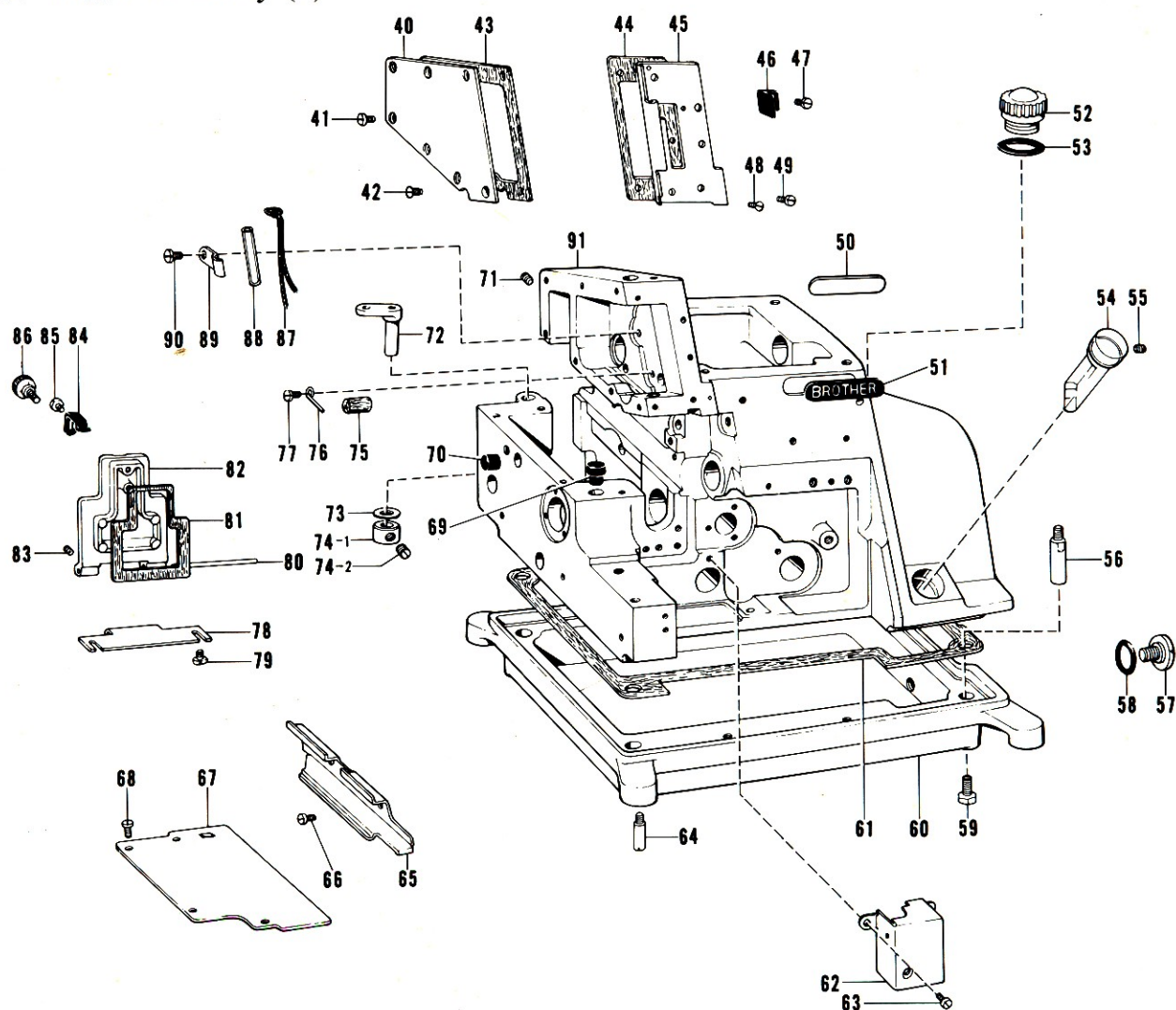
1. Dieses Buch bezieht sich auf die Nähmaschinen mit derselben Kennungsnummer wie auf diesem Buchumschlag (oder auf dem Korrekturblatt).
2. Wenn in der Stücknummer oder Gerätesatznummer Spalte das Zeichen  oder  steht, schlagen Sie bitte bei der gesonderte Stückliste (Seite 19) nach.
3. Dieses Zeichen  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 Juli 1979.
5. Modelländerungen sind vorbehalten.

A. Machine Body (1)



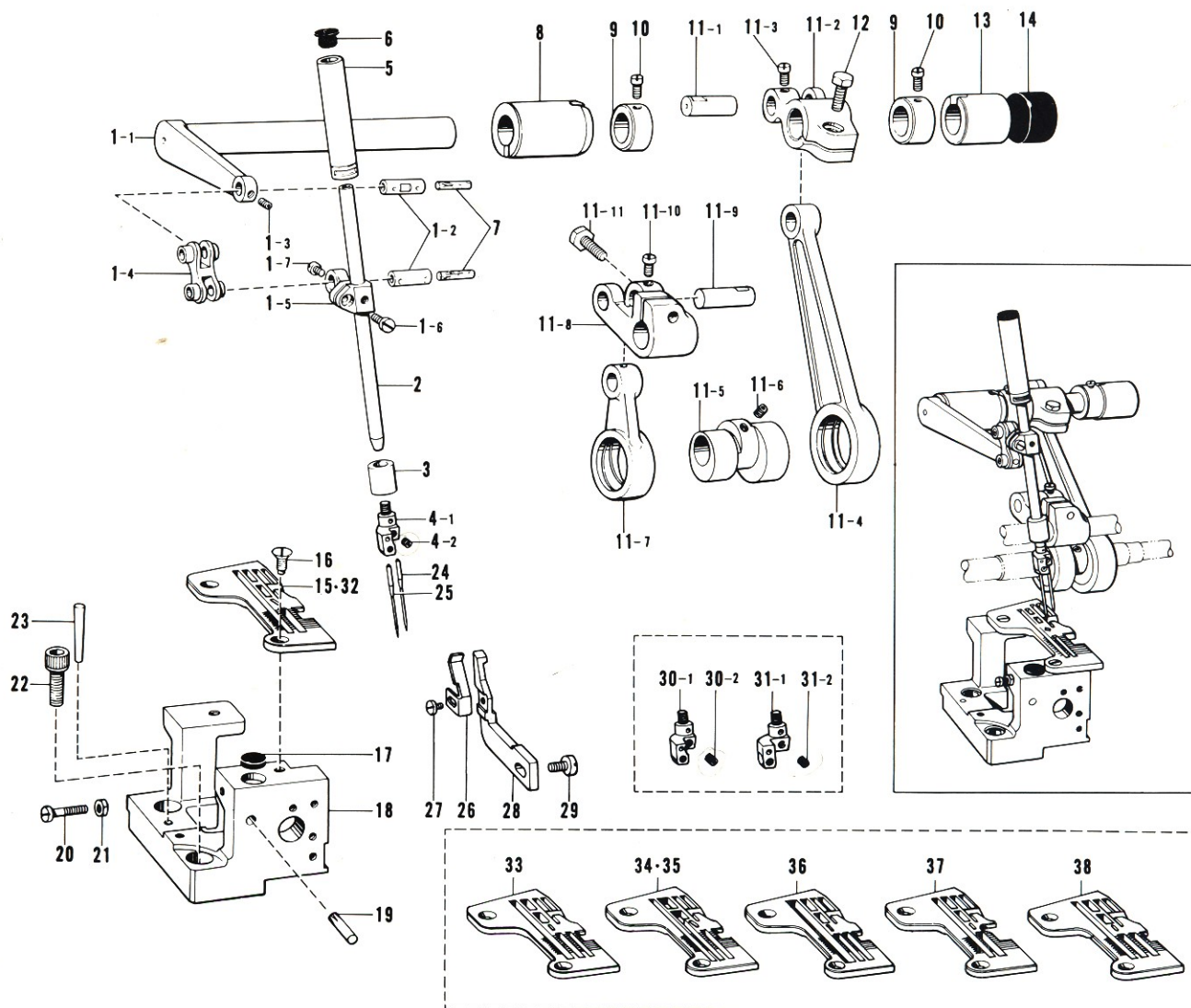
Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
A- 1	Cloth Plate Lower	1	148083-0-01		A-22	Screw	2	107407-0-03	
A- 2	Screw	3	106568-0-01		A-23	Label	1	147943-0-01	
A- 3	Cloth Plate	1	148082-0-01		A-24	Threading Diagram	1	148104-0-01	
A- 4	Screw	2	100032-0-03		A-25	Front Cover Guide	1	148103-0-01	
A- 5	Stopper Spring for Cloth Plate	1	148304-0-01		A-26	Screw	2	009670-6-12	
A- 6	Screw	2	009670-6-12		A-27	Frame Hanger	1	148090-0-01	
A- 7	Face Plate Cover	1	148073-0-01		A-28	Screw	3	009680-7-12	
A- 8	Pin for Face Plate	1	146426-0-00		A-29	Threading Diagram	1	148105-0-01	
A- 9	Screw	1	146427-0-01		A-30-1	Front Cover	1		A-30 Front Cover Assembly 148101-0-01 (Ruffling, Ruffling W/piping)
A-10	Top Cover	1	148065-0-01		A-30-2	Spring	1	146442-0-01	
A-11	Screw	4	009681-2-12		A-30-3	Hinge Cover Presser Plate	1	152194-0-01	
A-12	Rolling	1	148066-0-00		A-30-4	Screw	2	009670-4-12	
A-13	Label	1			A-30-5	Hinge Cover	1	148984-0-01	
A-14	Model Plate 581	1			A-30-6	Front Cover Hinge	1	146440-0-01	
A-15	Pin	2			A-30-7	Pin	1	047140-8-42	
A-16	Oil Cap	2	143196-0-01		A-30-8	Shaft for Front Cover	1	146441-0-00	
A-17-1	Supporter for Front Cover	1		A-17 Supporter for Front Cover Assembly 146444-0-01	A-31-1	Front Cover	1		A-31 Front Cover Assembly 148989-0-01 (Binding)
A-17-2	Thread Bushing	2	146924-0-00		A-31-2	Spring	1	146442-0-01	
A-18	Screw	2	117160-0-01		A-31-3	Hinge Cover Presser Plate	1	152194-0-01	
A-19	Stopper Spring for Front Cover	1	146446-0-01		A-31-4	Screw	2	009670-4-12	
A-20	Screw	1	123185-0-01		A-31-5	Hinge Cover	1	148984-0-01	
A-21-1	Front Cover	1		A-21 Front Cover Assembly 148987-0-01	A-31-6	Front Cover Hinge	1	146440-0-01	
A-21-2	Spring	1	146442-0-01		A-31-7	Pin	1	047140-8-42	
A-21-3	Hinge Cover Presser Plate	1	152194-0-01		A-31-8	Shaft for Front Cover	1	146441-0-00	
A-21-4	Screw	2	009670-4-12		A-32-1	Supporter for Front Cover	1		A-32 Supporter for Front Cover Assembly 147367-0-01
A-21-5	Hinge Cover	1	148984-0-01		A-32-2	Thread Bushing	2	146924-0-00	
A-21-6	Front Cover Hinge	1	146440-0-01						
A-21-7	Pin	1	047140-8-42						
A-21-8	Shaft for Front Cover	1	146441-0-00						

A. Machine Body (2)



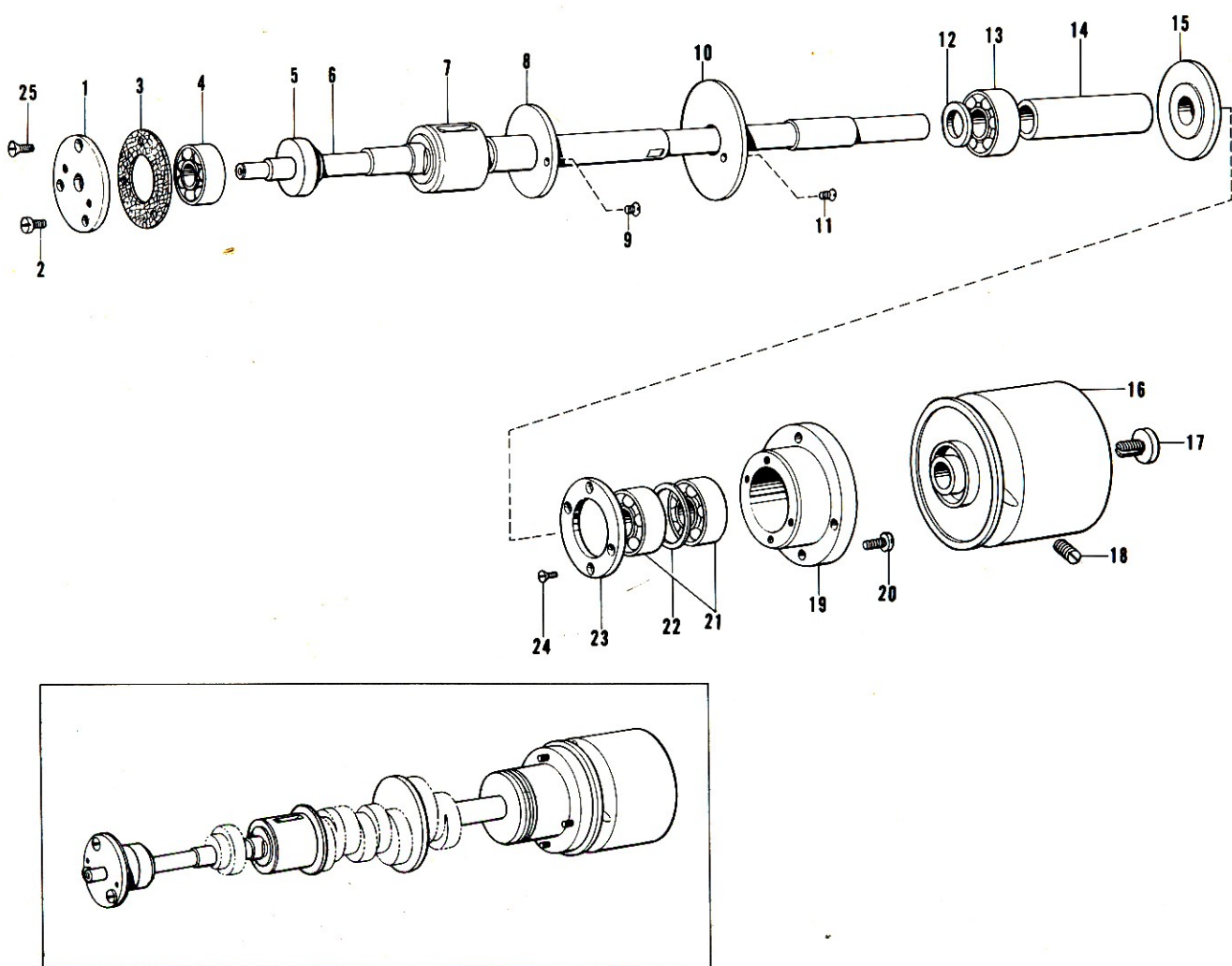
Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
A-40	Cover for Needle Driving Mechanism	1	148067-0-01		A-67	Cover for Feed Mechanism (A)	1	148076-0-01	
A-41	Screw	6	009680-7-14		A-68	Screw	4	009670-6-12	
A-42	Screw	1	100032-0-03		A-69	Cloth Plate Cushion	1	148077-0-01	
A-43	Packing	1	148068-0-00		A-70	Oil Cap	1	146315-0-00	
A-44	Face Plate Packing	1	148075-0-00		A-71	Screw	2	013760-6-12	
A-45	Face Plate	1	148074-0-01		A-72	Cloth Plate Supporter	1	143374-0-01	
A-46	Stopper Spring	1	140041-0-01		A-73	Washer	1	141183-0-00	
A-47	Screw	1	009670-6-12		A-74-1	Collar	1	A-74 Collar Assembly 181969-0-03	
A-48	Screw	1	102843-0-04		A-74-2	Screw	2		
A-49	Screw	1	009670-6-12		A-75	Felt	1	112754-0-01	
A-50	Parts Book Number Plate	1			A-76	Felt Holder	1	148247-0-01	
A-51	Name Plate	2			A-77	Screw	1	009680-7-12	
A-52	Cap for Oil Feeding Hole	1	146421-0-00		A-78	Feed Mechanism Cover Hinge	1	148070-0-01	
A-53	Packing	1	113589-0-01		A-79	Screw	2	009680-7-12	
A-54	Oil Gauge	1	148084-0-01		A-80	Hinge Shaft	1	148071-0-00	
A-55	Screw	1	014680-4-22		A-81	Packing	1	148859-0-00	
A-56	Machine Body Leg	4	148085-0-01		A-82	Cover for Feed Mechanism (B)	1	148069-0-01	
A-57	Screw	1	110641-0-01		A-83	Screw	1	146427-0-01	
A-58	Packing	1	109203-0-01		A-84	Stopper Spring	1	148072-0-01	
A-59	Bolt	4	017771-6-12		A-85	Screw	1	009670-6-12	
A-60	Oil Reservoir	1	148087-0-01		A-86	Screw	1	106120-0-02	
A-61	Packing	1	148088-0-00		A-87	Wick	1	118768-0-01	
A-62	Inside Cover	1	148078-0-01		A-88	Vinyl Tube	1	146644-0-00	
A-63	Screw	2	009670-6-12		A-89	Tube Holder	1	148315-0-01	
A-64	Set Pin for Cushion	4	140077-0-01		A-90	Screw	1	009680-7-12	
A-65	Cloth Guide (L)	1	148089-0-01		A-91	Machine Body	1		
A-66	Screw	2	009670-6-12						

B. Needle Bar Mechanism



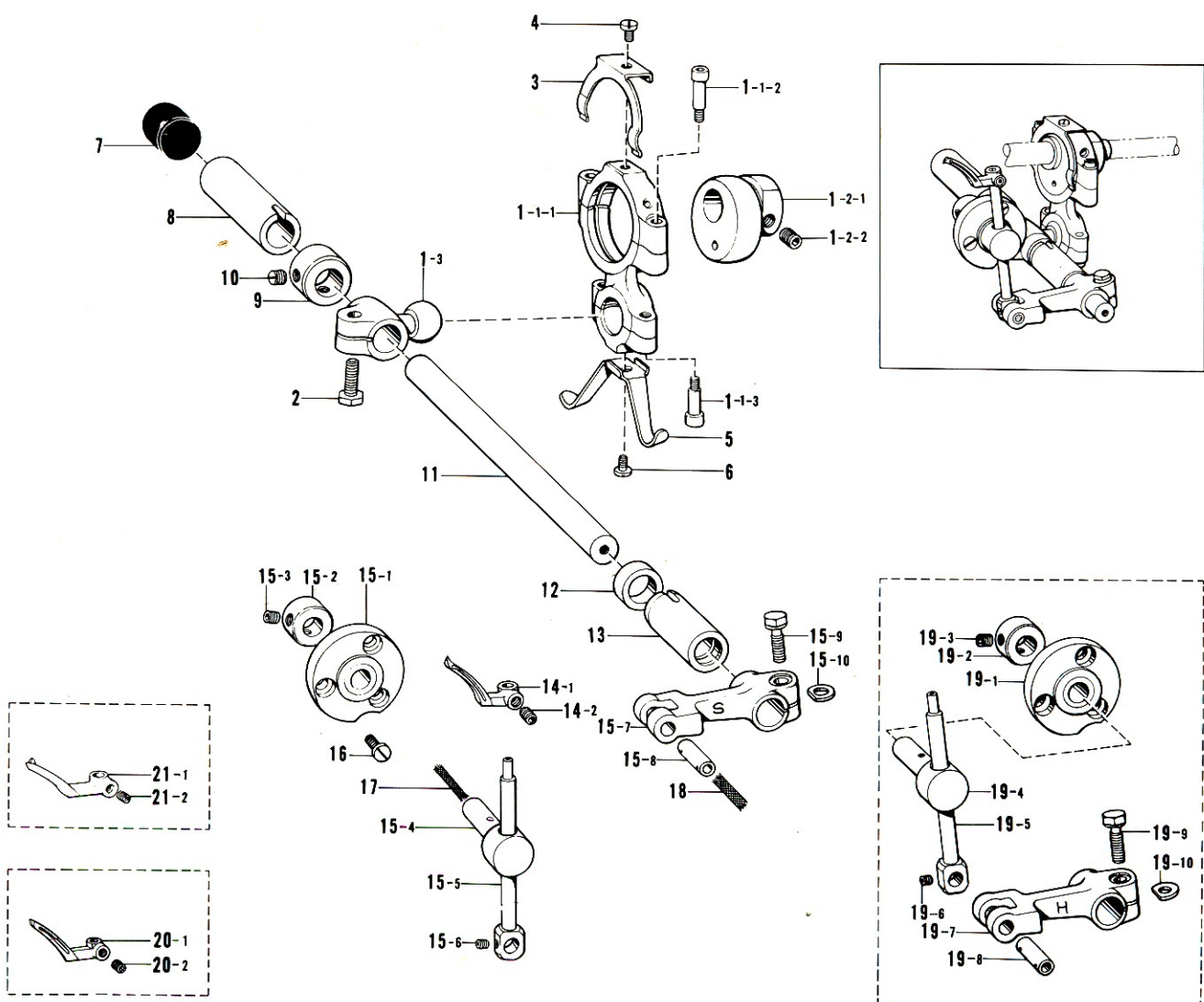
Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
B- 1-1	Needle Bar Crank Shaft	1		B-1 Needle Bar Crank Shaft Assembly 148269-0-01	B-14	Oil Cap	1	140066-0-01	
B- 1-2	Needle Bar Link Stud	2	148271-0-01		B-15	Needle Plate	1		
B- 1-3	Screw	1	146427-0-01		B-16	Screw	2	100032-0-03	
B- 1-4	Needle Bar Link	1	148270-0-01		B-17	Cloth Plate Cushion (B)	1	111486-0-01	
B- 1-5	Needle Bar Clamp	1	148122-0-01		B-18	Needle Plate Support Bracket	1	148124-0-01	
B- 1-6	Screw	1	009670-8-12		B-19	Pin	1	117608-0-01	
B- 1-7	Screw	1	009669-4-12		B-20	Screw	1	009671-4-12	
B- 2	Needle Bar	1	146483-0-01		B-21	Nut	1	021670-2-02	
B- 3	Needle Bar Bushing (D)	1	146486-0-00		B-22	Bolt	2	018061-6-22	
B- 4-1	Needle Clamp 2	1			B-23	Pin	1	107351-0-01	
B- 4-2	Screw	2	146427-0-01	B-4 Needle Clamp 2 Assembly 146487-0-01	B-24	Needle DC x 1	1		
B- 5	Needle Bar Bushing (U)	1	148123-0-01		B-25	Needle DM x 13	1		
B- 6	Cap	1	114255-0-02		B-26	Chain Stitch Needle Guard (F)	1	148125-0-01	
B- 7	Felt	2	147691-0-00		B-27	Screw	1	009669-4-12	
B- 8	Needle Shaft Bushing (Left)	1	148121-0-00		B-28	Chain Stitch Needle Guard (B)	1	148126-0-01	
B- 9	Set Collar	2	140092-0-01		B-29	Screw	1	009680-7-12	
B-10	Screw	4	100366-0-01		B-30-1	Needle Clamp 3	1		B-30 Needle Clamp 3 Assembly 146489-0-01
B-11- 1	Rod Pin	1	148117-0-01		B-30-2	Screw	2	146427-0-01	
B-11- 2	Needle Arm Driving Lever	1	148118-0-01		B-31-1	Needle Clamp 5	1		B-31 Needle Clamp 5 Assembly 146491-0-01
B-11- 3	Screw	1	100366-0-01		B-31-2	Screw	2	146427-0-01	
B-11- 4	Needle Bar Driving Crank Rod	1			B-32	Needle Plate	1		
B-11- 5	Needle Bar, Upper Knife Eccentric Cam	1		B-11 Needle Arm Driving Crank Rod Assembly 148858-0-01	B-33	Needle Plate	1		
B-11- 6	Screw	2	148857-0-01		B-34	Needle Plate (Ruffling, Ruffling W/piping)	1		
B-11- 7	Upper Knife Driving Rod	1			B-35	Needle Plate (Ruffling, Ruffling W/piping)	1		
B-11- 8	Upper Knife Driving Lever	1			B-36	Needle Plate (Ruffling, Ruffling W/piping)	1		
B-11- 9	Rod Pin	1	148117-0-01		B-37	Needle Plate (Binding)	1		
B-11-10	Screw	1	100366-0-01		B-38	Needle Plate (Denim)	1		
B-11-11	Bolt	1	017761-6-12						
B-12	Bolt	1	017761-6-12						
B-13	Needle Shaft Bushing (Right)	1	148120-0-00						

C. Crank Shaft Mechanism



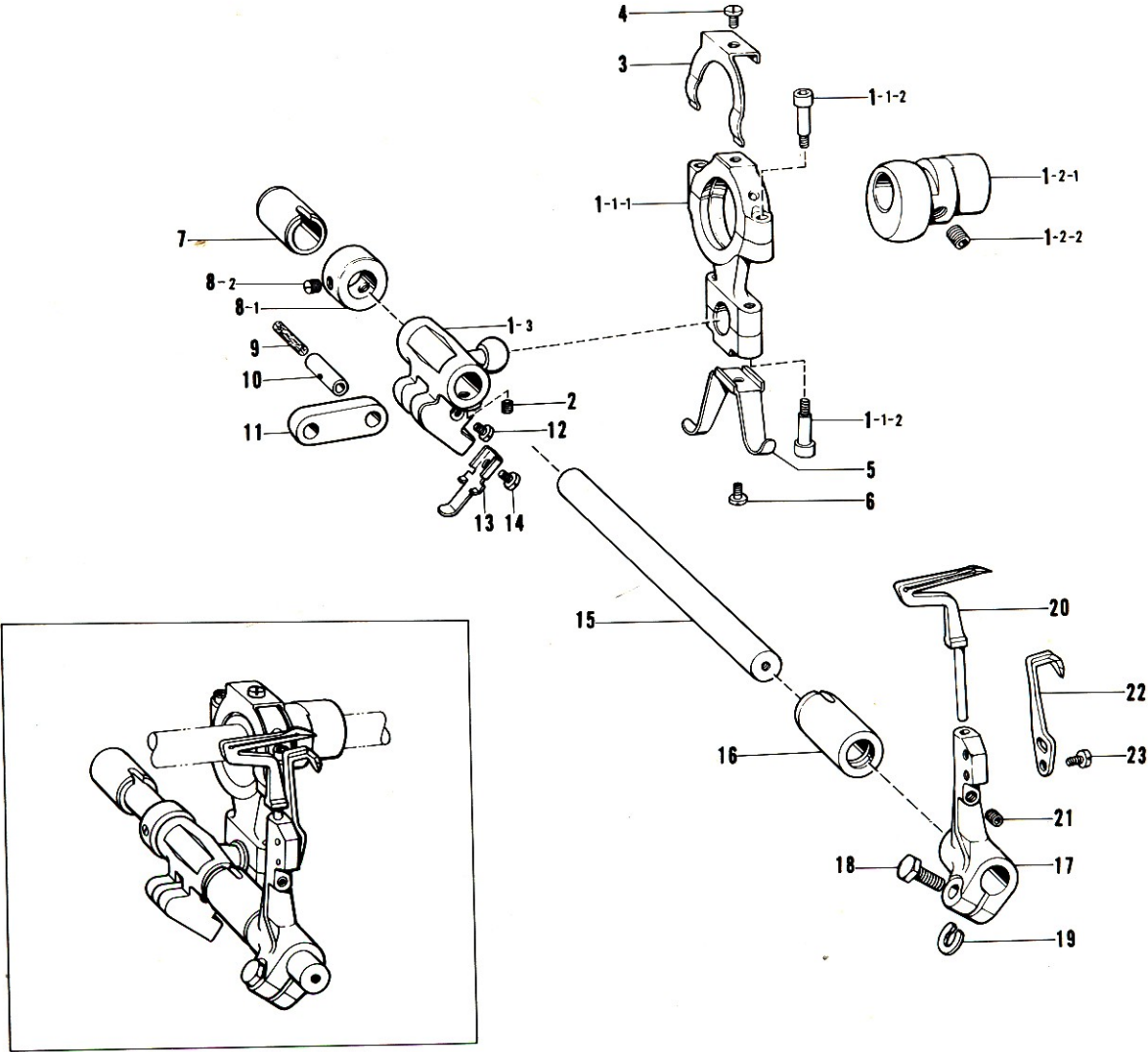
Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
C- 1	Bearing Cap	1	146472-0-01		C-13	Bearing 6001	1	072600-1-00	
C- 2	Screw	2	009670-8-12		C-14	Crank Shaft Bushing (L) Assembly	1	148111-0-00	
C- 3	Packing	1	143312-0-00		C-15	Oil Rejector	1	140084-0-00	
C- 4	Bearing 6000	1	072600-0-00		C-16	Pulley	1	140085-0-03	
C- 5	Bushing	1	148086-0-00		C-17	Cap Screw	1	140180-0-01	
C- 6	Crank Shaft	1	148113-0-01		C-18	Screw	2	013761-4-10	
C- 7	Crank Shaft Bushing (L) Assembly	1	148373-0-00		C-19	Bearing Case	1	110670-0-00	
C- 8	Looper Connecting Rod Stopper Guide (L)	1	148225-0-01		C-20	Screw	4	009681-0-12	
C- 9	Screw	2	102843-0-04		C-21	Bearing 6001	2	072600-1-00	
C-10	Looper Connecting Rod Stopper Guide (R)	1	148205-0-01		C-22	Thrust Washer	1	110672-0-00	
C-11	Screw	2	102843-0-04		C-23	Bearing Cover	1	110673-0-00	
C-12	Spacer	1	148112-0-00		C-24	Screw	4	107244-0-01	
					C-25	Screw	1	102538-0-02	

D. Over Looper Mechanism



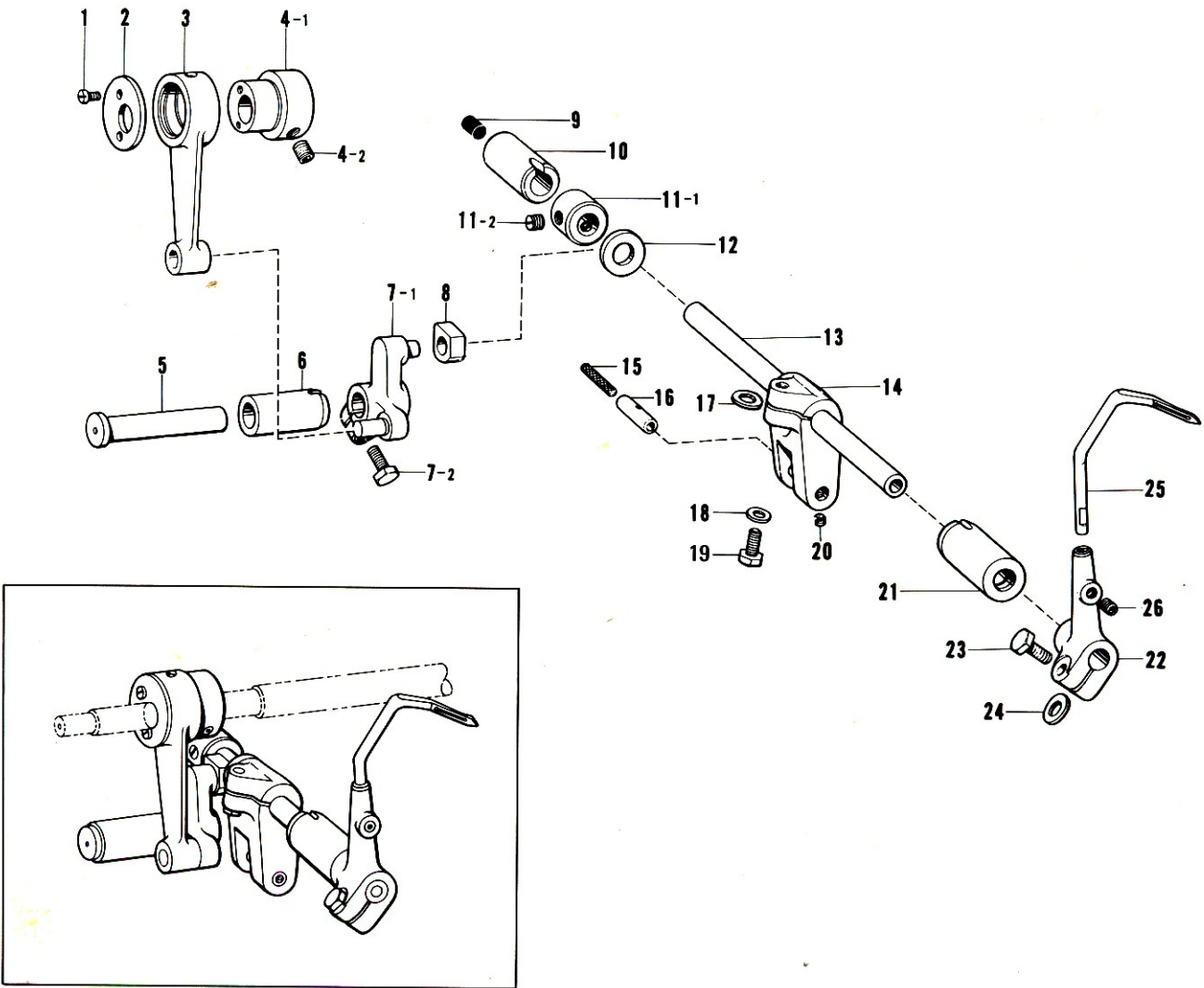
Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
D- 1-1-1	Over Looper Connecting Rod	1		D-1-1 Over Looper Connecting Rod with Screw	D-15- 4	Over Looper Holder Guide Block	1		D-15 Over Looper Assembly 148209-0-01 (Standard)
D- 1-1-2	Screw	2	150382-0-01	181631-0-01	D-15- 5	Over Looper Holder	1	148213-1-01	
D- 1-1-3	Screw	2	148425-0-01		D-15- 6	Screw	1	013719-4-12	
D- 1-2-1	Over Looper Eccentric Cam	1		D-1-2 Over Looper Eccentric Cam Assembly 181628-0-01	D-15- 7	Over Looper Driving Lever	1		
D- 1-2-2	Screw	2	148857-0-01		D-15- 8	Over Looper Holder Pin	1	148212-0-01	
D- 1-3	Over Looper Connecting Lever	1		D-1 Over Looper Connecting Rod Assembly 148200-0-01	D-15- 9	Bolt	1	149172-0-01	D-19 Over Looper Assembly 148217-0-01 (High-lift)
D- 2	Bolt	1	017771-6-12		D-15-10	Spacer	1	148783-0-01	
D- 3	Looper Connecting Rod Stopper	1	148204-0-01		D-16	Screw	3	009680-7-12	
D- 4	Screw	1	009670-5-12		D-17	Wick	1	148249-0-00	
D- 5	Oil Jumping Plate (Right)	1	148250-0-01		D-18	Wick	1	108809-0-01	
D- 6	Screw	1	009670-5-12		D-19- 1	Over Looper Holder Guide Base	1		D-20 Over Looper Assembly 147937-0-01
D- 7	Oil Cap	1	140066-0-01		D-19- 2	Collar	1		
D- 8	Over Looper Shaft Bushing Back	1	148207-0-00		D-19- 3	Screw	2	014680-4-22	
D- 9	Set Collar	1	146581-0-01		D-19- 4	Over Looper Holder Guide Block	1		
D-10	Screw	2	100260-0-01		D-19- 5	Over Looper Holder	1	148213-1-01	
D-11	Over Looper Shaft	1	148206-0-01		D-19- 6	Screw	1	013719-4-12	D-21 Over Looper Assembly 147935-0-01
D-12	Thrust Collar	1	148208-0-01		D-19- 7	Over Looper Driving Lever	1		
D-13	Bushing	1	144031-0-00		D-19- 8	Over Looper Holder Pin	1	148212-0-01	
D-14-1	Over Looper (Standard)	1		D-14 Over Looper 147934-0-01	D-19- 9	Bolt	1	149172-0-01	
D-14-2	Screw	1	014680-4-22		D-19-10	Spacer	1	148783-0-01	
D-15-1	Over Looper Holder Guide Base	1		D-15 Over Looper Assembly 148209-0-01 (Standard)	D-20- 1	Over Looper (High-lift)	1		D-21 Over Looper Assembly 147935-0-01
D-15-2	Collar	1			D-20- 2	Screw	1	014680-4-22	
D-15-3	Screw	2	014680-4-22		D-21- 1	Spreader	1		
					D-21- 2	Screw	1	014680-4-22	

E. Under Looper Mechanism



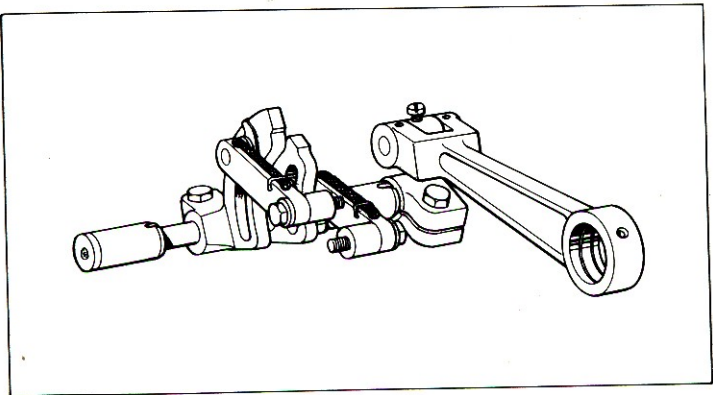
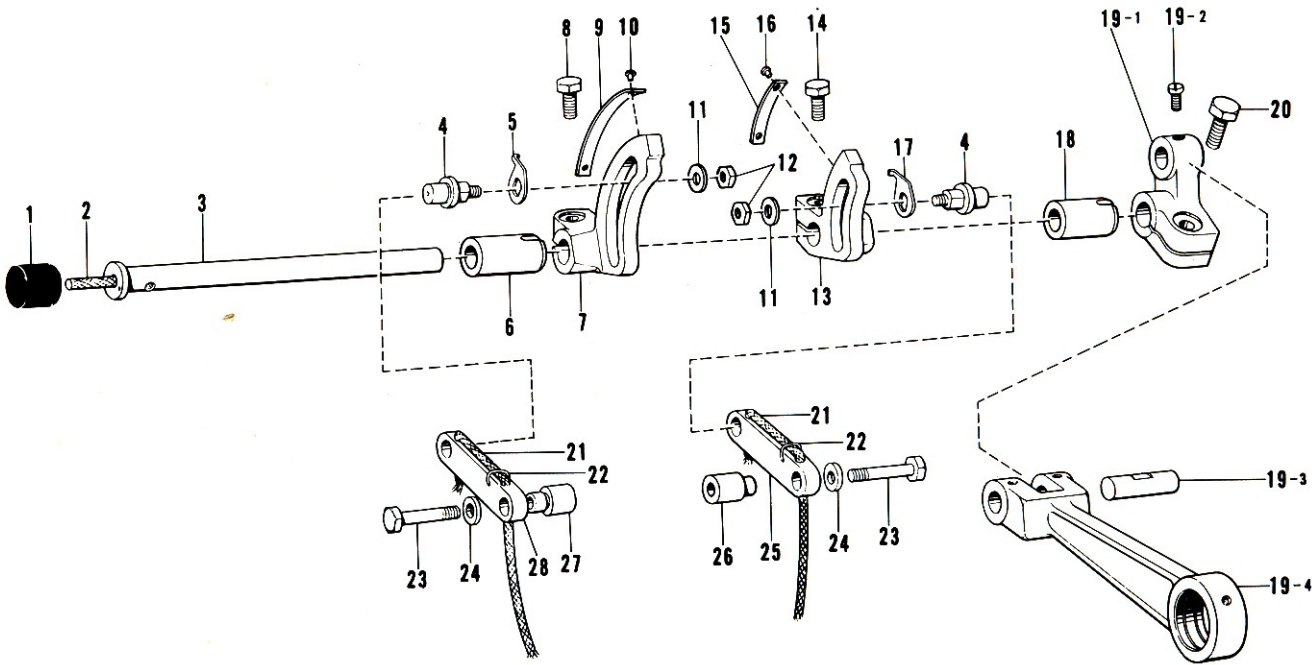
Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
E- 1-1-1	Under Looper Connecting Rod	1		E-1-1 Under Looper Connecting Rod with Screw 181630-0-01	E-10	Under Looper Holder Pin	1	148232-0-01	
E- 1-1-2	Screw	4	148425-0-01		E-11	Chain Stitch Looper Link	1	148242-0-01	
E- 1-2-1	Under Looper Eccentric Cam	1		E-1-2 Under Looper Eccentric Cam Assembly 181629-0-01	E-12	Screw	1	144458-0-01	
E- 1-2-2	Screw	2	148857-0-01		E-13	Oil Jumping Plate (Left)	1	148252-0-01	
E- 1-3	Under Looper Connecting Lever	1		E-1 Under Looper Connecting Rod Assembly 148230-0-01	E-14	Screw	1	009670-5-12	
E- 2	Screw	2	014680-4-22		E-15	Under Looper Shaft	1	148226-0-01	
E- 3	Looper Connecting Rod Stopper	1	148224-0-01		E-16	Under Looper Shaft Bushing (Front)	1	148228-0-00	
E- 4	Screw	1	009670-5-12		E-17	Under Looper Holder	1	146617-0-01	
E- 5	Oil Jumping Plate Middle	1	148251-0-01		E-18	Bolt	1	149171-0-01	
E- 6	Screw	1	009670-5-12		E-19	Spacer	1	148782-0-01	
E- 7	Under Looper Shaft Bushing (Back)	1	148227-0-00		E-20	Under Looper	1	144049-0-01	
E- 8-1	Collar	1		E-8 Collar Assembly 180323-0-01	E-21	Screw	1	014680-4-22	
E- 8-2	Screw	2	013760-6-12		E-22	Movable Needle Guard	1	144127-0-01	
E- 9	Wick	1	143444-0-01		E-23	Screw	2	009670-8-12	

F. Double Chain Stitch Looper Mechanism



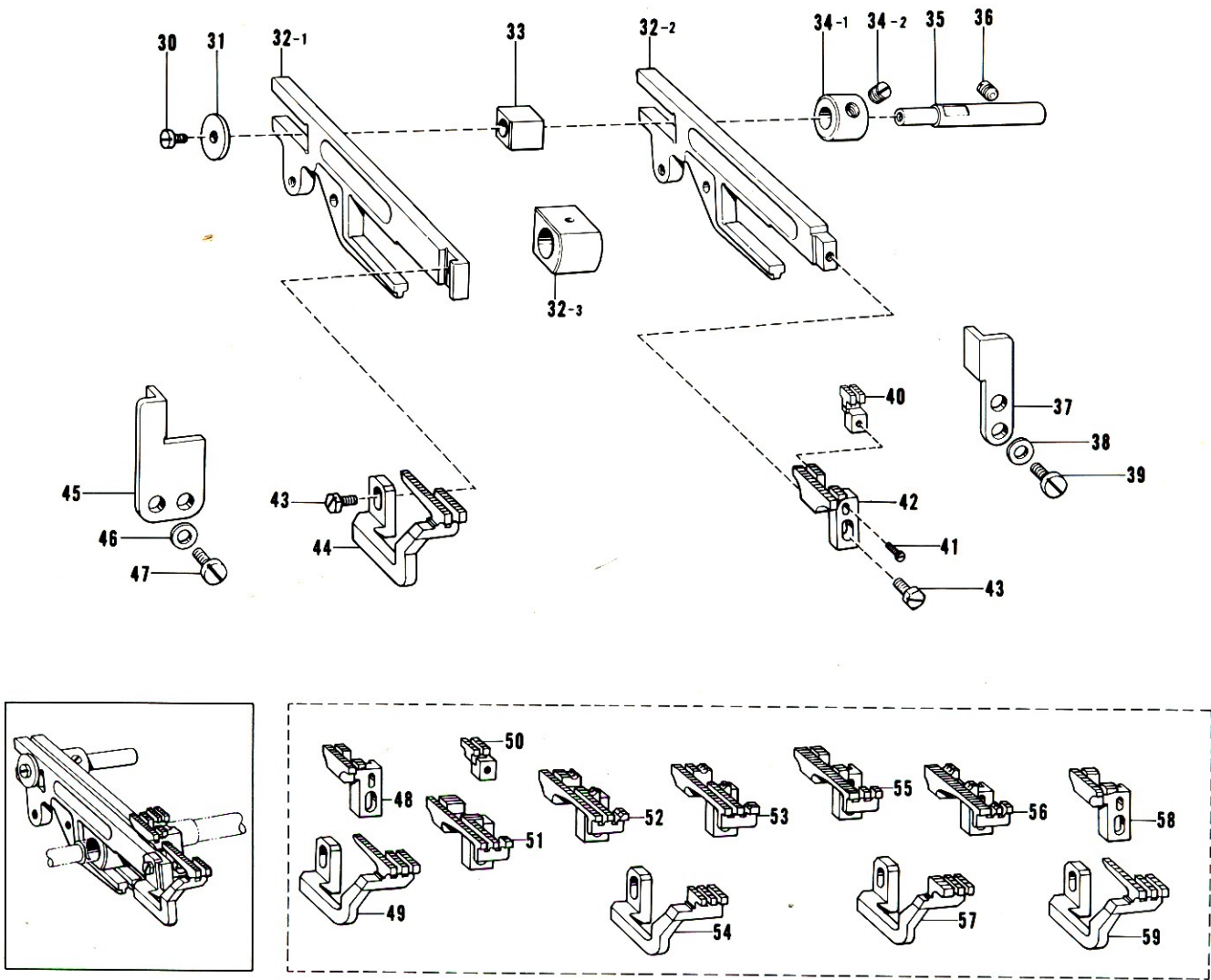
Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
F- 1	Screw	2	009630-6-12		F-13	Chain Stitch Looper Shaft	1	148243-0-01	
F- 2	Driving Rod Presser Plate	1	148235-0-01		F-14	Chain Stitch Looper Driving Lever	1	148240-0-01	
F- 3	Longitudinal Feed Driving Rod	1	148234-0-00		F-15	Wick	1	117591-0-01	
F- 4-1	Longitudinal Eccentric Cam	1		F-4 Eccentric Cam Assembly 181657-0-01	F-16	Chain Stitch Looper Driving Lever Shaft	1	148241-0-01	
F- 4-2	Screw	2	148857-0-01		F-17	Washer	1	025060-2-32	
F- 5	Longitudinal Feed Lever Shaft	1	148236-0-01		F-18	Washer	1	025060-1-32	
F- 6	Longitudinal Feed Lever Shaft Bushing	1	148237-0-00		F-19	Bolt	1	017761-4-12	
F- 7-1	Longitudinal Feed Lever	1		F-7 Longitudinal Feed Lever Assembly 181668-0-01	F-20	Screw	1	146427-0-01	
F- 7-2	Bolt	1	017771-4-12		F-21	Chain Stitch Looper Shaft Bushing (Front)	1	148244-0-00	
F- 8	Slide Block	1	140313-0-01		F-22	Chain Stitch Looper Holder	1	146634-0-01	
F- 9	Oil Cap	1	140327-0-01		F-23	Bolt	1	149171-0-01	
F-10	Chain Stitch Looper Shaft Bushing (Back)	1	148245-0-00		F-24	Spacer	1	148782-0-01	
F-11-1	Collar	1		F-11 Collar Assembly 181995-0-01	F-25	Chain Stitch Looper	1	146635-0-01	
F-11-2	Screw	2	101706-0-03		F-26	Screw	1	014680-4-22	
F-12	Thrust Collar	1	148239-0-01						

G. Feed Mechanism (1)



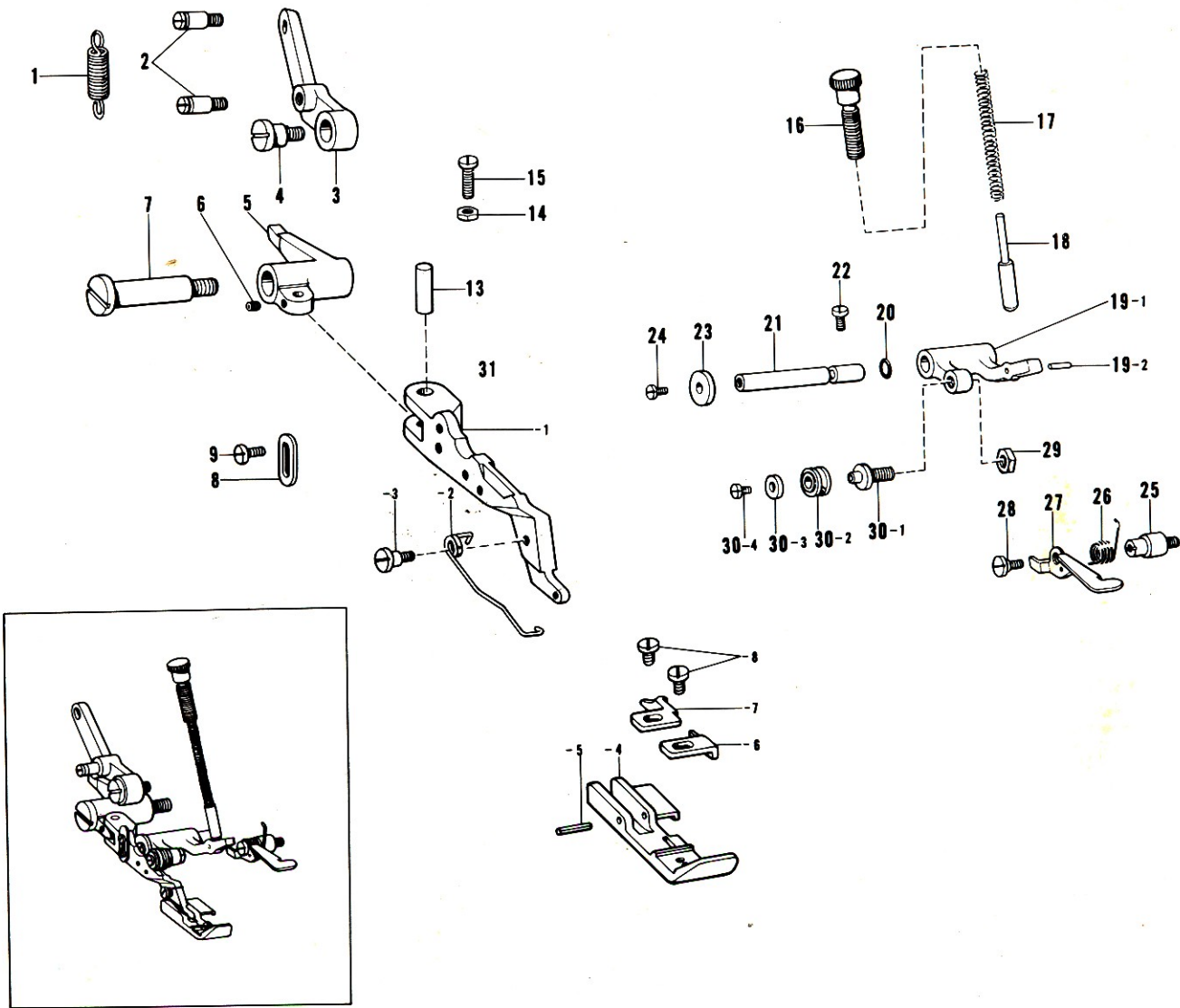
Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
G- 1	Oil Cap	1	140065-0-01		G-17	Feed Link Indicator Plate (Right)	1	148182-0-01	
G- 2	Wick	1	148248-0-00		G-18	Feed Shaft Bushing (Right)	1	148169-0-00	
G- 3	Feed Shaft	1	148167-0-01		G-19-1	Feed Arm	1		G-19 Feed Rod Assembly 148163-0-01
G- 4	Feed Link Shaft	2	148181-0-01		G-19-2	Screw	1	100366-0-01	
G- 5	Feed Link Indicator Plate (Left)	1	148183-0-01		G-19-3	Feed Arm Pin	1	148166-0-01	
G- 6	Feed Shaft Bushing (Left)	1	148168-0-00		G-19-4	Feed Rod	1		
G- 7	Differential Feed Arm	1	148179-0-01		G-20	Bolt	1	017761-4-12	
G- 8	Bolt	1	017761-4-12		G-21	Wick	2	142674-0-00	
G- 9	Indicator Plate	1	148180-0-01		G-22	Steel Wire	2	140774-0-00	
G-10	Pin	2	116231-0-01		G-23	Bolt	2	148186-0-01	
G-11	Washer	2	148847-0-01		G-24	Washer	2	140208-0-01	
G-12	Nut	2	148838-0-01		G-25	Feed Link	1	148184-0-00	
G-13	Main Feed Arm	1	148177-0-01		G-26	Feed Link Bushing	1	148185-0-01	
G-14	Bolt	1	017761-4-12		G-27	Feed Link Bushing	1	148404-0-01	
G-15	Indicator Plate	1	148178-0-01		G-28	Feed Link	1	148403-0-01	
G-16	Pin	2	116231-0-01						

G. Feed Mechanism (2)



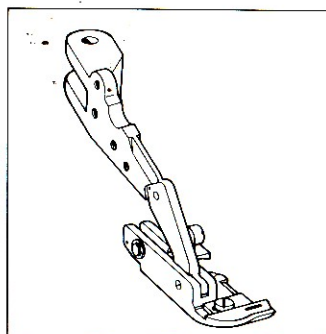
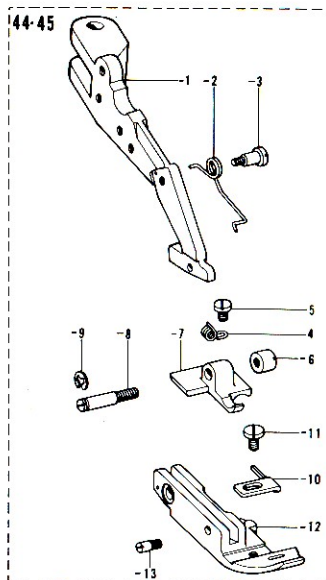
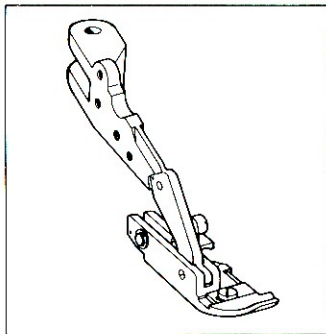
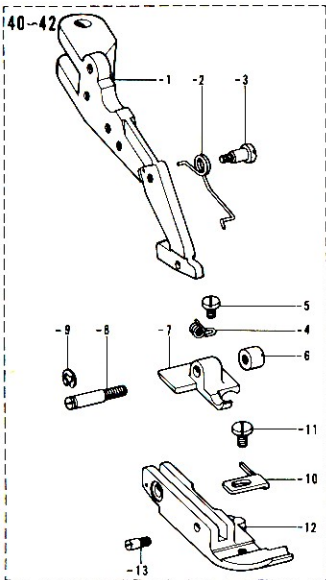
Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
G-30	Screw	1	009680-7-12		G-45	Feed Bar Guide (Left)	1	148175-0-00	
G-31	Slide Plate	1	146549-0-01		G-46	Washer	2	113431-0-02	
G-32-1	Differential Feed Bar	1		G-32 Feed Bar Guide Block Assembly 148262-0-01	G-47	Screw	2	107407-0-03	
G-32-2	Main Feed Bar	1			G-48	Main Feed Dog	1	146568-0-01	
G-32-3	Feed Lifting Slide Block	1	148173-0-00		G-49	Differential Feed Dog	1	146573-0-01	
G-33	Feed Bar Guide Block	1	146547-0-00		G-50	Chain Feed Dog (Ruffling)	1	148189-0-01	
G-34-1	Collar	1		G-34 Collar Assembly 181995-0-01	G-51	Main Feed Dog (Ruffling)	1	148190-0-01	
G-34-2	Screw	2	101706-0-03		G-52	Main Feed Dog (Ruffling W/piping)	1	148750-0-01	
G-35	Feed Bar Guide Block Shaft	1	148176-0-01		G-53	Main Feed Dog (Ruffling W/piping)	1	148751-0-01	
G-36	Screw	1	148857-0-01		G-54	Differential Feed Dog (Ruffling, Ruffling W/piping)	1	146575-0-01	
G-37	Feed Bar Guide (Right)	1	148174-0-00		G-55	Main Feed Dog (Ruffling)	1	148191-0-01	
G-38	Washer	2	113431-0-02		G-56	Main Feed Dog (Ruffling W/piping)	1	148752-0-01	
G-39	Screw	2	107407-0-03		G-57	Differential Feed Dog (Ruffling, Ruffling W/piping)	1	146576-0-01	
G-40	Chain Feed Dog	1	146577-0-01		G-58	Main Feed Dog (Denim)	1	146569-0-01	
G-41	Screw	1	009630-8-12		G-59	Differential Feed Dog (Denim)	1	146574-0-01	
G-42	Main Feed Dog	1	146567-0-01						
G-43	Bolt	2	117516-0-01						
G-44	Differential Feed Dog	1	146572-0-01						

H. Presser Foot Mechanism (1)



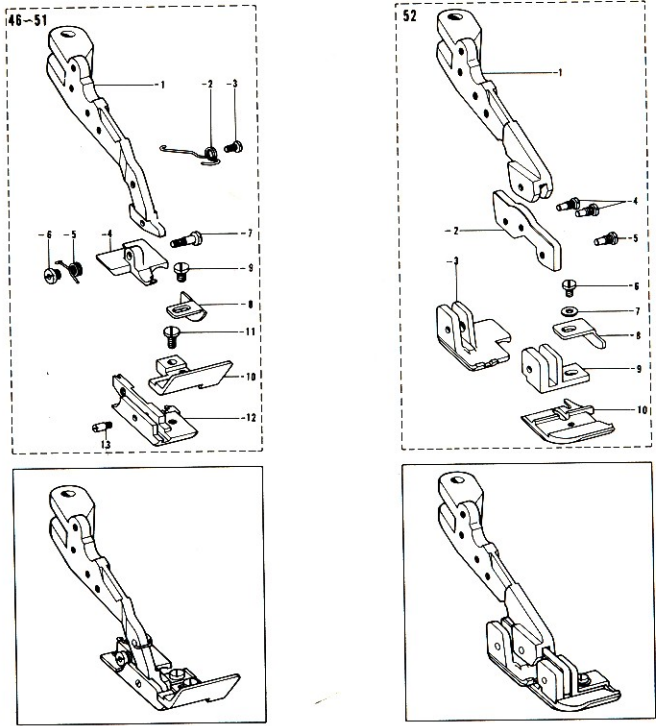
Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
H- 1	Spring	1	148145-0-01		H-23	Washer	1	148135-0-01	
H- 2	Spring Hook	2	148144-0-01		H-24	Screw	1	009680-7-12	
H- 3	Presser Foot Lifter Lever	1	148143-0-01		H-25	Presser Bar Lifter Bracket	1	148136-0-01	
H- 4	Stud Screw	1	141528-0-02		H-26	Spring	1	148138-0-01	
H- 5	Presser Foot Supporter	1	148146-0-01		H-27	Presser Bar Lifter	1	148137-0-01	
H- 6	Screw	1	146427-0-01		H-28	Screw	1	148139-0-01	
H- 7	Presser Foot Supporter Stud	1	148147-0-01		H-29	Nut	1	100022-0-05	
H- 8	Presser Arm Stopper	1	148148-0-01		H-30-1	Presser Arm Roller Stud	1		H-30 Presser Arm Roller Assembly 148346-0-01
H- 9	Screw	2	009669-4-12		H-30-2	Presser Arm Roller	1		
H-13	Pin	1	141393-0-01		H-30-3	Washer	1	148813-0-01	
H-14	Nut	1	021680-2-02		H-30-4	Screw	1	009670-5-12	
H-15	Screw	1	009681-6-12		H-31-1	Presser Arm	1		H-31 Presser Foot Assembly 148155-0-01
H-16	Presser Adjusting Screw	1	148128-0-01		H-31-2	Spring	1	142246-0-01	
H-17	Spring	1	148129-0-01		H-31-3	Screw	1	142247-0-01	
H-18	Pin	1	148130-0-01		H-31-4	Presser Foot	1		
H-19-1	Presser Bar Lever	1		H-19 Presser Bar Lever Assembly 148131-0-01	H-31-5	Pin	1	142243-0-01	
H-19-2	Roller	1	148133-0-01		H-31-6	Chip Guard (3)	1	142245-0-01	
H-20	"O" Ring	1	081002-6-70		H-31-7	Stitch Tongue	1	142244-0-01	
H-21	Presser Bar Lever Shaft	1	148134-0-01		H-31-8	Screw	2	009639-3-12	
H-22	Screw	1	104908-0-01						

H. Presser Foot Mechanism (2)



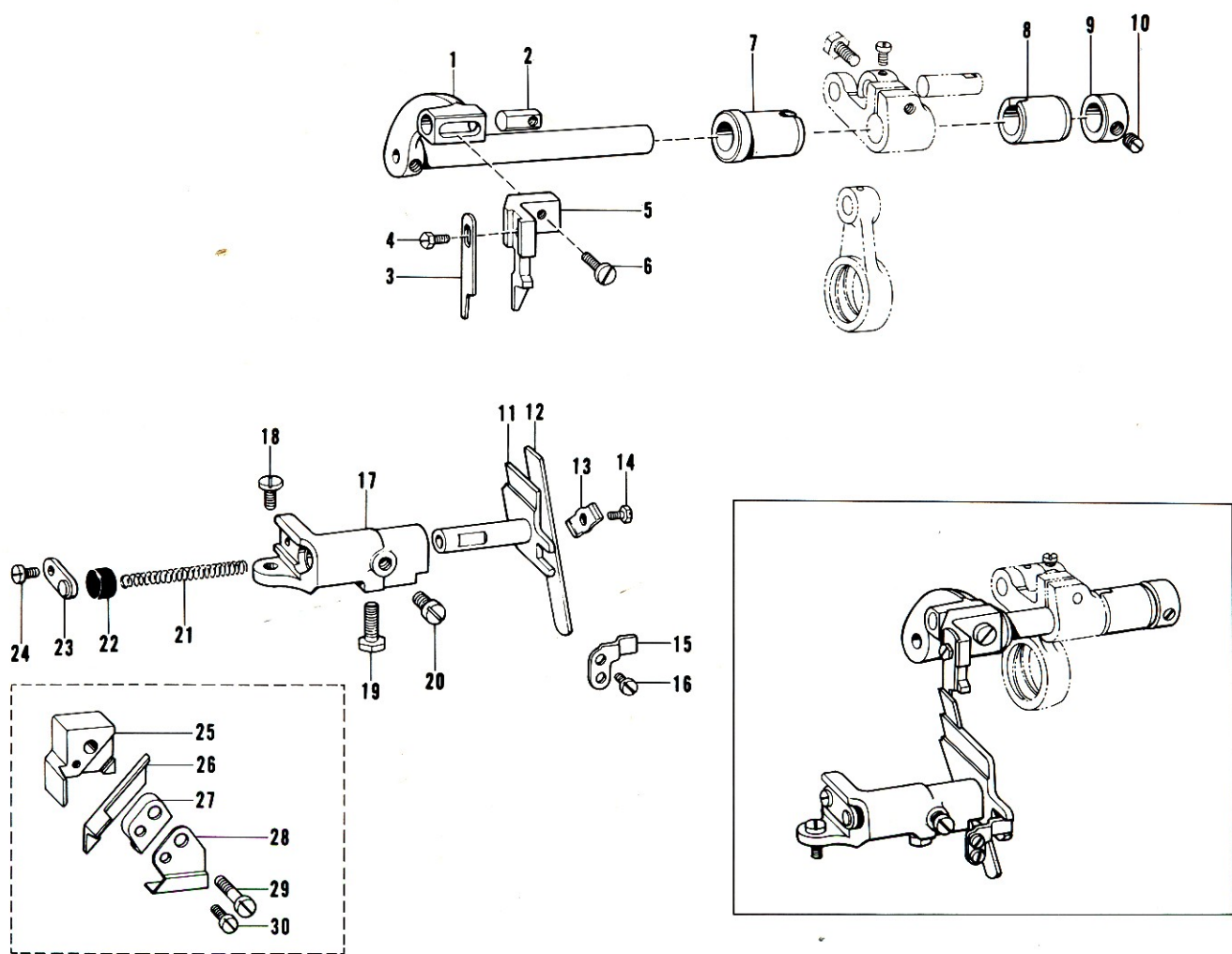
Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
H40- 1	Presser Arm	1		H40 Presser Foot Assembly 148150-1-01	H42-12	Presser Foot	1		H42 Presser Foot Assembly 148263-1-01 (Binding)
H40- 2	Spring	1	146869-0-01		H42-13	Screw	1	146865-0-01	
H40- 3	Stud Screw	1	146901-0-01		H43- 1	Presser Arm	1		H43 Presser Foot Assembly 149589-0-01 (Taping)
H40- 4	Spring	1	146870-0-01		H43- 2	Spring	1	142246-0-01	
H40- 5	Screw	1	122771-0-02		H43- 3	Screw	1	142247-0-01	
H40- 6	Nut	1	149262-0-01		H43- 4	Stitch Tongue	1	142244-0-01	
H40- 7	Presser Foot (Rear)	1	149260-0-01		H43- 5	Screw	2	009639-3-12	
H40- 8	Screw	1	149261-0-01		H43- 6	Chip Guard (3)	1	142245-0-01	
H40- 9	Stop Ring	1	048025-3-42		H43- 7	Presser Foot	1		
H40-10	Presser Foot (Front)	1	145147-0-01		H43- 8	Pin	1	142243-0-01	
H40-11	Screw	1	105288-0-01		H44- 1	Presser Arm	1		H44 Presser Foot Assembly 148162-1-01 (Taping)
H40-12	Presser Foot	1			H44- 2	Spring	1	146869-0-01	
H40-13	Screw	1	146865-0-01		H44- 3	Stud Screw	1	146901-0-01	
H41- 1	Presser Arm	1		H41 Presser Foot Assembly 148153-1-01	H44- 4	Spring	1	146870-0-01	
H41- 2	Spring	1	146869-0-01		H44- 5	Screw	1	122771-0-02	
H41- 3	Stud Screw	1	146901-0-01		H44- 6	Nut	1	149262-0-01	
H41- 4	Spring	1	146870-0-01		H44- 7	Presser Foot (Rear)	1	149260-0-01	
H41- 5	Screw	1	122771-0-02		H44- 8	Screw	1	149261-0-01	
H41- 6	Nut	1	149262-0-01		H44- 9	Stop Ring	1	048025-3-42	
H41- 7	Presser Foot (Rear)	1	149265-0-01		H44-10	Presser Foot (Front)	1	145147-0-01	
H41- 8	Screw	1	149266-0-01		H44-11	Screw	1	105288-0-01	
H41- 9	Stop Ring	1	048025-3-42		H44-12	Presser Foot	1		
H41-10	Presser Foot (Front)	1	145147-0-01		H44-13	Screw	1	146865-0-01	
H41-11	Screw	1	105288-0-01		H45- 1	Presser Arm	1		H45 Presser Foot Assembly 149918-0-01 (Taping)
H41-12	Presser Foot	1			H45- 2	Spring	1	146869-0-01	
H41-13	Screw	1	140270-0-01		H45- 3	Stud Screw	1	146901-0-01	
H42- 1	Presser Arm	1		H42 Presser Foot Assembly 148263-1-01 (Binding)	H45- 4	Spring	1	146870-0-01	
H42- 2	Spring	1	146869-0-01		H45- 5	Screw	1	122771-0-02	
H42- 3	Stud Screw	1	146901-0-01		H45- 6	Nut	1	149262-0-01	
H42- 4	Spring	1	146870-0-01		H45- 7	Presser Foot (Rear)	1	149265-0-01	
H42- 5	Screw	1	122771-0-02		H45- 8	Screw	1	149266-0-01	
H42- 6	Nut	1	149262-0-01		H45- 9	Stop Ring	1	048025-3-42	
H42- 7	Presser Foot (Rear)	1	149260-0-01		H45-10	Presser Foot (Front)	1	145147-0-01	
H42- 8	Screw	1	149261-0-01		H45-11	Screw	1	105288-0-01	
H42- 9	Stop Ring	1	048025-3-42		H45-12	Presser Foot	1		
H42-10	Presser Foot (Front)	1	147371-0-01		H45-13	Screw	1	140270-0-01	
H42-11	Screw	1	105288-0-01						

H. Presser Foot Mechanism (3)



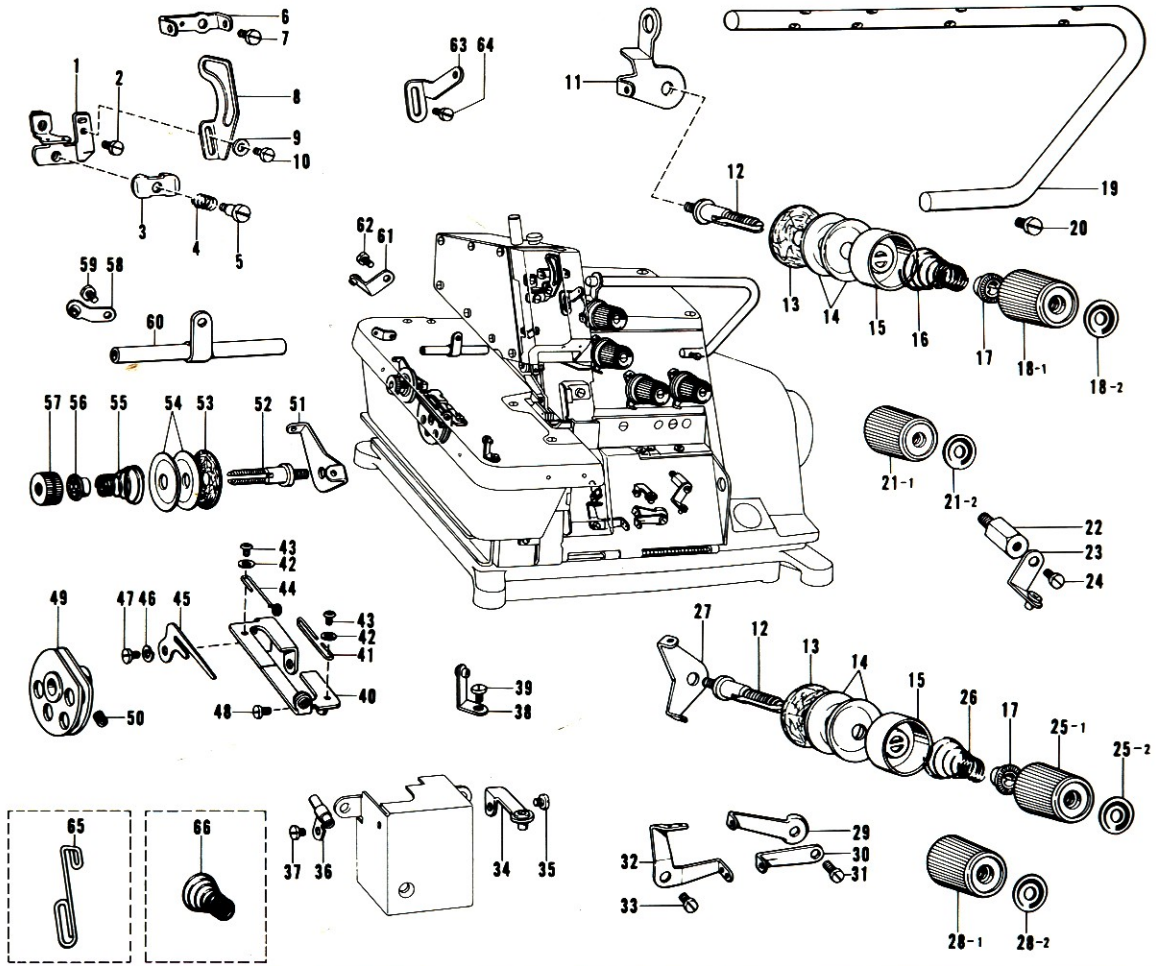
Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
H-46- 1	Presser Arm	1		H-46 Presser Foot Assembly 148158-0-01 (Ruffling)	H-49- 6	Nut	1	140273-0-01	H-49 Presser Foot Assembly 148747-0-01 (Ruffling, W/piping)
H-46- 2	Spring	1	140993-0-01		H-49- 7	Screw	1	140272-0-01	
H-46- 3	Screw	1	140992-0-01		H-49- 8	Presser Foot (Front)	1	144778-0-01	
H-46- 4	Presser Foot (Rear)	1	146880-0-01		H-49- 9	Screw	1	105288-0-01	
H-46- 5	Spring	1	140275-0-01		H-49-10	Presser Foot (U)	1	144777-0-01	
H-46- 6	Nut	1	140273-0-01		H-49-11	Screw	1	009660-7-12	
H-46- 7	Screw	1	140272-0-01		H-49-12	Presser Foot	1		H-50 Presser Foot Assembly 148748-0-01 (Ruffling W/piping)
H-46- 8	Presser Foot (Front)	1	144778-0-01		H-49-13	Screw	1	140270-0-01	
H-46- 9	Screw	1	105288-0-01		H-50- 1	Presser Arm	1		
H-46-10	Presser Foot (U)	1	144777-0-01		H-50- 2	Spring	1	140993-0-01	
H-46-11	Screw	1	009660-7-12		H-50- 3	Screw	1	140992-0-01	
H-46-12	Presser Foot	1			H-50- 4	Presser Foot (Rear)	1	147488-0-01	
H-46-13	Screw	1	140270-0-01		H-50- 5	Spring	1	140275-0-01	
H-47- 1	Presser Arm	1		H-47 Presser Foot Assembly 148160-0-01 (Ruffling)	H-50- 6	Nut	1	140273-0-01	
H-47- 2	Spring	1	140993-0-01		H-50- 7	Screw	1	140272-0-01	
H-47- 3	Screw	1	140992-0-01		H-50- 8	Presser Foot (Front)	1	144778-0-01	
H-47- 4	Presser Foot (Rear)	1	140271-0-01		H-50- 9	Screw	1	105288-0-01	
H-47- 5	Spring	1	140275-0-01		H-50-10	Presser Foot (U)	1	144777-0-01	
H-47- 6	Nut	1	140273-0-01		H-50-11	Screw	1	009660-7-12	
H-47- 7	Screw	1	140272-0-01		H-50-12	Presser Foot	1		
H-47- 8	Presser Foot (Front)	1	144778-0-01		H-50-13	Screw	1	140270-0-01	
H-47- 9	Screw	1	105288-0-01		H-51- 1	Presser Arm	1		H-51 Presser Foot Assembly 148749-0-01 (Ruffling W/piping)
H-47-10	Presser Foot (U)	1	144777-0-01		H-51- 2	Spring	1	140993-0-01	
H-47-11	Screw	1	009660-7-12		H-51- 3	Screw	1	140992-0-01	
H-47-12	Presser Foot (E)	1			H-51- 4	Presser Foot (Rear)	1	147489-0-01	
H-47-13	Screw	1	140270-0-01		H-51- 5	Spring	1	140275-0-01	
H-48- 1	Presser Arm	1		H-48 Presser Foot Assembly 148161-0-01 (Ruffling)	H-51- 6	Nut	1	140273-0-01	
H-48- 2	Spring	1	140993-0-01		H-51- 7	Screw	1	140272-0-01	
H-48- 3	Screw	1	140992-0-01		H-51- 8	Presser Foot (Front)	1	144778-0-01	
H-48- 4	Presser Foot (Rear)	1	140991-0-01		H-51- 9	Screw	1	105288-0-01	
H-48- 5	Spring	1	140275-0-01		H-51-10	Presser Foot (U)	1	144777-0-01	
H-48- 6	Nut	1	140273-0-01		H-51-11	Screw	1	009660-7-12	
H-48- 7	Screw	1	140272-0-01		H-51-12	Presser Foot	1		
H-48- 8	Presser Foot (Front)	1	144778-0-01		H-51-13	Screw	1	140270-0-01	
H-48- 9	Screw	1	105288-0-01		H-52- 1	Presser Arm	1		H-52 Presser Foot Assembly 148260-0-01 (Denim)
H-48-10	Presser Foot (U)	1	144777-0-01		H-52- 2	Presser Foot Supporter	1	148016-0-01	
H-48-11	Screw	1	009660-7-12		H-52- 3	Presser Foot (Rear)	1	148019-0-01	
H-48-12	Presser Foot (D5)	1			H-52- 4	Screw	2	148015-0-01	
H-48-13	Screw	1	140270-0-01		H-52- 5	Screw	1	148015-0-01	
H-49- 1	Presser Arm	1		H-49 Presser Foot Assembly 148747-0-01 (Ruffling, W/piping)	H-52- 6	Screw	1	009660-6-12	
H-49- 2	Spring	1	140993-0-01		H-52- 7	Washer	1	025030-2-32	
H-49- 3	Screw	1	140992-0-01		H-52- 8	Presser Foot (Front)	1	148020-0-01	
H-49- 4	Presser Foot (Rear)	1	147787-0-01		H-52- 9	Presser Foot Under Supporter	1	148017-0-01	
H-49- 5	Spring	1	140275-0-01		H-52-10	Presser Foot	1		

J. Knives Mechanism



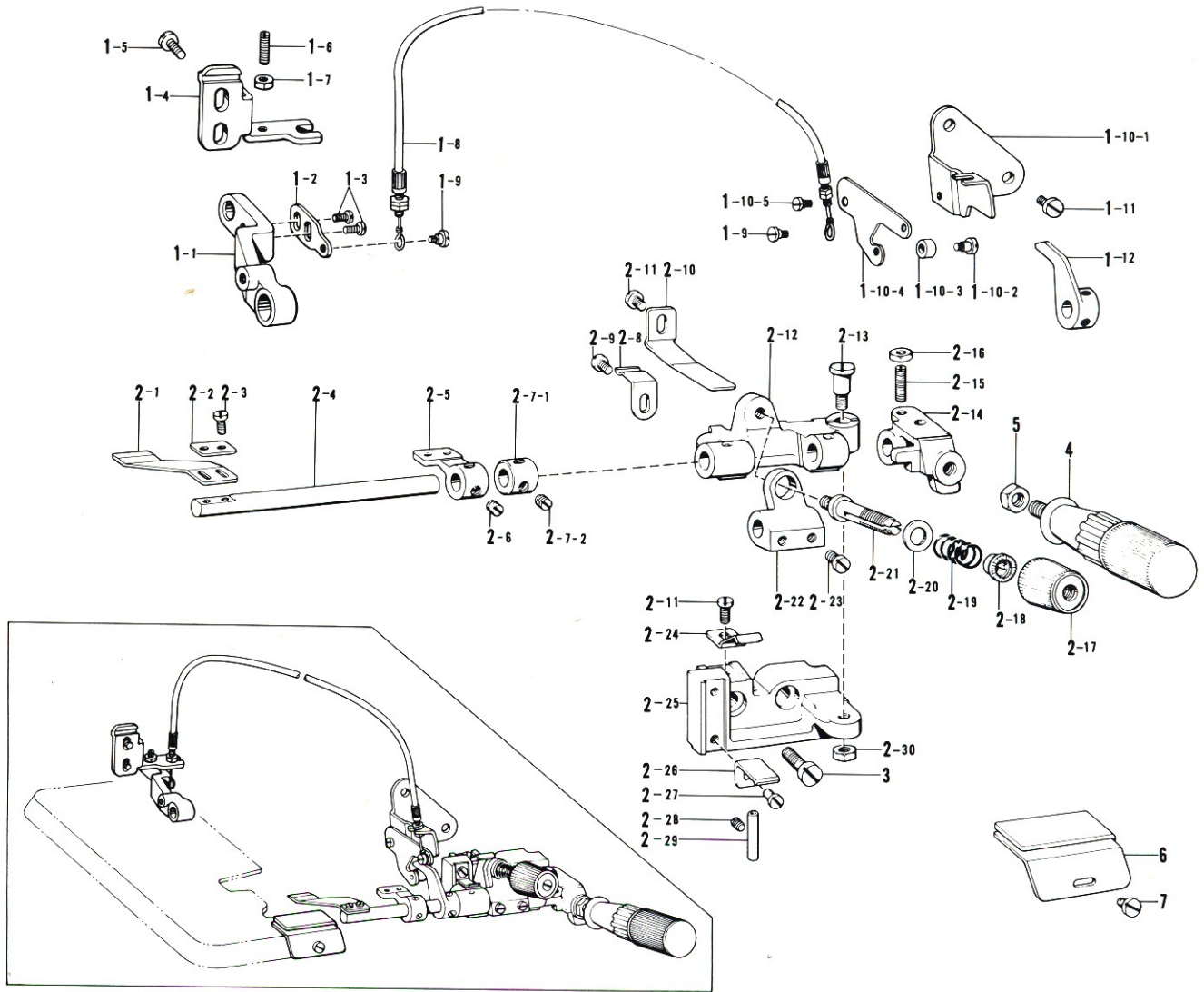
Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
J- 1	Upper Knife Driving Arm	1	146580-0-01		J-16	Screw	2	009670-6-12	
J- 2	Nut	1	148281-0-01		J-17	Lower Knife Holder Supporter	1	146582-0-01	
J- 3	Upper Knife	1	148198-0-01		J-18	Screw	1	107407-0-03	
J- 4	Bolt	1	144075-0-01		J-19	Bolt	1	017771-6-12	
J- 5	Upper Knife Holder	1	144179-0-01		J-20	Screw	1	102627-0-01	
J- 6	Screw	1	107407-0-03		J-21	Spring	1	146584-0-01	
J- 7	Knife Driving Shaft Bushing (Left)	1	148196-0-00		J-22	Cap	1	146586-0-00	
J- 8	Knife Driving Shaft Bushing (Right)	1	148197-0-00		J-23	Lower Knife Holder Spring Stopper	1	140248-0-01	
J- 9	Set Collar	1	146581-0-01		J-24	Screw	1	009680-7-12	
J-10	Screw	2	100260-0-01		J-25	Upper Knife Holder	1	148345-0-01	
J-11	Lower Knife Holder	1	146583-0-01		J-26	Upper Knife	1	148342-0-01	
J-12	Lower Knife	1	112436-0-01		J-27	Upper Knife Presser	1	148343-0-01	
J-13	Lower Knife Presser Plate	1	117515-0-01		J-28	Presser Plate	1	148344-0-01	
J-14	Bolt	1	117516-0-01		J-29	Screw	1	102424-0-03	
J-15	Lower Knife Holder Guide	1	146585-0-01		J-30	Screw	1	009671-0-14	

K. Threading



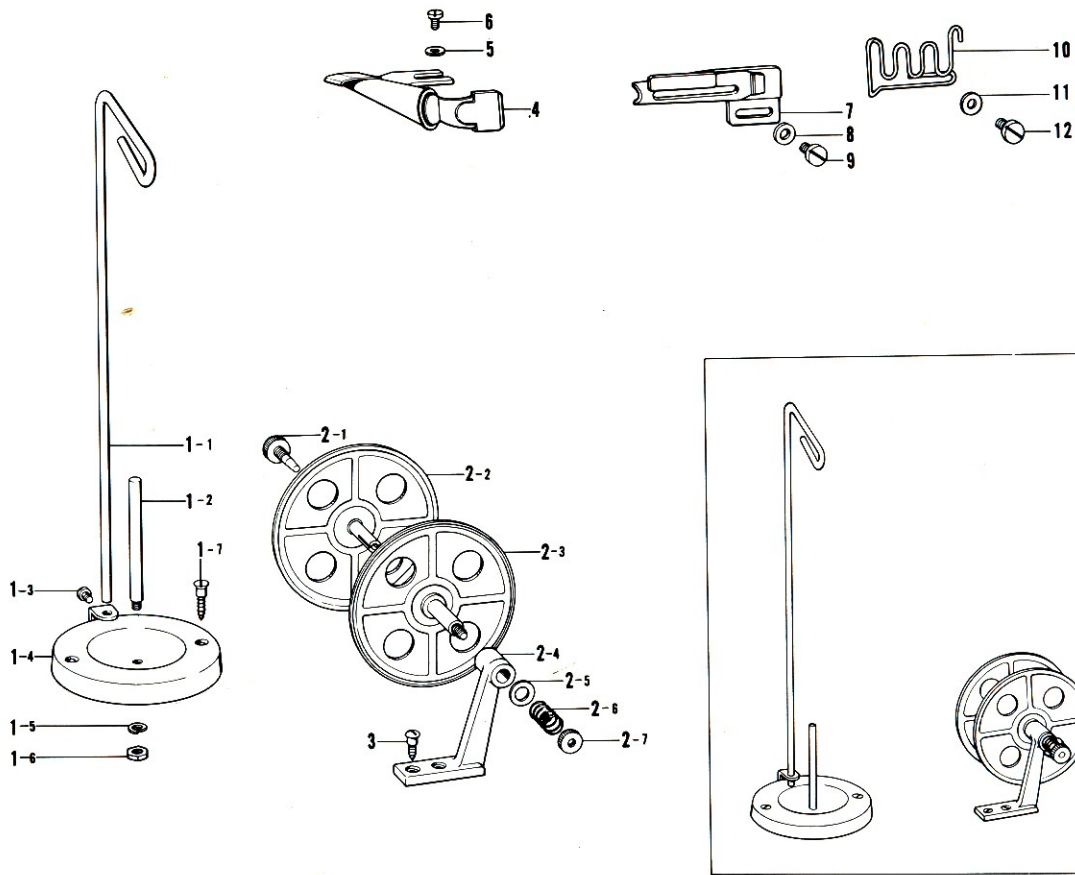
Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
K- 1	Needle Thread Take-up Supporter	1	147344-0-01		K-33	Screw	1	009670-6-12	
K- 2	Screw	1	009670-5-12		K-34	Over Looper Thread Guide	1	146929-0-01	
K- 3	Needle Thread Guard	1	112300-0-01		K-35	Screw	1	009670-6-12	
K- 4	Needle Thread Guard Spring	1	112299-0-01		K-36	Over Looper Thread Guide	1	142669-0-02	
K- 5	Screw	1	112301-0-01		K-37	Screw	1	122771-0-02	
K- 6	Needle Thread Guide (A)	1	143757-0-01		K-38	Thread Guide	1	146930-0-01	
K- 7	Screw	1	009670-8-12		K-39	Screw	1	009670-6-12	
K- 8	Needle Thread Take-up	1	144108-0-01		K-40	Chain Stitch Base Plate Assembly	1	146928-0-01	
K- 9	Washer	1	105248-0-03		K-41	Thread Guide (R)	1	146663-0-01	
K-10	Screw	1	009660-4-12		K-42	Washer	2	025630-2-32	
K-11	Thread Guide Supporter	1	146649-0-01		K-43	Screw	2	001630-4-02	
K-12	Looper Thread Tension Control Stud	4	110820-0-01		K-44	Thread Guide (L)	1	147272-0-01	
K-13	Felt	4	110832-0-01		K-45	Thread Handler	1	146662-0-01	
K-14	Tension Disc	8	145446-0-01		K-46	Washer	1	028350-2-43	
K-15	Presser for Tension Disc	4	144103-0-02		K-47	Screw	1	009670-4-12	
K-16	Spring	2	144104-0-01		K-48	Screw	2	009669-4-12	
K-17	Tension Spring Washer	4	144105-0-00		K-49	Chain Stitch Looper Take-up	1	140290-0-01	
K-18-1	Thread Tension Control Nut	1	149566-0-01	K-18 Thread Tension Control Nut Assembly 149568-0-03	K-50	Screw	2	014680-4-22	
K-18-2	Tension Indicating Plate	1	147049-0-03		K-51	Needle Thread Guide Plate	1	110813-0-01	
K-19	Main Thread Guide	1	148253-0-01		K-52	Thread Tension Control Stud	1	147148-0-01	
K-20	Screw	1	009681-4-12		K-53	Felt	1	110832-0-01	
K-21-1	Thread Tension Control Nut	1	149566-0-01	K-21 Thread Tension Control Nut Assembly 149568-0-01	K-54	Tension Disc	2	145446-0-01	
K-21-2	Tension Indicating Plate	1	147049-0-01		K-55	Thread Tension Adjusting Spring	1	147149-0-01	
K-22	Thread Guide Holder	1	148254-0-01		K-56	Tension Spring Washer	1	144105-0-00	
K-23	Under Looper Thread Guide	1	146926-0-02		K-57	Upper Thread Tension Adjusting Nut	1	151012-0-01	
K-24	Screw	1	009670-6-12		K-58	Chain Stitch Looper Thread Guide	1	151617-0-01	
K-25-1	Thread Tension Control Nut	1	149566-0-01	K-25 Thread Tension Control Nut Assembly 149568-0-02	K-59	Screw	1	009670-6-12	
K-25-2	Tension Indicating Plate	1	147049-0-02		K-60	Thread Guide (A) for Chain Stitch Looper	1	148256-0-01	
K-26	Spring	2	144110-0-01		K-61	Under Looper Thread Guide	1	146926-0-01	
K-27	Needle Thread Guide Plate	3	110813-0-01		K-62	Screw	1	009670-6-12	
K-28-1	Thread Tension Control Nut	1	149566-0-01	K-28 Thread Tension Control Nut Assembly 149568-0-04	K-63	Chain Stitch Needle Thread Guide	1	148255-0-01	
K-28-2	Tension Indicating Plate	1	147049-0-04		K-64	Screw	1	009670-8-12	
K-29	Over Looper Thread Take-up (R)	1	146652-0-01		K-65	Needle Thread Take-up	1	142201-0-01	
K-30	Under Looper Thread Take-up (R)	1	146653-0-01		K-66	Spring	2	148851-0-01	
K-31	Screw	1	009670-8-12						
K-32	Looper Thread Take-up (L)	1	146654-0-01						

L. Ruffler Interlocking Parts Assembly and Ruffling Attachment Assembly (1)



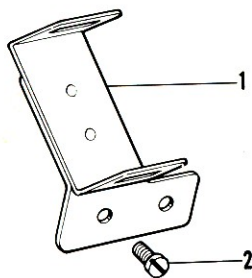
Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
L- 1- 1	Ruffling Plate Lifter Lever	1	149256-0-01	L-1 Ruffler Interlocking Parts Assembly 149252-0-02	L- 2-10	Spring Plate	1	145811-0-01	L-2 Ruffling Attachment Assembly 146587-0-01
L- 1- 2	Wire Plate	1	149255-0-01		L- 2-11	Screw	2	009680-6-12	
L- 1- 3	Screw	2	009670-6-12		L- 2-12	Bracket for Ruffling Blade	1	146588-0-01	
L- 1- 4	Lever Adjusting Plate	1	151614-0-01		L- 2-13	Screw	1	147933-0-01	
L- 1- 5	Screw	2	009761-0-12		L- 2-14	Handle Fixing Plate	1	145810-0-01	
L- 1- 6	Screw	1	153483-0-01		L- 2-15	Screw	1	110230-0-01	
L- 1- 7	Nut	1	110161-0-06		L- 2-16	Nut	1	105234-0-03	
L- 1- 8	Flexible Wire Assembly	1	149253-0-01		L- 2-17	Tension Nut	1	149566-0-01	
L- 1- 9	Screw	2	141514-0-01		L- 2-18	Tension Spring Washer	1	144105-0-00	
L- 1-10-1	Presser Foot Lifter Lever Support	1	148389-0-01	L-1-10 Ruffling Plate Lifter Lever Assembly 148395-0-01	L- 2-19	Spring	1	144788-0-01	
L- 1-10-2	Screw	1	112301-0-01		L- 2-20	Washer	1	025770-2-32	
L- 1-10-3	Roller	1	148390-0-01		L- 2-21	Looper Thread Tension Control Stud	1	110820-0-01	
L- 1-10-4	Ruffling Plate Lifter Lever	1	148388-0-01		L- 2-22	Spring Base	1	146590-0-01	
L- 1-10-5	Screw	1	141514-0-01		L- 2-23	Screw	2	105163-0-01	
L- 1-11	Screw	1	009680-8-12	L-2 Ruffling Attachment Assembly 146587-0-01	L- 2-24	Spring Plate	1	145808-0-01	
L- 1-12	Ruffling Plate Lifter	1	148387-0-01		L- 2-25	Ruffler Base	1		
L- 2- 1	Ruffling Blade	1	144783-0-01		L- 2-26	Ruffling Blade Guide	2	145807-0-01	
L- 2- 2	Washer	1	144784-0-01		L- 2-27	Screw	2	009680-8-12	
L- 2- 3	Screw	2	009660-7-12		L- 2-28	Screw	1	013679-4-12	
L- 2- 4	Ruffling Blade Base Shaft	1	145803-0-01		L- 2-29	Thread Guide Pipe	1	146592-0-01	
L- 2- 5	Wrapper Base	1	146589-0-01		L- 2-30	Nut	1	150553-0-02	
L- 2- 6	Screw	2	101706-0-01		L- 3	Screw	2	009781-8-12	
L- 2- 7-1	Collar	1			L- 4	Handle	1	145809-0-01	
L- 2- 7-2	Screw	2	101706-0-01	L-2-7 Collar Assembly 181995-0-02	L- 5	Nut	1	150556-0-02	
L- 2- 8	Spring	1	144764-0-01		L- 6	Ruffler Guide	1	144793-0-00	
L- 2- 9	Screw	1	001670-5-12		L- 7	Screw	1	112751-0-02	

M. Wrapper and Piping Parts



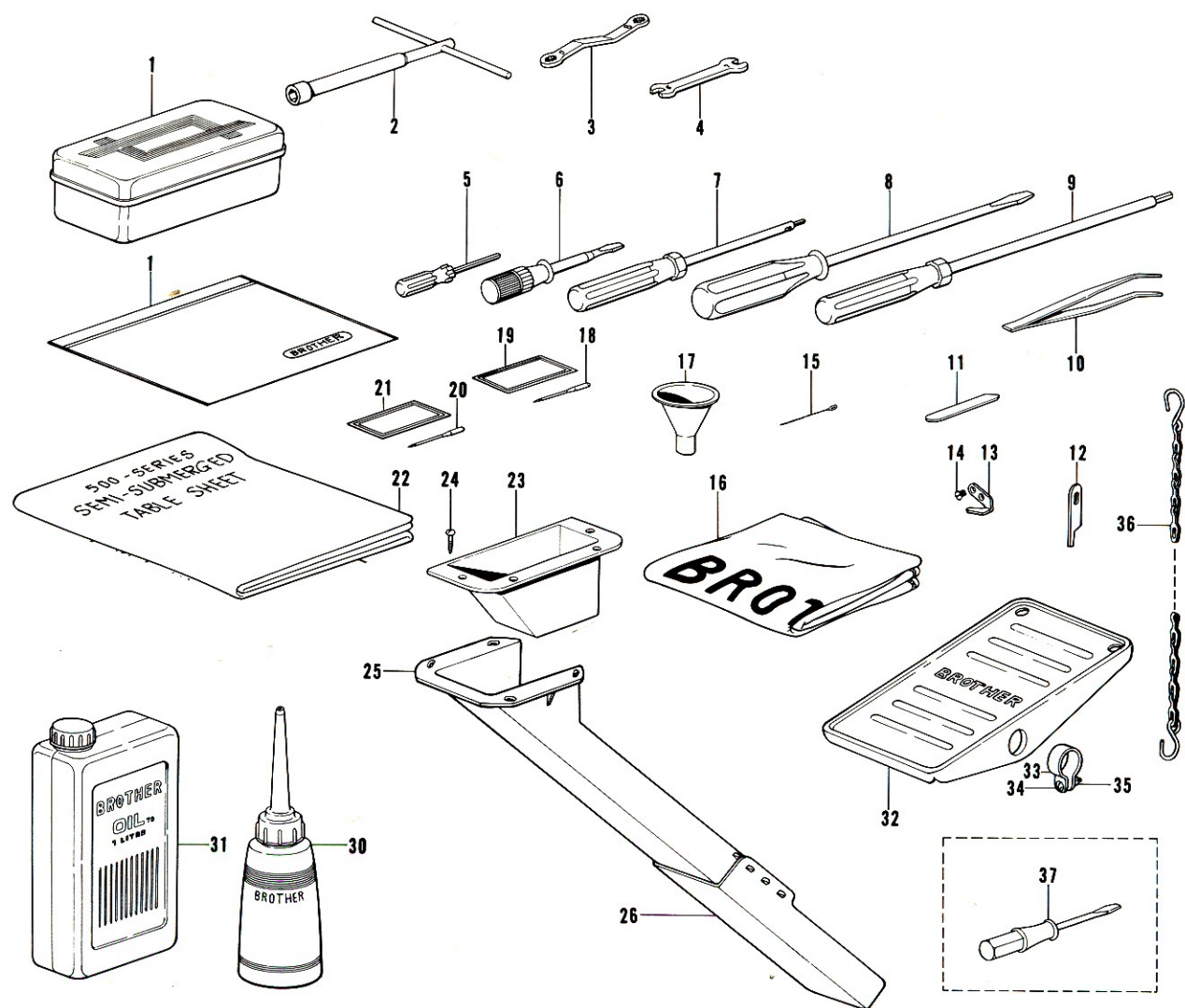
Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
M- 1- 1	Thread Guide Stud	1		M-1 Cotton Stand 181031-0-01	M- 2- 6	Spring	1	108495-0-01	M-2 Tape Winder Assembly 143767-0-02
M- 1- 2	Spool Stud	1	100444-0-02		M- 2- 7	Tension Control Nut	1	100136-0-01	
M- 1- 3	Screw	1	100080-0-02		M- 3	Screw	2	101118-0-01	
M- 1- 4	Spool Disc	1			M- 4	Wrapper Assembly	1	147440-0-00	
M- 1- 5	Spring Washer	1	028050-2-42		M- 5	Washer	2	110735-0-02	
M- 1- 6	Nut	1	110161-0-03		M- 6	Screw	2	009680-6-12	
M- 1- 7	Screw	2	100447-0-01		M- 7	Wrapper Assembly	1	147373-0-00	
M- 2- 1	Screw	1	143980-0-01	M-2 Tape Winder Assembly 143767-0-02	M- 8	Washer	2	025350-3-32	
M- 2- 2	Tape Winder Wheel (L)	1			M- 9	Screw	2	009670-5-12	
M- 2- 3	Tape Winder Wheel (R)	1			M-10	Tape Guide	1	147377-0-01	
M- 2- 4	Tape Winder Bracket	1			M-11	Washer	2	025350-3-32	
M- 2- 5	Washer	1	108494-0-01		M-12	Screw	2	009670-5-12	

N. Taping



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
N- 1	Tape Guide	1	146883-0-01	
N- 2	Screw	2	009669-4-12	

Z. Accessories (1)



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
Z- 1	Vinyl Bag		122991-0-01		Z-19	Needle Bag			
Z- 2	Wrench		140342-0-01		Z-20	Needle DM x 13			
Z- 3	Wrench		105343-0-01		Z-21	Needle Bag			
Z- 4	Spanner 6 x 7		107779-0-01		Z-22	Table Sheet		148258-0-01	
Z- 5	Screw Driver		144124-0-01		Z-23	Duster Drop		148430-0-01	
Z- 6	Screw Driver		118837-0-01		Z-24	Screw		031311-3-02	
Z- 7	Driver Wrench		146700-0-01		Z-25	Duster Shoot L		148431-0-01	
Z- 8	Screw Driver		101572-1-01		Z-26	Duster Shoot S		148432-0-01	
Z- 9	Screw Driver		149173-0-01		Z-28	Screw		031451-6-03	
Z-10	Tweezers		117466-0-00		Z-29	Table Sheet		149005-0-01	
Z-11	Lower Knife		112436-0-01		Z-30	Oiler		114483-0-01	
Z-12	Upper Knife		148198-0-01		Z-31	Oil Tank		145277-1-03	
Z-13	Trimming Knife		148259-0-01		Z-32	Treadle Pedal		147893-0-01	
Z-14	Screw		141542-0-01		Z-33	Pedal Stopper		116016-0-01	
Z-15	Threader		142125-0-00		Z-34	Screw		001401-4-06	
Z-16	Head Cover		144225-0-01		Z-35	Nut		021400-1-06	
Z-17	Funnel		140759-0-00		Z-36	Chain Assembly		142262-0-01	
Z-18	Needle DC x 1								

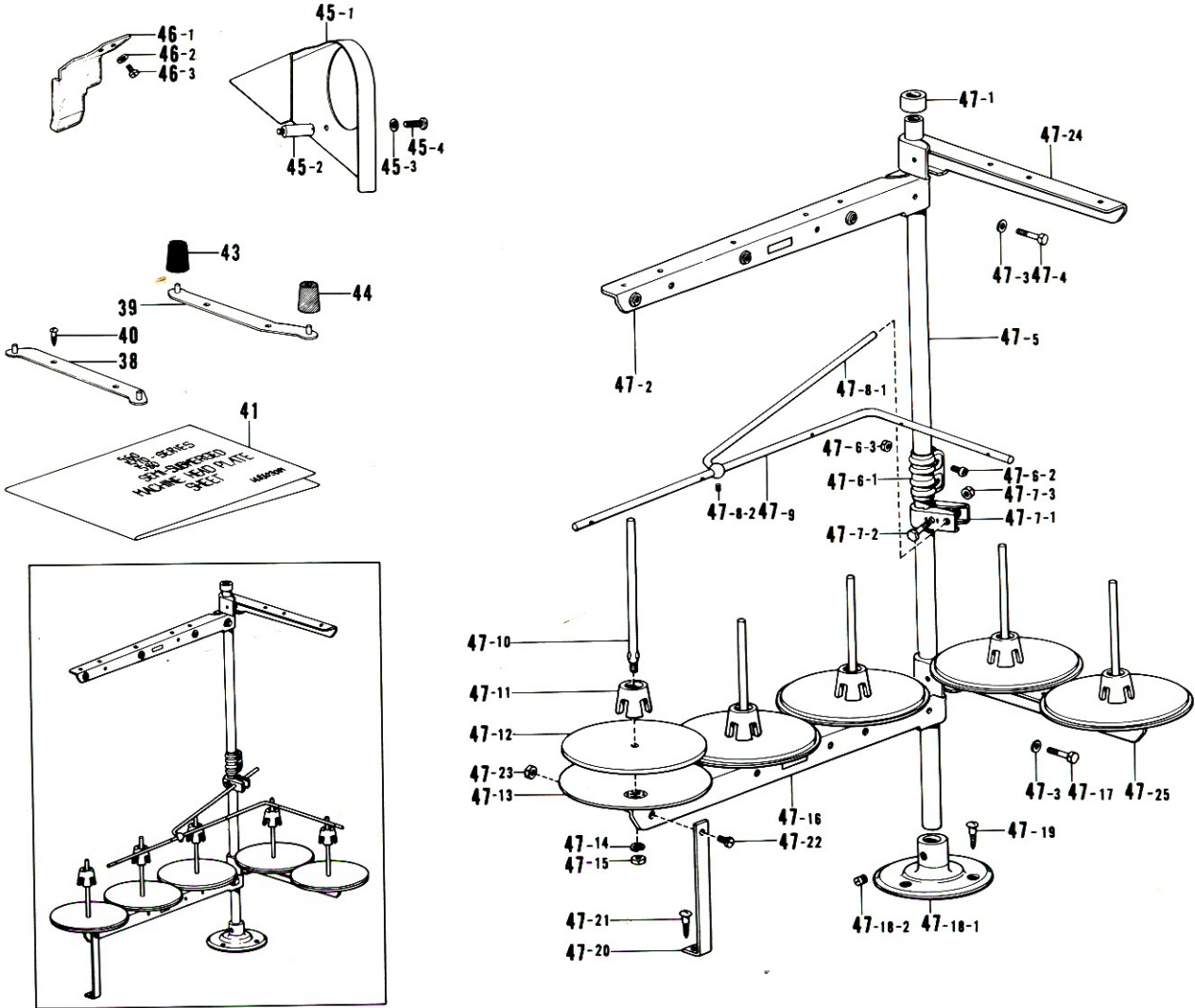
*The details of included accessories are subject to change.

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

*Änderungen in der Aufstellung der mitgelieferten Zubehöre sind vorbehalten.

*Los detalles de los accesorios incluidos pueden variar.

Z. Machine Head Plate and Cotton Stand Assembly (2)



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
Z-38	Cushion Base (Left)		148292-0-01		Z-47- 7-3	Nut		021500-1-03	Z-47- 7 150145-0-01
Z-39	Cushion Base (Right)		148290-0-01		Z-47- 8-1	Thread Guide Stopper Bar		142996-0-01	Z-47-8 Thread Guide Stopper Bar 142971-0-01
Z-40	Screw		031451-6-03		Z-47- 8-2	Screw		013719-4-12	
Z-41	Machine Head Plate Sheet		148303-0-01		Z-47- 9	Thread Guide 5		142999-0-01	
Z-43	Cushion		147919-0-01		Z-47-10	Spool Shaft B		150179-0-01	
Z-44	Cushion		147919-0-02		Z-47-11	Spool Cushion		147060-0-01	
Z-45- 1	Belt Cover			Z-45	Z-47-12	Spool Mat		150182-0-00	Z-47 Cotton Stand Assembly 150162-0-01
Z-45- 2	Belt Cover Stud		148042-0-01	Belt Cover Assembly 148348-0-01	Z-47-13	Spool Stand Base		150180-0-00	
Z-45- 3	Washer		113431-0-02		Z-47-14	Washer		028050-2-43	
Z-45- 4	Screw		009681-0-12		Z-47-15	Nut		021500-1-03	
Z-46- 1	Eye Guard for Overlock		150550-0-00	Z-46	Z-47-16	Spool Holder Assembly		150175-0-01	
Z-46- 2	Washer		025030-2-32	Eye Guard Assembly 151017-0-01	Z-47-17	Screw		017502-8-03	
Z-46- 3	Screw		009660-5-12		Z-47-18-1	Cotton Stand Base		150189-0-01	Z-47-18 Cotton Stand Base Assembly 150139-0-01
Z-47- 1	Cap		150174-0-00		Z-47-18-2	Screw		150181-0-01	
Z-47- 2	Thread Hanger Assembly		147055-0-01	Z-47	Z-47-19	Screw		031452-2-03	
Z-47- 3	Washer		025050-2-33	Cotton Stand Assembly 150162-0-01	Z-47-20	Spool Holder Supporter A		150188-0-01	
Z-47- 4	Screw		017502-8-03		Z-47-21	Screw		031452-2-03	
Z-47- 5	Pipe		150172-0-01		Z-47-22	Screw		007501-0-03	
Z-47- 6-1	Joint		150173-0-01	Z-47-6	Z-47-23	Nut		021500-1-03	
Z-47- 6-2	Screw		150202-0-01	Joint for Cotton Stand 150106-0-01	Z-47-24	Thread Hanger Assembly		147056-0-01	
Z-47- 6-3	Nut		021500-1-03		Z-47-25	Spool Holder Assembly		150177-0-01	
Z-47- 7-1	Thread Guide Holder		150185-0-01	Z-47-7 Thread Guide Holder 150145-0-01					
Z-47- 7-2	Screw		017502-8-03						

*The details of included accessories are subject to change.

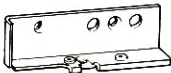
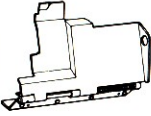
*Les détails des accessoires inclus sont sujets à des changements.

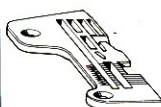
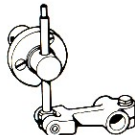
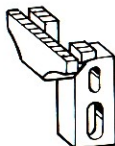
★ The Belt Cover Assembly (Z-45) is special order parts.

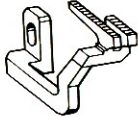
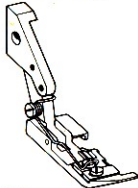
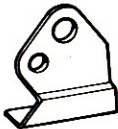
*Änderungen in der Aufstellung der mitgelieferten Zubehöre sind vorbehalten.

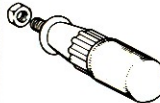
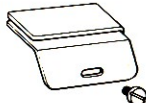
*Los detalles de los accesorios incluidos pueden variar.

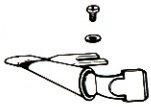
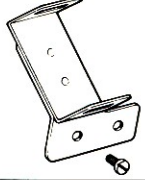
DIFFERENT PARTS LIST

Sub Class	Specifications	Label 061-		Oil Cap 		Supporter for Front Cover Assembly 		Front Cover Assembly 		Label 		Threading Diagram 	
061-3 -4	Thin	A-13	146976-0-01 146976-0-02	A-16	143196-0-01			A-21	148987-0-01	A-23	147943-0-01	A-24	148104-0-01
062-3	Thin	A-13	146976-0-04									A-29	148105-0-01
063-3 -4 -5	Thin, medium	A-13	146976-0-07 146976-0-08 146976-0-09							A-23	147943-0-01	A-24	148104-0-01
064-5	Thin, medium	A-13	146976-0-12									A-29	148105-0-01
065-5	Mediamheavy	A-13	146976-0-13							A-23	147943-0-01	A-24	148104-0-01
066-5	Mediamheavy	A-13	146976-0-16									A-29	148105-0-01
067-4	Ruffling	A-13	146976-0-19			A-17	146444-0-01	A-30	148101-0-01	A-23	147943-0-01	A-24	148104-0-01
069-5	Ruffling	A-13	146976-0-21										
071-6	Ruffling	A-13	146976-0-23										
073-4	Ruffling (w/piping)	A-13	146976-0-25										
075-5	Ruffling (w/piping)	A-13	146976-0-27										
077-6	Ruffling (w/piping)	A-13	146976-0-29										
079-4	Taping	A-13	146976-0-32	A-16	143196-0-01			A-21	148987-0-01			A-29	148105-0-01
081-5	Taping	A-13	146976-0-39										
082-5	Taping	A-13	146976-0-42										
083-5	Taping	A-13	146976-0-43										
087-6	Denim	A-13	146976-0-51										
089-5	Binding	A-13	146976-0-69										
092-6	Denim	A-13	146976-0-90			A-32	147367-0-01	A-31	148989-0-01	A-23	147943-0-01	A-24	148104-0-01
						A-17	146444-0-01	A-21	148987-0-01				

Sub Class	Needle Clamp Assembly		Needle Plate		Needle DCx1 Needle DMx13		Over Looper		Over Looper Assembly		Chain Feed Dog		Main Feed Dog					
																		
061-3 -4	B- 4	146487-0-01	B-15	146498-0-01 146499-0-01	B-24 B-25	112297-0-11 140104-0-11	D-14	147934-0-01			G-40	146577-0-01	G-42	146567-0-01				
062-3			B-15	146498-0-01			D-21	147935-0-01										
063-3 -4 -5	B-30	146489-0-01	B-32	146501-0-01 146502-0-01 146503-0-01	B-24 B-25	112297-0-14 140104-0-14	D-14	147934-0-01										
064-5			B-32	146503-0-01			D-21	147935-0-01										
065-5	B-31	146491-0-01	B-33	146504-0-01	B-24 B-25	112297-0-16 140104-0-16	D-14	147934-0-01					G-48	146568-0-01				
066-5							D-21	147935-0-01										
067-4	B- 4	146487-0-01	B-34	146507-0-01	B-24 B-25	112297-0-14 140104-0-14	D-14	147934-0-01					D-15	148209-0-01	G-50	148189-0-01	G-51	148190-0-01
069-5	B-30	146489-0-01	B-35	146508-0-01													G-55	148191-0-01
071-6	B-31	146491-0-01	B-36	146509-0-01													G-52	148750-0-01
073-6	B- 4	146487-0-01	B-34	146507-0-01													G-53	148751-0-01
075-5	B-30	146489-0-01	B-35	146508-0-01					G-56	148752-0-01								
077-6	B-31	146491-0-01	B-36	146509-0-01														
079-4	B- 4	146487-0-01	B-15	146499-0-01	B-24 B-25	112297-0-11 140104-0-11	G-42	146567-0-01										
081-5	B-30	146489-0-01	B-32	146503-0-01	B-24 B-25	112297-0-14 140104-0-14			D-21	147935-0-01								
082-5																		
083-5	B-31	146491-0-01	B-33	146504-0-01	B-24 B-25	112297-0-16 140104-0-16	D-14	147934-0-01	G-40	146577-0-01	G-48	146568-0-01						
087-6			B-38	146510-0-01	B-24 B-25	112297-0-21 140104-0-21	D-20	147937-0-01			D-19	148217-0-01	G-58	146569-0-01				
089-5	B-30	146489-0-01	B-37	147369-0-01	B-24 B-25	112297-0-14 140104-0-14	D-14	147934-0-01			D-15	148209-0-01	G-42	146567-0-01				
092-6	B-31	146491-0-01	B-38	146510-0-01	B-24 B-25	112297-0-21 140104-0-21	D-20	147937-0-01			D-19	148217-0-01	G-58	146569-0-01				

Sub Class	Differential Feed Dog	Presser Foot Assembly	Upper Knife	Bolt or Screw	Upper Knife Holder	Upper Knife Presser	Upper Knife Presser Plate							
														
061-3 -4	G-44	146572-0-01	H-31	148155-0-01										
062-3														
063-3 -4 -5														
064-5														
065-5	G-49	146573-0-01	H-41	148153-1-01										
066-5														
067-4	G-54	146575-0-01	H-46	148158-0-01										
069-5			H-47	148160-0-01										
071-6	G-57	146576-0-01	H-48	148161-0-01	J- 5 J- 6 144179-0-01 107407-0-03									
073-4	G-54	146575-0-01	H-49	148747-0-01										
075-5			H-50	148748-0-01										
077-6	G-57	146576-0-01	H-51	148749-0-01										
079-4	G-44	146572-0-01	H-43	149589-0-01										
081-5			H-44	148162-1-01										
082-5														
083-5	G-49	146573-0-01	H-45	149918-0-01										
087-6	G-59	146574-0-01	H-52	148260-0-01										
089-5	G-44	146572-0-01	H-42	148263-1-01										
092-6	G-59	146574-0-01	H-52	148260-0-01	J-26	148342-0-01	J-30	009671-0-14	J-25 J-29	148345-0-01 102424-0-03	J-27	148343-0-01	J-28	148344-0-01

Sub Class	Needle Thread Take-up		Spring		Ruffler Inter-Locking Parts Assembly		Ruffling Attachment Assembly		Handle Nut		Ruffler Guide		Cotton Stand				
																	
061-3 -4	K- 8	144108-0-01															
062-3	K-65	142201-0-01															
063-3 -4 -5	K- 8	144108-0-01															
064-5	K-65	142201-0-01															
065-5	K- 8	144108-0-01															
066-5	K-65	142201-0-01															
067-4	K- 8	144108-0-01			K-16	144104-0-01	L-1	149252-0-02	L-2 L-3	146587-0-01 009781-8-12	L-4 L-5	145809-0-01 150556-0-02	L-6 L-7	144793-0-00 112751-0-02			
069-5																	
071-6																	
073-4																	
075-5																M-1	181031-0-01
077-6																	
079-4																	
081-5																	
082-5	K-65	142201-0-01															
083-5	K- 8	144108-0-01															
			K-66	148851-0-01													
089-5			K-16	144104-0-01													
			K-66	148851-0-01													

Sub Class	Tape Winder Assembly 		Wrapper Assembly 		Tape Guide 		Tape Guide 		Needle DCx1 Needle DMx13 					
061-3 -4									Z-18	112297-0-11				
062-3									Z-20	140104-0-11				
063-3 -4 -5									Z-18	112297-0-14				
064-5									Z-20	140104-0-14				
065-5									Z-18	112297-0-16				
066-5									Z-20	140104-0-16				
067-4														
069-5														
071-6									Z-18	112297-0-14				
073-4									Z-20	140104-0-14				
075-5	M-2 M-3	143767-0-02 101118-0-01	M-4 M-5 M-6	147440-0-00 110735-0-02 009680-6-12										
077-6														
079-4									Z-18	112297-0-11				
081-5							N-1 N-2	146883-0-01 009669-4-12	Z-18	112297-0-14				
082-5									Z-20	140104-0-14				
083-5									Z-18	112297-0-16				
									Z-20	140104-0-16				
087-6									Z-18	112297-0-21				
									Z-20	140104-0-21				
089-5	M-2 M-3	143767-0-02 101118-0-01	M-7 M-8 M-9	147373-0-00 025350-3-32 009670-5-12	M-10 M-11 M-12	147377-0-01 025350-3-32 009670-5-12			Z-18	112297-0-14				
									Z-20	140104-0-14				
092-6									Z-18	112297-0-21				
									Z-20	140104-0-21				

I N D E X

Parts No.	Ref. No.	Remark	Parts No.	Ref. No.	Remark	Parts No.	Ref. No.	Remark	Parts No.	Ref. No.	Remark
001401-4-06	Z-34		009680-7-12	J-24		048025-3-42	H-41- 9		110672-0-00	C-22	
001630-4-02	K-43		009680-7-14	A-41			H-42- 9		110673-0-00	C-23	
001670-5-12	L- 2- 9		009680-8-12	L- 1-11			H-44- 9		110735-0-02	M- 5	
007501-0-03	Z-47-22			L- 2-27			H-45- 9		110813-0-01	K-27	
009630-6-12	F- 1		009681-0-12	C-20		072600-0-00	C- 4			K-51	
009630-8-12	G-41			Z-45- 4		072600-1-00	C-13		110820-0-01	K-12	
009639-3-12	H-31- 8		009681-2-12	A-11			C-21			L- 2-21	
	H-43- 5		009681-4-12	K-20		081002-6-70	H-20		110832-0-01	K-13	
009660-4-12	K-10		009681-6-12	H-15		100022-0-05	H-29			K-53	
009660-5-12	Z-46- 3		009761-0-12	L- 1- 5		100032-0-03	A- 4		111486-0-01	B-17	
009660-6-12	H-52- 6		009781-8-12	L- 3			A-42		112297-0-11	B-24	
009660-7-12	H-46-11		013679-4-12	L- 2-28			B-16			Z-18	
	H-47-11		013719-4-12	D-15- 6		100080-0-02	M- 1- 3		112297-0-14	B-24	
	H-48-11			D-19- 6		100136-0-01	M- 2- 7			Z-18	
	H-49-11			Z-47- 8- 2		100260-0-01	D-10		112297-0-16	B-24	
	H-50-11		013760-6-12	A-71			J- 10			Z-18	
	H-51-11			E- 8- 2		100366-0-01	B-10		112297-0-21	B-24	
	L- 2- 3		013761-4-10	C-18			B-11- 3			Z-18	
009669-4-12	B- 1- 7		014680-4-22	A-55			B-11-10		112299-0-01	K- 4	
	B-27			D-14- 2			G-19- 2		112300-0-01	K- 3	
	H- 9			D-15- 3		100444-0-02	M- 1- 2		112301-0-01	K- 5	
	K-48			D-19- 3		100447-0-01	M- 1- 7			L- 1-10-2	
	N- 2			D-20- 2		101118-0-01	M- 3		112436-0-01	J-12	
009670-4-12	A-21- 4			D-21- 2		101572-1-01	Z- 8			Z-11	
	A-30- 4			E- 2		101706-0-01	A-74- 2		112751-0-02	L- 7	
	A-31- 4			E-21			L- 2- 6		112754-0-01	A-75	
	K-47			F-26			L- 2- 7 -2		113431-0-02	G-38	
009670-5-12	D- 4			K-50		101706-0-03	F-11- 2			G-46	
	D- 6		017502-8-03	Z-47- 4			G-34- 2			Z-45- 3	
	E- 4			Z-47- 7- 2		102424-0-03	J-29		113589-0-01	A-53	
	E- 6			Z-47-17		102538-0-02	C-25		114255-0-02	B- 6	
	E-14		017761-4-12	F-19		102627-0-01	J-20		114483-0-01	Z-30	
	H-30- 4			G- 8		102843-0-04	A-48		116016-0-01	Z-33	
	K- 2			G-14			C- 9		116231-0-01	G-10	
	M- 9			G-20			C-11			G-16	
	M-12		017761-6-12	B-11-11		104908-0-01	H-22		117160-0-01	A-18	
009670-6-12	A- 6			B-12		105163-0-01	L- 2-23		117466-0-00	Z-10	
	A-26		017771-4-12	F- 7- 2		105234-0-03	L- 2-16		117515-0-01	J- 13	
	A-47		017771-6-12	A-59		105248-0-03	K- 9		117516-0-01	G-43	
	A-49			D- 2		105288-0-01	H-40-11			J- 14	
	A-63			J- 19			H-41-11		117591-0-01	F-15	
	A-66		018061-6-22	B-22			H-42-11		117608-0-01	B-19	
	A-68		021400-1-06	Z-35			H-44-11		118768-0-01	A-87	
	A-85		021500-1-03	Z-47- 6- 3			H-45-11		118837-0-01	Z- 6	
	J- 16			Z-47- 7- 3			H-46- 9		122771-0-02	H-40- 5	
	K-24			Z-47-15			H-47- 9			H-41- 5	
	K-33			Z-47-23			H-48- 9			H-42- 5	
	K-35		021670-2-02	B-21			H-49- 9			H-44- 5	
	K-39		021680-2-02	H-14			H-50- 9			H-45- 5	
	K-59		025030-2-32	H-52- 7			H-51- 9			K-37	
	K-62			Z-46- 2		105343-0-01	Z- 3		122991-0-01	Z- 1	
	L- 1- 3		025050-2-33	Z-47- 3		106120-0-02	A-86		123185-0-01	A-20	
009670-8-12	B- 1- 6		025060-1-32	F-18		106568-0-01	A- 2		140041-0-01	A-46	
	C- 2		025060-2-32	F-17		107244-0-01	C-24		140065-0-01	G- 1	
	E-23		025350-3-32	M- 8		107351-0-01	B-23		140066-0-01	B-14	
	K- 7			M-11		107407-0-03	A-22			D- 7	
	K-31		025630-2-32	K-42			G-39		140077-0-01	A-64	
	K-64		025770-2-32	L- 2-20			G-47		140084-0-00	C-15	
009671-0-14	J- 30		028050-2-42	M- 1- 5			J- 6		140085-0-03	C-16	
009671-4-12	B-20		028050-2-43	Z-47-14			J- 18		140092-0-01	B- 9	
009680-6-12	L- 2-11		028350-2-43	K-46		107779-0-01	Z- 4		140104-0-11	B-25	
	M- 6		031311-3-02	Z-24		108494-0-01	M- 2- 5			Z-20	
009680-7-12	A-28		031451-6-03	Z-28		108495-0-01	M- 2- 6		140104-0-14	B-25	
	A-77			Z-40		108809-0-01	D-18			Z-20	
	A-79		031452-2-03	Z-47-19		109203-0-01	A-58		140104-0-16	B-25	
	A-90			Z-47-21		110161-0-03	M- 1- 6			Z-20	
	B-29		047140-8-42	A-21- 7		110161-0-06	L- 1- 7		140104-0-21	B-25	
	D-16			A-30- 7		110230-0-01	L- 2-15			Z-20	
	G-30			A-31- 7		110641-0-01	A-57		140180-0-01	C-17	
	H-24		048025-3-42	H-40- 9		110670-0-00	C-19		140208-0-01	G-24	

Parts No.	Ref. No.	Remark	Parts No.	Ref. No.	Remark	Parts No.	Ref. No.	Remark	Parts No.	Ref. No.	Remark	
140248-0-01	J-23		142999-0-01	Z-47- 9		146442-0-01	A-21- 2		146883-0-01	N- 1		
140270-0-01	H-41-13		143196-0-01	A-16			A-30- 2		146901-0-01	H-40- 3		
	H-45-13		143312-0-00	C- 3			A-31- 2			H-41- 3		
	H-46-13		143374-0-01	A-72		146444-0-01	A-17			H-42- 3		
	H-47-13		143444-0-01	E- 9		146446-0-01	A-19			H-44- 3		
	H-48-13		143757-0-01	K- 6		146472-0-01	C- 1			H-45- 3		
	H-49-13		143767-0-02	M- 2		146483-0-01	B- 2		146924-0-00	A-17- 2		
	H-50-13		143980-0-01	M- 2- 1		146486-0-00	B- 3			A-32- 2		
	H-51-13		144031-0-00	D-13		146487-0-01	B- 4		146926-0-01	K-61		
140271-0-01	H-47- 4		144049-0-01	E-20		146489-0-01	B-30		146926-0-02	K-23		
140272-0-01	H-46- 7		144075-0-01	J- 4		146491-0-01	B-31		146928-0-01	K-40		
	H-47- 7		144103-0-02	K-15		146498-0-01	B-15		146929-0-01	K-34		
	H-48- 7		144104-0-01	K-16		146499-0-01	B-15		146930-0-01	K-38		
	H-49- 7		144105-0-00	K-17		146501-0-01	B-32		146976-0-01	A-13		
	H-50- 7			K-56		146502-0-01	B-32		146976-0-02	A-13		
	H-51- 7			L- 2-18		146503-0-01	B-32		146976-0-04	A-13		
140273-0-01	H-46- 6		144108-0-01	K- 8		146504-0-01	B-33		146976-0-07	A-13		
	H-47- 6		144110-0-01	K-26		146507-0-01	B-34		146976-0-08	A-13		
	H-48- 6		144124-0-01	Z- 5		146508-0-01	B-35		146976-0-09	A-13		
	H-49- 6		144127-0-01	E-22		146509-0-01	B-36		146976-0-12	A-13		
	H-50- 6		144179-0-01	J- 5		146510-0-01	B-38		146976-0-13	A-13		
	H-51- 6		144225-0-01	Z-16		146547-0-00	G-33		146976-0-16	A-13		
140275-0-01	H-46- 5		144458-0-01	E-12		146549-0-01	G-31		146976-0-19	A-13		
	H-47- 5		144764-0-01	L- 2- 8		146567-0-01	G-42		146976-0-21	A-13		
	H-48- 5		144777-0-01	H-46-10		146568-0-01	G-48		146976-0-23	A-13		
	H-49- 5			H-47-10		146569-0-01	G-58		146976-0-25	A-13		
	H-50- 5			H-48-10		146572-0-01	G-44		146976-0-27	A-13		
		H-49-10			146573-0-01	G-49		146976-0-29	A-13			
140290-0-01	K-49				H-50-10		146574-0-01	G-59		146976-0-32	A-13	
140313-0-01	F- 8			H-51-10		146575-0-01	G-54		146976-0-39	A-13		
140327-0-01	F- 9		144778-0-01	H-46- 8		146576-0-01	G-57		146976-0-42	A-13		
140342-0-01	Z- 2			H-47- 8		146577-0-01	G-40		146976-0-43	A-13		
140759-0-00	Z-17			H-48- 8		146580-0-01	J- 1		146976-0-51	A-13		
140774-0-00	G-22			H-49- 8		146581-0-01	D- 9		146976-0-69	A-13		
140991-0-01	H-48- 4			H-50- 8			J- 9		146976-0-90	A-13		
				H-51- 8		146582-0-01	J- 17		147049-0-01	K-21- 2		
140992-0-01	H-46- 3			L- 2- 1		146583-0-01	J- 11		147049-0-02	K-25- 2		
	H-47- 3		144783-0-01	L- 2- 2		146584-0-01	J- 21		147049-0-03	K-18- 2		
	H-48- 3		144784-0-01	L- 2-19		146585-0-01	J- 15		147049-0-04	K-28- 2		
	H-49- 3		144788-0-01	L- 6		146586-0-00	J- 22		147055-0-01	Z-47- 2		
	H-50- 3		144793-0-00	H-40-10		146587-0-01	L- 2		147056-0-01	Z-47-24		
	H-51- 3		145147-0-01									
140993-0-01	H-46- 2			H-41-10		146588-0-01	L- 2-12		147060-0-01	Z-47-11		
	H-47- 2			H-44-10		146589-0-01	L- 2- 5		147148-0-01	K-52		
	H-48- 2			H-45-10		146590-0-01	L- 2-22		147149-0-01	K-55		
	H-49- 2		145277-1-03	Z-31		146592-0-01	L- 2-29		147272-0-01	K-44		
	H-50- 2		145446-0-01	K-14		146617-0-01	E-17		147344-0-01	K- 1		
	H-51- 2			K-54		146634-0-01	F-22		147367-0-01	A-32		
141183-0-00	A-73		145803-0-01	L- 2- 4		146635-0-01	F-25		147369-0-01	B-37		
141393-0-01	H-13		145807-0-01	L- 2-26		146644-0-00	A-88		147371-0-01	H-42-10		
141514-0-01	L- 1- 9		145808-0-01	L- 2-24		146649-0-01	K-11		147373-0-00	M- 7		
	L- 1-10- 5		145809-0-01	L- 4		146652-0-01	K-29		147377-0-01	M-10		
141528-0-02	H- 4		145810-0-01	L- 2-14		146653-0-01	K-30		147440-0-00	M- 4		
141542-0-01	Z-14		145811-0-01	L- 2-10		146654-0-01	K-32		147488-0-01	H-50- 4		
142125-0-00	Z-15		146315-0-00	A-70		146662-0-01	K-45		147489-0-01	H-51- 4		
142201-0-01	K-65		146421-0-00	A-52		146663-0-01	K-41		147691-0-00	B- 7		
142243-0-01	H-31- 5		146426-0-00	A- 8		146700-0-01	Z- 7		147787-0-01	H-49- 4		
	H-43- 8		146427-0-01	A- 9		146865-0-01	H-40-13		147893-0-01	Z-32		
142244-0-01	H-31- 7			A-83			H-42-13		147919-0-01	Z-43		
	H-43- 4			B- 1- 3			H-44-13		147919-0-02	Z-44		
142245-0-01	H 31- 6			B- 4- 2			146869-0-01	H-40- 2		147933-0-01	L- 2-13	
	H-43- 6			B-30- 2				H-41- 2		147934-0-01	D-14	
142246-0-01	H-31- 2		B-31- 2		H-42- 2			147935-0-01	D-21			
	H-43- 2		F-20		H-44- 2			147937-0-01	D-20			
142247-0-01	H-31- 3		H- 6		H-45- 2			147943-0-01	A-23			
	H-43- 3		146440-0-01	A-21- 6		146870-0-01	H-40- 4		148015-0-01	H-52- 4		
142262-0-01	Z-36		A-30- 6		H-41- 4				H-52- 5			
142669-0-02	K-36		A-31- 6		H-42- 4			148016-0-01	H-52- 2			
142674-0-00	G-21		146441-0-00	A-21- 8			H-44- 4		148017-0-01	H-52- 9		
142971-0-01	Z-47- 8			A-30- 8			H-45- 4		148019-0-01	H-52- 3		
142996-0-01	Z-47- 8- 1			A-31- 8		146880-0-01	H-46- 4		148020-0-01	H-52- 8		

Parts No.	Ref. No.	Remark	Parts No.	Ref. No.	Remark	Parts No.	Ref. No.	Remark	Parts No.	Ref. No.	Remark
148042-0-01	Z-45- 2		148173-0-00	G-32- 3		148290-0-01	Z-39		149265-0-01	H-41- 7	
148065-0-01	A-10		148174-0-00	G-37		148292-0-01	Z-38			H-45- 7	
148066-0-00	A-12		148175-0-00	G-45		148303-0-01	Z-41		149266-0-01	H-41- 8	
148067-0-01	A-40		148176-0-01	G-35		148304-0-01	A- 5			H-45- 8	
148068-0-00	A-43		148177-0-01	G-13		148315-0-01	A-89		149532-0-01	B-32	
148069-0-01	A-82		148178-0-01	G-15		148342-0-01	J- 26		149533-0-01	B-32	
148070-0-01	A-78		148179-0-01	G- 7		148343-0-01	J- 27		149566-0-01	K-18- 1	
148071-0-00	A-80		148180-0-01	G- 9		148344-0-01	J- 28			K-21- 1	
148072-0-01	A-84		148181-0-01	G- 4		148345-0-01	J- 25			K-25- 1	
148073-0-01	A- 7		148182-0-01	G-17		148346-0-01	H-30			K-28- 1	
148074-0-01	A-45		148183-0-01	G- 5		148348-0-01	Z-45			L- 2-17	
148075-0-00	A-44		148184-0-00	G-25		148373-0-00	C- 7		149568-0-01	K-21	
148076-0-01	A-67		148185-0-01	G-26		148387-0-01	L- 1-12		149568-0-02	K-25	
148077-0-01	A-69		148186-0-01	G-23		148388-0-01	L- 1-10- 4		149568-0-03	K-18	
148078-0-01	A-62		148189-0-01	G-50		148389-0-01	L- 1-10- 1		149568-0-04	K-28	
148082-0-01	A- 3		148190-0-01	G-51		148390-0-01	L- 1-10- 3		149589-0-01	H-43	
148083-0-01	A- 1		148191-0-01	G-55		148395-0-01	L- 1-10		149918-0-01	H-45	
148084-0-01	A-54		148196-0-00	J- 7		148403-0-01	G-28		150106-0-01	Z-47- 6	
148085-0-01	A-56		148197-0-00	J- 8		148404-0-01	G-27		150139-0-01	Z-47-18	
148086-0-00	C- 5		148198-0-01	J- 3		148425-0-01	D- 1- 1- 3		150145-0-01	Z-47- 7	
148087-0-01	A-60			Z-12			E- 1- 1- 2		150162-0-01	Z-47	
148088-0-00	A-61		148200-0-01	D- 1		148430-0-01	Z-23		150172-0-01	Z-47- 5	
148089-0-01	A-65		148204-0-01	D- 3		148431-0-01	Z-25		150173-0-01	Z-47- 6- 1	
148090-0-01	A-27		148205-0-01	C-10		148432-0-01	Z-26		150174-0-00	Z-47- 1	
148101-0-01	A-30		148206-0-01	D-11		148747-0-01	H-49		150175-0-01	Z-47-16	
148103-0-01	A-25		148207-0-00	D- 8		148748-0-01	H-50		150177-0-01	Z-47-25	
148104-0-01	A-24		148208-0-01	D-12		148749-0-01	H-51		150179-0-01	Z-47-10	
148105-0-01	A-29		148209-0-01	D-15		148750-0-01	G-52		150180-0-00	Z-47-13	
148111-0-00	C-14		148212-0-01	D-15- 8		148751-0-01	G-53		150181-0-01	Z-47-18- 2	
148112-0-00	C-12			D-19- 8		148752-0-01	G-56		150182-0-00	Z-47-12	
148113-0-01	C- 6		148213-1-01	D-15- 5		148782-0-01	E-19		150185-0-01	Z-47- 7- 1	
148117-0-01	B-11- 1			D-19- 5			F-24		150188-0-01	Z-47-20	
	B-11- 9		148217-0-01	D-19		148783-0-01	D-15-10		150189-0-01	Z-47-18- 1	
148118-0-01	B-11- 2		148224-0-01	E- 3			D-19-10		150202-0-01	Z-47- 6- 2	
148120-0-00	B-13		148225-0-01	C- 8		148813-0-01	H-30- 3		150382-0-01	D- 1- 1- 2	
148121-0-00	B- 8		148226-0-01	E-15		148838-0-01	G-12		150550-0-00	Z-46- 1	
148122-0-01	B- 1- 5		148227-0-00	E- 7		148847-0-01	G-11		150553-0-02	L- 2-30	
148123-0-01	B- 5		148228-0-00	E-16		148857-0-01	B-11- 6		150556-0-02	L- 5	
148124-0-01	B-18		148230-0-01	E- 1			D- 1- 2- 2		151012-0-01	K-57	
148125-0-01	B-26		148232-0-01	E-10			E- 1-2- 2		151017-0-01	Z-46	
148126-0-01	B-28		148234-0-00	F- 3			F- 4- 2		151614-0-01	L- 1- 4	
148128-0-01	H-16		148235-0-01	F- 2			G-36		151617-0-01	K-58	
148129-0-01	H-17		148236-0-01	F- 5		148858-0-01	B-11		152194-0-01	A-21- 3	
148130-0-01	H-18		148237-0-00	F- 6		148859-0-00	A-81			A-30- 3	
148131-0-01	H-19		148239-0-01	F-12		148984-0-01	A-21- 5			A-31- 3	
148133-0-01	H-19- 2		148240-0-01	F-14			A-30- 5		153483-0-01	L- 1- 6	
148134-0-01	H-21		148241-0-01	F-16			A-31- 5		180323-0-01	E- 8	
148135-0-01	H-23		148242-0-01	E-11		148987-0-01	A-21		181031-0-01	M- 1	
148136-0-01	H-25		148243-0-01	F-13		148989-0-01	A-31		181628-0-01	D- 1- 2	
148137-0-01	H-27		148244-0-00	F-21		149005-0-01	Z-29		181629-0-01	E- 1- 2	
148138-0-01	H-26		148245-0-00	F-10		149171-0-01	E-18		181630-0-01	E- 1- 1	
148139-0-01	H-28		148247-0-01	A-76			F-23		181631-0-01	D- 1- 1	
148143-0-01	H- 3		148248-0-00	G- 2		149172-0-01	D-15- 9		181657-0-01	F- 4	
148144-0-01	H- 2		148249-0-00	D-17			D-19- 9		181668-0-01	F- 7	
148145-0-01	H- 1		148250-0-01	D- 5		149173-0-01	Z- 9		181969-0-03	A-74	
148146-0-01	H- 5		148251-0-01	E- 5		149252-0-02	L- 1		181995-0-01	F-11	
148147-0-01	H- 7		148252-0-01	E-13		149253-0-01	L- 1- 8			G-34	
148148-0-01	H- 8		148253-0-01	K-19		149255-0-01	L- 1- 2		181995-0-02	L- 2- 7	
148150-1-01	H-40		148254-0-01	K-22		149256-0-01	L- 1- 1				
148153-1-01	H-41		148255-0-01	K-63		149260-0-01	H-40- 7				
148155-0-01	H-31		148256-0-01	K-60			H-42- 7				
148158-0-01	H-46		148258-0-01	Z-22			H-44- 7				
148160-0-01	H-47		148259-0-01	Z-13		149261-0-01	H-40- 8				
148161-0-01	H-48		148260-0-01	H-52			H-42- 8				
148162-1-01	H-44		148262-0-01	G-32			H-44- 8				
148163-0-01	G-19		148263-1-01	H-42		149262-0-01	H-40- 6				
148166-0-01	G-19- 3		148269-0-01	B- 1			H-41- 6				
148167-0-01	G- 3		148270-0-01	B- 1- 4			H-42- 6				
148168-0-00	G- 6		148271-0-01	B- 1- 2			H-44- 6				
148169-0-00	G-18		148281-0-01	J- 2			H-45- 6				