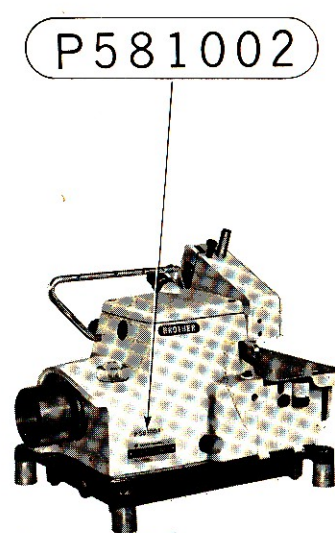
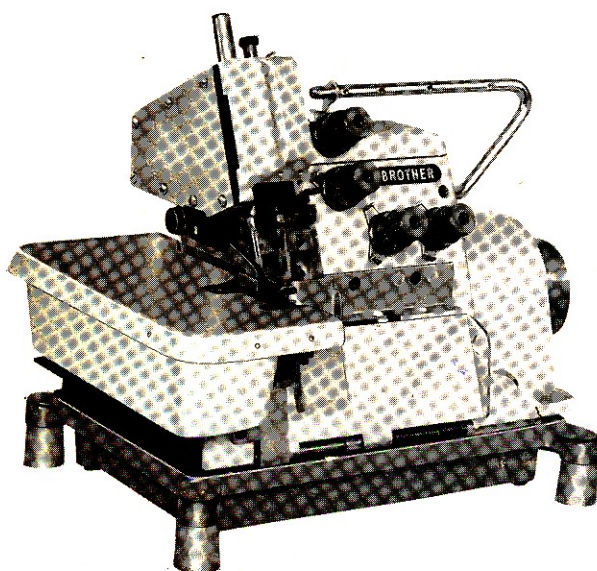


PARTS BOOK

FOR

BROTHER MA4-B581



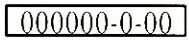
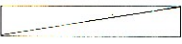
Safety Stitch Sewing Machine

BROTHER INDUSTRIES,
NAGOYA, JAPAN

EDIÇÃO
01



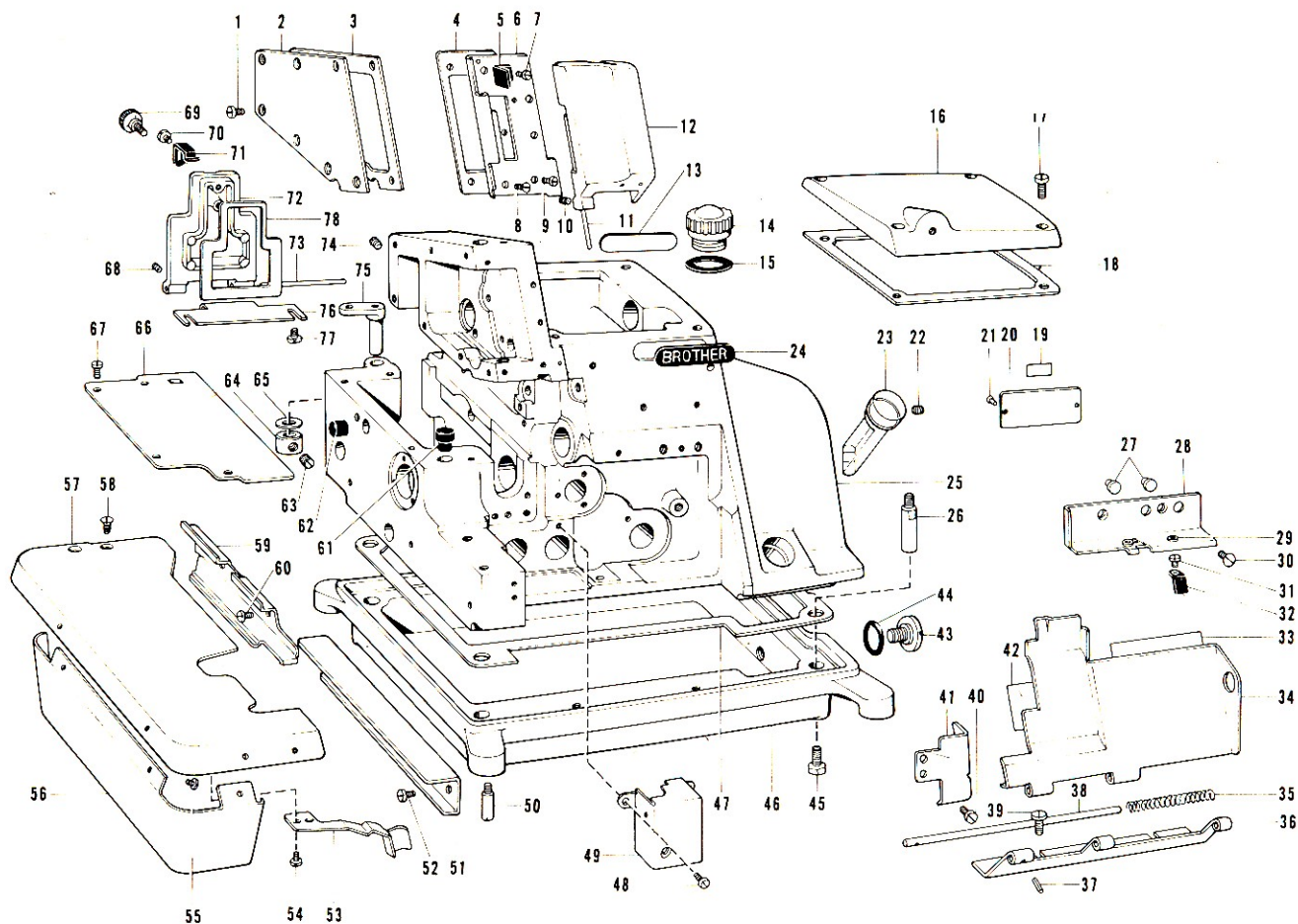
How to use the parts book

1. This parts book can be used for ordering of the parts of the machine whose plate number is same as shown on the upper cover of the book (or correction sheet).
2. Those pages from A~G·Z·Y on this parts catalogue show all the parts for MA4-B581-061-.
3. When the column for the parts number or parts assembly number is  ·  please refer to the different parts list on the page 24.
4. When the column for the parts number is , the parts can not be supplied. But when the parts number is shown in the column, please order the parts by the parts assembly number so that can be arranged in the from of assembled parts.
5. After page 8, please refer to the different parts list on the page 24.

CONTENTS

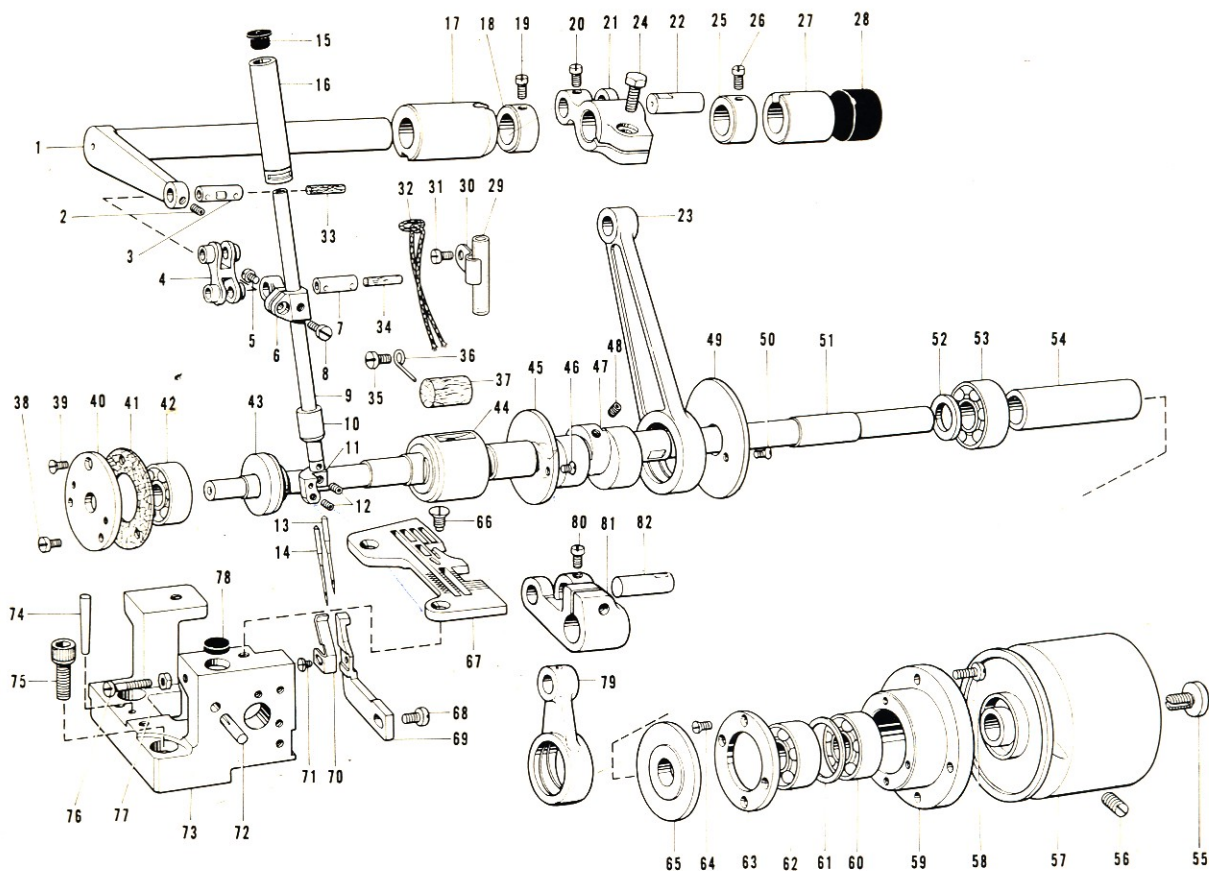
A. 061-  (Thin)	1	S. 071-  Needle Width 5mm	14
Machin Body		(Medium, Heavy)	
B. 061-  (Thin)	2	T. 073-  Needle Width 2mm	15
Crank Shaft and Needle Bar Mechanism		(Thin, Medium Ruffling (W Piping))	
C. 061-  (Thin)	3	U. 075-  Needle Width 3mm	16
Looper Mechanism		(Thin, Medium Ruffling (W Piping))	
D. 061-  (Thin)	4	V. 077-  Needle Width 5mm	17
Looper for Double Chain Stitch		(Heavy Medium Ruffling (W Piping))	
E. 061-  (Thin)	5	W. 081-  Needle Width 3mm	18
Feed Mechanism		(Thin, Medium Taping)	
F. 061-  (Thin)	6	W. 087-  Needle Width 5mm	19
Knives and Presser Foot Mechanism		(Extra Heavy)	
G. 061-  (Thin)	7	a. 089-  Needle Width 3mm	20
Threading		(Thin, Medium Binding)	
K. 062-  Needle Width 2mm	8	b. 092-  Needle Width 5mm	21
(Thin)		(Extra Heavy)	
L. 063-  Needle Width 3mm	8	x. Cord Guide	22
(Thin, Medium)		z. Machin Head Plate and Spool Stand	22
M. 064-  Needle Width 3mm	9	Y. Accessary	23
(Thin, Medium)		Different Parts List	24
N. 065-  Needle Width 5mm	10	INDEX	30
(Medium, Heavy)			
P. 066-  Needle Width 5mm	11		
(Medium, Heavy)			
Q. 067-  Needle Width 2mm	12		
(Thin, Medium)			
R. 069-  Needle Width 3mm	13		
(Thin, Medium)			

A. Machine Body



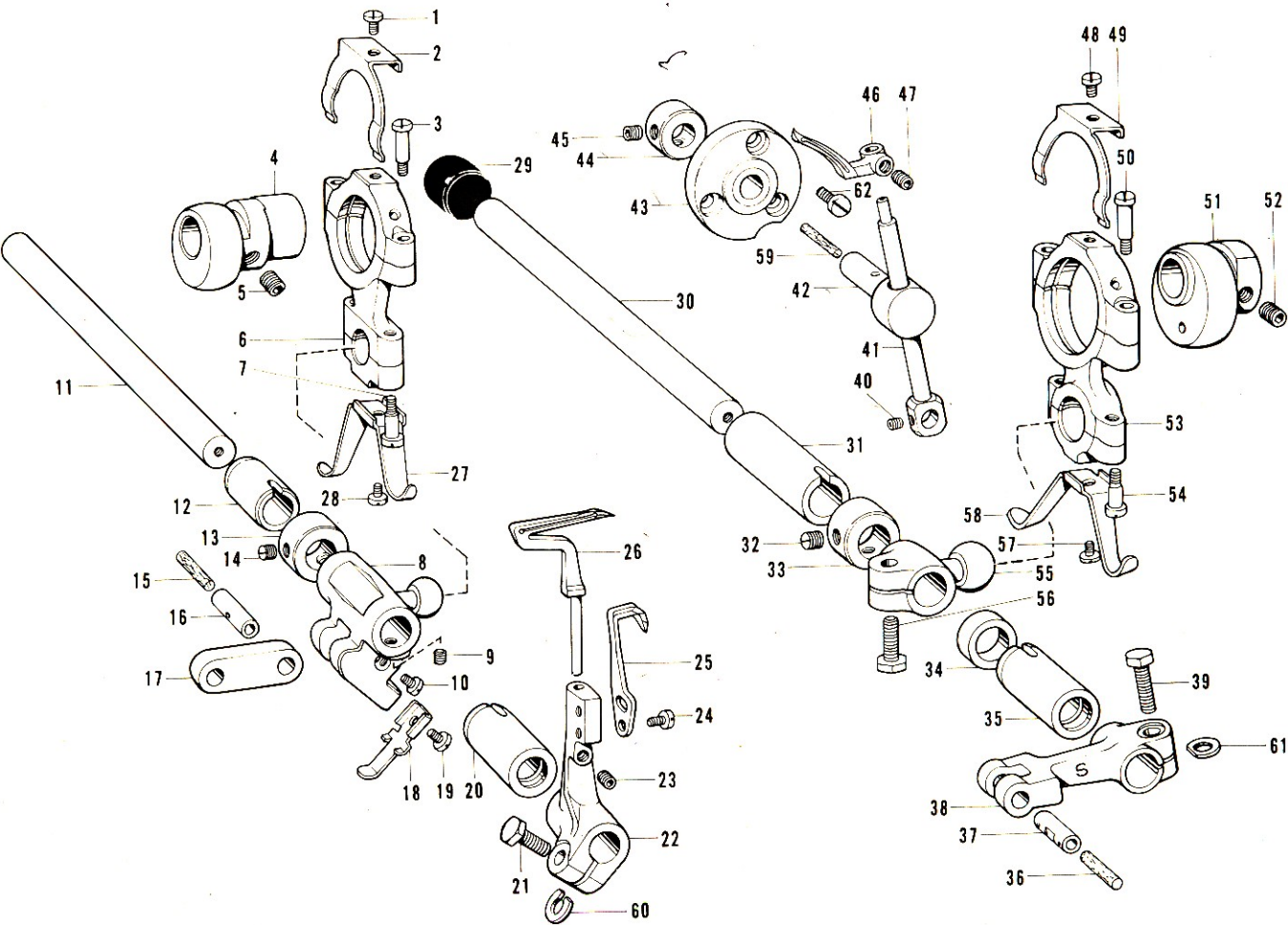
Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
A-1	Screw	7	009680-7-14		A-40	Screw	2	009670-6-12	
A-2	Cover for Needle Driving Mechanism	1	148067-0-01		A-41	Front Cover Guide	1	148103-0-01	
A-3	Face Plate Packing	1	148068-0-00		A-42	Looper Threading Lavel	1	147943-0-01	
A-4	Face Plate Packing	1	148075-0-00		A-43	Screw	1	110641-0-01	
A-5	Stopper Spring	1	140041-0-01		A-44	Packing	1	109203-0-01	
A-6	Face Plate	1	148074-0-01		A-45	Bolt	4	017771-6-12	
A-7	Screw	1	009670-6-12		A-46	Oil Reservoir	1	148087-0-01	
A-8	Screw	1	102843-0-04		A-47	Packing	1	148088-0-00	
A-9	Screw	1	009670-6-12		A-48	Screw	2	009670-6-12	
A-10	Screw	1	146427-0-01		A-49	Inside Cover	1	148078-0-01	
A-11	Pin for Face Plate	1	146426-0-00		A-50	Set Pin for Cushion	4	140077-0-01	
A-12	Face Plate Cover	1	148073-0-01		A-51	Frame Hanger	1	148090-0-01	
A-13	Number Lavel (P)	1			A-52	Screw	3	009680-7-12	
A-14	Cap for Oil Feeding Hole	1	146421-0-00		A-53	Stopper Spring for Cloth Plate	1	148304-0-01	
A-15	Packing	1	113589-0-01		A-54	Screw	2	009670-6-12	
A-16	Top Cover	1	148065-0-01		A-55	Screw	3	106568-0-01	
A-17	Screw	4	009681-2-12		A-56	Cloth Plate lower	1	148083-0-01	
A-18	Packing	1	148066-0-00		A-57	Cloth Plate	1	148082-0-01	
A-19	Lavel	1			A-58	Screw	2	100032-0-03	
A-20	Model Plate 581	1			A-59	Cloth Guide (L)	1	148089-0-01	
A-21	Model Plate Pin	2			A-60	Screw	2	009670-6-12	
A-22	Screw	1	014680-4-22		A-61	Oil Cap	1	148077-0-01	
A-23	Oil Gauge	1	148084-0-01		A-62	Oil Cap	1	146315-0-00	
A-24	Name Plate	1			A-63	Screw	2	101706-0-01	
A-25	Machine Body	1			A-64	Set Collar	1		181969-0-03
A-26	Machine Body Leg	4	148085-0-01		A-65	Washer	1	141183-0-00	
A-27	Oil Cap	2	111865-0-01		A-66	Cover	1	148076-0-01	
A-28	Supporter for Front Cover	1			A-67	Screw	4	009670-6-12	
A-29	Thread Bushing	2	146924-0-00	146444-0-01	A-68	Screw	1	146427-0-01	
A-30	Screw	2	117160-0-01		A-69	Screw	1	106120-0-02	
A-31	Screw	1	009670-4-12		A-70	Screw	1	009670-6-12	
A-32	Stopper Spring for Front Cover	1	146446-0-01		A-71	Stopper Spring	1	148072-0-01	
A-33	Threading Diagram	1	148104-0-01		A-72	Cover for Feed Mechanism (B)	1	148069-0-01	
A-34	Front Cover	1			A-73	Hinge Shaft	1	148071-0-00	
A-35	Spring	1	146442-0-01		A-74	Screw	2	013760-6-12	
A-36	Front Cover Hinge	1	146440-0-01	148101-0-01	A-75	Cloth Plate Supporter	1	143374-0-01	
A-37	Pin	1	047140-8-42		A-76	Feed Mechanism Cover Hinge	1	148070-0-01	
A-38	Front Cover Hinge Shaft	1	146441-0-00		A-77	Screw	2	009680-7-12	
A-39	Screw	2	107407-0-03		A-78	Packing	1	148859-0-00	

061- (Thin) B. Crank Shaft and Needle Bar Mechanism



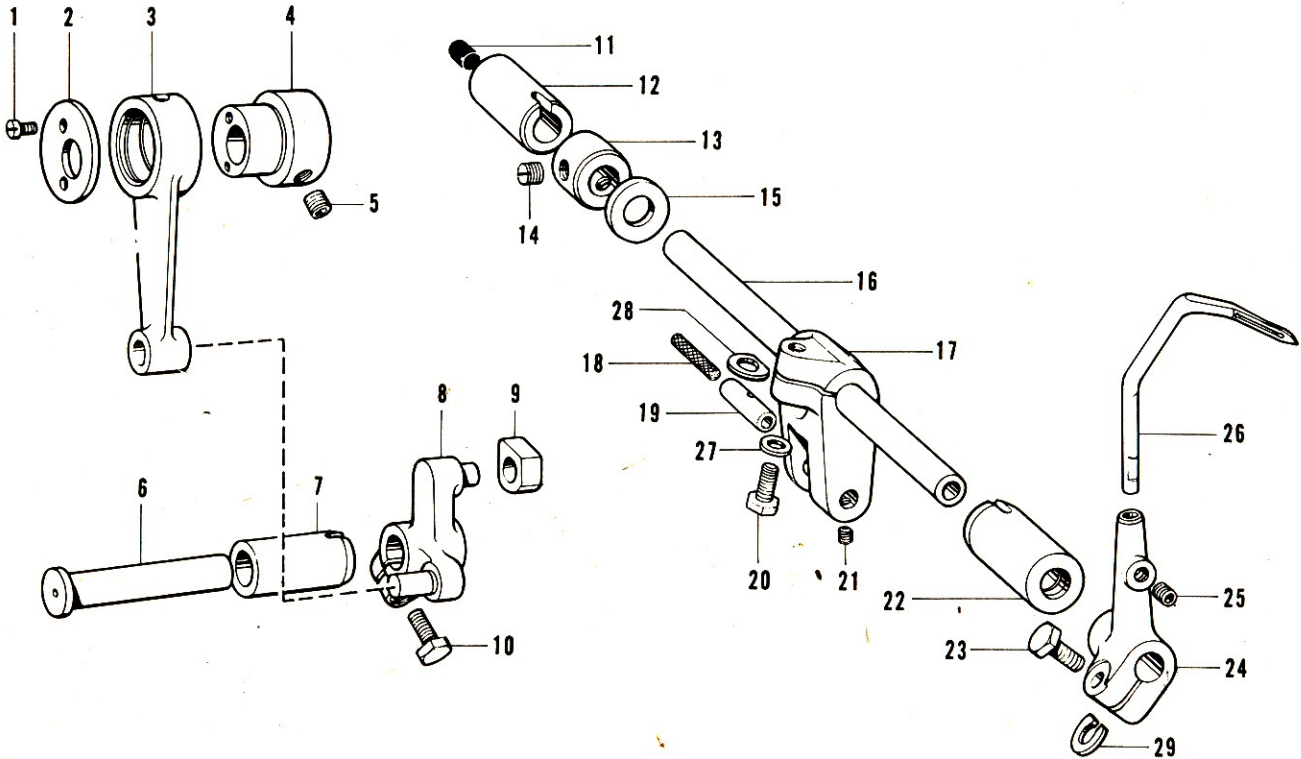
Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
B- 1	Needle Bar Crank Shaft	1	148269-0-01	148269-0-01	B-37	Felt	1	112754-0-01	
B- 2	Screw	1	146427-0-01		B-38	Screw	2	009670-8-12	
B- 3	Needle Bar Link Shaft	1			B-39	Screw	1	102538-0-02	
B- 4	Needle Bar Link	1			B-40	Bearing Cap	1	146472-0-01	
B- 5	Screw	1	009669-4-12		B-41	Packing	1	143312-0-00	
B- 6	Needle Bar Clamp	1			B-42	Bearing 6000	1	072600-0-00	
B- 7	Needle Bar Link Shaft	1			B-43	Bushing	1	148086-0-00	
B- 8	Screw	1	009670-8-12		B-44	Crank Shaft Outer Bushing (L) Assembly	1	148373-0-00	
B- 9	Needle Bar	1	146483-0-01		B-45	Looper Connecting Rod Stopper Guide L	1	148225-0-01	
B-10	Needle Bar Bushing (D)	1	146486-0-00		B-46	Screw	2	102843-0-04	
B-11	Needle Clamp 2	1	146487-0-01	146487-0-01	B-48	Screw	2	148857-0-01	
B-12	Screw	2	146427-0-01		B-49	Looper Connecting Rod Stopper Guide R	1	148205-0-01	
B-13	Needle DC×1	1	112297-0-11		B-50	Screw	2	102843-0-04	
B-14	Needle DM×13	1	140104-0-11		B-51	Crank Shaft	1	148113-0-01	
B-15	Cap	1	114255-0-02		B-52	Spacer	1	148112-0-00	
B-16	Needle Bar Bushing (U)	1	148123-0-01		B-53	Bearing 6001	1	072600-1-00	
B-17	Needle Shaft Bushing (Left)	1	148121-0-00		B-54	Collar L	1	148111-0-00	
B-18	Set Collar	1	140092-0-01		B-55	Cap Screw	1	140180-0-01	
B-19	Screw	2	100366-0-01		B-56	Screw	2	013761-4-10	
B-20	Screw	1	100366-0-01		B-57	Pully	1	140085-0-03	
B-21	Needle Arm Driving Lever	1		148858-0-01	B-58	Screw	4	009681-0-12	
B-22	Pin	1			B-59	Thrust Washer	1	110670-0-00	
B-23	Needle Arm Driving Crank Rod	1			B-60	Bearing 6001	1	072600-1-00	
B-47	Needle Bar Upper Knife Eccentric Cam	1			B-61	Thrust Washer	1	110672-0-00	
B-79	Pin	1			B-62	Bearing 6001	1	072600-1-00	
B-80	Upper Knife Driving Lever	1			B-63	Bearing Cover	1	110673-0-00	
B-81	Screw	1	100366-0-01		B-64	Screw	4	107244-0-01	
B-82	Upper Knife Driving Rod	1			B-65	Oil Rejector	1	140084-0-00	
B-24	Bolt	1	017761-6-12		B-66	Screw	2	100032-0-03	
B-25	Set Collar	1	140092-0-01		B-67	Needle Plate	1		
B-26	Screw	2	100366-0-01		B-68	Screw	1	009680-7-12	
B-27	Needle Shaft Bushing (Right)	1	148120-0-00		B-69	Chain Stich Needle Guard (B)	1	148126-0-01	
B-28	Oil Cap 20.30×10	1	140066-0-01		B-70	Chain Stich Needle Guard (F)	1	148125-0-01	
B-29	Vinil Tube	1	146644-0-00		B-71	Screw	1	009669-4-12	
B-30	Tube Holder	1	148315-0-01		B-72	Pin	1	117608-0-01	
B-31	Screw	1	009680-7-12		B-73	Needle Plate Support Bracket	1	148124-0-01	
B-32	Wick	1	118768-0-01		B-74	Pin 3.5×24	1	107351-0-01	
B-33	Felt	1	147691-0-00		B-75	Bolt	2	018061-6-22	
B-34	Felt	1	147691-0-00		B-76	Screw	1	009671-4-12	
B-35	Screw	1	009680-7-12		B-77	Nut	1	021670-2-02	
B-36	Felt Holder	1	148247-0-01		B-78	Cloth Plate Cushion (B)	1	111486-0-01	

C. 061- (Thin)
C. Looper Mechanism



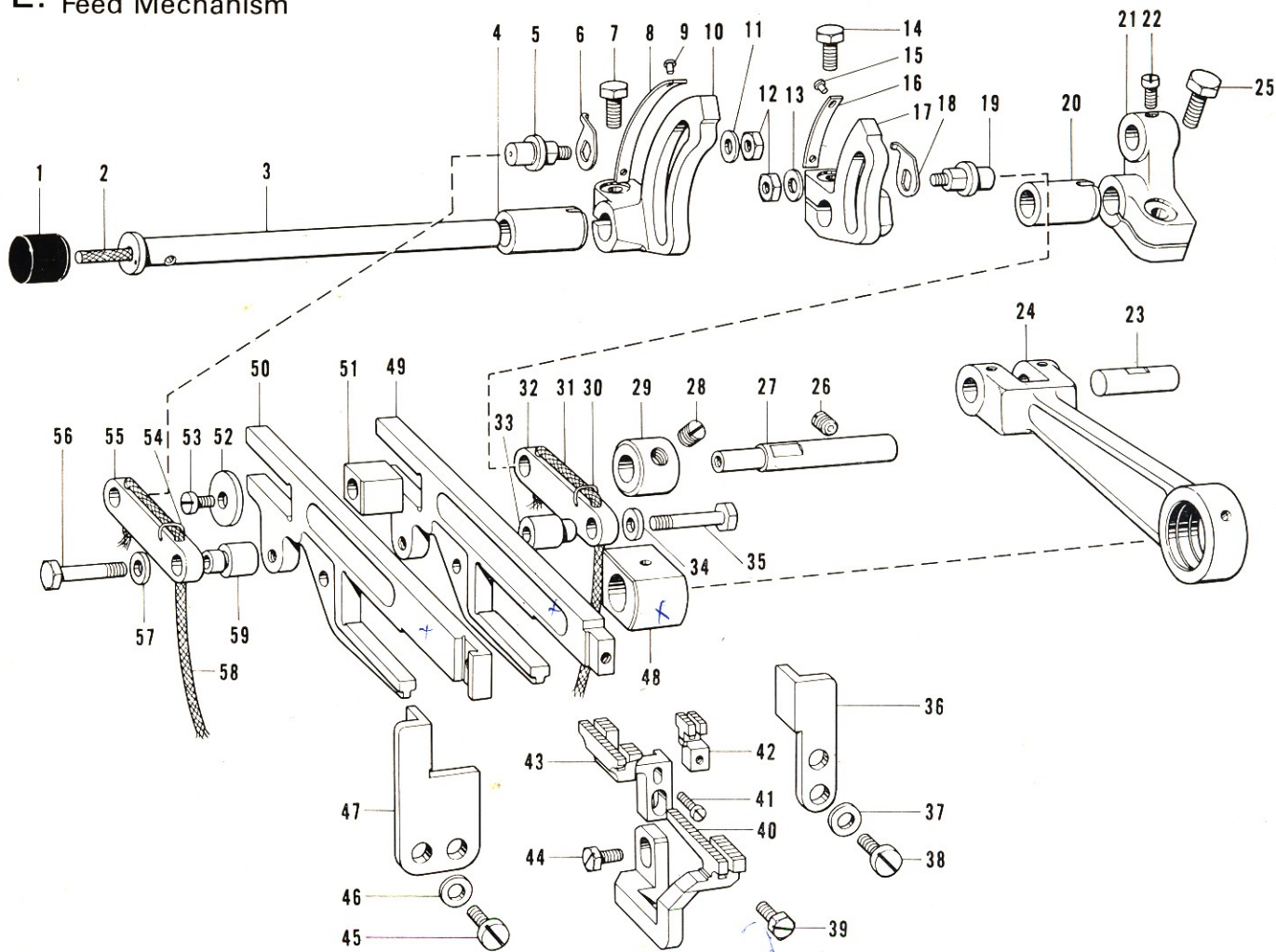
Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
C- 1	Screw	1	009670-5-12	OK	C-31	Bushing	1	148207-0-00	OK
C- 2	Looper Connecting Rod Stopper	1	148224-0-01	OK	C-32	Screw	2	100260-0-01	OK
C- 4	Under Looper Eccentric Cam	OK 1	141639-0-01	181629-0-01	C-33	Set Collar	1	146581-0-01	OK
C- 5	Screw	OK 2	148857-0-01	OK	C-34	Thrust Collar	1	148208-0-01	OK
C- 3	Screw	OK 2	142590-0-01	OK	C-35	Bushing	1	144031-0-00	OK
C- 6	Looper Connecting Rod	OK 1	141639-0-01	181630-0-01	C-36	Wick	1	108809-0-01	OK
C- 7	Screw	OK 2	142590-0-01		C-37	Over Looper Holder Pin	OK 1		
C- 8	Under Looper Connecting Lever	OK 1	148230-0-01	148230-0-01	C-38	Over Looper	OK 1		
C- 9	Screw	2	014680-4-22	OK	C-61	Spacer	OK 1	148783-0-01	
C-10	Screw	1	144458-0-01	OK	C-39	Bolt	OK 1	017761-6-12	
C-11	Under Looper Shaft	1	148226-0-01	OK	C-40	Screw	OK 1	146427-0-01	148209-0-01
C-12	Under Looper Shaft Bushing (B)	1	148227-0-00	OK	C-41	Over Looper Holder	OK 1		
C-13	Set Collar	OK 1	140323-0-01	180323-0-01	C-42	Over Looper Holder Guide Block	OK 1		
C-14	Screw	OK 2	013760-6-12	OK	C-43	Over Looper Holder Guide Base	OK 1		
C-15	Wick	1	143444-0-01	X	C-44	Set Collar	OK 1		
C-16	Under Looper Holder Pin	1	148232-0-01	OK	C-45	Screw	OK 2	014680-4-22	
C-17	Chain Stitch Link	1	148242-0-01	OK	C-46	Over Looper	OK 1	141639-0-01	147934-0-01
C-18	Oil Jumping Plate	1	148252-0-01	OK	C-47	Screw	OK 1	014680-4-22	
C-19	Screw	1	009670-5-12	OK	C-48	Screw	1	009670-5-12	OK
C-20	Under Looper Shaft Bushing (F)	1	148228-0-00	OK	C-49	Looper Connecting Rod Stopper	1	148204-0-01	OK
C-21	Bolt	1	017751-4-12	OK	C-51	Over Looper Eccentric Cam	OK 1	141639-0-01	181628-0-01
C-22	Under Looper Holder	1	146617-0-01	OK	C-52	Screw	OK 2	148857-0-01	
C-60	Spacer	1	148782-0-01	OK	C-50	Screw	OK 2	142658-0-01	
C-23	Screw	1	014680-4-22	OK	C-53	Over Looper Connecting Rod	OK 1	181631-0-01	181631-0-01
C-24	Screw	2	009670-8-12	OK	C-54	Screw	OK 2	142590-0-01	OK
C-25	Movable Needle Gaud	1	144127-0-01	OK	C-55	Over Looper	OK 1		148200-0-01
C-26	Under Looper	1	144049-0-01	OK	C-56	Bolt	1	017771-6-12	OK
C-27	Oil Jumping Plate	1	148251-0-01	OK	C-57	Screw	1	009670-5-12	OK
C-28	Screw	1	009670-5-12	OK	C-58	Oil Jumping Plate (R)	1	148250-0-01	OK
C-29	Oil Cap 20.30×66	1	140066-0-01	OK	C-59	Wick	1	148249-0-00	X
C-30	Over Looper Shaft	1	148206-0-01	OK	C-62	Screw	3	009680-7-12	OK

D. 061-○(Thin)
Looper for Double Chain Stitch



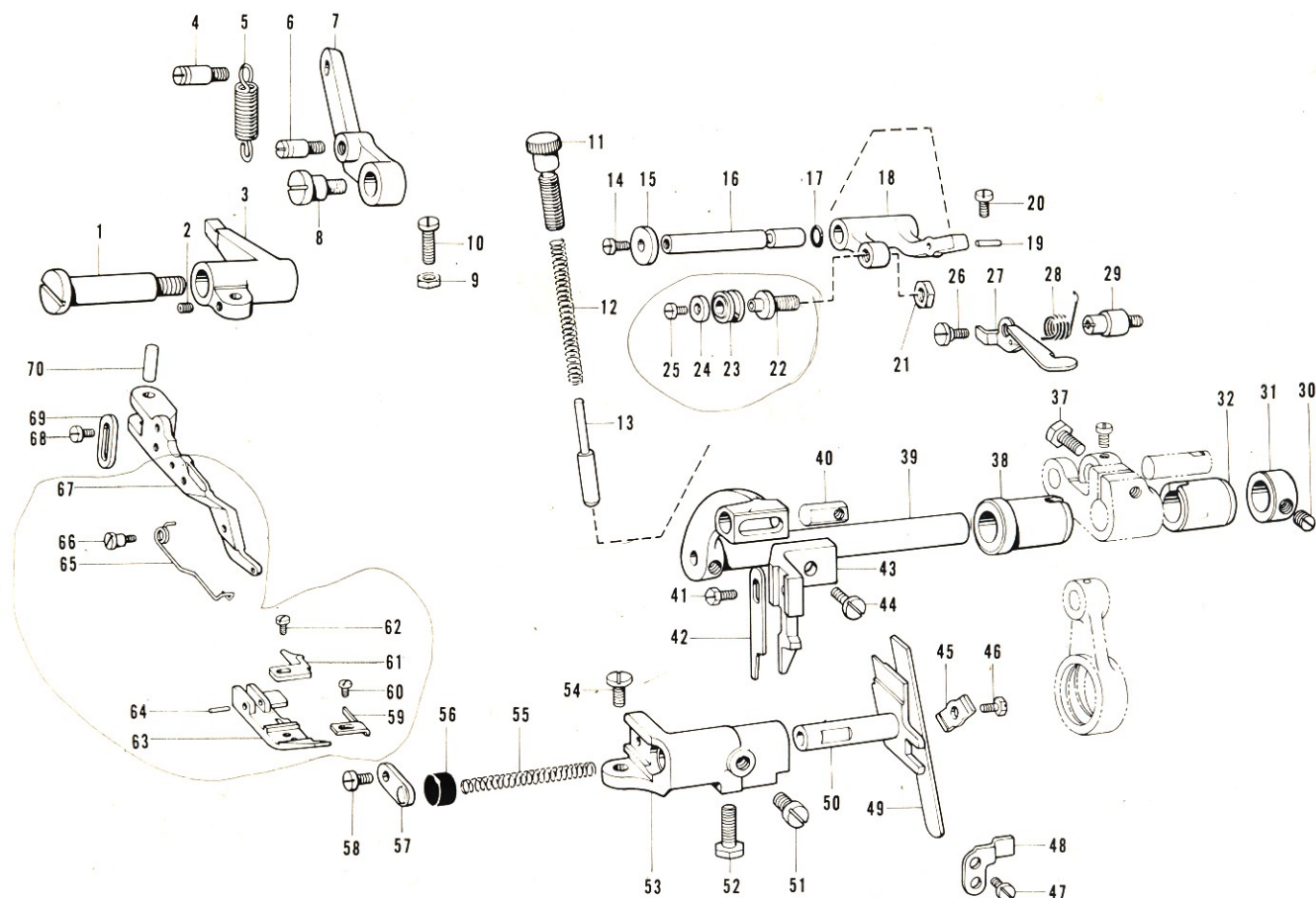
Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
D- 1	Screw	2	009630-6-12	✓	D-16	Longitudinal Feed Shaft	1	148243-0-01	OK
D- 2	Longitudinal Feed Driving Rod Presser Plate	1	148235-0-01	OK	D-17	Chain Stitch Driving Lever	1	148240-0-01	X
D- 3	Longitudinal Feed Driving Rod	1	148234-0-00	OK	D-18	Wick	1	117591-0-01	X
D- 4	Longitudinal Eccentric Cam(Right)	1	148233-0-01	OK	D-19	Chain Stitch Driving Lever Shaft	1	148241-0-01	X
D- 5	Screw	2	148857-0-01	OK	D-20	Bolt	1	017761-4-12	OK
D- 6	Longitudinal Feed Lever Shaft	1	148236-0-01	OK	D-21	Screw	1	146427-0-01	OK
D- 7	Longitudinal Feed Lever Shaft Bushing	1	148237-0-00	OK	D-22	Longitudinal Feed Shaft Bushing B	1	148245-0-00	OK
D- 8	Feed Lever	OK 1	181668-0-01	181668-0-01	D-23	Bolt	1	017751-4-12	OK
D-10	Bolt	OK 1	017771-4-12	OK	D-24	Chain Stitch Looper Holder	1	146634-0-01	OK
D- 9	Slide Block	1	140313-0-01	OK	D-25	Screw	1	014680-4-22	OK
D-11	Oil Cap	1	140327-0-01	OK	D-26	Chain Stitch Looper	+ 1	146635-0-01	OK
D-12	Bushing (Front)	1	148244-0-00	OK	D-27	Washer	1	025060-1-32	OK
D-13	Set Collar	OK 1	181995-0-01	181995-0-01	D-28	Spacer	1	148783-0-01	OK
D-14	Screw	OK 2	101706-0-03	OK	D-29	Spacer	1	148782-0-01	OK
D-15	Thrust Collar	1	148239-0-01	OK					

E. 061- (Thin) Feed Mechanism



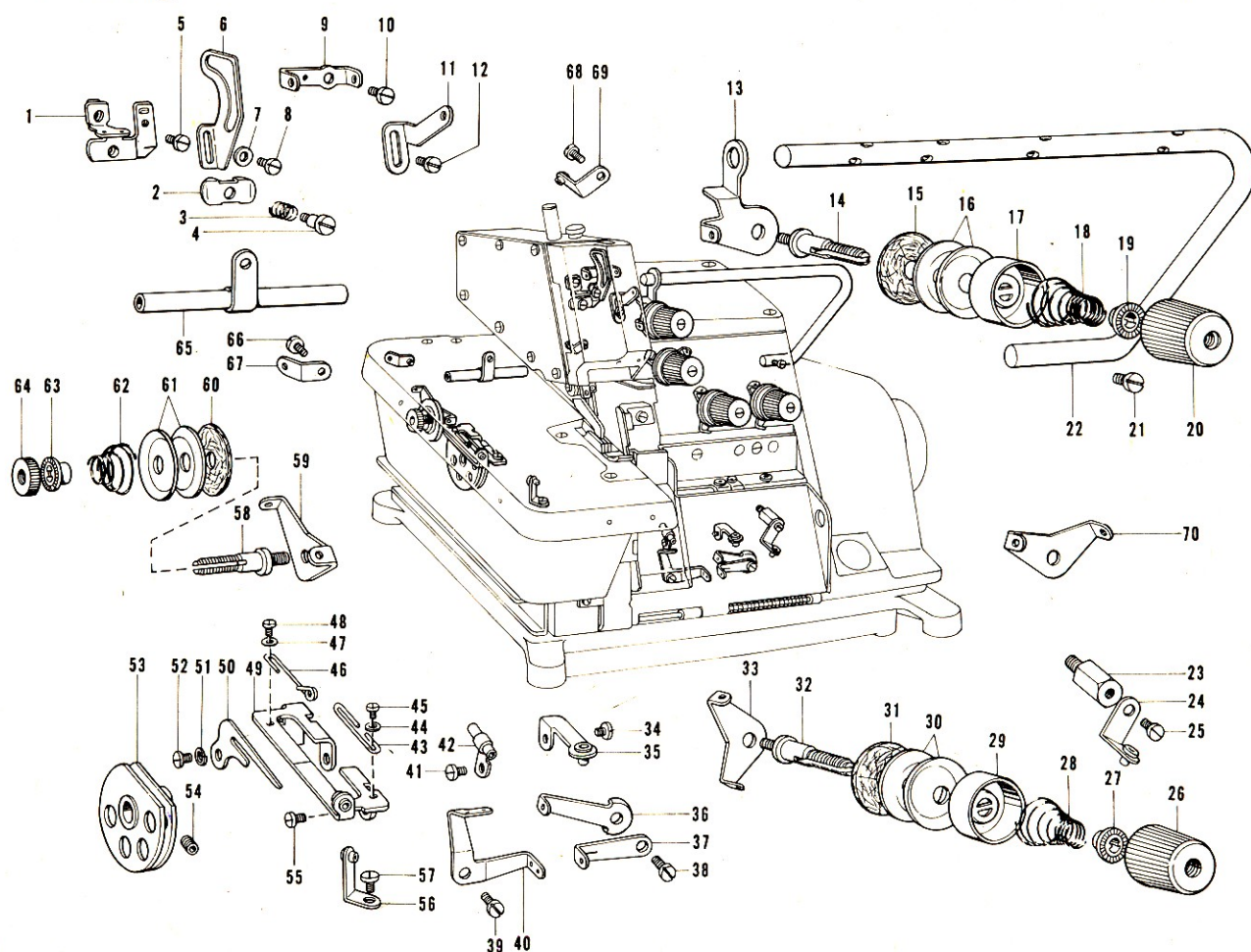
Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
E- 1	Oil Cap 14.30×10	1	140065-0-01	OK	E-31	Wick	1	142674-0-00	X
E- 2	Wick	1	148248-0-00	OK	E-32	Feed Link	1	148184-0-00	OK
E- 3	Feed Shaft	1	148167-0-01	OK	E-33	Feed Link Bushing	1	148185-0-01	OK
E- 4	Feed Shaft Bushing (L)	1	148168-0-00	OK	E-34	Washer	1	140208-0-01	OK
E- 5	Feed Link Shaft	1	148181-0-01	OK	E-35	Bolt	1	148186-0-01	OK
E- 6	Feed Link Indicator Plate L	1	148183-0-01	OK	E-36	Feed Bar Guide (R)	1	148174-0-00	OK
E- 7	Bolt	1	017761-4-12	OK	E-37	Washer	2	113431-0-02	OK
E- 8	Indicator Plate	1	148180-0-01	OK	E-38	Screw	2	107407-0-03	OK
E- 9	Model Plate Pin	2	116231-0-01	X	E-39	Bolt	1	117516-0-01	OK
E-10	Differential Feed Arm	1	148179-0-01	OK	E-40	Differential Feed Dog	1	146572-0-01	OK
E-11	Washer	1	148847-0-01	X	E-41	Screw	1	009630-8-12	OK
E-12	Nut	2	148838-0-01	OK	E-42	Chain Feed Dog	1	146577-0-01	OK
E-13	Washer	1	148847-0-01	X	E-43	Main Feed Dog	1	146567-0-01	OK
E-14	Bolt	1	017761-4-12	OK	E-44	Bolt	1	117516-0-01	OK
E-15	Model Plate Pin	2	116231-0-01	X	E-45	Screw	2	107407-0-03	OK
E-16	Indicator Plate	1	148178-0-01	OK	E-46	Washer	2	113431-0-02	OK
E-17	Main Feed Arm	1	148177-0-01	OK	E-47	Feed Bar Guide (L)	1	148175-0-00	OK
E-18	Feed Link Indicator Plate (R)	1	148182-0-01	OK	E-48	Feed Lifting Slide Block	OK	148173-0-00	148262-0-01 OK
E-19	Feed Link Shaft	1	148181-0-01	OK	E-49	Main Feed Bar	1	148170-0-01	OK
E-20	Feed Shaft Bushing (R)	1	148169-0-00	OK	E-50	Differential Feed Bar	1	148170-0-01	OK
E-21	Feed Arm	OK	148163-0-01	OK	E-51	Feed Bar Guide Block	1	146547-0-00	OK
E-22	Screw	OK	100366-0-01	148163-0-01	E-52	Slide Plate	1	146549-0-01	OK
E-23	Pin	OK	148166-0-01	OK	E-53	Screw	1	009680-7-12	OK
E-24	Feed Rod	1			E-54	Steel Wire	1	140774-0-00	OK
E-25	Bolt	1	017761-4-12	OK	E-55	Feed Link	1	148403-0-00	X
E-26	Screw	1	148857-0-01	OK	E-56	Bolt	1	148186-0-01	OK
E-27	Feed Bar Guide Block Shaft	1	148176-0-01	OK	E-57	Washer	1	140208-0-01	OK
E-28	Screw	OK	101706-0-03	181995-0-01	E-58	Wick	1	142674-0-00	X
E-29	Set Collar	OK	181995-0-01	OK	E-59	Feed Link Bushing	1	148404-0-01	OK
E-30	Steel Wire	1	140774-0-00	OK					

F. 061- (Thin) Knives and Presser Foot Mechanism



Ref. No.	Name of Part	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
F- 1	Screw	1	148147-0-01	OK	F-38	Bushing Left	1	148196-0-00	OK
F- 2	Screw	1	146427-0-01	OK	F-39	Upper Knife Driving Arm	1	146580-0-01	OK
F- 3	Presser Foot Supporter	1	148146-0-01	OK	F-40	Nut	1	148281-0-01	OK
F- 4	Spring Hook	1	148144-0-01	OK	F-41	Bolt	1	144075-0-01	OK
F- 5	Spring	1	148145-0-01	OK	F-42	Upper Knife	1	148198-0-01	OK
F- 6	Spring Hook	1	148144-0-01	OK	F-43	Upper Knife Holder	1	144179-0-01	OK
F- 7	Presser Foot Lifter Lever	1	148143-0-01	OK	F-44	Screw	1	107407-0-03	OK
F- 8	Screw	1	141528-0-01	OK	F-45	Lower Knife Holding Plate	1	117515-0-01	OK
F- 9	Nut	1	021680-2-02	OK	F-46	Bolt	1	117516-0-01	OK
F-10	Screw	1	009681-4-12	X	F-47	Screw	2	009670-6-12	OK
F-11	Screw	1	148128-0-01	OK	F-48	Lower Knife Holder Guide	1	146585-0-01	OK
F-12	Spring	1	148129-0-01	OK	F-49	Lower Knife	1	112436-0-01	OK
F-13	Pin	1	148130-0-01	OK	F-50	Lower Knife Holder	1	146583-0-01	OK
F-14	Screw	1	009680-7-12	OK	F-51	Screw	1	107407-0-03	OK
F-15	Washer	1	148735-0-01	X	F-52	Bolt	1	017771-6-12	OK
F-16	Presser Bar Lever Shaft	1	148134-0-01	OK	F-53	Lower Knife Holder Supporter	1	146582-0-01	OK
F-17	Packing	1	081002-6-70	OK	F-54	Screw	1	102627-0-01	OK
F-18	Presser Bar Lever	OK 1	148131-0-01	148131-0-01	F-55	Spring	1	146584-0-01	OK
F-19	Roller	OK 1	148133-0-01	148133-0-01	F-56	Cap	1	146586-0-00	OK
F-20	Screw	1	104908-0-01	OK	F-57	Lower Knife Holder Spring Stopper	1	140248-0-01	OK
F-21	Nut	1	100022-0-05	X	F-58	Screw	1	009680-7-12	OK
F-22	Presser Arm Rollar Shaft	OK 1			F-59	Chip Guard (3)	OK 1	142245-0-01	
F-23	Presser Arm Rollar	OK 1			F-60	Screw	OK 1	009639-3-12	
F-24	Washer	OK 1	148813-0-01	148346-0-01	F-61	Stitch Tongue	OK 1	142244-0-01	
F-25	Screw	OK 1	009670-5-12	OK	F-62	Screw	OK 1	009639-3-12	
F-26	Screw	1	148139-0-01	OK	F-63	Presser Front	OK 1		148155-0-01
F-27	Presser Bar Lifter	1	148137-0-01	OK	F-64	Pin	OK 1	142243-0-01	OK
F-28	Spring	1	148138-0-01	OK	F-65	Spring	OK 1	142246-0-01	
F-29	Presser Bar Lifter Bracket	1	148136-0-01	OK	F-66	Screw	OK 1	142247-0-01	
F-30	Spring	2	100260-0-01	OK	F-67	Main Presser Arm	1		
F-31	Set Collar	1	146581-0-01	OK	F-68	Screw	2	009669-4-12	OK
F-32	Bushing Right	1	148197-0-00	OK	F-69	Presser Arm Stopper	1	148148-0-01	OK
F-37	Bolt	1	017761-6-12	OK	F-70	Pin	1	141393-0-01	OK

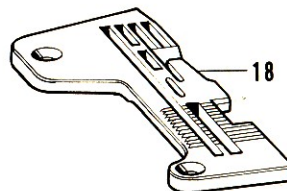
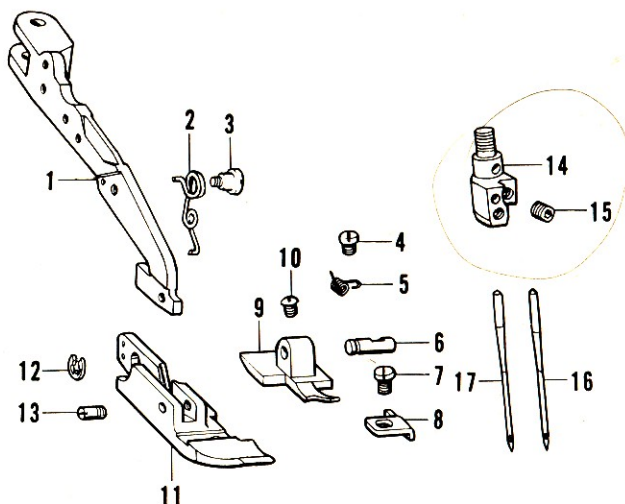
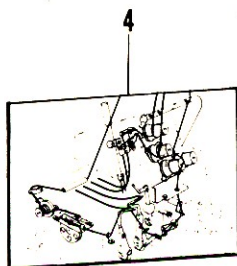
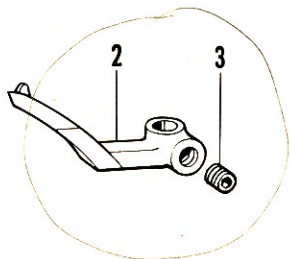
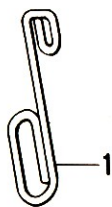
G. 061-○(Thin) Threading



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
G-1	Needle Thread Guide	1	147344-0-01	OK	G-36	Over Looper Thread Take-up (R)	1	146652-0-01	OK
G-2	Needle Thread Guard	1	112300-0-01	OK	G-37	Under Looper Thread Take-up (R)	1	146653-0-01	OK
G-3	Needle Thread Guard Spring	1	112299-0-01	OK	G-38	Screw	1	009670-8-12	OK
G-4	Screw	1	112301-0-01	OK	G-39	Screw	1	009670-6-12	OK
G-5	Screw	1	009670-6-12	OK	G-40	Looper Thread Take-up (L)	1	146654-0-01	OK
G-6	Needle Thread Take-up	1	144108-0-01	OK	G-41	Screw	1	122771-0-02	OK
G-7	Washer	1	105248-0-03	OK	G-42	Over Looper Thread Guide	1	142669-0-01	OK
G-8	Screw	1	009669-3-12	OK	G-43	Thread Guide (R)	1	146663-0-01	OK
G-9	Needle Thread Guide (A)	1	143757-0-01	OK	G-44	Washer	1	025630-2-32	OK
G-10	Screw	1	009670-8-12	OK	G-45	Screw	1	001630-4-02	X
G-11	Chain Tension Control Stud	1	148255-0-01	OK	G-46	Thread-Guide (L)	1	147272-0-01	OK
G-12	Screw	1	009670-8-12	OK	G-47	Washer	1	025630-2-32	OK
G-13	Thread Guide Supporter	1	146649-0-01	OK	G-48	Screw	1	001630-4-02	X
G-14	Looper Thread Tension Control Stud	2	110820-0-01	OK	G-49	Chain Stitch Looper Base Plate Assembly	1	146928-0-01	OK
G-15	Felt	2	110832-0-01	X	G-50	Thread Handler	1	146662-0-01	OK
G-16	Tension Disc	4	145446-0-01	OK	G-51	Washer	1	028350-2-43	OK
G-17	Tension Disc Washer	2	144103-0-02	OK	G-52	Screw	1	009670-4-12	OK
G-18	Spring	2	144104-0-01	OK	G-53	Chain Stich Looper Take-up	1	140290-0-01	OK
G-19	Washer	2	144105-0-00	OK	G-54	Screw	2	014680-4-22	OK
G-20	Thread Tension Adjusting Nut	2	144106-0-02	OK	G-55	Screw	2	009669-4-12	OK
G-21	Screw	1	009681-4-12	X	G-56	Under Looper Thread Guide	1	146930-0-01	OK
G-22	Main Thread Guide	1	148253-0-01	OK	G-57	Screw	1	009670-6-12	OK
G-23	Thread Guide Holder	1	148254-0-01	OK	G-58	Thread Tension Control Stud	1	147148-0-01	OK
G-24	Under Looper Thread Guide	1	146926-0-01	OK	G-59	Needle Thread Guide Plate	1	110813-0-01	OK
G-25	Screw	1	009670-6-12	OK	G-60	Felt	1	110832-0-01	X
G-26	Thread Tension	2	144106-0-00	OK	G-61	Tension Disc	2	145446-0-01	OK
G-27	Washer	2	144105-0-00	OK	G-62	Thread Tension Adjusting Spring	1	147149-0-01	OK
G-28	Spring	2	144110-0-01	OK	G-63	Washer	1	144105-0-00	OK
G-29	Tension Disc Washer	2	144103-0-02	OK	G-64	Upper Thread Tension Adjusting Nut	1	105230-0-01	OK
G-30	Tension Disc	4	145446-0-01	OK	G-65	Thread Guide Pipe Assembly	1	148256-0-01	OK
G-31	Felt	2	110832-0-01	X	G-67	Thread Guide (A) for Chain Stitch Looper	1	140289-0-01	OK
G-32	Looper Thread Tension Control Stud	2	110820-0-01	OK	G-66	Screw	1	009670-6-12	OK
G-33	Needle Thread Guide Plate	2	110813-0-01	OK	G-69	Thread Guide	1	146926-0-01	OK
G-35	Over Looper Thread Guide	1	146929-0-01	OK	G-68	Screw	1	009670-6-12	OK
G-34	Screw	1	009670-6-12	OK	G-70	Needle Thread Guide Plate	1	110813-0-01	OK

K.062-○ Needle Width 2mm (Thin)

L.063-○ Needle Width 3mm (Thin, medium)



5
062-

19
063-

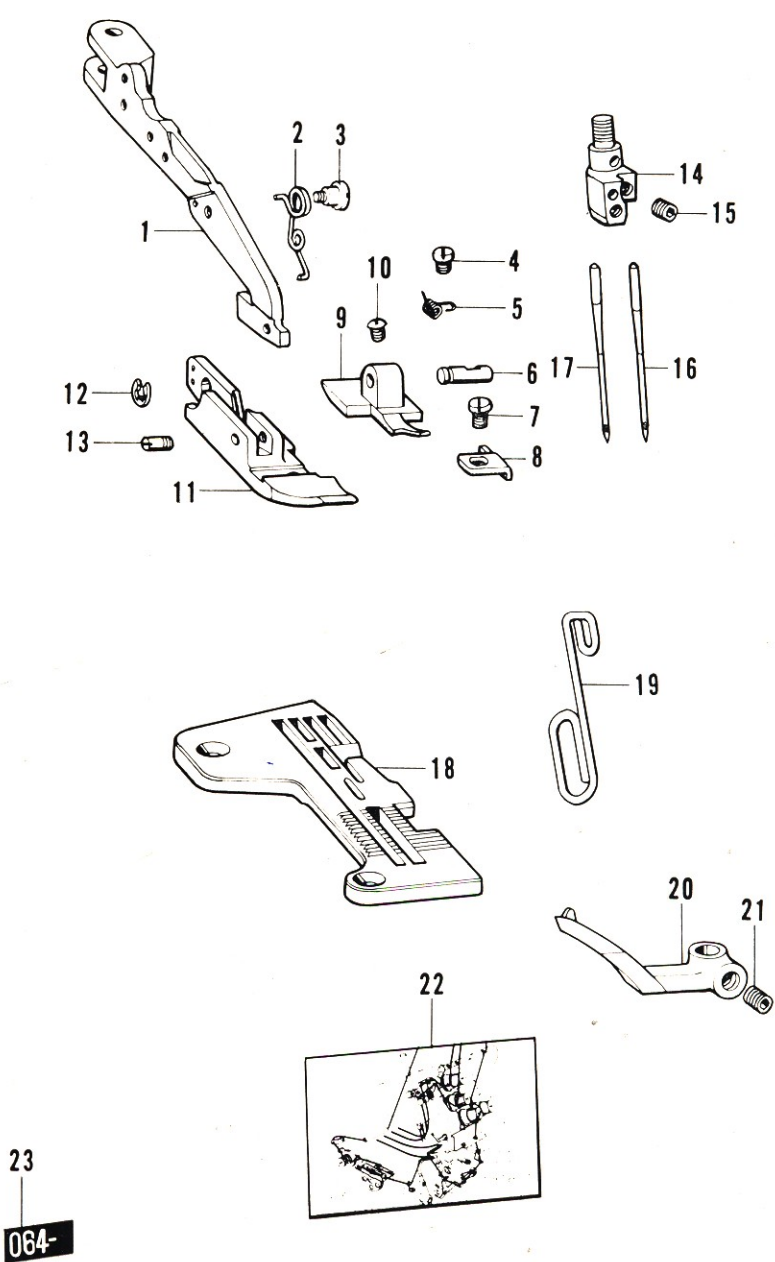
Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
K-1	Needle Thread Take-up	1	142201-0-01	OK
K-2	Over Spreader	OK 1	147935-0-01	147935-0-01
K-3	Screw	OK 1	014680-4-22	OK
K-4	Threading Diagram	1	148105-0-01	OK
K-5	Lavel	1		

All other parts except above-mentioned parts are the same as those for 061-○.

Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
L 1	Presser Arm	1		
L 2	Spring	OK 1	148152-0-01	
L 3	Stud Screw	OK 1	146901-0-01	
L 4	Screw	OK 1	122771-0-02	
L 5	Spring	OK 1	146870-0-01	
L 6	Pin	OK 1	146868-0-01	
L 7	Screw	OK 1	105288-0-01	
L 8	Presser Foot (Front)	OK 1	145147-0-01	148150-0-01
L 9	Presser Foot (Rear)	1		OK
L 10	Screw	OK 1	105288-0-01	
L 11	Presser Foot	OK 1	148150-0-01	
L 12	Stop Ring	OK 1	048020-3-42	
L 13	Screw	OK 1	146865-0-01	
L 14	Needle Clamp 3	OK 1	146489-0-01	
L 15	Screw	OK 2	146427-0-01	146489-0-01
L 16	Needle DC x 1	1	112297-0-14	OK
L 17	Needle DM x 13	1	140104-0-14	X
L 18	Needle Plate	1		
L 19	Lavel	1		

All other parts except above-mentioned parts are the same as those for 061-○.

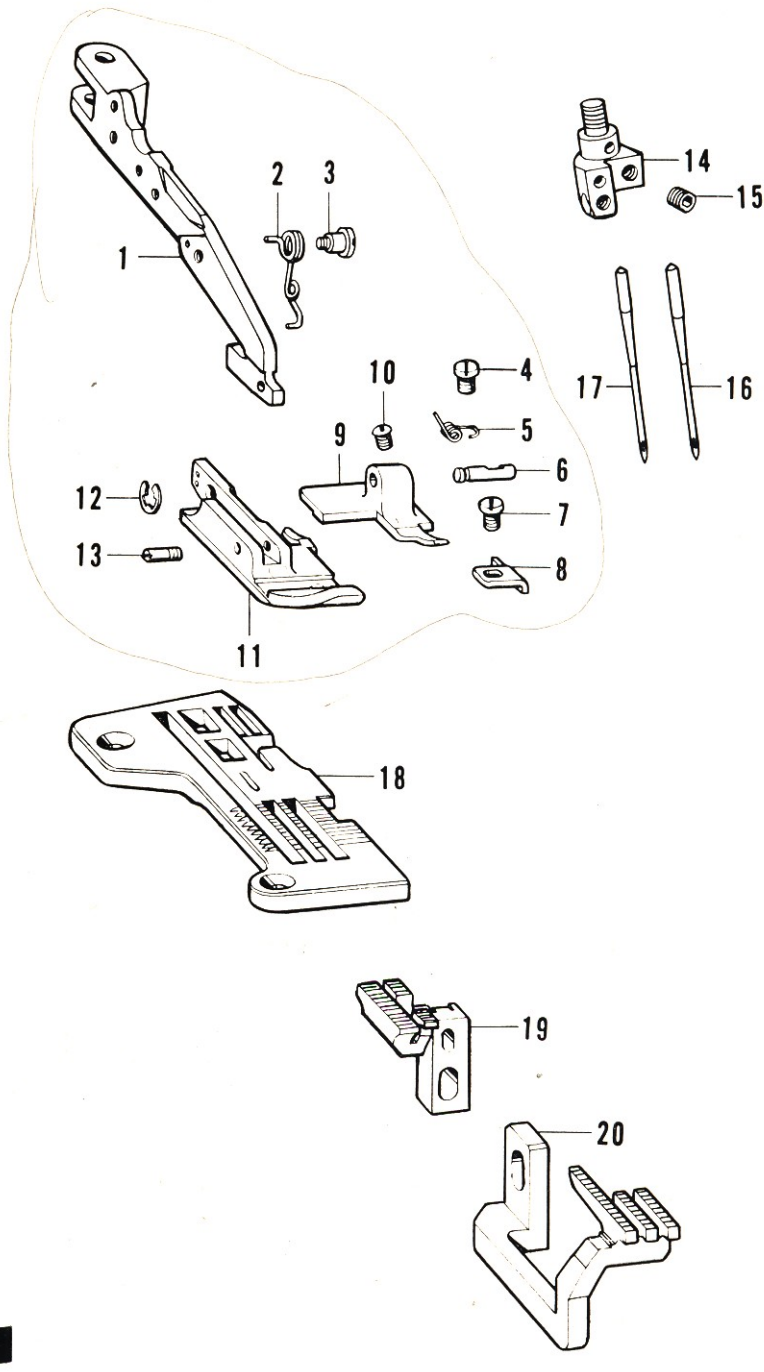
M.064-○ Needle Width 3mm
(Thin, medium)



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
M- 1	Presser Arm	1		148150-0-01	M-13	Screw	OK 1	146865-0-01	148150-0-01
M- 2	Spring	OK 1	148152-0-01		M-14	Needle Clamp 3	OK 1	146489-0-01	146489-0-01
M- 3	Screw	OK 1	146901-0-01		M-15	Screw	OK 2	146427-0-01	OK
M- 4	Screw	OK 1	122771-0-02		M-16	Needle DC×1	1	112297-0-14	X
M- 5	Spring	OK 1	146870-0-01		M-17	Needle DM×13	1	140104-0-14	X
M- 6	Pin	OK 1	146868-0-01		M-18	Needle Plate	1		
M- 7	Screw	OK 1	105288-0-01		M-19	Needle Thread Take-up	1	142201-0-01	OK
M- 8	Presser Foot (Front)	OK 1	145147-0-01		M-20	Over Spreader	1	147935-0-01	147935-0-01
M- 9	Presser Foot (Rear)	1			M-21	Screw	OK 1	014680-4-22	OK
M-10	Screw	OK 1	105288-0-01		M-22	Threading Diagram	1	148105-0-01	OK
M-11	Presser Foot	OK 1	148150-0-01		M-23	Lavel	1		
M-12	Stop Ring	OK 1	048020-3-42						

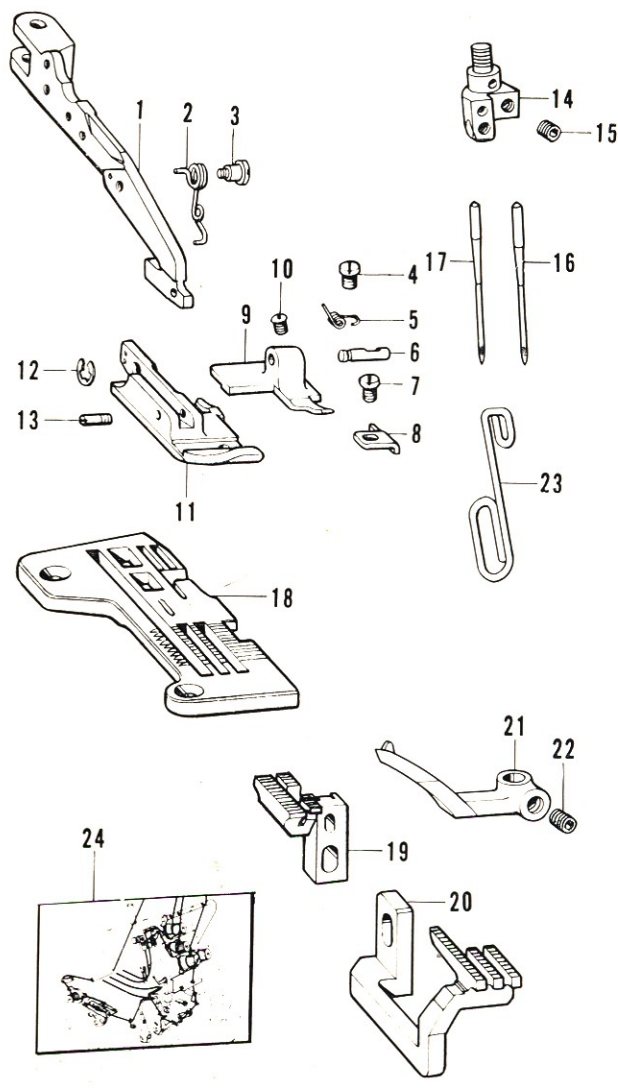
All other parts except above-mentioned parts are the same as those for 061-○.

N.065— Needle Width 5mm
(Medium, heavy)



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
N- 1	Presser Arm	1		148153-0-01	N-12	Stop Ring	1	048020-3-42	148153-0-01
N- 2	Spring	OK 1	148152-0-01		N-13	Screw	OK 1	140270-0-01	
N- 3	Stud Screw	OK 1	146901-0-01		N-14	Needle Clamp 5	OK 1	146491-0-01	146491-0-01
N- 4	Screw	OK 1	122771-0-02		N-15	Screw	OK 2	146427-0-01	
N- 5	Spring	OK 1	146870-0-01		N-16	Needle DC×1	1	112297-0-16	
N- 6	Pin	OK 1	146868-0-01		N-17	Needle DM×13	1	140104-0-16	
N- 7	Screw	OK 1	105288-0-01		N-18	Needle Plate	1		
N- 8	Presser Foot (Front)	OK 1	145147-0-01		N-19	Main Feet Dog	1	146568-0-01	OK
N- 9	Presser Foot (Rear)	1			N-20	Differential Feed Dog	1	146573-0-01	OK
N-10	Screw	OK 1	105288-0-01		N-21	Lavel	1		
N-11	Presser Foot	OK 1	148153-0-01						

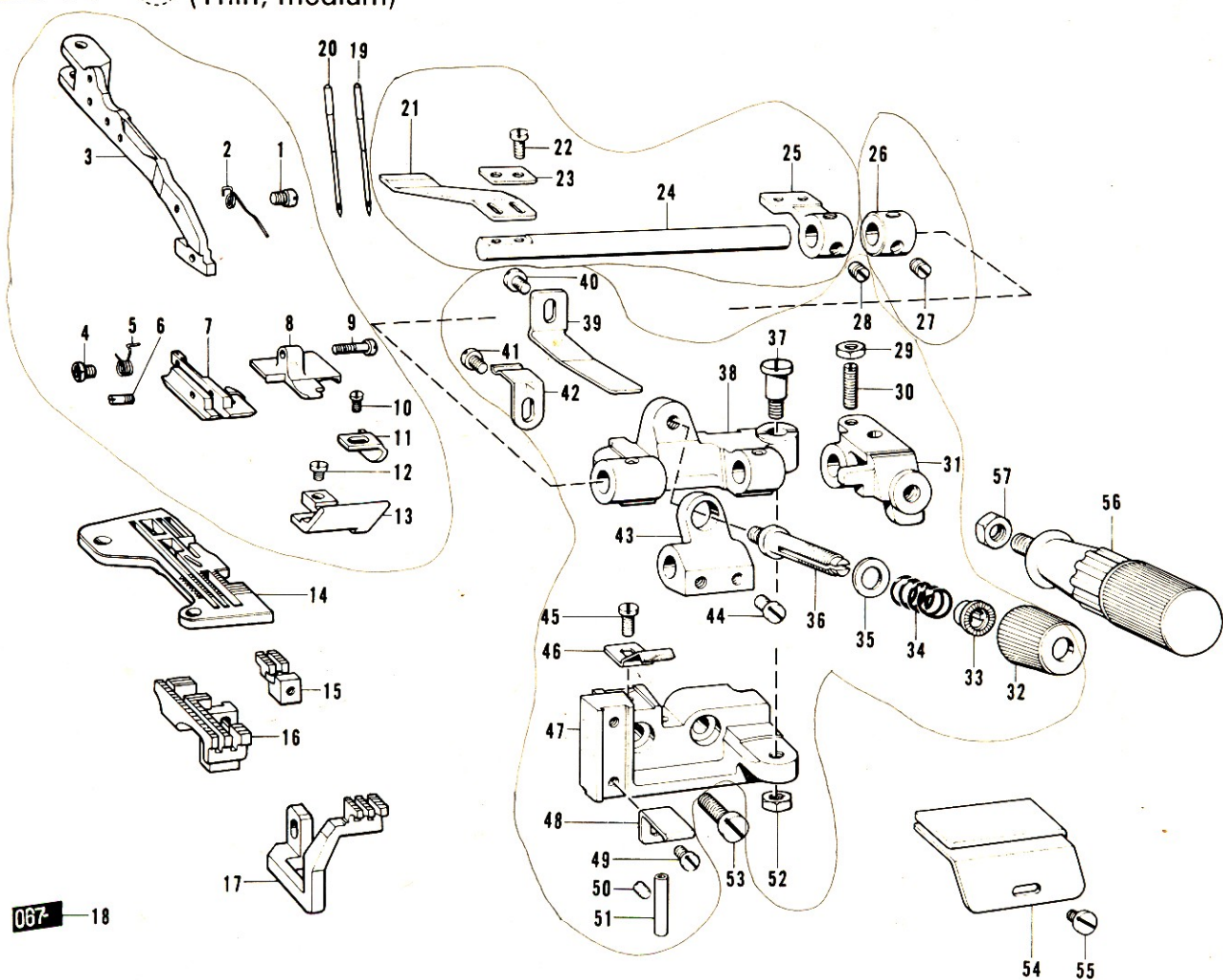
All other parts except above-mentioned parts are the same as those for 061—.



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
P- 1	Presser Arm	1		148153-0-01 OK	P-14	Needle Clamp 5	OK 1	146591-0-01	146491-0-01 OK
P- 2	Spring	OK 1	148152-0-01		P-15	Screw	OK 2	146427-0-01	
P- 3	Stud Screw	OK 1	146901-0-01		P-16	Needle DC×1	1	112297-0-16	X
P- 4	Screw	OK 1	122771-0-02		P-17	Needle DM×13	1	140104-0-16	X
P- 5	Spring	OK 1	146870-0-01		P-18	Needle Plate	1	146573-0-01	OK
P- 6	Pin	OK 1	146868-0-01		P-19	Main Feed Dog	1	146568-0-01	OK
P- 7	Screw	OK 1	105288-0-01		P-20	Differential Feed Dog	1	146573-0-01	OK
P- 8	Presser Foot (Front)	OK 1	145147-0-01		P-21	Over Spreader	OK 1	147935-0-01	147935-0-01 OK
P- 9	Presser Foot (Rear)	1			P-22	Screw	OK 1	014680-4-22	
P-10	Screw	OK 1	105288-0-01		P-23	Needle Thread Take-up	1	142201-0-01	OK
P-11	Presser Foot	OK 1	146153-0-01		P-24	Threading Diagram	1	148105-0-01	OK
P-12	Stop Ring	OK 1	048020-3-42		P-25	Level	1		
P-13	Screw	OK 1	140270-0-01						

All other parts except above-mentioned parts are the same as those for 061-.

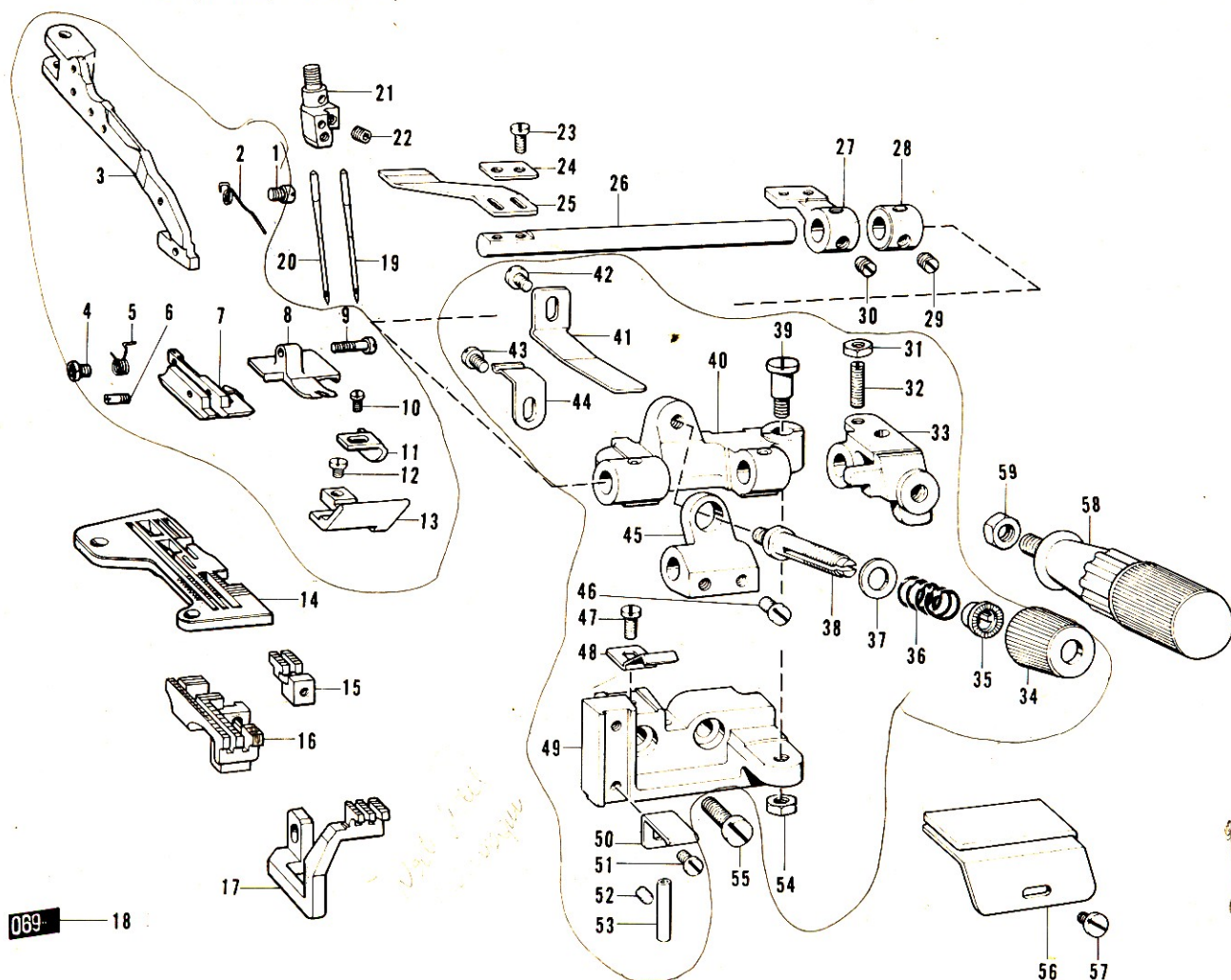
Q.067-○ Needle Width 2mm (Thin, medium)



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
Q-1	Set Screw	OK 1	140992-0-01	148158-0-01	Q-30	Screw	OK 1	110230-0-01	146587-0-01
Q-2	Spring	OK 1	140993-0-01		Q-31	Handle Fixing Plate	1		
Q-3	Presser Arm	1			Q-32	Thread Tension Adjusting Nut	OK 1	144106-0-02	
Q-4	Nut	OK 1	140273-0-01		Q-33	Washer	OK 1	144105-0-00	
Q-5	Spring	OK 1	140275-0-01		Q-34	Spring	OK 1	144788-0-01	
Q-6	Screw	OK 1	140270-0-01		Q-35	Washer	OK 1	025770-2-32	
Q-7	Presser Foot	X 1	146879-0-01		Q-36	Looper Thread Tension Control Stud	OK 1	110820-0-01	
Q-8	Presser Foot (Rear)	1			Q-37	Screw	OK 1	147933-0-01	
Q-9	Screw	OK 1	140272-0-01		Q-38	Bracket for Ruffling Blade	1		
Q-10	Screw	OK 1	105288-0-01		Q-39	Spring	OK 1	145811-0-01	
Q-11	Presser Foot	OK 1	144778-0-01	146587-0-01	Q-40	Screw	OK 1	009680-6-12	146587-0-01
Q-12	Screw	OK 1	009660-7-12		Q-41	Screw	OK 1	001670-5-12	
Q-13	Presser Foot (U)	1			Q-42	Spring	OK 1	144764-0-01	
Q-14	Needle Plate	1			Q-43	Spring Bace	1		
Q-15	Chain Feed Dog	1	148189-0-01		Q-44	Screw	OK 2	105163-0-01	
Q-16	Main Feed Dog	1	148190-0-01		Q-45	Screw	OK 1	009680-6-12	
Q-17	Differential Feed Dog	1	146575-0-01		Q-46	Spring	OK 1	145808-0-01	
Q-18	Lavel	1			Q-47	Ruffler Base	OK 1		
Q-19	Needle DC×1	1	112297-0-14		Q-48	Ruffling Blade Guide	OK 2	145807-0-01	
Q-20	Needle DM×13	1	140104-0-14		Q-49	Screw	OK 2	009680-8-12	
Q-21	Ruffling Blade	OK 1	144783-0-01	146587-0-01	Q-50	Screw	OK 1	013679-4-12	146587-0-01
Q-22	Screw	OK 2	009660-7-12		Q-51	Thread Guide Pipe	OK 1	146592-0-01	
Q-23	Washer	OK 1	144784-0-01		Q-52	Nut	X 1	021760-3-03	
Q-24	Ruffling Blade Base Shaft	OK 1	145803-0-01		Q-53	Screw	X 2	009781-8-12	
Q-25	Lapper Base	1			Q-54	Ruffler Guide	1	144793-0-00	
Q-26	Set Collar	OK 1	181995-0-02		Q-55	Screw	1	112751-0-02	
Q-27	Screw	OK 2	101706-0-01		Q-56	Handle	1	145809-0-01	
Q-28	Screw	OK 2	101706-0-01		Q-57	Nut	X 1	021780-3-03	
Q-29	Nut	OK 1	105234-0-03						

All other parts except above-mentioned parts are the same as those for 061-○.

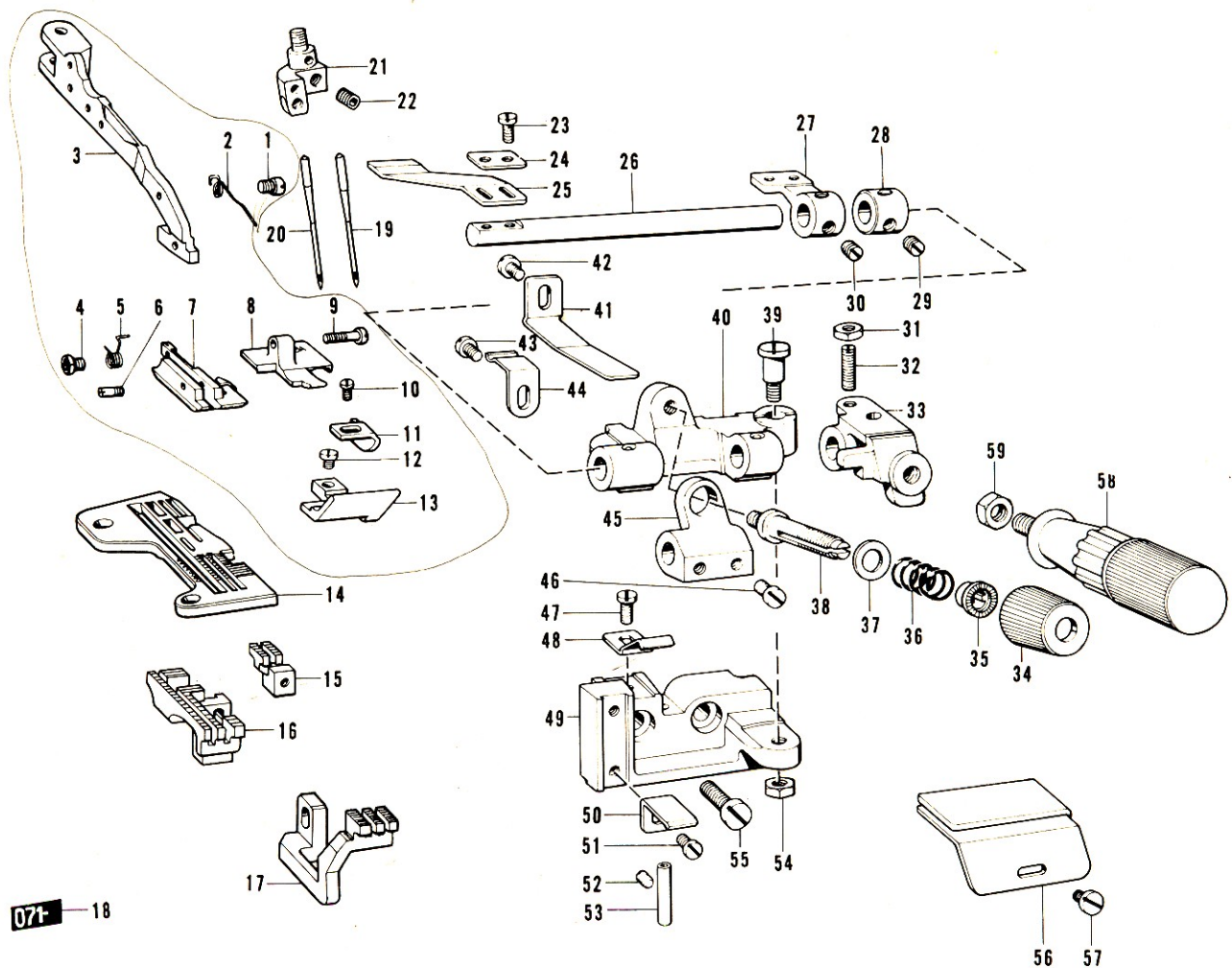
R.069-○ Needle Width 3mm (Thin, medium)



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
R-1	Set Screw	OK 1	140992-0-01	148160-0-01	R-31	Nut	OK 1	105234-0-03	146587-0-01
R-2	Spring	OK 1	140993-0-01		R-32	Screw	OK 1	110230-0-01	
R-3	Presser Arm	1			R-33	Handle Fixing Plate	1		
R-4	Screw	OK 1	140273-0-01		R-34	Thread Tension Adjusting Nut	OK 1	144106-0-02	
R-5	Spring	OK 1	140275-0-01		R-35	Washer	OK 1	144105-0-00	
R-6	Screw	OK 1	140270-0-01		R-36	Spring	OK 1	144788-0-01	
R-7	Presser Foot (E)	OK 1	148160-0-01		R-37	Washer	OK 1	025770-2-32	
R-8	Presser Foot (Rear)	1			R-38	Looper Thread Tension Control Stud	1	110820-0-01	
R-9	Screw	OK 1	140272-0-01		R-39	Screw	1	147933-0-01	
R-10	Screw	OK 1	105288-0-01		R-40	Bracket for Ruffling Blade	1		
R-11	Presser Foot	OK 1	144778-0-01	146489-0-01	R-41	Spring	1	145811-0-01	146587-0-01
R-12	Screw	OK 1	009660-7-12		R-42	Screw	1	009680-6-12	
R-13	Presser Foot (U)	1			R-43	Screw	1	001670-5-12	
R-14	Needle Plate	1			R-44	Spring	1	144764-0-01	
R-15	Chain Feed Dog (D)	1	148189-0-01		R-45	Spring Base	1		
R-16	Main Feed Dog	1	148190-0-01		R-46	Screw	2	105163-0-01	
R-17	Differential Feed Dog	1	146575-0-01		R-47	Screw	1	009680-6-12	
R-18	Lavel	1			R-48	Ruffling Blade Base Spring	1	145808-0-01	
R-19	Needle DC×1	1	112297-0-14		R-49	Ruffler Base	1		
R-20	Needle DM×13	1	140104-0-14		R-50	Ruffling Blade Guide	2	145807-0-01	
R-21	Needle Clamp	OK 1	146489-0-01	146587-0-01	R-51	Screw	2	009680-8-12	181995-0-02
R-22	Screw	OK 2	146427-0-01		R-52	Screw	1	013679-4-12	
R-23	Screw	OK 2	009660-7-12		R-53	Thread Guide Pipe	1	146592-0-01	
R-24	Washer	OK 1	144784-0-01		R-54	Nut	1	021760-3-03	
R-25	Ruffling Blade	OK 1	144783-0-01		R-55	Screw	2	009781-8-12	
R-26	Ruffling Blade Base Shaft	OK 1	145803-0-01		R-56	Ruffler Guide	1	144793-0-00	
R-27	Lapper Base	1			R-57	Screw	1	112751-0-02	
R-28	Set Collar	OK 1	181995-0-02		R-58	Handle	1	145809-0-01	
R-29	Screw	OK 2	101706-0-01		R-59	Nut	1	021780-3-03	
R-30	Screw	OK 2	101706-0-01						

All other parts except above-mentioned parts are the same as those for 061-○.

S.071 Needle Width 5mm (Medium, heavy)



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
S- 1	Set Screw	OK 1	140992-0-01	148161-0-01	S-31	Nut	1	105234-0-03	146587-0-01
S- 2	Spring	OK 1	140993-0-01		S-32	Screw	1	110230-0-01	
S- 3	Presser Arm	1			S-33	Handle Fixing Plate	1		
S- 4	Screw	OK 1	140273-0-01		S-34	Thread Tension Adjusting Nut	1	144106-0-02	
S- 5	Spring	OK 1	140275-0-01		S-35	Washer	1	144105-0-00	
S- 6	Screw	OK 1	140270-0-01		S-36	Spring	1	144788-0-01	
S- 7	Presser Foot (D5)	1			S-37	Washer	1	025770-2-32	
S- 8	Presser Foot (Rear)	1			S-38	Looper Thread Tension Control Stud	1	110820-0-01	
S- 9	Screw	OK 1	140272-0-01		S-39	Screw	1	147933-0-01	
S-10	Screw	OK 1	105288-0-01		S-40	Bracket for Ruffling Blade	1		
S-11	Presser Foot	OK 1	144778-0-01		S-41	Spring	1	145811-0-01	
S-12	Screw	OK 1	009660-7-12		S-42	Screw	1	009680-6-12	
S-13	Presser Foot (U)	1			S-43	Screw	1	001670-5-12	
S-14	Needle Plate	1		146491-0-01	S-44	Spring	1	144764-0-01	
S-15	Chain Feed Dog (D)	1	148189-0-01		S-45	Spring Base	1		
S-16	Main Feed Dog	1	148191-0-01		S-46	Screw	2	105163-0-01	
S-17	Differential Feed Dog	1	146576-0-01		S-47	Screw	1	009680-6-12	
S-18	Lavel	1			S-48	Ruffling Blade Base Spring	1	145808-0-01	
S-19	Needle DC×1	1	112297-0-14		S-49	Ruffler Base	1		
S-20	Needle DM×13	1	140104-0-14		S-50	Ruffling Blade Guide	2	145807-0-01	
S-21	Needle Clamp	OK 1	146491-0-01		S-51	Screw	2	009680-8-12	
S-22	Screw	OK 2	146427-0-01		S-52	Screw	1	013679-4-12	
S-23	Screw	2	009660-7-12		S-53	Thread Guide Pipe	1	146592-0-01	
S-24	Washer	1	144784-0-01		S-54	Nut	1	021760-3-03	
S-25	Ruffling Blade	1	144783-0-01	181995-0-02	S-55	Screw	2	009781-8-12	
S-26	Ruffling Blade Base Shaft	1	145803-0-01		S-56	Ruffler Guide	1	144793-0-00	
S-27	Lapper Base	1			S-57	Screw	1	112751-0-02	
S-28	Set Collar	1			S-58	Handle	1	145809-0-01	
S-29	Screw	2	101706-0-01		S-59	Nut	1	021780-3-03	
S-30	Screw	2	101706-0-01						

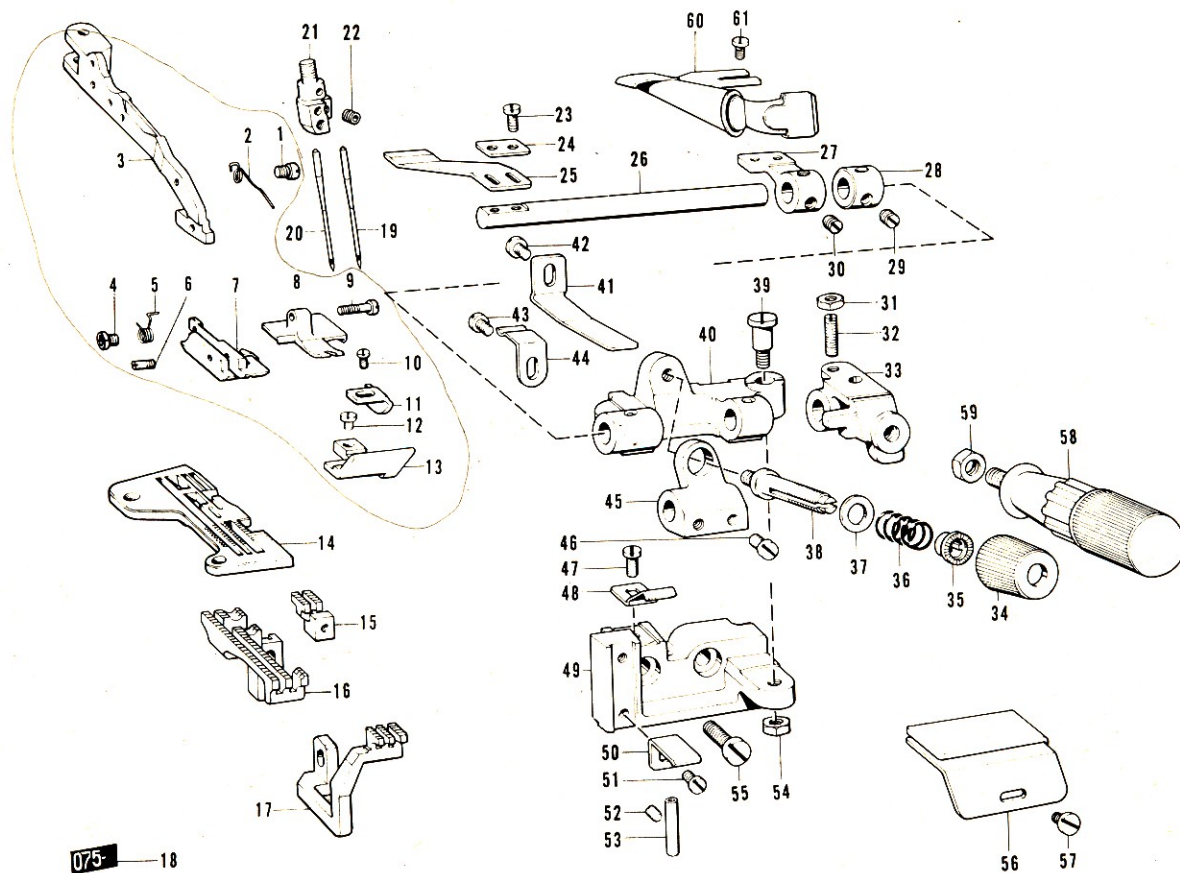
All other parts except above-mentioned parts are the same as those for 061 .



146587-0-01



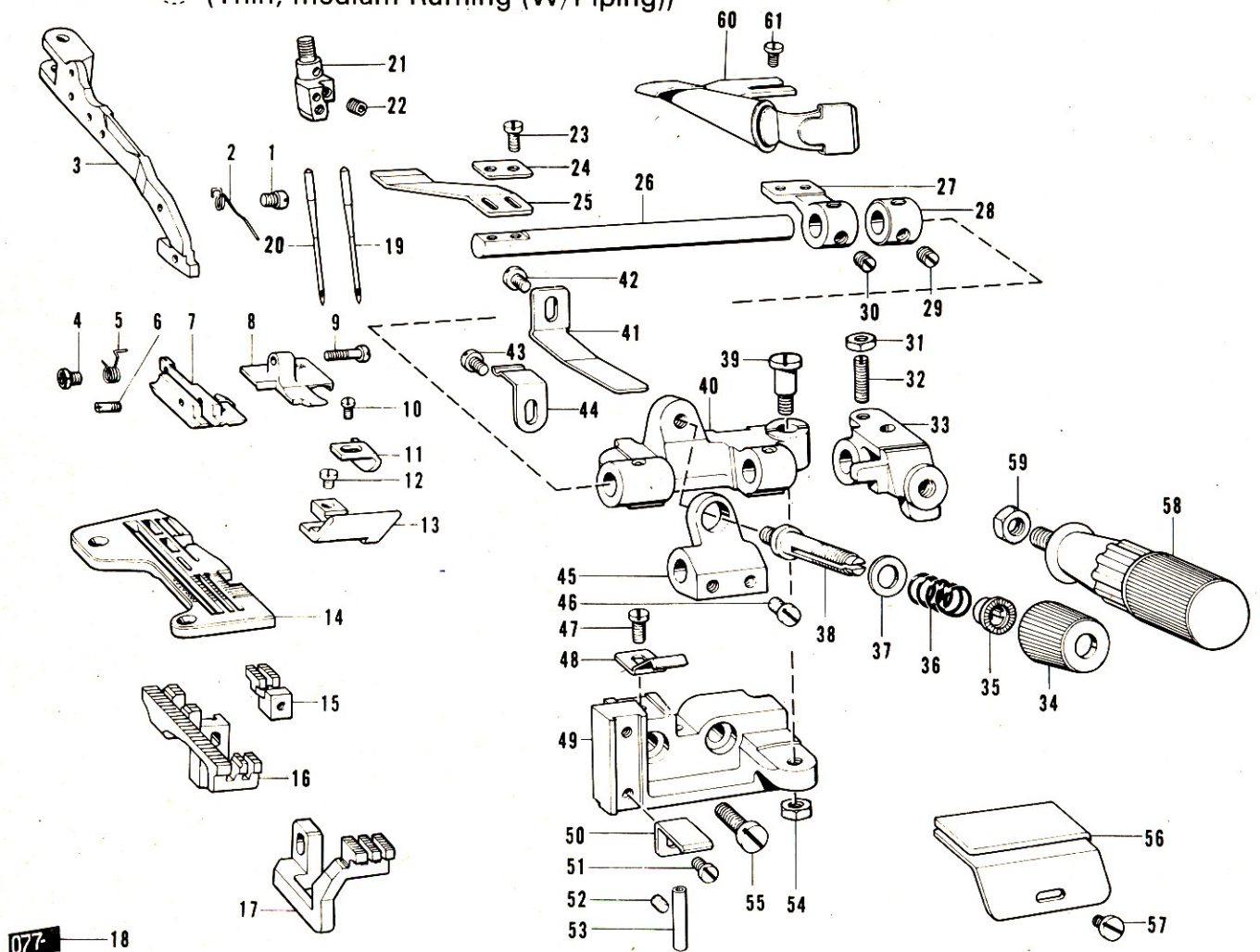
U.075- Needle Width 3mm (Thin, medium Ruffling (W/Piping))



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
U- 1	Set Screw	OK 1	140992-0-01	148748-0-01 OK	U-32	Screw	1	110230-0-01	146587-0-01
U- 2	Spring	OK 1	140993-0-01		U-33	Handle Fixing Plate	1		
U- 3	Presser Arm	1			U-34	Thread Tension Adjusting Nut	1	144106-0-02	
U- 4	Screw	OK 1	140273-0-01		U-35	Washer	1	144105-0-00	
U- 5	Spring	OK 1	140275-0-01		U-36	Spring	1	144788-0-01	
U- 6	Screw	OK 1	140270-0-01		U-37	Washer	1	025770-2-32	
U- 7	Presser Foot	1			U-38	Looper Thread Tension Control Stud	1	110820-0-01	
U- 8	Presser Foot (Rear)	1			U-39	Screw	1	147933-0-01	
U- 9	Screw	OK 1	140272-0-01		U-40	Bracket for Ruffling Blade	1		
U-10	Screw	OK 1	105288-0-01		U-41	Spring	1	145811-0-01	
U-11	Presser Foot	OK 1	144778-0-01		U-42	Screw	1	009680-6-12	
U-12	Screw	OK 1	009660-7-12		U-43	Screw	1	001670-5-12	
U-13	Presser Foot (U)	1		146489-0-01 OK	U-44	Spring	1	144764-0-01	
U-14	Needle Plate	1			U-45	Spring Base	1		
U-15	Chain Feed Dog (D)	1	148189-0-01		U-46	Screw	2	105163-0-01	
U-16	Main Feed Dog	1	148751-0-01		U-47	Screw	1	009680-6-12	
U-17	Differential Feed Dog	1	146575-0-01		U-48	Ruffling Blade Base Spring	1	145808-0-01	
U-18	Lavel	1			U-49	Ruffler Base	1		
U-19	Needle DC×1	1	112297-0-14		U-50	Ruffling Blade Guide	2	145807-0-01	
U-20	Needle DM×13	1	140104-0-14		U-51	Screw	2	009680-8-12	
U-21	Needle Clamp 3	OK 1	146189-0-01		U-52	Screw	1	013679-4-12	
U-22	Screw	OK 2	146427-0-01		U-53	Thread Guide Pipe	1	146592-0-01	
U-23	Screw	2	009660-7-12	146587-0-01	U-54	Nut	1	021760-3-03	
U-24	Washer	1	144784-0-01		U-55	Screw	2	009781-8-12	
U-25	Ruffling Blade	1	144783-0-01		U-56	Ruffler Guide	1	144793-0-00	
U-26	Ruffling Blade Base Shaft	1	145803-0-01		U-57	Screw	1	112751-0-02	
U-27	Lapper Base	1			U-58	Handle	1	145809-0-01	
U-28	Set Collar	1			U-59	Nut	1	021780-3-03	
U-29	Screw	2	101706-0-01		U-60	Lapper	1	147440-0-00	
U-30	Screw	2	101706-0-01		U-61	Screw	1	009680-6-12	
U-31	Nut	1	105234-0-03						

All other parts except above-mentioned parts are the same as those for 061-.

V.077- Needle Width 5mm (Thin, medium Ruffling (W/Piping))

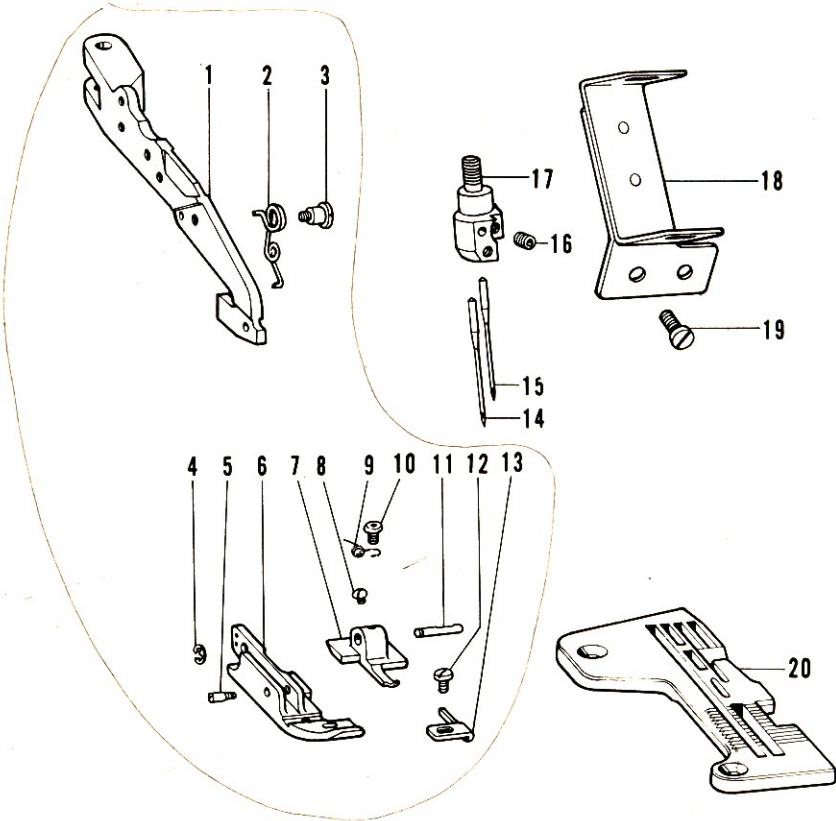


077-18

Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
V-1	Set Screw	OK 1	140992-0-01	148749-0-01	V-32	Screw	1	110230-0-01	146587-0-01
V-2	Spring	OK 1	140993-0-01		V-33	Handle Fixing Plate	1		
V-3	Presser Arm	1			V-34	Thread Tension Adjusting	1	144106-0-02	
V-4	Screw	OK 1	140273-0-01		V-35	Washer	1	144105-0-00	
V-5	Spring	OK 1	140275-0-01		V-36	Spring	1	144788-0-01	
V-6	Screw	OK 1	140270-0-01		V-37	Washer	1	025770-2-32	
V-7	Presser Foot	1			V-38	Looper Thread Tension Control Stud	1	110820-0-01	
V-8	Presser Foot (Rear)	1			V-39	Screw	1	147933-0-01	
V-9	Screw	OK 1	140272-0-01		V-40	Bracket for Ruffling Blade	1		
V-10	Screw	OK 1	105288-0-01		V-41	Spring	1	145811-0-01	
V-11	Presser Foot	OK 1	144778-0-01		V-42	Screw	1	009680-6-12	
V-12	Screw	OK 1	009660-7-12		V-43	Screw	1	001670-5-12	
V-13	Presser Foot (U)	1		146491-0-01	V-44	Spring	1	144764-0-01	
V-14	Needle Plate	1			V-45	Spring Base	1		
V-15	Chain Feed Dog (D)	1	148189-0-01		V-46	Screw	2	105163-0-01	
V-16	Main Feed Dog	1	148752-0-01		V-47	Screw	1	009680-6-12	
V-17	Differential Feed Dog	1	146575-0-01		V-48	Ruffling Blade Base Spring	1	145808-0-01	
V-18	Lavel	1			V-49	Ruffler Base	1		
V-19	Needle DC×1	1	112297-0-14		V-50	Ruffling Blade Guide	2	145807-0-01	
V-20	Needle DM×13	1	140104-0-14		V-51	Screw	2	009680-8-12	
V-21	Needle Clamp 3	OK 1	146491-0-01		V-52	Screw	1	013679-4-12	
V-22	Screw	OK 2	146427-0-01		V-53	Thread Guide Pipe	1	146592-0-01	
V-23	Screw	2	009660-7-12	146587-0-01	V-54	Nut	1	021760-3-03	
V-24	Washer	1	144784-0-01		V-55	Screw	2	009781-8-12	
V-25	Ruffling Blade	1	144783-0-01		V-56	Ruffler Guide	1	144793-0-00	
V-26	Ruffling Blade Base Shaft	1	145803-0-01		V-57	Screw	1	112751-0-02	
V-27	Lapper Base	1			V-58	Handle	1	145809-0-01	
V-28	Set Collar	1			V-59	Nut	1	021780-3-03	
V-29	Screw	2	101706-0-01		V-60	Lapper	1	147440-0-00	
V-30	Screw	2	101706-0-01		V-61	Screw	1	009680-6-12	
V-31	Nut	1	105234-0-03						

All other parts except above-mentioned parts are the same as those for 061-.

W.081-○ Needle Width 3mm
(Thin, medium taping)

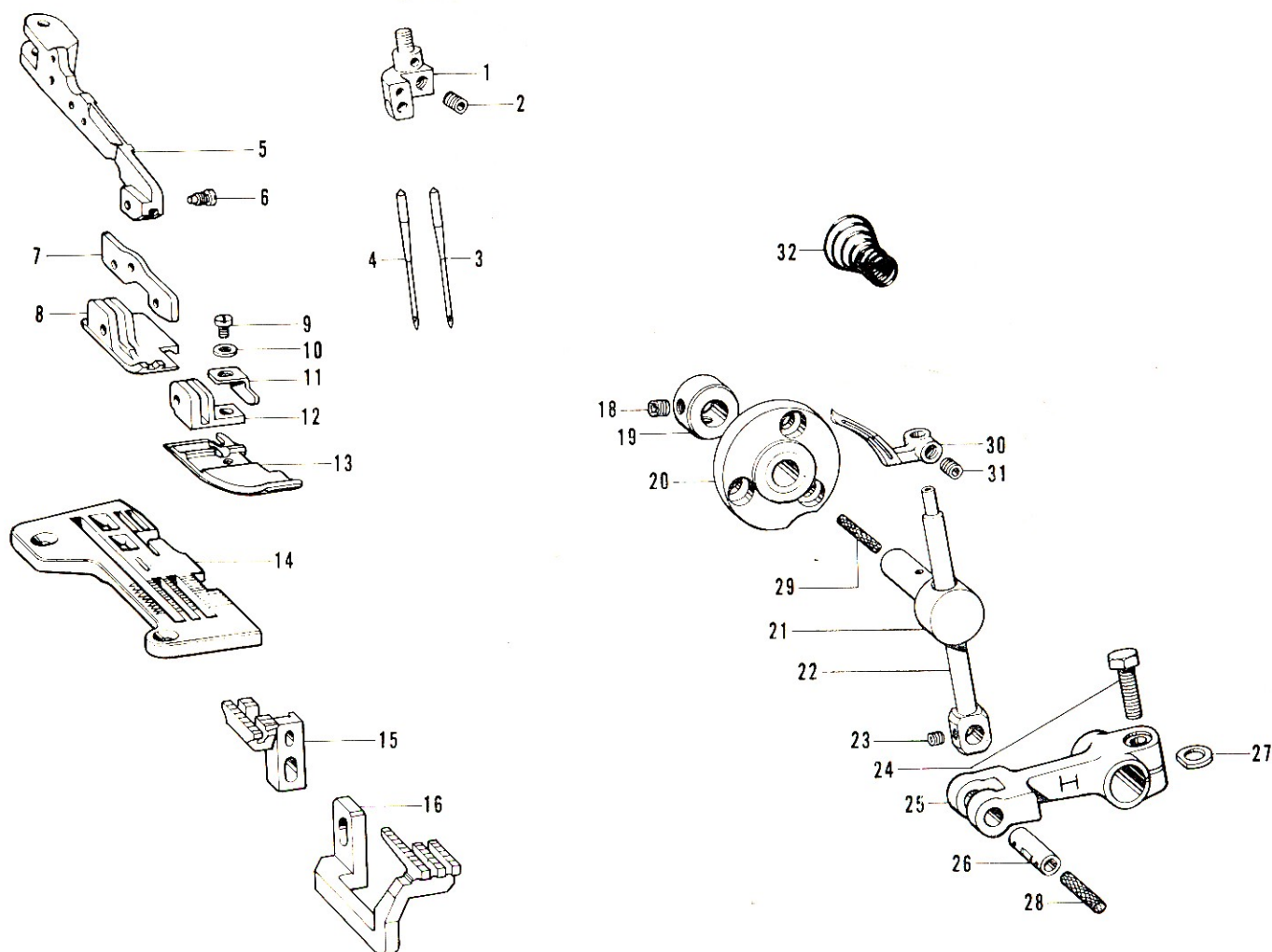


081- — 21

Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
W- 1	Presser Arm	1		148162-0-01	W-12	Screw	OK 1	105288-0-01	148162-0-01
W- 2	Spring	OK 1	148152-0-01		W-13	Presser Foot (Front)	OK 1	145147-0-01	
W- 3	Stud Screw	OK 1	146901-0-01		W-14	Needle DM×13	1	140104-0-14	
W- 4	Stop Ring	OK 1	048020-3-42		W-15	Needle DC×1	1	112297-0-14	
W- 5	Screw	OK 1	146865-0-01		W-16	Screw	OK 2	146427-0-01	
W- 6	Presser Foot	1			W-17	Needle Clamp 3	OK 1	146409-0-01	
W- 7	Presser Foot (Rear)	1			W-18	Tape Guide	1	146883-0-01	
W- 8	Screw	OK 1	105288-0-01		W-19	Screw	2	009669-4-12	
W- 9	Spring	OK 1	146870-0-01		W-20	Needle Plate	1		
W-10	Screw	OK 1	122771-0-02		W-21	Lavel	1		
W-11	Pin	OK 1	146868-0-01						

All other parts except above-mentioned parts are the same as those for 061 ○.

W:087- Needle Width 5mm
(Extra heavy)

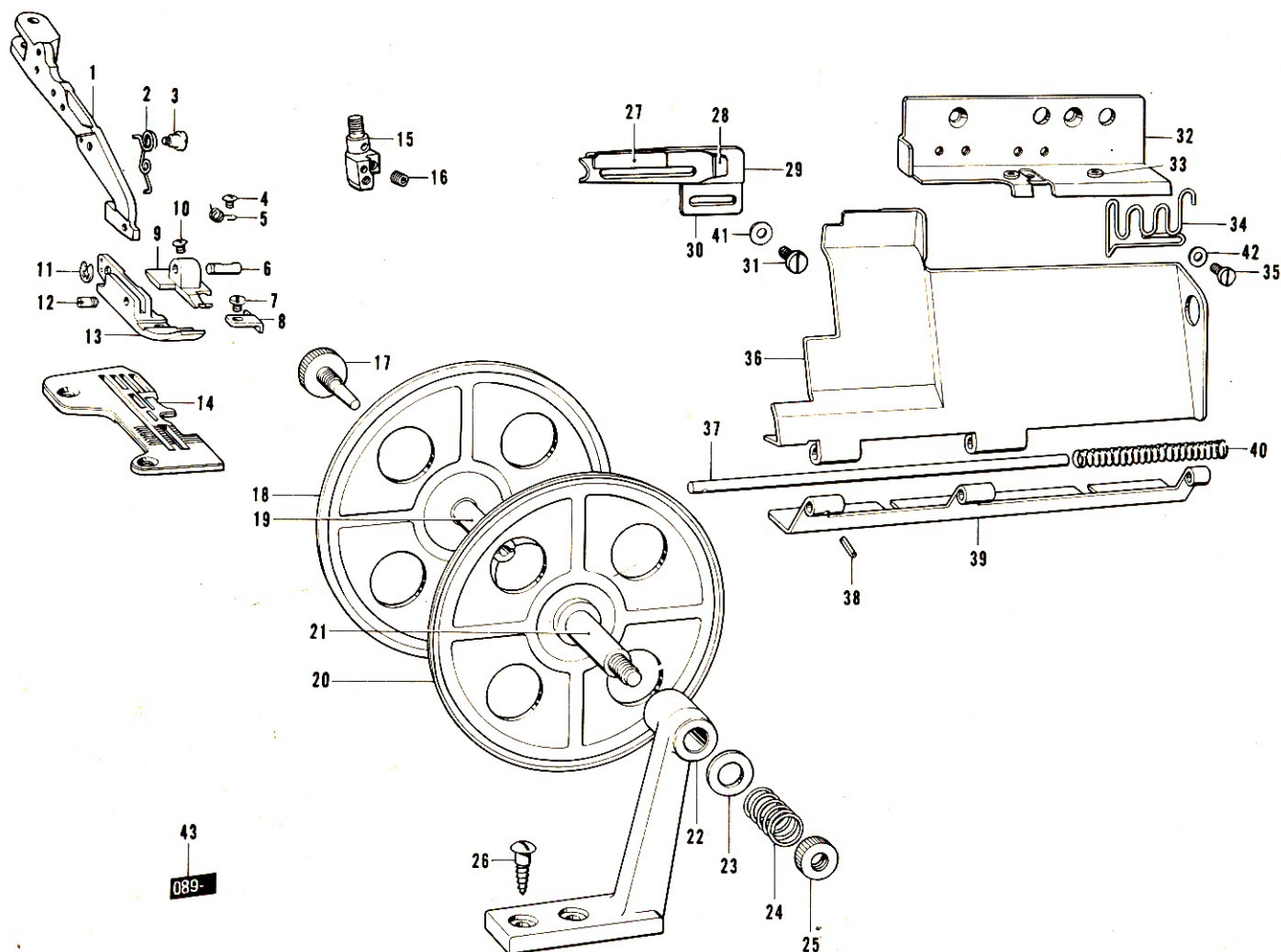


087- 17

Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
W:1	Needle Clamp 5	1	146427-0-01	146491-0-01	W:17	Lavel	1		
W:2	Screw	1	146427-0-01		W:18	Screw	2	014680-4-22	
W:3	Needle DCN1	1	112297-0-21		W:19	Set Collar	1		
W:4	Needle DMx13	1	140104-0-21		W:20	Over Looper Holder Guide Base	1		
W:5	Presser Foot	1			W:21	Over Looper Holder Guide Block	1		
W:6	Screw	3	148015-0-01		W:22	Over Looper Holder	1		
W:7	Presser Foot Supporter	1	148016-0-01		W:23	Screw	1	146427-0-01	148217-0-01
W:8	Presser Foot (Rear)	1			W:24	Bolt	1	017761-6-12	
W:9	Screw	1	009660-0-32	148260-6-01	W:25	Over Looper Driving Lever	1		
W:10	Washer	1	025030-2-32		W:26	Over Looper Holder Pin	1		
W:11	Presser Foot (Front)	1	148020-0-01		W:27	Spacer	1	148783-0-01	
W:12	Presser Foot Supporter	1	148017-0-01		W:28	Wick	1	108809-0-01	
W:13	Presser Foot	1			W:29	Wick	1	148249-0-00	
W:14	Needle Plate	1			W:30	Over Looper	1		
W:15	Main Feed Dog	1	146569-0-01		W:31	Screw	1	014680-4-22	147973-0-01
W:16	Differential Feed Dog	1	146574-0-01		W:32	Spring	2	148851-0-01	

All other parts except above-mentioned parts are the same as those for 061.

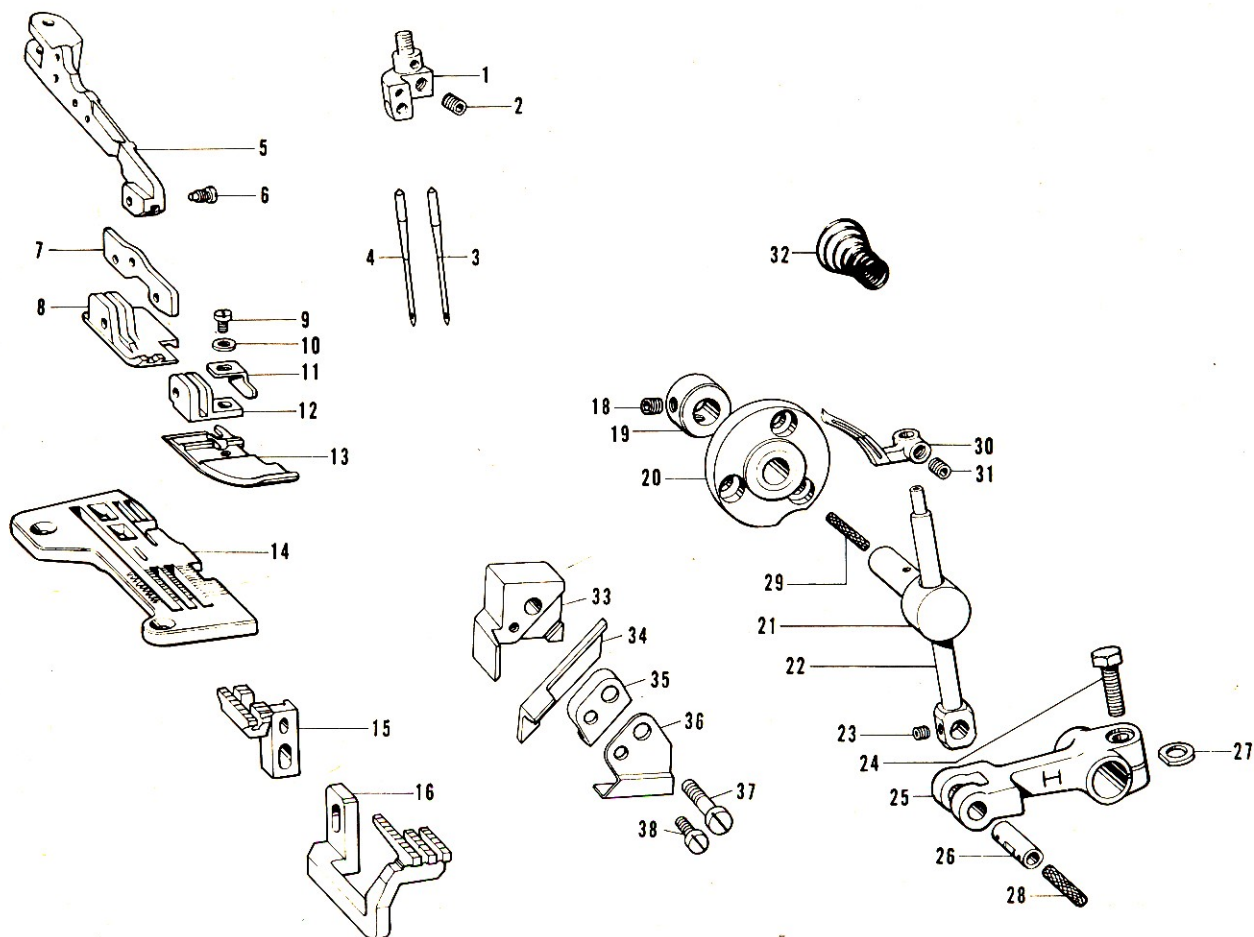
a.089- Needle Width 3mm
(Thin, medium binding)



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
a- 1	Presser Arm	1		148263-0-01	a-23	Washer	1	108494-0-01	143767-0-02
a- 2	Spring	1	148152-0-01		a-24	Spring	1	108495-0-01	
a- 3	Stud Screw	1	146901-0-01		a-25	Tension Control Nut	1	100136-0-01	
a- 4	Screw	1	122771-0-02		a-26	Screw	2	101118-0-01	
a- 5	Spring	1	146870-0-01		a-27	Lapper F	1		147373-0-00
a- 6	Pin	1	146868-0-01		a-28	Lapper B	1		
a- 7	Screw	1	105288-0-01		a-29	Lapper Body	1		
a- 8	Presser Foot (Front)	1	147371-0-01		a-30	Cloth Cover Plate	1		
a- 9	Presser Foot (Rear)	1			a-31	Screw	2	009670-5-12	147367-0-01
a-10	Screw	1	105288-0-01		a-41	Washer	2	025350-3-32	
a-11	Stop Ring	1	048020-3-42		a-32	Supporter for Front Cover	1		
a-12	Screw	1	146865-0-01		a-33	Thread Bushing	2	146924-0-00	
a-13	Presser Foot	1		146489-0-01	a-34	Tape Guide	1	147377-0-01	148264-0-01
a-14	Needle Plate	1			a-42	Washer	2	025350-3-32	
a-15	Needle Clamp 3	1		143978-0-01	a-35	Screw	2	009670-5-12	
a-16	Screw	2	146427-0-01		a-36	Front Cover	1		
a-17	Screw	1	143980-0-01	143976-0-01	a-37	Shaft for Front Cover	1	146441-0-00	148264-0-01
a-18	Tape Winder Wheel (L)	1			a-38	Pin	1	047140-8-42	
a-19	Tape Winder Wheel Shaft (L)	1		143750-0-02	a-39	Front Cover Hinge	1	146440-0-01	
a-20	Tape Winder Wheel (R)	1			a-40	Spring	1	146442-0-01	
a-21	Tape Winder Wheel Shaft (R)	1		143767-0-02	a-43	Lavel	1		
a-22	Tape Winder Bracket	1	143750-0-02		a-44	Needle DC×1	1	112297-0-14	
					a-45	Needle DM×13	1	140104-0-14	

All other parts except above-mentioned parts are the same as those for 061-

b.092- Needle Width 5mm
(Extra heavy)



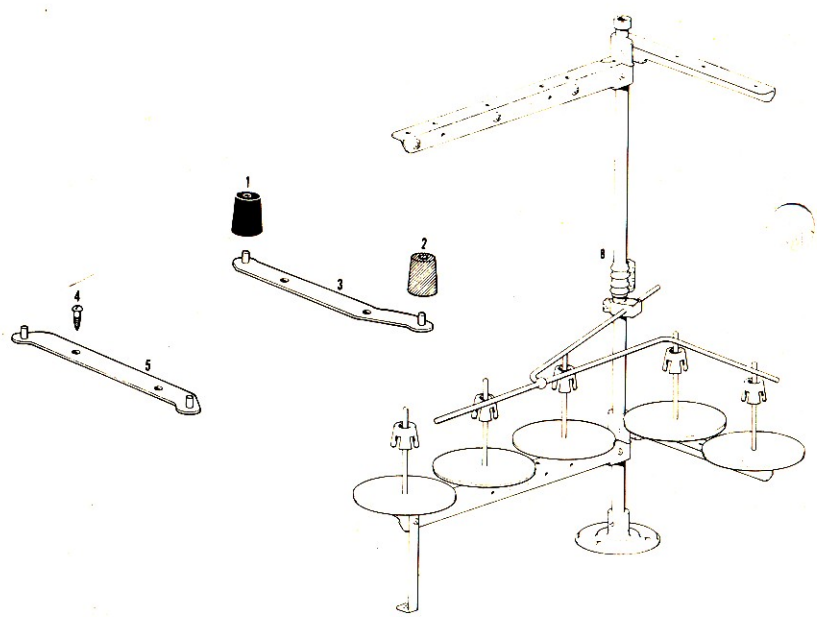
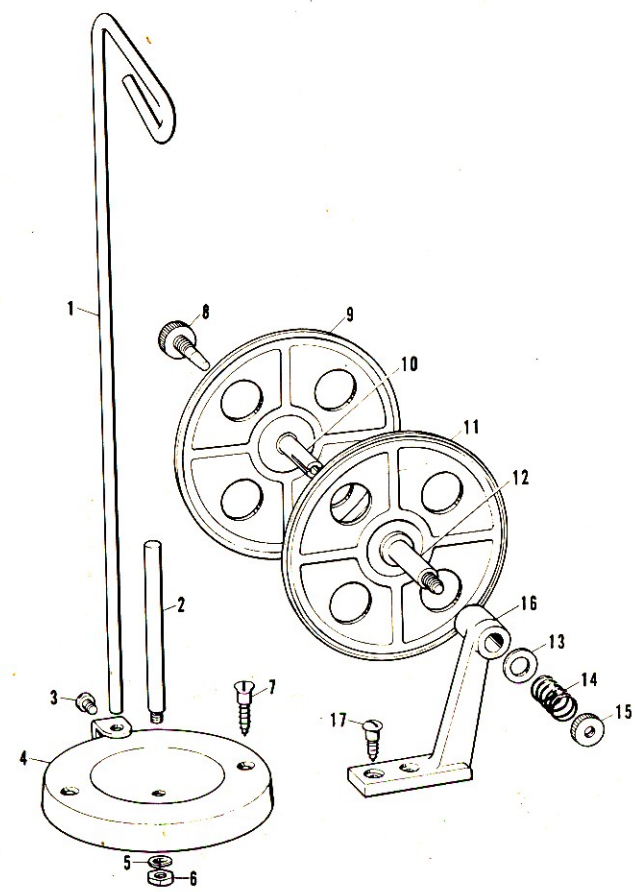
092- 17

Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
b- 1	Needle Clamp 5	1		146491-0-01	b-20	Over Looper Holder Guide Base	1		148217-0-01
b- 2	Screw	1	146427-0-01		b-21	Over Looper Holder Guide Block	1		
b- 3	Needle DC×1	1	112297-0-21		b-22	Over Looper Holder	1		
b- 4	Needle DM×13	1	140104-0-21		b-23	Screw	1	146427-0-01	
b- 5	Presser Foot	1		148260-0-01	b-24	Bolt	1	017761-6-12	
b- 6	Screw	3	148015-0-01		b-25	Over Looper Driving Lever	1		
b- 7	Presser Foot Supporter	1	148016-0-01		b-26	Over Looper Holder Pin	1		
b- 8	Presser Foot (Rear)	1			b-27	Spacer	1	148783-0-01	
b- 9	Screw	1	009660-6-12		b-28	Wick	1	108809-0-01	147937-0-01
b-10	Washer	1	025030-2-32		b-29	Wick	1	148249-0-00	
b-11	Presser Foot (Front)	1	148020-0-01		b-30	Over Looper	1		
b-12	Presser Foot Supporter	1	148017-0-01		b-31	Screw	1	014680-4-22	
b-13	Presser Foot	1		148217-0-01	b-32	Spring	2	148851-0-01	
b-14	Needle Plate	1			b-33	Upper Knife Holder	1	148345-0-01	
b-15	Main Feed Dog	1	146569-0-01		b-34	Upper Knife	1	148342-0-01	
b-16	Differential Feed Dog	1	146574-0-01		b-35	Upper Knife Presser	1	148343-0-01	
b-17	Lavel	1			b-36	Upper Knife Presser Plate	1	148344-0-01	
b-18	Screw	2	014680-4-22		b-37	Screw	1	102424-0-03	
b-19	Set Collar	1			b-38	Screw	1	009671-0-14	

All other parts except above-mentioned parts are the same as those for 061-.

X. Cord Guide

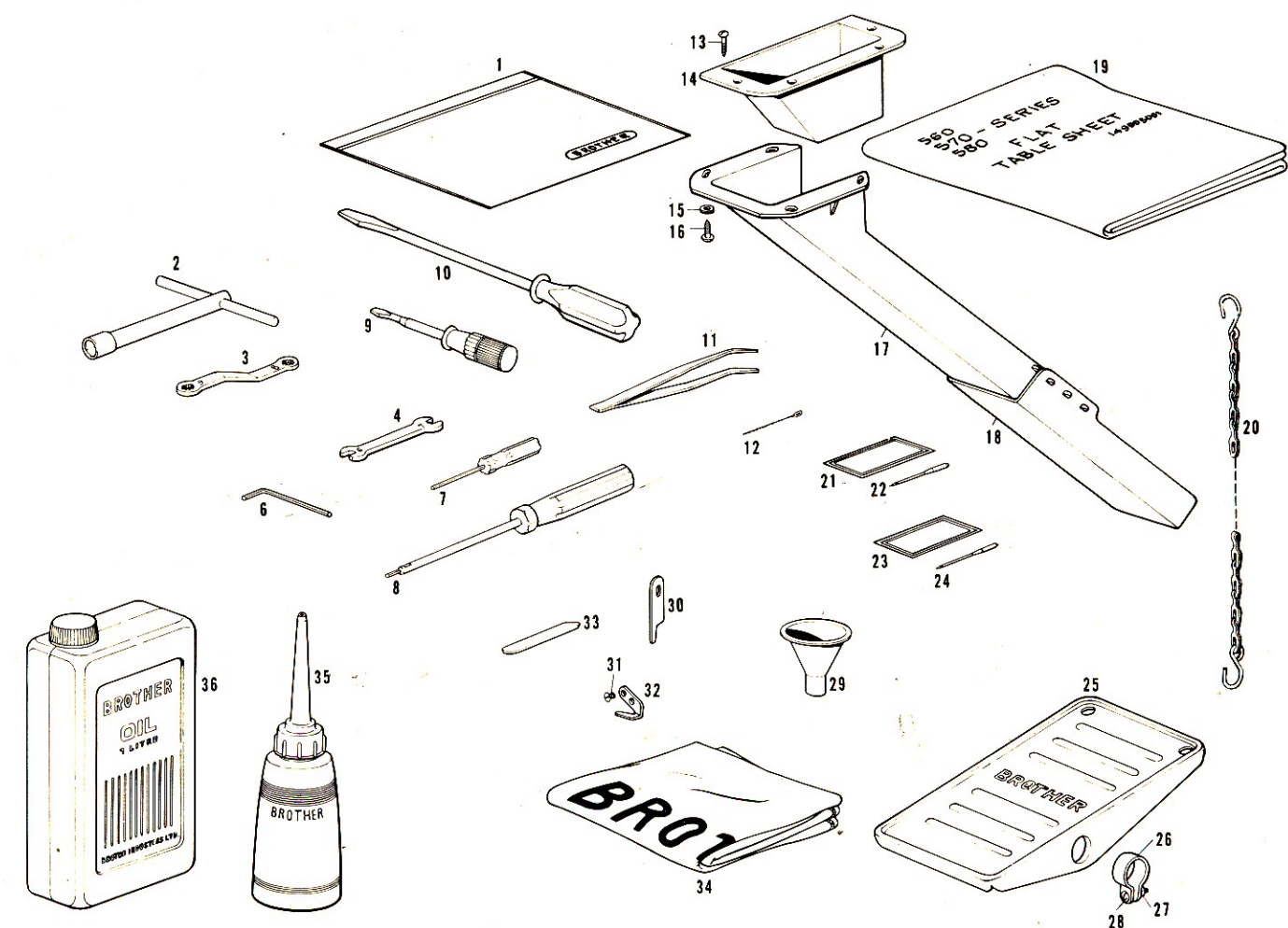
Z. Machin Head Plate and
Spool Stand



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
X- 1	Thread Guide Stud	1	109853-0-01	109854-0-01
X- 2	Spool Stand	1	100444-0-02	
X- 3	Screw	1	100080-0-02	
X- 4	Disc for Spool	1	109852-0-01	
X- 5	Washer	1	028050-2-42	
X- 6	Nut	1	110161-0-03	
X- 7	Screw	2	100447-0-01	181031-0-01
X- 8	Screw	1	143980-0-01	
X- 9	Tape Winder Wheel (L)	1		143978-0-01
X-10	Tape Winder Wheel Shaft (L)	1		
X-11	Tape Winder Wheel (R)	1		143976-0-01
X-12	Tape Winder Wheel Shaft (R)	1		
X-13	Washer	1	108494-0-01	143767-0-02
X-14	Spring	1	108495-0-01	
X-15	Tension Control Nut	1	100136-0-01	
X-16	Tape Winder Bracket	1	143750-0-02	
X-17	Screw	2	101118-0-01	

Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
Z- 1	Rubber Cushion	1	147919-0-01	
Z- 2	Rubber Cushion	3	147919-0-02	
Z- 3	Cushion Base (Right)	1	148290-0-01	
Z- 4	Screw	4	034151-6-03	
Z- 5	Cushion Base (Left)	1	148292-0-01	
Z- 8	Cotton Stund Assembly	1	150162-0-01	

Y. Accessory



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
Y- 1	Vinyl Bag	1	122991-0-01		Y-20	Chain Assembly	1	142262-0-01	
Y- 2	Wrench	1	140342-0-01		Y-21	Needle Bag	1		
Y- 3	Wrench	1	105343-0-01		Y-22	Needle DC×1	10	112297-	
Y- 4	Spanner 6×7	1	107779-0-01		Y-23	Needle Bag	1		
Y- 6	Spanner 3	1	142721-0-01		Y-24	Needle DM×13	10	140104-	
Y- 7	Screw Driver	1	144124-0-01		Y-25	Threadle Pedal	1	147893-0-01	
Y- 8	Allen Driver Wrench	1	146700-0-01		Y-26	Pedal Stopper	2	116016-0-01	
Y- 9	Screw Driver	1	118837-0-01		Y-27	Nut	2	021400-1-06	
Y-10	Screw Driver	1	101572-1-01		Y-28	Screw	2	001401-4-06	
Y-11	Tweezers	1	117466-0-00		Y-29	Funnel	1	140759-0-00	
Y-12	Threader	1	142125-0-00		Y-30	Upper Knife	1	148198-0-01	
Y-13	Screw	4	031311-3-02		Y-31	Screw	2	141542-0-01	
Y-14	Duster Drop	1	148430-0-01		Y-32	Trimming Knife	1	148259-0-01	OK
Y-15	Washer	4	025680-2-32		Y-33	Lower Knife	1	112436-0-01	
Y-16	Screw	4	031451-6-03		Y-34	Head Cover	1	144225-0-01	
Y-17	Duster Shoot (L)	1	148431-0-01		Y-35	Oiler	1	114483-0-01	
Y-18	Duster Shoot (S)	1	148432-0-01		Y-36	Oil Tank	1	145277-0-01	
Y-19	Table Sheet	1	149005-0-01						

DIFFERENT PARTS LIST

Model	Sud-Class	No. of Needles	No. of Thread	Needle Gauge	Sewing Width	Max. Stitch	Differential Ratio	Presser Foot	Feed Dog		Needle Size	Sewing Speed	Front Cover Assembly		Supporter for Front Cover Assembly		Needle Clamp 2 Assembly		Needle DC×1	
									Pitch	Type										
B-581	061-3 -5	2	5	2	3 5	3.6	0.3~1.8	4	1.6		#11	5000	A 34 A-38	148101-001	A 28 A-29	146444-001	B-11 B-12	146487-001	B-13 B-14	112297-011 140104-011
	062-3	2	4	2	3	3.6	0.3~1.8	4	1.6		#11	5000	A-34 A-38	148101-001	A-28 A-29	146444-001	B-11 B-12	146487-001	B-13 B-14	112297-011 140104-011
	063-5	2	5	3	5	3.6	0.3~1.8	6	1.6		#14	5000	A 34 A 38	148101-001	A-28 A-29	146444-001	L-14 L-15	146489-001	L-16 L-17	112297-014 140104-014
	064-5	2	4	3	5	3.6	0.3~1.8	6	1.6		#14	5000	A 34 A 38	148101-001	A 28 A-29	146444-001	M-14 M-15	146489-001	M-16 M-17	112297-014 140104-014
	065-5	2	5	5	5	3.6	0.3~1.8	6	1.6		#16	5000	A 34 A 38	148101-001	A-28 A-29	146444-001	N-14 N-15	146491-001	N-16 N-17	112297-016 140104-016
	066-5	2	4	5	5	3.6	0.3~1.8	6	1.6		#16	5000	A 34 A-38	148101-001	A 28 A-29	146444-001	P-14 P-15	146491-001	P-16 P-17	112297-016 140104-016
	067-4	2	5	2	4	3.3	0.3~2.7	5	1.6		#14	5000	A-34 A 38	148101-001	A-28 A-29	146444-001	B-11 B-12	146487-001	Q-19 Q-20	112297-014 140104-014
	069-5	2	5	3	5	3.3	0.3~2.7	5	1.6		#14	5000	A 34 A 38	148101-001	A 28 A-29	146444-001	R-21 R-22	146489-001	R-19 R-20	112297-014 140104-014
	071-6	2	5	5	6	3.3	0.3~2.7	5	1.6		#14	5000	A 34 A-38	148101-001	A-28 A-29	146444-001	S-21 S-22	146491-001	S-19 S-20	112297-014 140104-014
	073-4	2	5	2	4	3.3	0.3~2.7	5	1.6		#14	5000	A 34 A-38	148101-001	A 28 A-29	146444-001	B-11 B-12	146487-001	T-19 T-20	112297-014 140104-014
	075-5	2	5	3	5	3.3	0.3~2.7	5	1.6		#14	5000	A 34 A-38	148101-001	A 28 A-29	146444-001	U-21 U-22	146489-001	U-19 U-20	112297-014 140104-014
	077-6	2	5	5	6	3.3	0.3~2.7	5	1.6		#14	5000	A-34 A-38	148101-001	A-28 A-29	146444-001	V-21 V-22	146491-001	V-19 V-20	112297-014 140104-014
	081-5	2	5	3	5	3.6	0.3~1.8	6	1.6		#14	5000	A-34 A-38	148101-001	A 28 A-29	146444-001	W-16 W-17	146489-001	W-15 W-14	112297-014 140104-014
	087-6	2	5	5	6	3.6	0.3~1.8	6.5	2.5		#21	5000	A-34 A-38	148101-001	A 28 A-29	146444-001	W-1 W-2	146491-001	W-3 W-4	112297-021 140104-021
	089-5	2	5	3	5	3.6	0.3~1.8	6	1.6		#11	5000	a-36 a-40	148264-001	a 32 a 33	147367-001	a-15 a-16	146489-001	B-13 B-14	112297-014 140104-014
	092-6	2	5	5	6	3.6	0.3~1.8	3.5	2.5		#21	5000	A-34 A-38	148101-001	A 28 A-29	146444-001	b-1 b-2	146491-001	b-3 b-4	112297-021 140104-021

Model	Sub-Class	Needle Plate		Presser Foot Assembly		Main Feed Dog		Differential Feed Dog		Chain Feed Dog		Over Looper Assembly		Over Looper		Needle Thread Take-up		Washer	
B 581	061 3 5	B 67	146498-001	F 59 F 67	148155-001	E 43	146567-001	E 40	146572-001	E 42	146577-001	C 37 C 45 C 61	148209-001	C 46 C 47	147934-001	G 6	144108-001	G 7	105248-003
	062 3	B 67	146498-001	F 59 F 67	148155-001	E 43	146567-001	E 40	146572-001	E 42	146577-001	C 37 C 45 C 61	148209-001	K 2 K 3	147935-001	K 1	142201-001		
	063 5	L 18	146503-001	L 1 L 13	148150-001	E 43	146567-001	E 40	146572-001	E 42	146577-001	C 37 C 45 C 61	148209-001	C 46 C 47	147934-001	G 6	144108-001	G 7	105248-003
	064 5	M 18	146503-001	M 1 M 13	148150-001	E 43	146567-001	E 40	146572-001	E 42	146577-001	C 37 C 45 C 61	148209-001	M 20 M 21	147935-001	M 19	142201-001		
	065 5	N 18	146504-001	N 1 N 13	148153-001	N 19	146568-001	N 20	146573-001	E 42	146577-001	C 37 C 45 C 61	148209-001	C 46 C 47	147934-001	G 6	144108-001	G 7	105248-003
	066 5	P 18	146504-001	P 1 P 13	148153-001	N 19	146568-001	P 20	146573-001	E 42	146577-001	C 37 C 45 C 61	148209-001	P 21 P 22	147935-001	P 23	142201-001		
	067 4	Q 14	146507-001	Q 1 Q 13	148158-001	Q 16	148190-001	Q 17	146575-001	Q 15	148189-001	C 37 C 45 C 61	148209-001	C 46 C 47	147934-001	G 6	144108-001	G 7	105248-003
	069 5	R 14	146508-001	R 1 R 13	148160-001	R 16	148190-001	R 17	146575-001	R 15	148189-001	C 37 C 45 C 61	148209-001	C 46 C 47	147934-001	G 6	144108-001	G 7	105248-003
	071 6	S 14	146509-001	S 1 S 13	148161-001	S 16	148191-001	S 17	146576-001	S 15	148189-001	C 37 C 45 C 61	148209-001	C 46 C 47	147934-001	G 6	144108-001	G 7	105248-003
	073 4	T 14	146507-001	T 1 T 13	148747-001	T 16	148750-001	T 17	146575-001	T 15	148189-001	C 37 C 45 C 61	148209-001	C 46 C 47	147934-001	G 6	144108-001	G 7	105248-003
	075 5	U 14	146508-001	U 1 U 13	148748-001	U 16	148751-001	U 17	146575-001	U 15	148189-001	C 37 C 45 C 61	148209-001	C 46 C 47	147934-001	G 6	144108-001	G 7	105248-003
	077 6	V 14	146509-001	V 1 V 13	148749-001	V 16	148752-001	V 17	146576-001	V 15	148189-001	C 37 C 45 C 61	148209-001	C 46 C 47	147934-001	G 6	144108-001	G 7	105248-003
081 5	W 20	146503-001	W 1 W 13	148162-001	E 43	146567-001	E 40	146572-001	E 42	146577-001	C 37 C 45 C 61	148209-001	C 46 C 47	147934-001	G 6	144108-001	G 7	105248-003	
087 6	W 14	146510-001	W 5 W 13	148260-001	W 15	146569-001	W 16	146574-001	E 42	146577-001	W 18 W 27	148217-001	W 30 W 31	147937-001	G 6	144108-001	G 7	105248-003	
089 5	a 14	147369-001	a 1 a 13	148263-001	E 43	146567-001	E 40	146572-001	E 42	146577-001	C 37 C 45 C 61	148209-001	C 46 C 47	147934-001	G 6	144108-001	G 7	105248-003	
092 6	b 14	146510-001	b 5 b 13	148260-001	b 15	146569-001	b 16	146574-001	E 42	146577-001	b 18 b 27	148217-001	b 30 b 31	147937-001	G 6	144108-001	G 7	105248-003	

Oil Cap		Threading Diagram		Lavel		Lavel		Ruffling Attachment Assembly		Screw		Ruffler Guide		Screw		Lapper	
A-27	111865-001	A-33	148104-001	A-19	146976-001	A-42	147943-001										
A-27	111865-001	K-4	148105-001	K-5	146976-004												
A-27	111865-001	A-33	148104-001	L-19	146976-009	A-42	147943-001										
A-27	111865-001	M-22	148105-001	M-23	146976-012												
A-27	111865-001	A-33	148104-001	N-21	146976-013	A-42	147943-001										
A-27	111865-001	P-24	148105-001	P-25	146976-016												
		A-33	148104-001	Q-18	146976-019	A-42	147943-001	Q-21 Q-52	146587-001	Q-53	009781-812	Q-54	144793-000	Q-55	112751-002		
		A-33	148104-001	R-18	146976-021	A-42	147943-001	R-23 R-54	146587-001	R-55	009781-812	R-56	144793-000	R-57	112751-002		
		A-33	148104-001	S-18	146976-023	A-42	147943-001	S-23 S-54	146587-001	S-55	009781-812	S-56	144793-000	S-57	112751-002		
		A-33	148104-001	T-18	146976-025	A-42	147943-001	T-21 T-52	146587-001	T-53	009781-812	T-54	144793-000	T-55	112751-002	T-58	14744
		A-33	148104-001	U-18	146976-027	A-42	147943-001	U-23 U-54	146587-001	U-55	009781-812	U-56	144793-000	U-57	112751-002	U-60	14744
		A-33	148104-001	V-18	146976-029	A-42	147943-001	V-23 V-54	146587-001	V-55	009781-812	V-56	144793-000	V-57	112751-002	V-60	14744
A-27	111865-001	A-33	148104-001	W-21	146976-039	A-42	147943-001										
A-27	111865-001	A-33	148104-001	W-17	146976-051	A-42	147943-001										
A-27	111865-001	A-33	148104-001	a-43	146976-069	A-42	147943-001										
A-27	111865-001	A-33	148104-001	b-17	146976-090	A-42	147943-001										

Model	Sub-Class	Screw	Spool Stand Assembly	Tape Winder Assembly	Screw	Lapper Assembly	Screw	Washer	Tape Guide	Screw
B 581	061 3 -5									
	062 3									
	063 5									
	064 5									
	065 5									
	066 5									
	067 4									
	069 5									
	071 6									
	073 4	T 59	009680 612 X - 1 X - 7	181031 001 X 8 X 16	143767 002 a 26	101118 001				
	075 5	U 61	009680 612 X - 1 X - 7	181031 001 X 8 X 16	143767 002 a 26	101118 001				
	077 6	V 61	009680 612 X - 1 X - 7	181031 001 X 8 X 16	143767 002 a 26	101118 001				
	081 5									
	087 6									
	089 5			a 17 X 143767 002 a 26	101118 001 a 27 X 147373 000 a 31	009670 512 a 41	025350 332 a 34	147377 001 a 35	009670 512	
	092 6									

Model	Sub-Class	Screw		Screw		Upper Knife Presser		Upper Knife Presser Plate											
B 581	061-3 -5	F-44	107407 003																
	062-3	F-44	107407 003																
	063-5	F-44	107407-003																
	064-5	F-44	107407 003																
	065-5	F-44	107407 003																
	066-5	F-44	107407 003																
	067-4	F-44	107407 003																
	069-5	F-44	107407-003																
	071-6	F-44	107407-003																
	073-4	F-44	107407 003																
	075-5	F-44	107407 003																
	077-6	F-44	107407 003																
	081-5	F-44	107407-003																
	087-6	F-44	107407 003																
	089-5	F-44	107407 003																
	092-6	b-37	102424 003	b-38	009671 014	b-35	148343 001	b-35	148344 001										

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Parts No.	Ref. No.	Remark	Parts No.	Ref. No.	Remark	Parts No.	Ref. No.	Remark	Parts No.	Ref. No.	Remark
001401-4-06	Y - 28		009680-6-12	R - 47		017761-6-12	F - 37		101118-0-01	X - 17	
001630-4-02	G - 45		"	S - 42		"	W - 28		101572-1-01	Y - 10	
"	G - 48		"	S - 47		"	b - 24		101706-0-01	A - 63	
001670-5-12	Q - 41		"	T - 40		017771-4-12	D - 10		"	Q - 27	
"	R - 43		"	T - 45		017771-6-12	A - 45		"	Q - 28	
"	S - 43		"	T - 59		"	C - 56		"	R - 29	
"	T - 41		"	U - 42		"	F - 52		"	R - 30	
"	U - 43		"	U - 47		018061-6-22	B - 75		"	S - 29	
"	V - 43		"	U - 61		021400-1-06	Y - 27		"	S - 30	
009630-6-12	D - 1		"	V - 42		021670-2-02	B - 77		"	T - 27	
009630-8-12	E - 41		"	V - 47		021680-2-02	F - 9		"	T - 28	
009639-3-12	F - 60		"	V - 61		021760-3-03	Q - 52		"	U - 29	
"	F - 62		009680-7-12	A - 52		"	R - 54		"	U - 30	
009660-6-12	b - 9		"	A - 77		"	S - 54		"	V - 29	
009660-7-12	Q - 12		"	B - 31		"	T - 52		"	V - 30	
"	Q - 22		"	B - 35		"	U - 54		101706-0-03	D - 14	
"	R - 12		"	B - 68		"	V - 54		"	E - 28	
"	R - 23		"	C - 62		021780-3-03	Q - 57		102424-0-03	b - 37	
"	S - 12		"	E - 53		"	R - 59		102538-0-02	B - 39	
"	S - 23		"	F - 14		"	S - 59		102627-0-01	F - 54	
"	T - 12		"	F - 58		"	T - 57		102843-0-04	A - 8	
"	T - 21		009680-7-14	A - 1		"	U - 59		"	B - 46	
"	U - 12		009680-8-12	Q - 49		"	V - 59		"	B - 50	
"	U - 23		"	R - 51		025350-3-32	a - 41		104908-0-01	F - 20	
"	V - 12		"	S - 51		"	a - 42		105163-0-01	Q - 44	
"	V - 23		"	T - 49		025630-2-32	G - 44		"	R - 46	
009669-3-12	G - 5		"	U - 51		"	G - 47		"	S - 46	
009669-4-12	B - 5		"	V - 51		025680-2-32	Y - 15		"	T - 44	
"	B - 71		009681-0-12	B - 58		025770-2-32	Q - 35		"	U - 46	
"	F - 68		009681-2-12	A - 17		"	R - 37		"	V - 46	
"	G - 55		009681-4-12	F - 10		"	S - 37		105230-0-01	G - 64	
"	W - 19		"	G - 21		"	T - 35		105234-0-03	Q - 29	
009670-4-12	A - 31		009781-8-12	Q - 53		"	U - 37		"	R - 31	
"	G - 52		"	R - 55		"	V - 37		"	S - 31	
009670-5-12	C - 1		"	S - 55		028050-2-42	X - 5		"	T - 29	
"	C - 19		"	T - 53		028350-2-43	G - 51		"	U - 31	
"	C - 28		"	U - 55		031311-3-02	Y - 13		"	V - 31	
"	C - 48		"	V - 55		031451-6-03	Y - 16		105248-0-03	G - 7	
"	C - 57		013679-4-12	O - 50		034151-6-03	Z - 4		105288-0-01	L - 7	
"	F - 25		"	R - 52		047140-8-42	A - 37		"	L - 10	
"	a - 31		"	S - 52		047140-8-42	a - 38		"	M - 7	
"	a - 35		"	T - 50		048020-3-42	L - 12		"	M - 10	
009670-6-12	A - 7		"	U - 52		"	M - 12		"	N - 7	
"	A - 9		"	V - 52		"	N - 12		"	N - 10	
"	A - 40		013760-6-12	A - 74		"	P - 12		"	P - 7	
"	A - 48		"	C - 14		"	W - 4		"	P - 10	
"	A - 54		013761-4-10	B - 56		"	W - 11		"	Q - 10	
"	A - 60		014680-4-22	A - 22		"	a - 11		"	R - 10	
"	A - 67		"	C - 9		072600-0-00	B - 42		"	S - 10	
"	A - 70		"	C - 23		072600-1-00	B - 53		"	T - 10	
"	F - 47		"	C - 45		"	B - 60		"	U - 10	
"	G - 8		"	C - 47		"	B - 62		"	V - 10	
"	G - 25		"	D - 25		081002-6-70	F - 17		"	W - 8	
"	G - 34		"	G - 54		100022-0-05	F - 21		"	W - 12	
"	G - 39		"	K - 3		100032-0-03	A - 58		"	W - 6	
"	G - 57		"	M - 21		"	B - 66		"	W - 9	
"	G - 66		"	P - 22		100080-0-02	X - 3		"	a - 7	
"	G - 69		"	W - 22		100136-0-01	a - 25		"	a - 10	
009670-8-12	B - 8		"	W - 35		"	X - 15		105343-0-01	Y - 3	
"	B - 38		"	b - 18		100260-0-01	C - 32		106568-0-01	A - 55	
"	C - 24		"	b - 31		"	F - 30		106720-0-02	A - 69	
"	G - 10		017751-4-12	C - 21		100366-0-01	B - 19		107244-0-01	B - 64	
"	G - 12		"	D - 23		"	B - 20		107351-0-01	B - 74	
"	G - 38		017761-4-12	D - 20		"	B - 26		107407-0-03	A - 39	
009671-0-14	b - 38		"	E - 7		"	B - 81		"	E - 38	
009671-4-12	B - 76		"	E - 14		"	E - 22		"	E - 45	
009680-6-12	Q - 40		"	E - 25		100444-0-02	X - 2		"	F - 44	
"	Q - 45		017761-6-12	B - 24		100447-0-01	X - 7		"	F - 51	
"	R - 42		"	C - 39		101118-0-01	a - 26		107779-0-01	Y - 4	

Parts No.	Ref. No.	Remark	Parts No.	Ref. No.	Remark	Parts No.	Ref. No.	Remark	Parts No.	Ref. No.	Remark
108494-0-01	a -23		113589-0-01	A -15		140273-0-01	Q - 4		144049-0-01	C -26	
"	X -13		114255-0-02	B -15		"	R - 4		144075-0-01	F -41	
108495-0-01	a -24		114483-0-01	Y -35		"	S - 4		144103-0-02	G -17	
"	X -14		116016-0-01	Y -26		"	T - 4		"	G -29	
108809-0-01	C -36		116231-0-01	E - 9		"	U - 4		144104-0-01	G -18	
"	W-32		"	E -15		"	V - 4		144105-0-00	G -19	
"	b -28		117160-0-01	A -30		140275-0-01	Q - 5		"	G -27	
109203-0-01	A -44		117466-0-00	Y -11		"	R - 5		"	G -63	
109852-0-01	X - 4		117515-0-01	F -45		"	S - 5		"	Q -33	
109853-0-01	X - 1		117516-0-01	E -39		"	T - 5		"	R -35	
109854-0-01	X -1 ~ 5		"	E -44		"	U - 5		"	S -35	
110161-0-03	X - 6		"	F -46		"	V - 5		"	T -33	
110230-0-01	Q -30		117591-0-01	D -18		140289-0-01	G -67		"	U -35	
"	R -32		117608-0-01	B -72		140290-0-01	G -53		"	V -35	
"	S -32		118768-0-01	B -32		140313-0-01	D - 9		144106-0-02	G -20	
"	T -30		118837-0-01	Y - 9		140327-0-01	D -11		"	G -26	
"	U -32		122771-0-02	G -41		140342-0-01	Y - 2		"	Q -32	
"	V -32		"	L - 4		140759-0-00	Y -29		"	R -34	
110641-0-01	A -43		"	M - 4		140774-0-00	E -30		"	S -34	
110670-0-00	B -59		"	N - 4		"	E -54		"	T -32	
110672-0-00	B -61		"	P - 4		140992-0-01	Q - 1		"	U -34	
110673-0-00	B -63		"	W-10		"	R - 1		"	V -34	
110807-0-02	b -10		"	W- 4		"	S - 1		144108-0-01	G - 6	
110813-0-01	G -33		"	a - 4		"	T - 1		144110-0-01	G -28	
"	G -59		122991-0-01	Y - 1		"	U - 1		144124-0-01	Y - 7	
"	G -70		140041-0-01	A - 5		"	V - 1		144127-0-01	C -25	
110820-0-01	G -14		140065-0-01	E - 1		140993-0-01	Q - 2		144179-0-01	F -43	
"	G -32		140066-0-01	B -28		"	R - 2		144225-0-01	Y -34	
"	Q -36		"	C -29		"	S - 2		144458-0-01	C -10	
"	R -38		140077-0-01	A -50		"	T - 2		144764-0-01	Q -42	
"	S -38		140084-0-00	B -65		"	U - 2		"	R -44	
"	T -36		140085-0-03	B -57		"	V - 2		"	S -44	
"	U -38		140092-0-01	B -18		141183-0-00	A -65		"	T -42	
"	V -38		"	B -25		141393-0-01	F -70		"	U -44	
110832-0-01	G -15		140104-	Y -24		141528-0-01	F - 8		"	V -44	
"	G -31		140104-0-11	B -14		141542-0-01	Y -31		144778-0-01	Q -11	
"	G -60		140104-0-14	L -17		142125-0-00	Y -12		"	R -11	
111486-0-01	B -78		"	M -17		142201-0-01	K - 1		"	S -11	
111865-0-01	A -27		"	Q -20		"	M -19		"	T -11	
112297-	Y -22		"	R -20		"	P -23		"	U -11	
112297-0-11	B -13		"	S -20		142243-0-01	F -64		"	V -11	
112297-0-14	L -16		"	T -20		142244-0-01	F -61		144783-0-01	Q -21	
"	M -16		"	U -20		142245-0-01	F -59		"	R -25	
"	Q -19		"	V -20		142246-0-01	F -65		"	S -25	
"	R -19		"	W -14		142247-0-01	F -66		"	T -23	
"	S -19		"	a -45		142262-0-01	Y -20		"	U -25	
"	T -19		140104-0-16	N -17		145290-0-01	C - 3		"	V -25	
"	U -19		"	P -17		"	C - 7		144784-0-01	Q -23	
"	V -19		140104-0-21	W -21		"	C -54		"	R -24	
"	W -15		"	b - 4		142658-0-01	C -50		"	S -24	
"	a -44		140180-0-01	B -55		142669-0-01	G -42		"	T -22	
112297-0-16	N -16		140208-0-01	E -34		142674-0-00	E -31		"	U -24	
112297-0-21	W -20		"	E -57		"	E -58		"	V -24	
"	b - 3		140248-0-01	F -57		142721-0-01	Y - 6		144788-0-01	Q -34	
112299-0-01	G - 3		140270-0-01	N -13		143312-0-00	B -41		"	R -36	
112300-0-01	G - 2		"	P -13		143374-0-01	A -75		"	S -36	
112301-0-01	G - 4		"	Q - 6		143444-0-01	C -15		"	T -34	
112436-0-01	F -49		"	R - 6		143750-0-02	a -22		"	U -36	
"	Y -33		"	S - 6		"	X -16		"	V -36	
112751-0-02	Q -55		"	T - 6		143757-0-01	G - 9		144793-0-00	Q -54	
"	R -57		"	U - 6		143767-0-02	a -18~25		"	R -56	
"	S -57		"	V - 6		"	X - 9~16		"	S -56	
"	T -55		"	W -12		143976-0-01	a -20 - 21		"	T -54	
"	U -57		140272-0-01	Q - 9		"	X -11 - 12		"	U -56	
"	V -57		"	R - 9		143978-0-01	a -18 - 19		"	V -56	
112754-0-01	B -37		"	S - 9		"	X - 9 - 10		145147-0-01	L - 8	
112797-0-16	P -16		"	T - 9		143980-0-01	a -17		"	M - 8	
113431-0-02	E -37		"	U - 9		"	X - 8		"	N - 8	
"	E -46		"	V - 9		144031-0-00	C -35		"	P - 8	

Parts No.	Ref. No.	Remark	Parts No.	Ref. No.	Remark	Parts No.	Ref. No.	Remark	Parts No.	Ref. No.	Remark
145147-0-01	W-13		146483-0-01	B - 9		146634-0-01	D -24		147377-0-01	a -34	
"	W-10		146486-0-00	B -10 -		146635-0-01	D -26		147440-0-00	T -58	
145277-0-01	Y -36		146487-0-01	B -11 - 12		146644-0-00	B -29		"	U -60	
145446-0-01	G -16		146489-0-01	L -14 - 15		146649-0-01	G -13		"	V -60	
"	G -30		"	M-14 - 15		146652-0-01	G -36		147691-0-00	B -33	
"	G -61		"	R -21 - 22		146653-0-01	G -37		"	B -34	
145803-0-01	Q -24		"	U -21 - 22		146654-0-01	G -40		147893-0-01	Y -25	
"	R -26		"	W-16 - 17		146662-0-01	G -50		147919-0-01	Z - 1	
"	S -26		"	a -15 - 16		146663-0-01	G -43		147919-0-02	Z - 2	
"	T -24		146491-0-01	N -14 - 15		146700-0-01	Y - 8		147933-0-01	Q -37	
"	U -26		"	P -14 - 15		146865-0-01	L -13		"	R -39	
"	V -26		"	S -21 - 22		"	M-13		"	S -39	
145807-0-01	Q -48		"	V -21 - 22		"	W - 5		"	T -37	
"	R -50		"	W-18 - 19		"	a -12		"	U -39	
"	S -50		"	b - 1 - 2		146868-0-01	L - 6		"	V -39	
"	T -48		146498-0-01	B -67		"	M - 6		147934-0-01	C -46 - 47	
"	U -50		146503-0-01	L -18		"	N - 6		147935-0-01	K - 3 - 4	
"	V -50		"	M-18		"	P - 6		"	M-20 - 21	
145808-0-01	Q -46		"	W-20		"	W-11		"	P -21 - 22	
"	R -48		146504-0-01	N -18		"	W - 7		147943-0-01	A -42	
"	S -48		"	P -18		"	a - 6		147973-0-01	W-34 - 35	
"	T -46		146507-0-01	Q -14		146870-0-01	L - 5		"	b -30 - 31	
"	U -48		"	T -14		"	M - 5		148015-0-01	b - 6	
"	V -48		146508-0-01	R -14		"	N - 5		148016-0-01	b - 7	
145809-0-01	Q -56		"	U -14		"	P - 5		148017-0-01	b -12	
"	R -58		146509-0-01	S -14		"	W - 9		148020-0-01	b -11	
"	S -58		"	V -14		"	W - 5		148065-0-01	A -16	
"	T -56		146510-0-01	W-14		"	a - 5		148066-0-00	A -18	
"	U -58		"	b -14		146879-0-01	Q - 7		148067-0-01	A - 2	
"	V -58		146547-0-00	E -51		"	T - 7		148068-0-00	A - 3	
145811-0-01	Q -39		146549-0-01	E -52		146883-0-01	W-18		148069-0-01	A -72	
"	R -41		146567-0-01	E -43		146901-0-01	L - 3		148070-0-01	A -76	
"	S -41		146568-0-01	N -19		"	M - 3		148071-0-00	A -73	
"	T -39		"	P -19		"	N - 3		148072-0-01	A -71	
"	U -41		146569-0-01	W-15		"	P - 3		148073-0-01	A -12	
"	V -41		"	b -15		"	W - 3		148074-0-01	A - 6	
146315-0-00	A -62		146572-0-01	E -40		"	W - 2		148075-0-00	A - 4	
146421-0-00	A -14		146573-0-01	N -20		"	a - 3		148076-0-01	A -66	
146426-0-00	A -11		"	P -20		146924-0-00	A -29		148077-0-01	A -61	
146427-0-01	A -10		146574-0-01	W-16		"	a -33		148078-0-01	A -49	
"	A -68		"	b -16		146926-0-01	G -24		148082-0-01	A -57	
"	B - 2		146575-0-01	Q -17		"	G -68		148083-0-01	A -56	
"	B -12		"	R -17		146928-0-01	G -49		148084-0-01	A -23	
"	C -40		"	T -17		146929-0-01	G -35		148085-0-01	A -26	
"	D -21		"	U -17		146930-0-01	G -56		148086-0-00	B -43	
"	F - 2		"	V -17		146976-0-01	A -19		148087-0-01	A -46	
"	L -15		146576-0-01	S -17		146976-0-04	K - 5		148088-0-00	A -47	
"	M-15		146577-0-01	E -42		146976-0-09	L -19		148089-0-01	A -59	
"	N-15		146580-0-01	F -39		146976-0-12	M-23		148090-0-01	A -51	
"	P -15		146581-0-01	C -33		146976-0-13	N -21		148101-0-01	A -34 ~ 38	
"	R -22		"	F -31		146976-0-16	P -25		148103-0-01	A -41	
"	S -22		146582-0-01	F -53		146976-0-19	Q -18		148104-0-01	A -33	
"	U -22		146583-0-01	F -50		146976-0-21	R -18		148105-0-01	K - 4	
"	V -22		146584-0-01	F -55		146976-0-23	S -18		"	M-22	
"	W-16		146585-0-01	F -48		146976-0-25	T -18		"	P -24	
"	W-19		146586-0-00	F -56		146976-0-27	U -18		148111-0-00	B -54	
"	W-27		146587-0-01	Q -21 ~ 52		146976-0-29	V -18		148112-0-00	B -52	
"	a -16		"	R -23 ~ 54		146976-0-39	W-21		148113-0-01	B -51	
"	b - 2		"	S -23 ~ 54		146976-0-51	W-17		148120-0-00	B -27	
"	b -23		"	T -21 ~ 52		146976-0-69	a -43		148121-0-00	B -17	
146440-0-01	A -36		"	U -23 ~ 54		146976-0-90	b -17		148123-0-01	B -16	
"	a -39		"	V -23 ~ 54		147148-0-01	G -58		148124-0-01	B -73	
146441-0-00	A -38		146592-0-01	Q -51		147149-0-01	G -62		148125-0-01	B -70	
"	a -37		"	R -53		147272-0-01	G -46		148126-0-01	B -69	
146442-0-01	A -35		"	S -53		147344-0-01	G - 1		148128-0-01	F -11	
"	a -40		"	T -51		147367-0-01	a -32 - 33		148129-0-01	F -12	
146444-0-01	A -28 - 29		"	U -53		147369-0-01	a -14		148130-0-01	F -13	
146446-0-01	A -32		"	V -53		147371-0-01	a - 8		148131-0-01	F -18 - 19	
146472-0-01	B -40		146617-0-01	C -22		147373-0-00	a -27 ~ 30		148133-0-01	F -19	

Parts No.	Ref. No.	Remark	Parts No.	Ref. No.	Remark	Parts No.	Ref. No.	Remark	Parts No.	Ref. No.	Remark
148134-0-01	F -16		148208-0-01	C -34		148783-0-01	b -27				
148135-0-01	F -15		148209-0-01	C -37~45		148813-0-01	F -24				
148136-0-01	F -29		148217-0-01	W-22~31		148838-0-01	E -12				
148137-0-01	F -27		"	b -18~27		148847-0-01	E -11				
148138-0-01	F -28		148224-0-01	C - 2		"	E -13				
148139-0-01	F -26		148225-0-01	B -45		148851-0-01	W-32				
148143-0-01	F - 7		148226-0-01	C -11		"	b -32				
148144-0-01	F - 4		148227-0-00	C -12		148857-0-01	C - 5				
"	F - 6		148228-0-00	C -20		"	C -52				
148145-0-01	F - 5		148230-0-01	B - 3~ 8		"	D - 5				
148146-0-01	F - 3		148232-0-01	C -16		"	E -26				
148147-0-01	F - 1		148233-0-01	D - 4		"	B -48				
148148-0-01	F -69		148234-0-00	D - 3		148858-0-01	B -20~23				
148150-0-01	L - 1~13		148235-0-01	D - 2		"	B -47				
"	M- 1~13		148236-0-01	D - 6		"	B -79~82				
148152-0-01	L - 2		148237-0-00	D - 7		148859-0-00	A -78				
"	M - 2		148239-0-01	D -15		149005-0-01	Y -19				
"	N - 2		148240-0-01	D -17		150162-0-01	Z - 8				
"	P - 2		148241-0-01	D -19		180323-0-01	C -13 - 14				
"	W - 2		148242-0-01	C -17		181031-0-01	X - 1~ 7				
"	W- 3		148243-0-01	D -16		181628-0-01	C -51 - 52				
"	a - 2		148244-0-00	D -12		181629-0-01	B - 4 - 5				
148153-0-01	N - 1~13		148245-0-00	D -22		181630-0-01	B - 3				
"	P - 1~13		148247-0-01	B -36		"	B - 6 - 7				
"	W- 1~13		148248-0-00	E - 2		181631-0-01	C -50				
148155-0-01	F -59~67		148249-0-00	C -59		"	C -53 - 54				
148158-0-01	Q - 1~13		"	W-33		"	D -10				
148160-0-01	R - 1~13		"	b -29		181995-0-01	D -13 - 14				
148161-0-01	S - 1~13		148250-0-01	C -58		"	E -28 - 29				
148162-0-01	W - 1~13		148251-0-01	C -27		181995-0-02	Q -26 - 27				
148163-0-01	E -21~24		148252-0-01	C -18		"	R -28 - 29				
148166-0-01	E -23		148253-0-01	G -22		"	S -28 - 29				
148167-0-01	E - 3		148254-0-01	G -23		"	T -26 - 27				
148168-0-00	E - 4		148255-0-01	G -11		"	U -28 - 29				
148170-0-01	E -49 - 50		148256-0-01	G -65		"	V -28 - 29				
148173-0-00	E -48		148259-0-01	Y -32		181969-0-03	A -63 - 64				
148174-0-00	E -36		148260-0-01	b - 5~13		025060-1-32	D-27				
148175-0-00	E -47		148262-0-01	E -48~50							
148176-0-01	E -27		148263-0-01	a - 1~13							
148177-0-01	E -17		148264-0-01	a -36~40							
148178-0-01	E -16		148269-0-01	B - 1~ 8							
148179-0-01	E -10		148281-0-01	F-40							
148180-0-01	E - 8		148290-0-01	Z - 3							
148181-0-01	E - 5		148292-0-01	Z - 5							
"	E -19		148304-0-01	A -53							
148182-0-01	E -18		148315-0-01	B -30							
148183-0-01	E - 6		148342-0-01	b -34							
148184-0-00	E -32		148343-0-01	b -35							
148185-0-01	E -33		148344-0-01	b -36							
148186-0-01	E -35		148345-0-01	b -33							
"	E -56		148346-0-01	F -22~25							
148189-0-01	Q -15		148373-0-00	B -44							
"	R -15		148403-0-00	E -55							
"	S -15		148404-0-01	E -59							
"	T -15		148430-0-01	Y -14							
"	U -15		148431-0-01	Y -18							
"	V -15		148432-0-01	Y -17							
148190-0-01	Q -16		148747-0-01	T - 1~13							
"	R -16		148748-0-01	U - 1~13							
148191-0-01	S -16		148749-0-01	V - 1~13							
148196-0-00	F -38		148750-0-01	T -16							
148197-0-00	F -32		148751-0-01	U -16							
148198-0-01	F -42		148752-0-01	V -16							
"	Y -30		148769-0-00	E -20							
148200-0-01	C -50~55		148782-0-01	C -60							
148204-0-01	C -49		"	D -29							
148205-0-01	B -49		148783-0-01	C -61							
148206-0-01	C -30		"	D -28							
148207-0-00	C -31		"	W-31							